

1. Corvo_24 + 1	181	213	303	273	303	352	378	440	460	549	575	640	642	691	728	732	745	808	848	901	937	958	973
2. StrongArm_23 + 1	181	213	303	273	303	352	378	440	460	549	575	640	642	691	728	732	745	808	848	901	937	958	973
3. HermioneGrange_24 + 1	181	213	303	273	303	352	378	440	460	549	575	640	642	691	728	732	745	808	848	901	937	958	973
4. Eyeball_24	181	213	303	273	303	352	378	440	460	549	575	640	642	691	728	732	745	808	848	901	937	958	973
5. QrKmcCrisis_24	181	213	303	273	303	352	378	440	460	549	575	640	642	691	728	732	745	808	848	901	937	958	973
6. Graduation_26	181	213	303	273	303	352	378	440	460	549	575	640	642	691	728	732	745	808	848	901	937	958	973
7. Aldrich_25 + 6	181	213	303	273	303	352	378	440	460	549	575	640	642	691	728	732	745	808	848	901	937	958	973
8. Naira_25 + 2	181	213	303	273	303	352	378	440	460	549	575	640	642	691	728	732	745	808	848	901	937	958	973
9. Nfonho_24	181	213	303	273	303	352	378	440	460	549	575	640	642	691	728	732	745	808	848	901	937	958	973
10. Blessier_24	181	213	303	273	303	352	378	440	460	549	575	640	642	691	728	732	745	808	848	901	937	958	973
11. SwissCheese_24	181	213	303	273	303	352	378	440	460	549	575	640	642	691	728	732	745	808	848	901	937	958	973
12. Pelly_25 + 2	181	213	303	273	303	352	378	440	460	549	575	640	642	691	728	732	745	808	848	901	937	958	973
13. KSSJEB_24 + 4	181	213	303	273	303	352	378	440	460	549	575	640	642	691	728	732	745	808	848	901	937	958	973
14. Forsytheast_23 + 1	181	213	303	273	303	352	378	440	460	549	575	640	642	691	728	732	745	808	848	901	937	958	973
15. Magnito_23 + 1	181	213	303	273	303	352	378	440	460	549	575	640	642	691	728	732	745	808	848	901	937	958	973
16. SarFire_24 + 1	181	213	303	273	303	352	378	440	460	549	575	640	642	691	728	732	745	808	848	901	937	958	973
17. Duicic_23	181	213	303	273	303	352	378	440	460	549	575	640	642	691	728	732	745	808	848	901	937	958	973
18. B003_23 + 8	181	213	303	273	303	352	378	440	460	549	575	640	642	691	728	732	745	808	848	901	937	958	973
19. Conceptm_25	181	213	303	273	303	352	378	440	460	549	575	640	642	691	728	732	745	808	848	901	937	958	973
20. Atkinbua_25	181	213	303	273	303	352	378	440	460	549	575	640	642	691	728	732	745	808	848	901	937	958	973
21. Fushigi_25	181	213	303	273	303	352	378	440	460	549	575	640	642	691	728	732	745	808	848	901	937	958	973
22. Lamina13_24	181	213	303	273	303	352	378	440	460	549	575	640	642	691	728	732	745	808	848	901	937	958	973
23. Oogway_23	181	213	303	273	303	352	378	440	460	549	575	640	642	691	728	732	745	808	848	901	937	958	973
24. Blackflame_24	181	213	303	273	303	352	378	440	460	549	575	640	642	691	728	732	745	808	848	901	937	958	973
25. Gandalf20_25	181	213	303	273	303	352	378	440	460	549	575	640	642	691	728	732	745	808	848	901	937	958	973
26. Onno789_24 + 6	181	213	303	273	303	352	378	440	460	549	575	640	642	691	728	732	745	808	848	901	937	958	973
27. Bruns_23	181	213	303	273	303	352	378	440	460	549	575	640	642	691	728	732	745	808	848	901	937	958	973
28. Solon_24 + 9	181	213	303	273	303	352	378	440	460	549	575	640	642	691	728	732	745	808	848	901	937	958	973
29. Iqorna_23 + 1	181	213	303	273	303	352	378	440	460	549	575	640	642	691	728	732	745	808	848	901	937	958	973
30. Peterson_27	181	213	303	273	303	352	378	440	460	549	575	640	642	691	728	732	745	808	848	901	937	958	973
31. Gwendoluna_26 + 3	181	213	303	273	303	352	378	440	460	549	575	640	642	691	728	732	745	808	848	901	937	958	973
32. Wilkins_24 + 1	181	213	303	273	303	352	378	440	460	549	575	640	642	691	728	732	745	808	848	901	937	958	973
33. Licorice_26	181	213	303	273	303	352	378	440	460	549	575	640	642	691	728	732	745	808	848	901	937	958	973
34. McSinger_25	181	213	303	273	303	352	378	440	460	549	575	640	642	691	728	732	745	808	848	901	937	958	973
35. MrGordo_24 + 2	181	213	303	273	303	352	378	440	460	549	575	640	642	691	728	732	745	808	848	901	937	958	973
36. Smart_25 + 2	181	213	303	273	303	352	378	440	460	549	575	640	642	691	728	732	745	808	848	901	937	958	973
37. Levia_24 + 2	181	213	303	273	303	352	378	440	460	549	575	640	642	691	728	732	745	808	848	901	937	958	973
38. Fascinus_23	181	213	303	273	303	352	378	440	460	549	575	640	642	691	728	732	745	808	848	901	937	958	973
39. Wheeler_24	181	213	303	273	303	352	378	440	460	549	575	640	642	691	728	732	745	808	848	901	937	958	973
40. BarrowUpn_23	181	213	303	273	303	352	378	440	460	549	575	640	642	691	728	732	745	808	848	901	937	958	973
41. Bigfoot_23	181	213	303	273	303	352	378	440	460	549	575	640	642	691	728	732	745	808	848	901	937	958	973
42. CactusRose_23	181	213	303	273	303	352	378	440	460	549	575	640	642	691	728	732	745	808	848	901	937	958	973
43. SkipPole_26	181	213	303	273	303	352	378	440	460	549	575	640	642	691	728	732	745	808	848	901	937	958	973
44. Marcell_24	181	213	303	273	303	352	378	440	460	549	575	640	642	691	728	732	745	808	848	901	937	958	973
45. Peep2012_26	181	213	303	273	303	352	378	440	460	549	575	640	642	691	728	732	745	808	848	901	937	958	973
46. Klingrew_22	181	213	303	273	303	352	378	440	460	549	575	640	642	691	728	732	745	808	848	901	937	958	973
47. Target_26	181	213	303	273	303	352	378	440	460	549	575	640	642	691	728	732	745	808	848	901	937	958	973
48. SpikeB1_26 + 1	181	213	303	273	303	352	378	440	460	549	575	640	642	691	728	732	745	808	848	901	937	958	973
49. PinkPlastic_23	181	213	303	273	303	352	378	440	460	549	575	640	642	691	728	732	745	808	848	901	937	958	973
50. Briton15_26 + 2	181	213	303	273	303	352	378	440	460	549	575	640	642	691	728	732	745	808	848	901	937	958	973

[illegible]

151: Rowdy_29 + 3		161		228	248	269	308	323	336	370		414		467		547		594	603	606	732	753	765	808	826	836	948	986
152: Eaglepride_26		161		219	248	269	308	323	336	370		414		467		541	571	594	603	606	732	753	765	808	826	836	948	986
153: PeaceMeal_24 + 1		161		219	248	269	308	323	336	370		414		467		541	571	594	603	606	732	753	765	808	826	836	948	986
154: Edison31_25 + 1		161		219	248	269	308	323	336	370		414		467		541	571	594	603	606	732	753	765	808	826	836	948	986
155: KittenMittens_24	102	161		219	248	269	308	323	336	370		414		467		541	571	594	603	606	732	753	765	808	826	836	948	986
156: OKCentral2016_25		161		219	248	269	308	323	336	370		414		467		541	571	594	603	606	732	753	765	808	826	836	948	986
157: Poompna_24		161		219	248	269	308	323	336	370		414		467		541	571	594	603	606	732	753	765	808	826	836	948	986
158: WalterMcMickey_25 + 1		161		219	248	269	308	323	336	370		414		467		541	571	594	603	606	732	753	765	808	826	836	948	986
159: Mike_23	102	161		219	248	269	308	323	336	370		414		467		541	571	594	603	606	732	753	765	808	826	836	948	986
160: Goose_25		161		219	248	269	308	323	336	370		414		467		541	571	594	603	606	732	753	765	808	826	836	948	986
161: Severus_24		161		219	248	269	308	323	336	370		414		467		541	571	594	603	606	732	753	765	808	826	836	948	986
162: Rebecca_26	102	161		219	248	269	308	323	336	370		414		467		541	571	594	603	606	732	753	765	808	826	836	948	986
163: Chupacabra_25		161		219	248	269	308	323	336	370		414		467		541	571	594	603	606	732	753	765	808	826	836	948	986
164: Petersenlast_25 + 1		161		219	248	269	308	323	336	370		414		467		541	571	594	603	606	732	753	765	808	826	836	948	986
165: Aneem_26		161		219	248	269	308	323	336	370		414		467		541	571	594	603	606	732	753	765	808	826	836	948	986
166: Flaverint_26 + 13		161		219	248	269	308	323	336	370		414		467		541	571	594	603	606	732	753	765	808	826	836	948	986
167: Bachome_26 + 1		161		219	248	269	308	323	336	370		414		467		541	571	594	603	606	732	753	765	808	826	836	948	986
168: Timothy_26 + 1		161		219	248	269	308	323	336	370		414		467		541	571	594	603	606	732	753	765	808	826	836	948	986
169: TinyTimmy_26		161		219	248	269	308	323	336	370		414		467		541	571	594	603	606	732	753	765	808	826	836	948	986
170: Saskia_25		161		219	248	269	308	323	336	370		414		467		541	571	594	603	606	732	753	765	808	826	836	948	986
171: Bud_26 + 3		161		219	248	269	308	323	336	370		414		467		541	571	594	603	606	732	753	765	808	826	836	948	986
172: Joseito_26	88	136	153	189	210	268	312	358	400	475	538	589	603	606	706	743	765	808	826	836	919	955	970					
173: Reluge_29	88	136	153	189	210	268	312	358	400	475	538	589	603	606	706	743	765	808	826	836	919	955	970					
174: Pharaoh_26	88	136	153	189	210	268	312	358	400	475	538	589	603	606	706	743	765	808	826	836	919	955	970					
175: DartinRyder_24	88	136	153	189	210	268	312	358	400	475	538	589	603	606	706	743	765	808	826	836	919	955	970					
176: Steamy_27	88	136	153	189	210	268	312	358	400	475	538	589	603	606	706	743	765	808	826	836	919	955	970					
177: Zanne_28	88	136	153	189	210	268	312	358	400	475	538	589	603	606	706	743	765	808	826	836	919	955	970					
178: Phil_21	106	131	163	212	291	319	341	358	400	475	538	589	603	606	706	743	765	808	826	836	919	955	970					
179: Jeeves_25		161		219	248	269	308	323	336	370		414		467		541	571	594	603	606	732	753	765	808	826	836	948	986
180: Gail_25		161		219	248	269	308	323	336	370		414		467		541	571	594	603	606	732	753	765	808	826	836	948	986
181: SororFago_25		161		219	248	269	308	323	336	370		414		467		541	571	594	603	606	732	753	765	808	826	836	948	986
182: Luchador_27		161		219	248	269	308	323	336	370		414		467		541	571	594	603	606	732	753	765	808	826	836	948	986
183: Sunnee_25		161		219	248	269	308	323	336	370		414		467		541	571	594	603	606	732	753	765	808	826	836	948	986
184: Anon_26		161		219	248	269	308	323	336	370		414		467		541	571	594	603	606	732	753	765	808	826	836	948	986
185: Epsocamiso_28 + 13		161		219	248	269	308	323	336	370		414		467		541	571	594	603	606	732	753	765	808	826	836	948	986
186: DekHockey33_28 + 1		161		219	248	269	308	323	336	370		414		467		541	571	594	603	606	732	753	765	808	826	836	948	986
187: Nedarya_27		161		219	248	269	308	323	336	370		414		467		541	571	594	603	606	732	753	765	808	826	836	948	986
188: Warrior24_28		161		219	248	269	308	323	336	370		414		467		541	571	594	603	606	732	753	765	808	826	836	948	986
189: Battleship_29 + 1		161		219	248	269	308	323	336	370		414		467		541	571	594	603	606	732	753	765	808	826	836	948	986
190: Elite_26	36	88	101	144	175	200	240	268	312	358	400	475	538	589	603	606	706	743	765	808	826	836	919	955	970			
191: LogiBear_28		161		219	248	269	308	323	336	370		414		467		541	571	594	603	606	732	753	765	808	826	836	948	986
192: Nebulous_28	88	136	153	189	210	268	312	358	400	475	538	589	603	606	706	743	765	808	826	836	919	955	970					
193: PainterBoy_27	88	136	153	189	210	268	312	358	400	475	538	589	603	606	706	743	765	808	826	836	919	955	970					
194: EagleEye_28	88	136	153	189	210	268	312	358	400	475	538	589	603	606	706	743	765	808	826	836	919	955	970					
195: Lucybel_27	128	163	195	242	291	319	341	358	400	475	538	589	603	606	706	743	765	808	826	836	919	955	970					
196: 40AC_29	128	163	195	242	291	319	341	358	400	475	538	589	603	606	706	743	765	808	826	836	919	955	970					
197: MyraDee_36	89	174	220	243	267	312	358	400	475	538	589	603	606	706	743	765	808	826	836	919	955	970						
198: Kimona_22	120	206	243	267	312	358	400	475	538	589	603	606	706	743	765	808	826	836	919	955	970							
199: SemperH_28 + 5	120	206	243	267	312	358	400	475	538	589	603	606	706	743	765	808	826	836	919	955	970							
200: Trooper_26	120	206	243	267	312	358	400	475	538	589	603	606	706	743	765	808	826	836	919	955	970							

[illegible]

251: CRB1_26	120	175	205	226	330	331	353	355	425	453	491	505	509	585	586	604	606	642	712	713	714	827	884	935	949		
252: Tixie_29	120	175	205	226	330	331	353	355	425	453	491	505	509	585	586	604	606	642	712	713	714	827	884	935	949		
253: SnapTap_26	120	175	205	226	330	331	353	355	425	453	491	505	509	585	586	604	606	642	712	713	714	827	884	935	949		
254: Agape74_28 + 1	120	175	205	226	330	331	353	355	425	453	491	505	509	585	586	604	606	642	712	713	714	827	884	935	949		
255: JoshKayV_28	120	175	205	226	330	331	353	355	425	453	491	505	509	585	586	604	606	642	712	713	714	827	884	935	949		
256: DudeLittle_26	120	175	205	226	330	331	353	355	425	453	491	505	509	585	586	604	606	642	712	713	714	827	884	935	949		
257: Miko_29	120	175	205	226	330	331	353	355	425	453	491	505	509	585	586	604	606	642	712	713	714	827	884	935	949		
258: Caraxes_25	101	175	191	216	235	341	355	355	425	453	491	505	509	585	586	604	606	642	712	713	714	827	884	935	949		
259: Prudy_28	120	175	191	216	235	341	355	355	425	453	491	505	509	585	586	604	606	642	712	713	714	827	884	935	949		
260: Drake55_28	120	175	191	216	235	341	355	355	425	453	491	505	509	585	586	604	606	642	712	713	714	827	884	935	949		
261: NaStaAile_26	120	175	191	216	235	341	355	355	425	453	491	505	509	585	586	604	606	642	712	713	714	827	884	935	949		
262: DeerPark1S_27	120	175	191	216	235	341	355	355	425	453	491	505	509	585	586	604	606	642	712	713	714	827	884	935	949		
263: RedRock_29	120	175	205	226	330	331	353	355	425	453	491	505	509	585	586	604	606	642	712	713	714	827	884	935	949		
264: Fameo_26 + 1	120	175	205	226	330	331	353	355	425	453	491	505	509	585	586	604	606	642	712	713	714	827	884	935	949		
265: Malec_24	40	89	80	101	191	216	235	341	353	355	425	453	491	505	509	585	586	604	606	642	712	713	714	827	884	935	949
266: Acolyte_26	120	175	205	226	330	331	353	355	425	453	491	505	509	585	586	604	606	642	712	713	714	827	884	935	949		
267: 2UES_26	120	175	205	226	330	331	353	355	425	453	491	505	509	585	586	604	606	642	712	713	714	827	884	935	949		
268: Rachaiy_29	120	175	205	226	330	331	353	355	425	453	491	505	509	585	586	604	606	642	712	713	714	827	884	935	949		
269: LOKK_29	120	175	205	226	330	331	353	355	425	453	491	505	509	585	586	604	606	642	712	713	714	827	884	935	949		
270: Deloris_27	120	175	205	226	330	331	353	355	425	453	491	505	509	585	586	604	606	642	712	713	714	827	884	935	949		
271: Leviathan_28	120	175	205	226	330	331	353	355	425	453	491	505	509	585	586	604	606	642	712	713	714	827	884	935	949		
272: Tristan_27	120	175	205	226	330	331	353	355	425	453	491	505	509	585	586	604	606	642	712	713	714	827	884	935	949		
273: LITurb_28	120	175	205	226	330	331	353	355	425	453	491	505	509	585	586	604	606	642	712	713	714	827	884	935	949		
274: LadyBird_26	120	175	205	226	330	331	353	355	425	453	491	505	509	585	586	604	606	642	712	713	714	827	884	935	949		
275: BabyBack_28	120	175	205	226	330	331	353	355	425	453	491	505	509	585	586	604	606	642	712	713	714	827	884	935	949		
276: Bactobuster_27	120	175	205	226	330	331	353	355	425	453	491	505	509	585	586	604	606	642	712	713	714	827	884	935	949		
277: Jerm_28	120	175	205	226	330	331	353	355	425	453	491	505	509	585	586	604	606	642	712	713	714	827	884	935	949		
278: BiancaM92_28	120	175	205	226	330	331	353	355	425	453	491	505	509	585	586	604	606	642	712	713	714	827	884	935	949		
279: GaugeLDP_28	120	175	205	226	330	331	353	355	425	453	491	505	509	585	586	604	606	642	712	713	714	827	884	935	949		
280: BengiVuitton_27	120	175	205	226	330	331	353	355	425	453	491	505	509	585	586	604	606	642	712	713	714	827	884	935	949		
281: Jaan_29	120	175	205	226	330	331	353	355	425	453	491	505	509	585	586	604	606	642	712	713	714	827	884	935	949		
282: HarryHoudini_28	120	175	205	226	330	331	353	355	425	453	491	505	509	585	586	604	606	642	712	713	714	827	884	935	949		
283: Kaipine_29	120	175	205	226	330	331	353	355	425	453	491	505	509	585	586	604	606	642	712	713	714	827	884	935	949		
284: Journey13_24	120	175	205	226	330	331	353	355	425	453	491	505	509	585	586	604	606	642	712	713	714	827	884	935	949		
285: Centaur_28	120	175	205	226	330	331	353	355	425	453	491	505	509	585	586	604	606	642	712	713	714	827	884	935	949		
286: Landor_27	120	175	205	226	330	331	353	355	425	453	491	505	509	585	586	604	606	642	712	713	714	827	884	935	949		
287: Turbido_28	120	175	205	226	330	331	353	355	425	453	491	505	509	585	586	604	606	642	712	713	714	827	884	935	949		
288: Changeling_28	120	175	205	226	330	331	353	355	425	453	491	505	509	585	586	604	606	642	712	713	714	827	884	935	949		
289: StarStuff_29	120	175	205	226	330	331	353	355	425	453	491	505	509	585	586	604	606	642	712	713	714	827	884	935	949		
290: Pomar16_29	120	175	205	226	330	331	353	355	425	453	491	505	509	585	586	604	606	642	712	713	714	827	884	935	949		
291: RefaiJump_28	120	175	205	226	330	331	353	355	425	453	491	505	509	585	586	604	606	642	712	713	714	827	884	935	949		
292: Power_26	89	175	205	226	330	331	353	355	425	453	491	505	509	585	586	604	606	642	712	713	714	827	884	935	949		
293: ArcherNM_28	120	175	205	226	330	331	353	355	425	453	491	505	509	585	586	604	606	642	712	713	714	827	884	935	949		
294: Smeagan_28	120	175	205	226	330	331	353	355	425	453	491	505	509	585	586	604	606	642	712	713	714	827	884	935	949		
295: EvilCaius_28	66	69	111	154	201	222	232	330	331	353	355	411	484	501	553	581	603	656	712	713	714	827	884	935	949		
296: Antinob_28	66	69	111	154	201	222	232	330	331	353	355	411	484	501	553	581	603	656	712	713	714	827	884	935	949		
297: FatCaius_24	158	223	232	330	331	353	355	405	483	485	501	553	581	603	656	712	713	714	827	884	935	949	980	980	980		
298: Kinmap_26	120	175	205	226	330	331	353	355	425	453	491	505	509	585	586	604	606	642	712	713	714	827	884	935	949		
299: ChargerPower_26	120	175	205	226	330	331	353	355	425	453	491	505	509	585	586	604	606	642	712	713	714	827	884	935	949		
300: Texage_25 + 9	120	175	205	226	330	331	353	355	425	453	491	505	509	585	586	604	606	642	712	713	714	827	884	935	949		

	295	57	88	113	141	174	228	243	260	285	321	343	388	426	443	456	501	528	570	608	646	702	743	763	802	836	871	914	936	950	980
501: LBerry_25	295	57	88	113	141	174	228	243	260	285	321	343	388	426	443	456	501	528	570	608	646	702	743	763	802	836	871	914	936	950	980
502: Sabaton_25 + 3	295	57	88	113	141	174	228	243	260	285	321	343	388	426	443	456	501	528	570	608	646	702	743	763	802	836	871	914	936	950	980
503: RockStar_25 + 5	295	57	88	113	141	174	228	243	260	285	321	343	388	426	443	456	501	528	570	608	646	702	743	763	802	836	871	914	936	950	980
504: Proxy_25	295	57	88	113	141	174	228	243	260	285	321	343	388	426	443	456	501	528	570	608	646	702	743	763	802	836	871	914	936	950	980
505: PmArmy_25 + 13	295	57	88	113	141	174	228	243	260	285	321	343	388	426	443	456	501	528	570	608	646	702	743	763	802	836	871	914	936	950	980
506: Fred313_25 + 3	295	57	88	113	141	174	228	243	260	285	321	343	388	426	443	456	501	528	570	608	646	702	743	763	802	836	871	914	936	950	980
507: Margo_25	295	57	88	113	141	174	228	243	260	285	321	343	388	426	443	456	501	528	570	608	646	702	743	763	802	836	871	914	936	950	980
508: J00u08_25	295	57	88	113	141	174	228	243	260	285	321	343	388	426	443	456	501	528	570	608	646	702	743	763	802	836	871	914	936	950	980
509: AugsMaggon_25	295	57	88	113	141	174	228	243	260	285	321	343	388	426	443	456	501	528	570	608	646	702	743	763	802	836	871	914	936	950	980
510: ACHshn_25	295	57	88	113	141	174	228	243	260	285	321	343	388	426	443	456	501	528	570	608	646	702	743	763	802	836	871	914	936	950	980
511: JeppNR_25	295	57	88	113	141	174	228	243	260	285	321	343	388	426	443	456	501	528	570	608	646	702	743	763	802	836	871	914	936	950	980
512: Ome_27	295	57	88	113	141	174	228	243	260	285	321	343	388	426	443	456	501	528	570	608	646	702	743	763	802	836	871	914	936	950	980
513: BlueBird_25 + 8	295	57	88	113	141	174	228	243	260	285	321	343	388	426	443	456	501	528	570	608	646	702	743	763	802	836	871	914	936	950	980
514: Phantastic_25	295	57	88	113	141	174	228	243	260	285	321	343	388	426	443	456	501	528	570	608	646	702	743	763	802	836	871	914	936	950	980
515: Chiqui_24	295	57	88	113	141	174	228	243	260	285	321	343	388	426	443	456	501	528	570	608	646	702	743	763	802	836	871	914	936	950	980
516: Roimos_25	295	57	88	113	141	174	228	243	260	285	321	343	388	426	443	456	501	528	570	608	646	702	743	763	802	836	871	914	936	950	980
517: Zarala_25	295	57	88	113	141	174	228	243	260	285	321	343	388	426	443	456	501	528	570	608	646	702	743	763	802	836	871	914	936	950	980
518: Marchesa_25 + 1	295	57	88	113	141	174	228	243	260	285	321	343	388	426	443	456	501	528	570	608	646	702	743	763	802	836	871	914	936	950	980
519: Scout_25	295	57	88	113	141	174	228	243	260	285	321	343	388	426	443	456	501	528	570	608	646	702	743	763	802	836	871	914	936	950	980
520: BabyRay_25	295	57	88	113	141	174	228	243	260	285	321	343	388	426	443	456	501	528	570	608	646	702	743	763	802	836	871	914	936	950	980
521: MAS_25	295	57	88	113	141	174	228	243	260	285	321	343	388	426	443	456	501	528	570	608	646	702	743	763	802	836	871	914	936	950	980
522: Zelzy_26	295	57	88	113	141	174	228	243	260	285	321	343	388	426	443	456	501	528	570	608	646	702	743	763	802	836	871	914	936	950	980
523: Aglet_27	295	57	88	113	141	174	228	243	260	285	321	343	388	426	443	456	501	528	570	608	646	702	743	763	802	836	871	914	936	950	980
524: UianP_25	295	57	88	113	141	174	228	243	260	285	321	343	388	426	443	456	501	528	570	608	646	702	743	763	802	836	871	914	936	950	980
525: Rimmer_25	295	57	88	113	141	174	228	243	260	285	321	343	388	426	443	456	501	528	570	608	646	702	743	763	802	836	871	914	936	950	980
526: PmshRP_25	295	57	88	113	141	174	228	243	260	285	321	343	388	426	443	456	501	528	570	608	646	702	743	763	802	836	871	914	936	950	980
527: Snickers_25	295	57	88	113	141	174	228	243	260	285	321	343	388	426	443	456	501	528	570	608	646	702	743	763	802	836	871	914	936	950	980
528: Grum1_25	295	57	88	113	141	174	228	243	260	285	321	343	388	426	443	456	501	528	570	608	646	702	743	763	802	836	871	914	936	950	980
529: P28Green_25	295	57	88	113	141	174	228	243	260	285	321	343	388	426	443	456	501	528	570	608	646	702	743	763	802	836	871	914	936	950	980
530: Gm_27	295	57	88	113	141	174	228	243	260	285	321	343	388	426	443	456	501	528	570	608	646	702	743	763	802	836	871	914	936	950	980
531: Mundrea_25	295	57	88	113	141	174	228	243	260	285	321	343	388	426	443	456	501	528	570	608	646	702	743	763	802	836	871	914	936	950	980
532: Aibert07_26 + 14	295	57	88	113	141	174	228	243	260	285	321	343	388	426	443	456	501	528	570	608	646	702	743	763	802	836	871	914	936	950	980
533: Camperdown1_24	295	57	88	113	141	174	228	243	260	285	321	343	388	426	443	456	501	528	570	608	646	702	743	763	802	836	871	914	936	950	980
534: Tina-eyge_25	295	57	88	113	141	174	228	243	260	285	321	343	388	426	443	456	501	528	570	608	646	702	743	763	802	836	871	914	936	950	980
535: JetBlade_25 + 6	295	57	88	113	141	174	228	243	260	285	321	343	388	426	443	456	501	528	570	608	646	702	743	763	802	836	871	914	936	950	980
536: LHTSCC_26 + 1	295	57	88	113	141	174	228	243	260	285	321	343	388	426	443	456	501	528	570	608	646	702	743	763	802	836	871	914	936	950	980
537: LeoAvram_25	295	57	88	113	141	174	228	243	260	285	321	343	388	426	443	456	501	528	570	608	646	702	743	763	802	836	871	914	936	950	980
538: Horean_25 + 15	295	57	88	113	141	174	228	243	260	285	321	343	388	426	443	456	501	528	570	608	646	702	743	763	802	836	871	914	936	950	980
539: Pmghter1804_25	295	57	88	113	141	174	228	243	260	285	321	343	388	426	443	456	501	528	570	608	646	702	743	763	802	836	871	914	936	950	980
540: Nemo27_25 + 3	295	57	88	113	141	174	228	243	260	285	321	343	388	426	443	456	501	528	570	608	646	702	743	763	802	836	871	914	936	950	980
541: iCleared_25	295	57	88	113	141	174	228	243	260	285	321	343	388	426	443	456	501	528	570	608	646	702	743	763	802	836	871	914	936	950	980
542: Dnanush_25	295	57	88	113	141	174	228	243	260	285	321	343	388	426	443	456	501	528	570	608	646	702	743	763	802	836	871	914	936	950	980
543: LittleB_25	295	57	88	113	141	174	228	243	260	285	321	343	388	426	443	456	501	528	570	608	646	702	743	763	802	836	871	914	936	950	980
544: Cerulean_26 + 3	295	57	88	113	141	174	228	243	260	285	321	343	388	426	443	456	501	528	570	608	646	702	743	763	802	836	871	914	936	950	980
545: LittleGuy_25	295	57	88	113	141	174	228	243	260	285	321	343	388	426	443	456	501	528	570	608	646	702	743	763	802	836	871	914	936	950	980
546: Badger_25	295	57	88	113	141	174	228	243	260	285	321	343	388	426	443	456	501	528	570	608											

551: Bumblebee11_25 + 2	165	240	289	304	356	390	405	500	533	556	610	688	705	749	785	888	889	913	931	946	980	990								
552: Kingmustik0402_25 + 2	165	240	289	304	356	390	405	500	533	556	610	688	705	749	785	888	889	913	931	946	980	990								
553: Medusa_25 + 4	165	240	289	304	356	390	405	500	533	556	610	688	705	749	785	888	889	913	931	946	980	990								
554: Kampy_25 + 3	165	240	289	304	356	390	405	500	533	556	610	688	705	749	785	888	889	913	931	946	980	990								
555: Koan_25	165	240	289	304	356	390	405	500	533	556	610	688	705	749	785	888	889	913	931	946	980	990								
556: Happiness_25	165	240	289	304	356	390	405	500	533	556	610	688	705	749	785	888	889	913	931	946	980	990								
557: Eros_25	165	240	289	304	356	390	405	500	533	556	610	688	705	749	785	888	889	913	931	946	980	990								
558: YOSam321_25	165	240	289	304	356	390	405	471	500	533	556	610	688	705	749	785	888	889	913	931	946	980								
559: Burger_24	165	240	289	304	356	390	412	471	500	533	556	610	688	705	749	785	888	889	913	931	946	980								
560: Stasia_26	165	240	289	304	356	390	405	471	500	533	556	610	688	705	749	785	888	889	913	931	946	980								
561: Wilbur_25	165	240	289	304	356	390	412	471	500	533	556	610	688	705	749	785	888	889	913	931	946	980								
562: Backyardigan_25 + 4	165	240	289	304	356	390	405	471	500	533	556	610	688	705	749	785	888	889	913	931	946	980								
563: Arturo_24	165	240	289	304	356	390	405	471	500	533	556	610	688	705	749	785	888	889	913	931	946	980								
564: PetiteSangsue_25 + 1	165	240	289	304	356	390	405	471	500	533	556	610	688	705	749	785	888	889	913	931	946	980								
565: Albee_25	165	240	289	304	356	390	405	471	500	533	556	610	688	705	749	785	888	889	913	931	946	980								
566: TygerBlood_25	165	240	289	304	356	390	405	471	500	533	556	610	688	705	749	785	888	889	913	931	946	980								
567: RockieBear_24 + 1	165	240	289	304	356	390	395	471	500	533	556	610	688	705	749	785	888	889	913	931	946	980								
568: Simk_26 + 2	165	240	289	304	356	390	405	471	500	533	556	610	688	705	749	785	888	889	913	931	946	980								
569: Flux_25 + 2	165	240	289	304	356	390	405	471	500	533	556	610	688	705	749	785	888	889	913	931	946	980								
570: Phontbonne_25 + 4	165	240	289	304	356	390	405	471	500	533	556	610	688	705	749	785	888	889	913	931	946	980								
571: Snygu2_25	165	240	289	304	356	390	405	471	500	533	556	610	688	705	749	785	888	889	913	931	946	980								
572: Eagle_24	165	240	289	304	356	390	405	471	500	533	556	610	688	705	749	785	888	889	913	931	946	980								
573: Shaka_25	165	240	289	304	356	390	405	471	500	533	556	610	688	705	749	785	888	889	913	931	946	980								
574: Umah_25	165	240	289	304	356	390	405	471	500	533	556	610	688	705	749	785	888	889	913	931	946	980								
575: Abdiel_24	165	240	289	304	356	390	405	471	500	533	556	610	688	705	749	785	888	889	913	931	946	980								
576: Cimron_25	165	240	289	304	356	390	405	471	500	533	556	610	688	705	749	785	888	889	913	931	946	980								
577: Pheipe_25	165	240	289	304	356	390	405	471	500	533	556	610	688	705	749	785	888	889	913	931	946	980								
578: Neos_25 + 1	165	240	289	304	356	390	405	471	500	533	556	610	688	705	749	785	888	889	913	931	946	980								
579: Lemur_25	165	240	289	304	356	390	405	462	500	533	556	610	688	705	749	785	888	889	913	931	946	980								
580: Tinybot_24	165	240	289	304	356	390	405	462	500	533	556	610	688	705	749	785	888	889	913	931	946	980								
581: Ens_24	165	240	289	304	356	390	405	462	500	533	556	610	688	705	749	785	888	889	913	931	946	980								
582: Kratak_25 + 1	165	240	289	304	356	390	405	462	500	533	556	610	688	705	749	785	888	889	913	931	946	980								
583: Iracema64_26	165	240	289	304	356	390	395	462	500	533	556	610	688	705	749	785	888	889	913	931	946	980								
584: Cindaradix_24	165	240	289	304	356	390	405	462	500	533	556	610	688	705	749	785	888	889	913	931	946	980								
585: KekoraPapaka_24	165	240	289	304	356	390	405	462	500	533	556	610	688	705	749	785	888	889	913	931	946	980								
586: Cici_25	165	240	289	304	356	390	412	462	500	533	556	610	688	705	749	785	888	889	913	931	946	980								
587: Noelle_25	165	240	289	304	356	390	405	462	500	533	556	610	688	705	749	785	888	889	913	931	946	980								
588: Spino_25	165	240	289	304	356	390	405	462	500	533	556	610	688	705	749	785	888	889	913	931	946	980								
589: Mazhar510_25 + 1	165	240	289	304	356	390	405	462	500	533	556	610	688	705	749	785	888	889	913	931	946	980								
590: Koren_24 + 1	165	240	289	304	356	390	405	462	500	533	556	610	688	705	749	785	888	889	913	931	946	980								
591: Ruin_25	165	240	289	304	356	390	405	462	500	533	556	610	688	705	749	785	888	889	913	931	946	980								
592: Commander_25	165	240	289	304	356	390	405	462	500	533	556	610	688	705	749	785	888	889	913	931	946	980								
593: Rosa24_24	165	240	289	304	356	390	405	462	500	533	556	610	688	705	749	785	888	889	913	931	946	980								
594: Eapen_25 + 1	165	240	289	304	356	390	405	462	500	533	556	610	688	705	749	785	888	889	913	931	946	980								
595: Kremtemulon_25	165	240	289	304	356	390	405	462	500	533	556	610	688	705	749	785	888	889	913	931	946	980								
596: LochMonster_25	165	240	289	304	356	390	405	462	500	533	556	610	688	705	749	785	888	889	913	931	946	980								
597: Iceman_26	129	156	164	212	240	289	310	331	356	390	405	423	453	484	501	556	588	614	634	688	705	749	785	888	889	913	931	946	980	990
598: Migasa_22	129	156	164	212	240	289	310	331	356	390	405	423	453	484	501	556	588	614	634	688	705	749	785	888	889	913	931	946	980	990
599: OnionJack_32	129	156	164	212	240	289	310	331	356	390	405	423	453	484	501	556	588	614	634	688	705	749	785	888	889	913	931	946	980	990
600: AgentM_22 + 10	129	156	164	212	240	289	310	331	356	390	405	423	453	484	501	556	588	614	634	688	705	749	785	888	889	913	931	946	980	990

[illegible]

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 305955 Report

This analysis was run 06/27/26 on database version 652.

Pham number 305955 has 946 members, 99 are drafts.

Phages represented in each track:

- Track 1 : Corvo_24, Snazzy_22
- Track 2 : StrongArm_23, Bexan_23
- Track 3 : HermioneGrange_24, TwoPeat_25
- Track 4 : Eyeball_24
- Track 5 : QTRlifeCrisis_24
- Track 6 : Graduation_26
- Track 7 : Aldrich_25, GroundGoblin_25, DirtDevil_25, Noxious_26, Hermia_26, CatBus_25, KikiBouba_26
- Track 8 : Naira_25, Fenn_25, Squee_25
- Track 9 : Nhonho_24
- Track 10 : Blessor_24
- Track 11 : SwissCheese_24
- Track 12 : Pelly_25, Marge_25, AFIS_24
- Track 13 : KSSJEB_24, DreamCatcher_27, Switzer_25, Seabiscuit_26, U2_24
- Track 14 : Forsytheast_23, Moose_23
- Track 15 : Magnito_23, Turj99_23
- Track 16 : SarFire_24, Thor_24
- Track 17 : Dulcie_23
- Track 18 : Bob3_23, Molly_25, MPlant7149_23, Jerm2_25, NEHalo_24, BigMau_26, Zephyr_24, Lopton_25, Rohr_25
- Track 19 : ConceptII_25
- Track 20 : Atkinbua_25
- Track 21 : Fushigi_25
- Track 22 : Lamina13_24
- Track 23 : Oogway_23
- Track 24 : Blackflame_24
- Track 25 : Gandalf20_25
- Track 26 : Ohno789_24, Gachnar_24, MetalQZJ_24, MaryBeth_24, Hami1_26, Whitspit_25, Teodoridan_22
- Track 27 : Bruns_23
- Track 28 : Solon_24, Pita2_26, Rufus_25, BPBiebs31_25, PSullivan_26, Tote_26, JuliaChild_26, Ciao_24, Swole_26, Sanya_23
- Track 29 : Iqorha_23, Inyanga_23
- Track 30 : Peterson_27
- Track 31 : Gwendoluna_26, MilleFeuille_23, Blue_24, LilBib_25
- Track 32 : Wilkins_24, Topgun_24
- Track 33 : Licorice_26

- Track 34 : McSinger_25
- Track 35 : MrGordo_24, Barriga_24, Big3_24
- Track 36 : Smairt_25, Violet_23, Maroc7_23
- Track 37 : Levia_24, StewieG_23, PhineBark_23
- Track 38 : Fascinus_23
- Track 39 : Wheeler_24
- Track 40 : BarrowTuph_23
- Track 41 : Bigfoot_23
- Track 42 : CactusRose_23
- Track 43 : SkiPole_26
- Track 44 : Marcell_24
- Track 45 : Petp2012_26
- Track 46 : Killigrew_22
- Track 47 : Target_26
- Track 48 : SpikeBT_26, ShortQueendom_24
- Track 49 : PinkPlastic_23
- Track 50 : Briton15_26, Dynamix_25, McGuire_25
- Track 51 : Gompeii16_24, ChristmasHams_25, Bircsak_24
- Track 52 : Mule_24, Crispicous1_23, PhrostyMug_24
- Track 53 : Agaliana_25
- Track 54 : Beatrix_23
- Track 55 : Acme_26, Greg_26, Pippin_26, Fajezeel_26
- Track 56 : Mryolo_23
- Track 57 : Ruotula_23
- Track 58 : Nerujay_25, Zeuska_25, Applejack_24, KyMonks1A_26, Kugel_25, Sunshine924_23
- Track 59 : Ringer_24
- Track 60 : GageAP_26
- Track 61 : CartmannCramer_24
- Track 62 : Chanagan_23
- Track 63 : PowerRanger_24
- Track 64 : Pepe_25
- Track 65 : Tasp14_25, Parliament_23
- Track 66 : PascalRango_23
- Track 67 : ILeeKay_26, Sumter_23
- Track 68 : Aeneas_26
- Track 69 : DrFeelGood_23
- Track 70 : Petruchio_24
- Track 71 : PattyP_26, Burton_25, Slagathor_25, Museum_26
- Track 72 : Arcanine_25, Rajelicia_24, GMonster_23
- Track 73 : EnzoK_25, Buttons_25
- Track 74 : HanShotFirst_24
- Track 75 : Seanderson_25
- Track 76 : Bigchungu_24, Sorpresa_24, Sandaddy_23
- Track 77 : Makemake_24
- Track 78 : Ashballer_23
- Track 79 : Gyzlar_26
- Track 80 : Papez_26, Francis47_24
- Track 81 : DD5_25, Lockley_24, Watermelon_26
- Track 82 : Lesedi_23
- Track 83 : Bones_24
- Track 84 : Payneiful_24, Marchy_23
- Track 85 : Adahisdi_25

- Track 86 : Rutherferd_26
- Track 87 : Doom_25
- Track 88 : Abrogate_250
- Track 89 : Abbyshoes_25, Dussy_25, Kenmech_27
- Track 90 : JackSparrow_25
- Track 91 : Dreamboat_25
- Track 92 : Trouble_24
- Track 93 : Rhynn_24
- Track 94 : Edtherson_25, Treddle_26
- Track 95 : BillKnuckles_25, Bxb1_22
- Track 96 : BigPaolini_25
- Track 97 : Marsha_24
- Track 98 : Manatee_25, Pari_25
- Track 99 : Perseus_25
- Track 100 : Carlyle_26
- Track 101 : BaconJack_26
- Track 102 : LunarLander_24
- Track 103 : STLscum_25
- Track 104 : PherrisBueller_25
- Track 105 : ProMouse_23
- Track 106 : IgnatiusPatJac_23, BluSpix_24
- Track 107 : Jasper_25
- Track 108 : Froghopper_25
- Track 109 : Espresso_24, Michley_24, KBG_25, PacerPaul_24
- Track 110 : Smeagol_26
- Track 111 : Alsfro_28
- Track 112 : Alvin_25
- Track 113 : TheloniousMonk_26
- Track 114 : Hope4ever_24
- Track 115 : Magnar_24
- Track 116 : Dexes_25
- Track 117 : Niza_26
- Track 118 : Phlippers_23
- Track 119 : Sibs6_26, Arlo_23
- Track 120 : Paraselene_23
- Track 121 : Anglerfish_25
- Track 122 : Bethlehem_24
- Track 123 : Homines_24
- Track 124 : Altman_26, Kanely_25, Cueylyss_24
- Track 125 : Jorgensen_24
- Track 126 : Norz_26
- Track 127 : Euphoria_24
- Track 128 : Kykar_22
- Track 129 : Paphu_23
- Track 130 : RidgeCB_24
- Track 131 : Traft412_26, JC27_26
- Track 132 : Monet_26
- Track 133 : A6_22, BK1_22
- Track 134 : HarryOW_25
- Track 135 : Puppet_24
- Track 136 : Pinto_26
- Track 137 : Tripl3t_25
- Track 138 : Marco3_24

- Track 139 : BeesKnees_25
- Track 140 : Rubeus_25
- Track 141 : Raid_24
- Track 142 : Sagefire_25
- Track 143 : Mkhusele_25
- Track 144 : GrecoEtereo_25
- Track 145 : Ichabod_25
- Track 146 : Ajay_24
- Track 147 : Scowl_25
- Track 148 : Zeeculate_23
- Track 149 : DontArgue_24
- Track 150 : Kristoff_26
- Track 151 : Rowdy_29, RhynO_26, DustyMartin_29, Shapes_29
- Track 152 : Eaglepride_26
- Track 153 : PeaceMeal_24, Drake94_24
- Track 154 : Edison31_25, Twister_25
- Track 155 : KittenMittens_24
- Track 156 : OKCentral2016_25
- Track 157 : Poompha_24
- Track 158 : WalterMcMickey_25, Topanga_25
- Track 159 : Trike_23
- Track 160 : Goose_25
- Track 161 : Severus_24
- Track 162 : Rebeuca_26
- Track 163 : Chupacabra_25
- Track 164 : Petersenfast_25, Wolpertinger_25
- Track 165 : Aneem_26
- Track 166 : Flaverint_26, Salz_26, Hutc2_26, Orange_26, Jabith_26, Insomnia_26, Bowtie_26, Mabel_26, MaCh_26, Mulciber_26, Sham4_26, Lucivia_26, Kimba_26, Gilberta_26
- Track 167 : Bachome_26, Ebony_26
- Track 168 : Timothy_26, Fibonacci_26
- Track 169 : TinyTimmy_26
- Track 170 : Saskia_25
- Track 171 : Bud_26, Et2Brutus_25, Snape_26, Munch_26
- Track 172 : Joselito_26
- Track 173 : Refuge_29
- Track 174 : Pharaoh_26
- Track 175 : DarthPhader_27
- Track 176 : Steamy_27
- Track 177 : Zimmer_28
- Track 178 : Phlei_21
- Track 179 : Jeeves_25
- Track 180 : Gail_25
- Track 181 : SororFago_25
- Track 182 : Luchador_27
- Track 183 : Sunhee_25
- Track 184 : Anon_26
- Track 185 : Epsocamisio_28, Strosahl_28, Boohoo_28, Oofda_28, ReMo_28, Looper_29, Remus_28, Rosalind_28, Soups_28, Waits_28, ShayRa_29, Ravana_28, Switzerland_28, LastResort_28
- Track 186 : DekHockey33_28, KatherineG_28
- Track 187 : Nedarya_27

- Track 188 : Warrior24_28
- Track 189 : Battleship_29, JSwag_28, MinecraftSteve_29, Anaysia_28
- Track 190 : Elle_26
- Track 191 : LogiBear_28
- Track 192 : Nebulosus_28
- Track 193 : PainterBoy_27
- Track 194 : EagleEye_28
- Track 195 : Lucyedi_27
- Track 196 : 40AC_29
- Track 197 : MyraDee_23
- Track 198 : Kimona_22
- Track 199 : SemperFi_28, QueenBeesly_26, Georgie2_27, SweetiePie_26, Crucio_26, FiringLine_26
- Track 200 : Trooper_26
- Track 201 : TipsytheTRex_25
- Track 202 : Benvolio_26, Echid_26
- Track 203 : Pukovnik_28
- Track 204 : Bradman_25, MajorMajor_25, Quokka_24
- Track 205 : Jsquared_25
- Track 206 : Odin_25
- Track 207 : Herbertwm_23
- Track 208 : AbbyPaige_28
- Track 209 : Whabigail7_28
- Track 210 : Equemioh13_28, Baehexic_27, Gratitude_27, Terrific_30, Updawg_28, MiculUcigas_26, WideWale_28
- Track 211 : Dignity_28
- Track 212 : Larenn_27
- Track 213 : D29_26, D32_29, Naji_29, Travvers_29
- Track 214 : Colin_30
- Track 215 : Adzzy_27
- Track 216 : IronMan_28
- Track 217 : WeiHuaDA_32
- Track 218 : Flare16_26
- Track 219 : Phaded_29
- Track 220 : L5_26
- Track 221 : MissWhite_26
- Track 222 : Retro23_26, Dalmatian_26
- Track 223 : Kerberos_29, Tomathan_29
- Track 224 : Che12_28
- Track 225 : BobSwaget_29
- Track 226 : Anselm_26
- Track 227 : NothingSpecial_28
- Track 228 : Piro94_27
- Track 229 : ANI8_29, VC3_29, C3_24, AN9_29
- Track 230 : AnnaL29_29
- Track 231 : Leogania_28
- Track 232 : Loser_29
- Track 233 : AN3_26, VA6_26
- Track 234 : XianYue_26
- Track 235 : Superchunk_25
- Track 236 : Iwokeupliedis_27
- Track 237 : DBQu4n_29, Duplo_29
- Track 238 : Sknot_26

- Track 239 : KingCyrus_28, ChipMunk_28
- Track 240 : NicoleTera_30
- Track 241 : Koduck_27
- Track 242 : LionsBait_27
- Track 243 : ForesterFrank_27
- Track 244 : Serenity_25
- Track 245 : TarsusIV_26
- Track 246 : HippoHollow_27
- Track 247 : SwirlSquare_27
- Track 248 : EZMoney23_30
- Track 249 : First_0026
- Track 250 : Ph8s_27
- Track 251 : CRB1_26
- Track 252 : Trixie_29
- Track 253 : SnapTap_26
- Track 254 : Agape74_28, Buggy_28
- Track 255 : JoshKayV_28
- Track 256 : DudeLittle_26
- Track 257 : Miko_29
- Track 258 : Caraxes_25
- Track 259 : Prudy_28
- Track 260 : Drake55_28
- Track 261 : NaSiaTalie_26
- Track 262 : DeerParkTS_27
- Track 263 : RedRock_29
- Track 264 : Fameo_26, QueenB2_26
- Track 265 : Malec_27
- Track 266 : Acolyte_26
- Track 267 : 20ES_26
- Track 268 : Rachaly_29
- Track 269 : Lokk_29
- Track 270 : Deloris_27
- Track 271 : Leviathan_28
- Track 272 : Tristan_27
- Track 273 : LilTurb_28
- Track 274 : LadyBird_26
- Track 275 : BabyBack_28
- Track 276 : Bactobuster_27
- Track 277 : Jerm_28
- Track 278 : BiancaTri92_28
- Track 279 : GaugeLDP_28
- Track 280 : BengiVuitton_27
- Track 281 : Jaan_29
- Track 282 : HarryHoudini_28
- Track 283 : Kalpine_29
- Track 284 : Journey13_24
- Track 285 : Centaur_28
- Track 286 : Landor_27
- Track 287 : Turbido_28
- Track 288 : Changeling_28
- Track 289 : StarStuff_29
- Track 290 : Pomar16_29
- Track 291 : Heffalump_28

- Track 292 : Power_26
- Track 293 : ArcherNM_28
- Track 294 : Smeagan_28
- Track 295 : EvilGenius_28
- Track 296 : Anthony_25
- Track 297 : FatCactus_24
- Track 298 : Kinmap_26
- Track 299 : Chargerpower_26
- Track 300 : Texage_25, Lambert1_26, Norbert_25, Pocahontas_26, Panamaxus_25, Noella_26, ResDef_26, Hookmount_26, Popcicle_26, EtoileNova_26
- Track 301 : LBerry_27
- Track 302 : Sabinator_27, Hercules11_27, Montavir_26, GingkoMaracino_27, TinyPebbles_27, Croquant_28, KADY_28, Cullens_27, Gwennie_26, LugYA_29, AgronaGT15_27, Dieselweasel_27, Vix_27, Wooldri_29, Anubis_29, SoYo_27, Methuselah_26, Beauxregard13_27, Louie6_27, Bxz2_26, Soshari_29, PotatoSplit_28, Misomonster_29, Penny1_27, EpicPhail_27, Marie_27, MarQuardt_27, Tiffany_27, Bigflo_27, Fernando_27, BuzzBuzz_26, LarryKay_27, Colbster_27, Daishi_26, JHC117_27, GtownJaz_27, JenCasNa_27, Taurus_27, MoneyMay_27, HashRod_28
- Track 303 : Rockstar_25, JF2_25, MK4_25, Isca_25, JF4_25, B1_23
- Track 304 : Phoxy_27, Spike509_27
- Track 305 : Phranny_28, PurpleHaze_27, Pawn_27, Gemma_27, HaveUMetTed_28, Manu_28, Groupthink_28, Kalnoky_28, Calvinny_28, ClownCar_28, Kalb97_28, Reba_28, Marius_28, Heliosoles_27
- Track 306 : Fred313_25, HelDan_25, Kachowdy_25, Heathen_25
- Track 307 : Margo_26, Veracruz_25, Todacoro_26, Caviar_26, QuinnKiro_25
- Track 308 : Jobu08_27, SoilDragon_27
- Track 309 : AugsMagnumOpus_29, Watson_27, Stagni_27, Sabia_27, Lilith_27, Farber_27, Phoebe_27, Grub_27, StepMih_27, MadMarie_27, PGHhamlin_29, Microwolf_27, Pembroke_27, Malinsilva_29, MuchMore_29, DaHudson_27, Mainiac_27, BreSam8_27, Iowa_27
- Track 310 : ACFishhook_27
- Track 311 : JeppNRM_28
- Track 312 : Ollie_27
- Track 313 : BlueBird_26, Giroux_26, Idleandcovert_25, Puppy_26, Bugatti_25, Clammy_25, TNguyen7_25, SaturnRing_25, Pistachio_26
- Track 314 : Phantastic_25
- Track 315 : Chiqui_24, BabyJohn_24
- Track 316 : Roimos_25
- Track 317 : Zarafa_25
- Track 318 : Marchesa_25, DropBear_25
- Track 319 : Scout_25
- Track 320 : BabyRay_25
- Track 321 : MA5_25
- Track 322 : Zetzy_26
- Track 323 : Aglet_27
- Track 324 : OlanP_27
- Track 325 : Rummer_27
- Track 326 : PhishRPhriends_26
- Track 327 : Snickers_27
- Track 328 : Grum1_27
- Track 329 : P28Green_27
- Track 330 : Grif_27

- Track 331 : Mundrea_25
- Track 332 : Alberto7_26, KFPoly_25, Bombshell_25, TroyPia_25, Chaph_25, Maverick_25, Phacado_25, Sultana_25, Thanksgivukkah_25, Wander_25, Huxley_25, Cocoaberry_25, PeterPeter_25, Avle17_25, SteMason_25
- Track 333 : Camperdownii_24
- Track 334 : TinaFeyge_25
- Track 335 : JetBlade_25, Connomayer_25, MeeZee_25, Palestino_24, Kyee_25, Pumbaa_25, BubbleTrouble_25
- Track 336 : LHTSCC_26, Obama12_26
- Track 337 : LeoAvram_25
- Track 338 : Florean_25, Caelakin_25, Druantia_25, Citius_25, Broseidon_25, Scamp_25, Bartimeaus_25, Melvin_25, Sabertooth_25, Wizard007_25, CentreCat_25, Blackmoor_25, Bruiser_24, Sparxx_25, Baby16_25, NorthStar_25
- Track 339 : Phighter1804_25
- Track 340 : Nemo27_25, NotAPhaseMom_25, Houdini22_25, Gadost_25
- Track 341 : ICleared_25
- Track 342 : Dhanush_25
- Track 343 : LittleB_25
- Track 344 : Cerulean_26, BangNhom_25, ChampagnePapi_26, SheldonCooper_26
- Track 345 : LittleGuy_25
- Track 346 : Badger_25
- Track 347 : Holli_25, Mayonnaise_25, JoongJeon_25, OKaNui_26, Taquarus_25, Relief_25, Clarenza_25
- Track 348 : Perplexer_25
- Track 349 : Lunsford_26, Deano_25
- Track 350 : Skipitt_25
- Track 351 : Bumblebee11_25, Morpher26_25, Katalie136_25
- Track 352 : Kingmustik0402_25, Millski_24, HamSlice_24
- Track 353 : Medusa_25, Jaykayelowell_25, Roosevelt_25, Annyong_25, Peaches_25
- Track 354 : Kamy_25, Funston_25, Lorenzo_25, Maxo_25
- Track 355 : Koan_25
- Track 356 : Happiness_25
- Track 357 : Eros_25
- Track 358 : YoSam321_25
- Track 359 : Burger_24
- Track 360 : Stasia_26
- Track 361 : Wilbur_25
- Track 362 : Backyardigan_25, Wile_25, Achebe_24, Datway_25, Xena_25
- Track 363 : Arturo_24
- Track 364 : PetiteSangsue_25, AbbysRanger_25
- Track 365 : Albee_25
- Track 366 : TygerBlood_25
- Track 367 : RockieBear_24, SenorClean_25
- Track 368 : Stink_26, Miramae_25, AvatarAhPeg_26
- Track 369 : Flux_25, LappelDuVide_25, Nyxis_25
- Track 370 : Phontbonne_25, TiroTheta9_25, Polymorphads_25, Morrow_25, Eurydice_25
- Track 371 : Shygu2_25
- Track 372 : Eagle_24
- Track 373 : Shaka_25
- Track 374 : Ohfah_25
- Track 375 : Abdiel_24

- Track 376 : Cintron_25
- Track 377 : Phelipe_25
- Track 378 : Nebs_25, BellusTerra_25
- Track 379 : Lemur_25
- Track 380 : Tinybot_24
- Track 381 : Eris_24
- Track 382 : Kratak_25, DirtyDunning_25
- Track 383 : Iracema64_26
- Track 384 : Cindaradix_24
- Track 385 : KekoraPapaka_24
- Track 386 : Cici_25
- Track 387 : Noelle_25
- Track 388 : Spino_25
- Track 389 : Mazhar510_25, Ulysses_24
- Track 390 : Koreni_24, Romney_25
- Track 391 : Ruin_25
- Track 392 : Commander_25
- Track 393 : Rosa24_24
- Track 394 : Eapen_25, Pipcraft_25
- Track 395 : Kremtemulon_25
- Track 396 : LochMonster_25
- Track 397 : Iceman_26
- Track 398 : Micasa_22
- Track 399 : UnionJack_22
- Track 400 : AgentM_22, Archetta_22, PickleBack_22, Bluefalcon_21, Lev2_22, ForGetIt_22, Phlorence_22, Jovo_22, Aragog_22, Conspiracy_22, Discoknowium_22
- Track 401 : Milcery_22
- Track 402 : Tarynearal_21, LittleCherry_22, Bonamassa_22, Twigg_22
- Track 403 : Jabiru_22
- Track 404 : ElTiger69_22
- Track 405 : Swirley_22
- Track 406 : Florence1_22, Florence4_23
- Track 407 : Chadwick_23
- Track 408 : PetterN_23
- Track 409 : Coog_22, Cuco_22, Midas2_22
- Track 410 : HuhtaEnerson15_22
- Track 411 : Ghoulboy_22, Zolita_21, SydNat_22
- Track 412 : George_21
- Track 413 : Naca_22
- Track 414 : Theia_20, Dublin_21, MarysWell_21
- Track 415 : Scorpio_23
- Track 416 : Benedict_22
- Track 417 : Airmid_22
- Track 418 : Prinashe11_23
- Track 419 : Tiger_22
- Track 420 : SuperCallie99_29, Pmask_29
- Track 421 : Indra_29
- Track 422 : SuperAwesome_29, JewelBug_29, BennyP_29, Neeharika16_29, Kazan_29, DelvinSonDorr_28, Candra_29, GreedyLawyer_29, EricB_29, McFly_29, SmellyB_29, VohminGhazi_29, BABullseye_29, Cookiedough_29, Newrala_29, Chartreuse_29, Hoot_29, Kipper29_29, DaVinci_29
- Track 423 : Hexamo_29, CloudWang3_29, Gladiator_29, Jeffabunny_29, Blue7_29, Hammer_29, Wiks_29, BlessJoy_29, ToneTone_27, Lilbunny_29, Yokurt_29,

Tucker_29, Gruunaga_29, Roksolana_29, Artemis2UCLA_29, Zaka_29, Zulu_29, WunderPhul_29

- Track 424 : Garak_30, Helmet_29, Temprado_29
- Track 425 : Polyphemus_29, Jordennis_29, Dorothea_29
- Track 426 : Rifter_29
- Track 427 : Isiphiwo_29
- Track 428 : Koko_29
- Track 429 : Blinn1_29
- Track 430 : Priamo_29
- Track 431 : Toro_28, FlyCatcher_29
- Track 432 : HINdeR_25
- Track 433 : Sheen_27
- Track 434 : PP_35
- Track 435 : DroogsArmy_26
- Track 436 : Timshel_26
- Track 437 : Danforth_21, Stephig9_22, Groundhog_21
- Track 438 : Expelliarmus_21, Smeadley_22, Caitlin_22, Astro_22
- Track 439 : Dixon_22
- Track 440 : Phillis_22
- Track 441 : Saintus_22
- Track 442 : Roary_22
- Track 443 : NearlyHeadless_22
- Track 444 : Jiawan_26
- Track 445 : Darrell_28
- Track 446 : Charm_26
- Track 447 : Conquerage_27
- Track 448 : Bellris_24, CogOmlette_24, WorldCup_24
- Track 449 : Beemo_27, ExplosioNervosa_27, Qobbit_27, Pioneer_27, Phonnegut_27
- Track 450 : Eidsmoe_27, Priya_27, Spouty_27, Alma_27
- Track 451 : Toaka_25
- Track 452 : Vanisoa_25
- Track 453 : RyeScarlet_28, Hanray_26
- Track 454 : EmyBug_27
- Track 455 : Aliter_27, Tubs_27, PackMan_27, Fayely_27, Phaeder_27, Myxus_27, HortumSL17_27
- Track 456 : Rahalelujah_25
- Track 457 : Halex_26
- Track 458 : Klodlith_26
- Track 459 : BogosyJay_27
- Track 460 : Catalina_27
- Track 461 : EdogawaKiddo_25, Ayanochan_28, Sachima_25
- Track 462 : Onglai_26
- Track 463 : SheaKeira_26
- Track 464 : Celestialunch_26
- Track 465 : Scherzo_27, Ugenie5_24
- Track 466 : Arissanae_25
- Track 467 : MegTheThird_25
- Track 468 : Yecey3_26
- Track 469 : Elephantoon_27
- Track 470 : Keziacharles14_25
- Track 471 : Maminiaina_27
- Track 472 : LoneWolf_27

- Track 473 : Minispark_24
- Track 474 : Lilleskat_25
- Track 475 : DreamTeam1_26
- Track 476 : Espica_21, Gollum_21, Naiad_21, Belenaria_21, Phrankenstein_21, RER2_14, CosmicSans_21, Swann_21, StCroix_21, Alatin_21, TWAMP_21, Bradshaw_21, Natosaleda_21, UhSalsa_21, Erik_21, Nancinator_21, Lillie_21, Rhodalysa_21
- Track 477 : Krishelle_21, AppleCloud_19
- Track 478 : Hiro_21
- Track 479 : Yoncess_21
- Track 480 : Harlequin_21, Bryce_21
- Track 481 : Alpacados_20
- Track 482 : AngryOrchard_20
- Track 483 : Dinger_21
- Track 484 : Bonanza_21, Yogi_21
- Track 485 : Partridge_21
- Track 486 : PhailMary_20
- Track 487 : Takoda_21
- Track 488 : Rasputin_21
- Track 489 : BobbyDazzler_21
- Track 490 : RGL3_14
- Track 491 : Shuman_21
- Track 492 : RexFury_21
- Track 493 : Jester_21

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

The start number called the most often in the published annotations is 167, it was called in 215 of the 847 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- A6_22, AFIS_24, Abbyshoes_25, Abrogate_250, Acme_26, Adahisdi_25, Aeneas_26, Agaliana_25, Ajay_24, Aldrich_25, Alsfro_28, Altman_26, Alvin_25, Anglerfish_25, Applejack_24, Arcanine_25, Arlo_23, Ashballer_23, Atkinbua_25, BK1_22, BPBiebs31_25, BaconJack_26, Barriga_24, BarrowTuph_23, Beatrix_23, Bethlehem_24, Bexan_23, Big3_24, BigMau_26, BigPaolini_25, Bigchungu_24, Bigfoot_23, BillKnuckles_25, Bircsak_24, Blackflame_24, Blesser_24, BluSpix_24, Blue_24, Bob3_23, Bones_24, Bruns_23, Burton_25, Buttons_25, Bxb1_22, CactusRose_23, Carlyle_26, CartmannCramer_24, CatBus_25, Chanagan_23, ChristmasHams_25, Ciao_24, ConceptII_25, Corvo_24, Crispicous1_23, Cueyliss_24, DD5_25, Dexes_25, DirtDevil_25, Doom_25, DrFeelGood_23, DreamCatcher_27, Dreamboat_25, Dulcie_23, Dussy_25, Edtherson_25, EnzoK_25, Espresso_24, Euphoria_24, Eyeball_24, Fajezeel_26, Fascinus_23, Fenn_25, Forsytheast_23, Francis47_24, Froghopper_25, Fushigi_25, GMonster_23, Gachnar_24, GageAP_26, Gandalf20_25, Gompeii16_24, Graduation_26, GrecoEtereo_25, Greg_26, GroundGoblin_25, Gwendoluna_26, Gyzlar_26, Hami1_26, HanShotFirst_24, HarryOW_25, Hermia_26, HermioneGrange_24, Homines_24, ILeeKay_26, Ichabod_25, IgnatiusPatJac_23, Inyanga_23, Iqorha_23, JC27_26, JackSparrow_25, Jasper_25, Jerm2_25, Jorgensen_24, JuliaChild_26, KBG_25, KSSJEB_24, Kanely_25, Kenmech_27, KikiBouba_26, Kugel_25,

KyMonks1A_26, Kykar_22, Lamina13_24, Lesedi_23, Levia_24, Licorice_26, LilBib_25, Lockley_24, Lopton_25, LunarLander_24, MPlant7149_23, Magnar_24, Magnito_23, Makemake_24, Manatee_25, Marcell_24, Marchy_23, Marco3_24, Marge_25, Maroc7_23, Marsha_24, MaryBeth_24, McSinger_25, MetalQZJ_24, Michley_24, MilleFeuille_23, Mkhuseleli_25, Molly_25, Monet_26, Moose_23, MrGordo_24, Mryolo_23, Mule_24, Museum_26, NEHalo_24, Naira_25, Nerujay_25, Nhonho_24, Niza_26, Norz_26, Noxious_26, Ohno789_24, Oogway_23, PSullivan_26, PacerPaul_24, Papez_26, Paphu_23, Paraselene_23, Pari_25, Parliament_23, PascalRango_23, PattyP_26, Payneful_24, Pelly_25, Pepe_25, Perseus_25, Peterson_27, Petp2012_26, Petruchio_24, PherrisBueller_25, PhineBark_23, Phlippers_23, PhrostyMug_24, PinkPlastic_23, Pinto_26, Pippin_26, Pita2_26, PowerRanger_24, ProMouse_23, Puppet_24, QTRlifeCrisis_24, Rajelicia_24, Rhynn_24, RidgeCB_24, Rohr_25, Rubeus_25, Rufus_25, Ruotula_23, Rutherford_26, STLscum_25, Sagefire_25, Sandaddy_23, Sanya_23, SarFire_24, Scowl_25, Seabiscuit_26, Seanderson_25, ShortQueendom_24, Sibs6_26, SkiPole_26, Slagathor_25, Smairt_25, Smeagol_26, Snazzy_22, Solon_24, Sorpresa_24, SpikeBT_26, Squee_25, StewieG_23, StrongArm_23, Sumter_23, Sunshine924_23, SwissCheese_24, Switzer_25, Swole_26, Target_26, Tasp14_25, Teodoridan_22, Thor_24, Topgun_24, Tote_26, Traft412_26, Treddle_26, Tripl3t_25, Trouble_24, Turj99_23, TwoPeat_25, U2_24, Violet_23, Watermelon_26, Whitspit_25, Wilkins_24, Zeeculate_23, Zephyr_24, Zeuska_25,

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

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

• 20ES_26, 40AC_29, ACFishhook_27, AN3_26, AN9_29, ANI8_29, AbbyPaige_28, AbbysRanger_25, Abdiel_24, Achebe_24, Acolyte_26, Adzzy_27, Agape74_28, AgentM_22, Aglet_27, AgronaGT15_27, Airmid_22, Alatin_21, Albee_25, Alberto7_26, Aliter_27, Alma_27, Alpacados_20, Anaysia_28, Aneem_26, AngryOrchard_20, AnnaL29_29, Annyong_25, Anon_26, Anselm_26, Anthony_25, Anubis_29, AppleCloud_19, Aragog_22, ArcherNM_28, Archetta_22, Arissanae_25, Artemis2UCLA_29, Arturo_24, Astro_22, AugsMagnumOpus_29, AvatarAhPeg_26, Avle17_25, Ayanochan_28, B1_23, BABullseye_29, Baby16_25, BabyBack_28, BabyJohn_24, BabyRay_25, Bachome_26, Backyardigan_25, Bactobuster_27, Badger_25, Baehexic_27, BangNhom_25, Bartimeaus_25, Battleship_29, Beauxregard13_27, Beemo_27, BeesKnees_25, Belenaria_21, Bellris_24, BellusTerra_25, Benedict_22, BengiVuitton_27, BennyP_29, Benvolio_26, BiancaTri92_28, Bigflo_27, Blackmoor_25, BlessJoy_29, Blinn1_29, Blue7_29, BlueBird_26, Bluefalcon_21, BobSwaget_29, BobbyDazzler_21, BogosyJay_27, Bombshell_25, Bonamassa_22, Bonanza_21, Boohoo_28, Bowtie_26, Bradman_25, Bradshaw_21, BreSam8_27, Briton15_26, Broseidon_25, Bruiser_24, Bryce_21, BubbleTrouble_25, Bud_26, Bugatti_25, Buggy_28, Bumblebee11_25, Burger_24, BuzzBuzz_26, Bxz2_26, C3_24, CRB1_26, Caelakin_25, Caitlin_22, Calvinny_28, Camperdownii_24, Candra_29, Caraxes_25, Catalina_27, Caviar_26, Celestiallunch_26, Centaur_28, CentreCat_25, Cerulean_26, Chadwick_23, ChampagnePapi_26, Changeling_28, Chaph_25, Chargerpower_26, Charm_26, Chartreuse_29, Che12_28, ChipMunk_28, Chiqui_24, Chupacabra_25, Cici_25, Cindaradix_24, Cintron_25, Citius_25, Clammy_25, Clarenza_25, CloudWang3_29, ClownCar_28, Cocoaberry_25, CogOmlette_24, Colbster_27, Colin_30, Commander_25, Connomayer_25, Conquerage_27, Conspiracy_22, Coog_22, Cookiedough_29, CosmicSans_21, Croquant_28, Crucio_26, Cuco_22, Cullens_27, D29_26, D32_29, DBQu4n_29, DaHudson_27, DaVinci_29, Daishi_26,

Dalmatian_26, Danforth_21, Darrell_28, DarthPhader_27, Datway_25, Deano_25, DeerParkTS_27, DekHockey33_28, Deloris_27, DelvinSonDorr_28, Dhanush_25, Dieselweasel_27, Dignity_28, Dinger_21, DirtyDunning_25, Discoknowium_22, Dixon_22, DontArgue_24, Dorothea_29, Drake55_28, Drake94_24, DreamTeam1_26, DroogsArmy_26, DropBear_25, Druantia_25, Dublin_21, DudeLittle_26, Duplo_29, DustyMartin_29, Dynamix_25, EZMoney23_30, EagleEye_28, Eagle_24, Eaglepride_26, Eapen_25, Ebony_26, Echild_26, Edison31_25, EdogawaKiddo_25, Eidsmoe_27, ElTiger69_22, Elephantoon_27, Elle_26, EmyBug_27, EpicPhail_27, Epsocamisio_28, Equemioh13_28, EricB_29, Erik_21, Eris_24, Eros_25, Espica_21, Et2Brutus_25, EtoileNova_26, Eurydice_25, EvilGenius_28, Expelliarmus_21, ExplosioNervosa_27, Fameo_26, Farber_27, FatCactus_24, Fayely_27, Fernando_27, Fibonacci_26, FiringLine_26, First_0026, Flare16_26, Flaverint_26, Florean_25, Florence1_22, Florence4_23, Flux_25, FlyCatcher_29, ForGetIt_22, ForesterFrank_27, Fred313_25, Funston_25, Gadost_25, Gail_25, Garak_30, GaugeLDP_28, Gemma_27, George_21, Georgie2_27, Ghoulboy_22, Gilberta_26, GingkoMaracino_27, Giroux_26, Gladiator_29, Gollum_21, Goose_25, Gratitude_27, GreedyLawyer_29, Grif_27, Groundhog_21, Groupthink_28, Grub_27, Grum1_27, Gruunaga_29, GtownJaz_27, Gwennie_26, HINdeR_25, HamSlice_24, Hammer_29, Hanray_26, Happiness_25, Harlequin_21, HarryHoudini_28, HashRod_28, HaveUMetTed_28, Heathen_25, Heffalump_28, HelDan_25, Heliosoles_27, Helmet_29, Herbertwm_23, Hercules11_27, Hexamo_29, HippoHollow_27, Hiro_21, Horex_26, Holli_25, Hookmount_26, Hoot_29, Hope4ever_24, HortumSL17_27, Houdini22_25, HuhtaEnerson15_22, Hutc2_26, Huxley_25, ICleared_25, Iceman_26, Idleandcovert_25, Indra_29, Insomnia_26, Iracema64_26, IronMan_28, Isca_25, Isiphiwo_29, Iwokeuplikedis_27, JF2_25, JF4_25, JHC117_27, JSwag_28, Jaan_29, Jabiru_22, Jabith_26, Jaykayelowell_25, Jeeves_25, Jeffabunny_29, JenCasNa_27, JeppNRM_28, Jerm_28, Jester_21, JetBlade_25, JewelBug_29, Jiawan_26, Jobu08_27, JoongJeon_25, Jordennis_29, Joselito_26, JoshKayV_28, Journey13_24, Jovo_22, Jsquared_25, KADY_28, KFPoly_25, Kachowdy_25, Kalb97_28, Kalnoky_28, Kalpine_29, Kampy_25, Katalie136_25, KatherineG_28, Kazan_29, KekoraPapaka_24, Kerberos_29, Keziacharles14_25, Killigrew_22, Kimba_26, Kimona_22, KingCyrus_28, Kingmustik0402_25, Kinmap_26, Kipper29_29, KittenMittens_24, Klodlith_26, Koan_25, Koduck_27, Koko_29, Koreni_24, Kratark_25, Kremtemulon_25, Krishelle_21, Kristoff_26, Kyee_25, L5_26, LBerry_27, LHTSCC_26, LadyBird_26, Lambert1_26, Landor_27, LappelDuVide_25, Larenn_27, LarryKay_27, LastResort_28, Lemur_25, LeoAvram_25, Leogania_28, Lev2_22, Leviathan_28, LiITurb_28, Lilbunny_29, Lilith_27, Lilleskat_25, Lillie_21, LionsBait_27, LittleB_25, LittleCherry_22, LittleGuy_25, LochMonster_25, LogiBear_28, Lokk_29, LoneWolf_27, Looper_29, Lorenzo_25, Loser_29, Louie6_27, Iowa_27, Luchador_27, Lucivia_26, Lucyedi_27, LugYA_29, Lunsford_26, MA5_25, MK4_25, MaCh_26, Mabel_26, MadMarie_27, Mainiac_27, MajorMajor_25, Malec_27, Malinsilva_29, Maminiaina_27, Manu_28, MarQuardt_27, Marchesa_25, Margo_26, Marie_27, Marius_28, MarysWell_21, Maverick_25, Maxo_25, Mayonnaise_25, Mazhar510_25, McFly_29, McGuire_25, Medusa_25, MeeZee_25, MegTheThird_25, Melvin_25, Methuselah_26, Micasa_22, Microwolf_27, MiculUcigas_26, Midas2_22, Miko_29, Milcery_22, Millski_24, MinecraftSteve_29, Minispark_24, Miramae_25, Misomonster_29, MissWhite_26, MoneyMay_27, Montavir_26, Morpher26_25, Morrow_25, MuchMore_29, Mulciber_26, Munch_26, Mundrea_25, MyraDee_23, Myxus_27, NaSiaTalie_26, Naca_22, Naiad_21, Naji_29, Nancinator_21, Natosaleda_21, NearlyHeadless_22, Nebs_25, Nebulosus_28, Nedarya_27, Neeharika16_29, Nemo27_25, Newrala_29, NicoleTera_30, Noella_26, Noelle_25, Norbert_25, NorthStar_25, NotAPhaseMom_25, NothingSpecial_28,

Nyxis_25, OKCentral2016_25, OKaNui_26, Obama12_26, Odin_25, Ohfah_25,
 OlanP_27, Ollie_27, Onglai_26, Oofda_28, Orange_26, P28Green_27,
 PGHhamlin_29, PP_35, PackMan_27, PainterBoy_27, Palestino_24, Panamaxus_25,
 Partridge_21, Pawn_27, PeaceMeal1_24, Peaches_25, Pembroke_27, Penny1_27,
 Perplexer_25, PeterPeter_25, Petersenfast_25, PetiteSangsue_25, PetterN_23,
 Ph8s_27, Phacado_25, Phaded_29, Phaeder_27, PhailMary_20, Phantastic_25,
 Pharaoh_26, Phelipe_25, Phighter1804_25, Phillis_22, PhishRPhriends_26,
 Phlei_21, Phlorence_22, Phoebe_27, Phonnegut_27, Phontbonne_25, Phoxy_27,
 Phrankenstein_21, Phranny_28, PickleBack_22, Pioneer_27, Pipcraft_25, Piro94_27,
 Pistachio_26, Pmask_29, Pocahontas_26, Polymorphads_25, Polyphemus_29,
 Pomar16_29, Poompha_24, Popcicle_26, PotatoSplit_28, Power_26, Priamo_29,
 Prinashel1_23, Priya_27, Prudy_28, Pukovnik_28, Pumbaa_25, Puppy_26,
 PurpleHaze_27, Qobbit_27, QueenB2_26, QueenBeesly_26, QuinnKiro_25,
 Quokka_24, RER2_14, RGL3_14, Rachaly_29, Rahalelujah_25, Raid_24,
 Rasputin_21, Ravana_28, ReMo_28, Reba_28, Rebeuca_26, RedRock_29,
 Refuge_29, Relief_25, Remus_28, ResDef_26, Retro23_26, RexFury_21,
 Rhodalysa_21, RhynO_26, Rifter_29, Ringer_24, Roary_22, RockieBear_24,
 Rockstar_25, Roimos_25, Roksolana_29, Romney_25, Roosevelt_25, Rosa24_24,
 Rosalind_28, Rowdy_29, Ruin_25, Rummer_27, RyeScarlet_28, Sabertooth_25,
 Sabia_27, Sabinator_27, Sachima_25, Saintus_22, Salz_26, Saskia_25,
 SaturnRing_25, Scamp_25, Scherzo_27, Scorpio_23, Scout_25, SemperFi_28,
 SenorClean_25, Serenity_25, Severus_24, Shaka_25, Sham4_26, Shapes_29,
 ShayRa_29, SheaKeira_26, Sheen_27, SheldonCooper_26, Shuman_21,
 Shygu2_25, Skipitt_25, Sknot_26, Smeadley_22, Smeagan_28, SmellyB_29,
 SnapTap_26, Snape_26, Snickers_27, SoYo_27, SoilDragon_27, SororFago_25,
 Soshari_29, Soups_28, Sparxx_25, Spike509_27, Spino_25, Spouty_27, StCroix_21,
 Stagni_27, StarStuff_29, Stasia_26, SteMason_25, Steamy_27, StepMih_27,
 Stephig9_22, Stink_26, Strosahl_28, Sultana_25, Sunhee_25, SuperAwesome_29,
 SuperCallie99_29, Superchunk_25, Swann_21, SweetiePie_26, SwirlSquare_27,
 Swirley_22, Switzerland_28, SydNat_22, TNguyen7_25, TWAMP_21, Takoda_21,
 Taquarus_25, TarsusIV_26, Tarynearal_21, Taurus_27, Temprado_29, Terrific_30,
 Texage_25, Thanksgivukkah_25, Theia_20, TheloniousMonk_26, Tiffany_27,
 Tiger_22, Timothy_26, Timshel_26, TinaFeyge_25, TinyPebbles_27, TinyTimmy_26,
 Tinybot_24, TopsytheTRex_25, TiroTheta9_25, Toaka_25, Todacoro_26,
 Tomathan_29, ToneTone_27, Topanga_25, Toro_28, Travvers_29, Trike_23,
 Tristan_27, Trixie_29, Trooper_26, TroyPia_25, Tubs_27, Tucker_29, Turbido_28,
 Twigg_22, Twister_25, TygerBlood_25, Ugenie5_24, UhSalsa_21, Ulysses_24,
 UnionJack_22, Updawg_28, VA6_26, VC3_29, Vanisoa_25, Veracruz_25, Vix_27,
 VohminGhazi_29, Waits_28, WalterMcMickey_25, Wander_25, Warrior24_28,
 Watson_27, WeiHuaDA_32, Whabigail7_28, Wheeler_24, WideWale_28, Wiks_29,
 Wilbur_25, Wile_25, Wizard007_25, Wolpertinger_25, Wooldri_29, WorldCup_24,
 WunderPhul_29, Xena_25, XianYue_26, Yecey3_26, YoSam321_25, Yogi_21,
 Yokurt_29, Yoncess_21, Zaka_29, Zarafa_25, Zetzy_26, Zimmer_28, Zolita_21,
 Zulu_29,

Summary by start number:

Start 1:

- Found in 42 of 946 (4.4%) of genes in pham
- Manual Annotations of this start: 39 of 847
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AgentM_22 (A5), Airmid_22 (A5), Aragog_22 (A5), Archetta_22 (A5), Benedict_22 (A5), Bluefalcon_21 (A5),

Bonamassa_22 (A5), Chadwick_23 (A5), Conspiracy_22 (A5), Coog_22 (A5), Cuco_22 (A5), Discoknowium_22 (A5), Dublin_21 (A5), ElTiger69_22 (A5), Florence1_22 (A5), Florence4_23 (A5), ForGetIt_22 (A5), George_21 (A5), Ghoulyboy_22 (A5), HuhtaEnerson15_22 (A5), Jabiru_22 (A5), Jovo_22 (A5), Lev2_22 (A5), LittleCherry_22 (A5), MarysWell_21 (A5), Micasa_22 (A5), Midas2_22 (A5), Milcery_22 (A5), Naca_22 (A5), PetterN_23 (A5), Phlorence_22 (A5), PickleBack_22 (A5), Prinashe11_23 (A5), Scorpio_23 (A5), Swirley_22 (A5), SydNat_22 (A5), Tarynearal_21 (A5), Theia_20 (A5), Tiger_22 (A5), Twigg_22 (A5), UnionJack_22 (A5), Zolita_21 (A5),

Start 2:

- Found in 1 of 946 (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: Phlei_21 (A13),

Start 3:

- Found in 3 of 946 (0.3%) of genes in pham
- Manual Annotations of this start: 3 of 847
- Called 100.0% of time when present
- Phage (with cluster) where this start called: EagleEye_28 (A16), Lucyedi_27 (A16), PainterBoy_27 (A16),

Start 14:

- Found in 14 of 946 (1.5%) of genes in pham
- Manual Annotations of this start: 12 of 847
- Called 92.9% of time when present
- Phage (with cluster) where this start called: Astro_22 (A8), Caitlin_22 (A8), Danforth_21 (A8), Dixon_22 (A8), Expelliarmus_21 (A8), FatCactus_24 (A20), Groundhog_21 (A8), NearlyHeadless_22 (A8), Phillis_22 (A8), Roary_22 (A8), Saintus_22 (A8), Smeadley_22 (A8), Stephig9_22 (A8),

Start 15:

- Found in 38 of 946 (4.0%) of genes in pham
- Manual Annotations of this start: 35 of 847
- Called 97.4% of time when present
- Phage (with cluster) where this start called: Alatin_21 (CA), Alpacados_20 (CA), AngryOrchard_20 (CA), AppleCloud_19 (CA), Belenaria_21 (CA), BobbyDazzler_21 (CA), Bonanza_21 (CA), Bradshaw_21 (CA), Bryce_21 (CA), CosmicSans_21 (CA), Dinger_21 (CA), Erik_21 (CA), Espica_21 (CA), Gollum_21 (CA), Harlequin_21 (CA), Hiro_21 (CA), Jester_21 (CA), Krishelle_21 (CA), Lillie_21 (CA), Naiad_21 (CA), Nancinator_21 (CA), Natosaleda_21 (CA), PhailMary_20 (CA), Phrankenstien_21 (CA), RER2_14 (CA), RGL3_14 (CA), Rasputin_21 (CA), RexFury_21 (CA), Rhodalysa_21 (CA), Shuman_21 (CA), StCroix_21 (CA), Swann_21 (CA), TWAMP_21 (CA), Takoda_21 (CA), UhSalsa_21 (CA), Yogi_21 (CA), Yoncess_21 (CA),

Start 16:

- Found in 2 of 946 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 847
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Anthony_25 (A20),

Start 21:

- Found in 5 of 946 (0.5%) of genes in pham
- Manual Annotations of this start: 1 of 847
- Called 40.0% of time when present
- Phage (with cluster) where this start called: Charm_26 (A9), Klodlith_26 (A9),

Start 23:

- Found in 3 of 946 (0.3%) of genes in pham
- No Manual Annotations of this start.
- Called 66.7% of time when present
- Phage (with cluster) where this start called: Celestiallunch_26 (A9), MegTheThird_25 (A9),

Start 24:

- Found in 1 of 946 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 847
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Acolyte_26 (A2),

Start 26:

- Found in 5 of 946 (0.5%) of genes in pham
- Manual Annotations of this start: 5 of 847
- Called 100.0% of time when present
- Phage (with cluster) where this start called: DARTHPhader_27 (A12), Pharaoh_26 (A12), Refuge_29 (A12), Steamy_27 (A12), Zimmer_28 (A12),

Start 30:

- Found in 2 of 946 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 847
- Called 50.0% of time when present
- Phage (with cluster) where this start called: LoneWolf_27 (A9),

Start 33:

- Found in 44 of 946 (4.7%) of genes in pham
- Manual Annotations of this start: 33 of 847
- Called 100.0% of time when present
- Phage (with cluster) where this start called: B1_23 (A3), BabyJohn_24 (A3), BabyRay_25 (A3), BlueBird_26 (A3), Bugatti_25 (A3), Caviar_26 (A3), Chiqui_24 (A3), Clammy_25 (A3), DropBear_25 (A3), EtoileNova_26 (A3), Fred313_25 (A3), Giroux_26 (A3), Heathen_25 (A3), HelDan_25 (A3), Hookmount_26 (A3), Idleandcovert_25 (A3), Isca_25 (A3), JF2_25 (A3), JF4_25 (A3), Kachowdy_25 (A3), Lambert1_26 (A3), MA5_25 (A3), MK4_25 (A3), Marchesa_25 (A3), Margo_26 (A3), Noella_26 (A3), Norbert_25 (A3), Panamaxus_25 (A3), Phantastic_25 (A3), Pistachio_26 (A3), Pocahontas_26 (A3), Popcicle_26 (A3), Puppy_26 (A3), QuinnKiro_25 (A3), ResDef_26 (A3), Rockstar_25 (A3), Roimos_25 (A3), SaturnRing_25 (A3), Scout_25 (A3), TNguyen7_25 (A3), Texage_25 (A3), Todacoro_26 (A3), Veracruz_25 (A3), Zarafa_25 (A3),

Start 35:

- Found in 91 of 946 (9.6%) of genes in pham
- Manual Annotations of this start: 84 of 847
- Called 100.0% of time when present

- Phage (with cluster) where this start called: ACFishhook_27 (A3), Aglet_27 (A3), AgronaGT15_27 (A3), Anubis_29 (A3), AugsMagnumOpus_29 (A3), Beauxregard13_27 (A3), Bigflo_27 (A3), BreSam8_27 (A3), BuzzBuzz_26 (A3), Bxz2_26 (A3), Calvinny_28 (A3), ClownCar_28 (A3), Colbster_27 (A3), Croquant_28 (A3), Cullens_27 (A3), DaHudson_27 (A3), Daishi_26 (A3), Dieselweasel_27 (A3), EpicPhail_27 (A3), Farber_27 (A3), Fernando_27 (A3), Gemma_27 (A3), GingkoMaracino_27 (A3), Grif_27 (A3), Groupthink_28 (A3), Grub_27 (A3), Grum1_27 (A3), GtownJaz_27 (A3), Gwennie_26 (A3), HashRod_28 (A3), HaveUMetTed_28 (A3), Heliosoles_27 (A3), Hercules11_27 (A3), JHC117_27 (A3), JenCasNa_27 (A3), JeppNRM_28 (A3), Jobu08_27 (A3), KADY_28 (A3), Kalb97_28 (A3), Kalnoky_28 (A3), Kimona_22 (A19), LBerry_27 (A3), LarryKay_27 (A3), Lilith_27 (A3), Louie6_27 (A3), Lowa_27 (A3), LugYA_29 (A3), MadMarie_27 (A3), Mainiac_27 (A3), Malinsilva_29 (A3), Manu_28 (A3), MarQuardt_27 (A3), Marie_27 (A3), Marius_28 (A3), Methuselah_26 (A3), Microwolf_27 (A3), Misomonster_29 (A3), MoneyMay_27 (A3), Montavir_26 (A3), MuchMore_29 (A3), OlanP_27 (A3), Ollie_27 (A3), P28Green_27 (A3), PGHhamlin_29 (A3), Pawn_27 (A3), Pembroke_27 (A3), Penny1_27 (A3), PhishRPhriends_26 (A3), Phoebe_27 (A3), Phoxy_27 (A3), Phranny_28 (A3), PotatoSplit_28 (A3), PurpleHaze_27 (A3), Reba_28 (A3), Rummer_27 (A3), Sabia_27 (A3), Sabinator_27 (A3), Snickers_27 (A3), SoYo_27 (A3), SoilDragon_27 (A3), Soshari_29 (A3), Spike509_27 (A3), Stagni_27 (A3), StepMih_27 (A3), Taurus_27 (A3), Tiffany_27 (A3), TinyPebbles_27 (A3), Vix_27 (A3), Watson_27 (A3), Wooldri_29 (A3), Zetzy_26 (A3),

Start 36:

- Found in 11 of 946 (1.2%) of genes in pham
- Manual Annotations of this start: 4 of 847
- Called 54.5% of time when present
- Phage (with cluster) where this start called: DroogsArmy_26 (A7), FlyCatcher_29 (A7), HINder_25 (A7), Sheen_27 (A7), Timshel_26 (A7), Toro_28 (A7),

Start 51:

- Found in 56 of 946 (5.9%) of genes in pham
- Manual Annotations of this start: 33 of 847
- Called 82.1% of time when present
- Phage (with cluster) where this start called: Aliter_27 (A9), Alma_27 (A9), Arissanae_25 (A9), Ayanochan_28 (A9), Beemo_27 (A9), Bellris_24 (A9), BogosyJay_27 (A9), Catalina_27 (A9), CogOmlette_24 (A9), Conquerage_27 (A9), Darrell_28 (A9), DreamTeam1_26 (A9), EdogawaKiddo_25 (A9), Eidsmoe_27 (A9), Elephantoon_27 (A9), EmyBug_27 (A9), ExplosioNervosa_27 (A9), Fayely_27 (A9), Hanray_26 (A9), Halex_26 (A9), HortumSL17_27 (A9), Jiawan_26 (A9), Keziacharles14_25 (A9), Lilleskat_25 (A9), Maminaiaina_27 (A9), Minispark_24 (A9), Myxus_27 (A9), Onglai_26 (A9), PackMan_27 (A9), Phaeder_27 (A9), Phonnegut_27 (A9), Pioneer_27 (A9), Priya_27 (A9), Qobbit_27 (A9), Rahalelujah_25 (A9), RyeScarlet_28 (A9), Sachima_25 (A9), Scherzo_27 (A9), SheaKeira_26 (A9), Spouty_27 (A9), Toaka_25 (A9), Tubs_27 (A9), Ugenie5_24 (A9), Vanisoa_25 (A9), WorldCup_24 (A9), Yecey3_26 (A9),

Start 60:

- Found in 1 of 946 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 847
- Called 100.0% of time when present
- Phage (with cluster) where this start called: PP_35 (A7),

Start 71:

- Found in 1 of 946 (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: LogiBear_28 (A15),

Start 78:

- Found in 2 of 946 (0.2%) of genes in pham
- No Manual Annotations of this start.
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Elle_26 (A15),

Start 116:

- Found in 1 of 946 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 847
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Odin_25 (A2),

Start 117:

- Found in 6 of 946 (0.6%) of genes in pham
- Manual Annotations of this start: 5 of 847
- Called 83.3% of time when present
- Phage (with cluster) where this start called: Adzzy_27 (A2), Che12_28 (A2), Ph8s_27 (A2), Superchunk_25 (A2), SwirlSquare_27 (A2),

Start 120:

- Found in 108 of 946 (11.4%) of genes in pham
- Manual Annotations of this start: 91 of 847
- Called 100.0% of time when present
- Phage (with cluster) where this start called: 20ES_26 (A2), AN3_26 (A2), AN9_29 (A2), ANI8_29 (A2), AbbyPaige_28 (A2), Agape74_28 (A2), AnnaL29_29 (A2), Anselm_26 (A2), ArcherNM_28 (A2), BabyBack_28 (A2), Baehexic_27 (A2), BengiVuitton_27 (A2), Benvolio_26 (A2), BiancaTri92_28 (A2), BobSwaget_29 (A2), Bradman_25 (A2), Bugsy_28 (A2), C3_24 (A2), CRB1_26 (A2), Centaur_28 (A2), Changeling_28 (A2), ChipMunk_28 (A2), Colin_30 (A2), Crucio_26 (A2), D29_26 (A2), D32_29 (A2), DBQu4n_29 (A2), Dalmatian_26 (A2), DeerParkTS_27 (A2), Deloris_27 (A2), Dignity_28 (A2), Drake55_28 (A2), DudeLittle_26 (A2), Duplo_29 (A2), EZMoney23_30 (A2), Echid_26 (A2), Equemioh13_28 (A2), EvilGenius_28 (A2), Fameo_26 (A2), FiringLine_26 (A2), First_0026 (A2), Flare16_26 (A2), ForesterFrank_27 (A2), GaugeLDP_28 (A2), Georgie2_27 (A2), Gratitude_27 (A2), HarryHoudini_28 (A2), Heffalump_28 (A2), HippoHollow_27 (A2), Jerm_28 (A2), JoshKayV_28 (A2), Journey13_24 (A2), Jsquared_25 (A2), Kalpine_29 (A2), Kerberos_29 (A2), KingCyrus_28 (A2), Koduck_27 (A2), Koko_29 (A6), L5_26 (A2), LadyBird_26 (A2), Larenn_27 (A2), Leogania_28 (A2), Leviathan_28 (A2), LilTurb_28 (A2), LionsBait_27 (A2), Lokk_29 (A2), Loser_29 (A2), MajorMajor_25 (A2), Malec_27 (A2), MiculUcigas_26 (A2), Miko_29 (A2), MissWhite_26 (A2), NaSiaTalie_26 (A2), Naji_29 (A2), NicoleTera_30 (A2), NothingSpecial_28 (A2), Piro94_27 (A2), Pomar16_29 (A2), Power_26 (A2), Prudy_28 (A2), QueenB2_26 (A2), QueenBeesly_26 (A2), Quokka_24 (A2), Rachaly_29 (A2), RedRock_29 (A2), Retro23_26 (A2), SemperFi_28 (A2), Serenity_25 (A2), Sknot_26 (A2), Smeagan_28 (A2), SnapTap_26 (A2), StarStuff_29 (A2), SweetiePie_26 (A2), TarsusIV_26 (A2), Terrific_30 (A2), TopsytheTRex_25 (A2), Tomathan_29 (A2), Travvers_29 (A2), Trixie_29 (A2), Trooper_26 (A2), Turbido_28 (A2), Updawg_28 (A2), VA6_26 (A2),

VC3_29 (A2), WeiHuaDA_32 (A2), Whabigail7_28 (A2), WideWale_28 (A2), XianYue_26 (A2),

Start 124:

- Found in 8 of 946 (0.8%) of genes in pham
- No Manual Annotations of this start.
- Called 12.5% of time when present
- Phage (with cluster) where this start called: Caraxes_25 (A2),

Start 125:

- Found in 28 of 946 (3.0%) of genes in pham
- Manual Annotations of this start: 22 of 847
- Called 82.1% of time when present
- Phage (with cluster) where this start called: Aneem_26 (A11), Bowtie_26 (A11), Bud_26 (A11), Et2Brutus_25 (A11), Fibonacci_26 (A11), Flaverint_26 (A11), Gilberta_26 (A11), Hutc2_26 (A11), Insomnia_26 (A11), Jabith_26 (A11), Joselito_26 (A11), Kimba_26 (A11), Lucivia_26 (A11), MaCh_26 (A11), Mabel_26 (A11), Mulciber_26 (A11), Munch_26 (A11), Orange_26 (A11), Salz_26 (A11), Sham4_26 (A11), Snape_26 (A11), Timothy_26 (A11), TinyTimmy_26 (A11),

Start 128:

- Found in 51 of 946 (5.4%) of genes in pham
- Manual Annotations of this start: 47 of 847
- Called 100.0% of time when present
- Phage (with cluster) where this start called: 40AC_29 (A17), Artemis2UCLA_29 (A6), BABullseye_29 (A6), BennyP_29 (A6), BlessJoy_29 (A6), Blinn1_29 (A6), Blue7_29 (A6), Candra_29 (A6), Chartreuse_29 (A6), CloudWang3_29 (A6), Cookiedough_29 (A6), DaVinci_29 (A6), DelvinSonDorr_28 (A6), Dorothea_29 (A6), EricB_29 (A6), Garak_30 (A6), Gladiator_29 (A6), GreedyLawyer_29 (A6), Gruunaga_29 (A6), Hammer_29 (A6), Helmet_29 (A6), Hexamo_29 (A6), Hoot_29 (A6), Indra_29 (A6), Isiphiwo_29 (A6), Jeffabunny_29 (A6), JewelBug_29 (A6), Jordennis_29 (A6), Kazan_29 (A6), Kipper29_29 (A6), Lilbunny_29 (A6), McFly_29 (A6), Neeharika16_29 (A6), Newrala_29 (A6), Pmask_29 (A6), Polyphemus_29 (A6), Priamo_29 (A6), Rifter_29 (A6), Roksolana_29 (A6), SmellyB_29 (A6), SuperAwesome_29 (A6), SuperCallie99_29 (A6), Temprado_29 (A6), ToneTone_27 (A6), Tucker_29 (A6), VohminGhazi_29 (A6), Wiks_29 (A6), WunderPhul_29 (A6), Yokurt_29 (A6), Zaka_29 (A6), Zulu_29 (A6),

Start 129:

- Found in 66 of 946 (7.0%) of genes in pham
- Manual Annotations of this start: 2 of 847
- Called 3.0% of time when present
- Phage (with cluster) where this start called: MyraDee_23 (A18), Nebulosus_28 (A15),

Start 131:

- Found in 28 of 946 (3.0%) of genes in pham
- Manual Annotations of this start: 2 of 847
- Called 17.9% of time when present
- Phage (with cluster) where this start called: Bachome_26 (A11), Ebony_26 (A11), Petersenfast_25 (A11), Saskia_25 (A11), Wolpertinger_25 (A11),

Start 134:

- Found in 23 of 946 (2.4%) of genes in pham
- Manual Annotations of this start: 4 of 847
- Called 17.4% of time when present
- Phage (with cluster) where this start called: Anaysia_28 (A15), Battleship_29 (A15), JSwag_28 (A15), MinecraftSteve_29 (A15),

Start 149:

- Found in 1 of 946 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 847
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Anon_26 (A15),

Start 156:

- Found in 4 of 946 (0.4%) of genes in pham
- Manual Annotations of this start: 2 of 847
- Called 75.0% of time when present
- Phage (with cluster) where this start called: Herbertwm_23 (A2), Iwokeuplikedis_27 (A2), Kinmap_26 (A21),

Start 159:

- Found in 33 of 946 (3.5%) of genes in pham
- Manual Annotations of this start: 1 of 847
- Called 3.0% of time when present
- Phage (with cluster) where this start called: Partridge_21 (CA),

Start 161:

- Found in 55 of 946 (5.8%) of genes in pham
- Manual Annotations of this start: 8 of 847
- Called 14.5% of time when present
- Phage (with cluster) where this start called: Drake94_24 (A10), Edison31_25 (A10), Goose_25 (A10), Kristoff_26 (A10), PeaceMeal1_24 (A10), Poompha_24 (A10), Rebeuca_26 (A10), Twister_25 (A10),

Start 165:

- Found in 146 of 946 (15.4%) of genes in pham
- Manual Annotations of this start: 118 of 847
- Called 80.8% of time when present
- Phage (with cluster) where this start called: AbbysRanger_25 (A4), Abdiel_24 (A4), Achebe_24 (A4), Albee_25 (A4), Alberto7_26 (A4), Annyong_25 (A4), AvatarAhPeg_26 (A4), Avle17_25 (A4), Baby16_25 (A4), Backyardigan_25 (A4), Badger_25 (A4), BangNhom_25 (A4), Bartimeaus_25 (A4), BellusTerra_25 (A4), Blackmoor_25 (A4), Bombshell_25 (A4), Broseidon_25 (A4), Bruiser_24 (A4), BubbleTrouble_25 (A4), Bumblebee11_25 (A4), Burger_24 (A4), Caelakin_25 (A4), Camperdownii_24 (A4), CentreCat_25 (A4), Cerulean_26 (A4), ChampagnePapi_26 (A4), Chaph_25 (A4), Cici_25 (A4), Citius_25 (A4), Clarenza_25 (A4), Cocoaberry_25 (A4), Connomayer_25 (A4), Datway_25 (A4), Deano_25 (A4), Dhanush_25 (A4), DirtyDunning_25 (A4), Druantia_25 (A4), Eris_24 (A4), Eros_25 (A4), Eurydice_25 (A4), Florean_25 (A4), Funston_25 (A4), HamSlice_24 (A4), Happiness_25 (A4), Holli_25 (A4), Huxley_25 (A4), Iceman_26 (A4), Iracema64_26 (A4), Jaykayelowell_25 (A4), JetBlade_25 (A4), JoongJeon_25 (A4), KFPoly_25 (A4), Kamy_25 (A4), Katalie136_25 (A4), Kingmustik0402_25 (A4), Koan_25 (A4), Koreni_24 (A4), Kratak_25 (A4), Kremtemulon_25 (A4), Kyee_25 (A4), Lemur_25 (A4), LittleB_25 (A4), LittleGuy_25 (A4), Lorenzo_25 (A4), Lunsford_26 (A4),

Maverick_25 (A4), Maxo_25 (A4), Mayonnaise_25 (A4), Mazhar510_25 (A4), Medusa_25 (A4), MeeZee_25 (A4), Melvin_25 (A4), Millski_24 (A4), Miramae_25 (A4), Morpher26_25 (A4), Morrow_25 (A4), Mundrea_25 (A4), Nebs_25 (A4), Noelle_25 (A4), NorthStar_25 (A4), OKaNui_26 (A4), Ohfah_25 (A4), Palestino_24 (A4), Peaches_25 (A4), Perplexer_25 (A4), PeterPeter_25 (A4), PetiteSangsue_25 (A4), Phacado_25 (A4), Phelipe_25 (A4), Phighter1804_25 (A4), Phontbonne_25 (A4), Polymorphads_25 (A4), Pumbaa_25 (A4), Relief_25 (A4), Romney_25 (A4), Roosevelt_25 (A4), Ruin_25 (A4), Sabertooth_25 (A4), Scamp_25 (A4), Shaka_25 (A4), SheldonCooper_26 (A4), Shygu2_25 (A4), Sparxx_25 (A4), Stasia_26 (A4), SteMason_25 (A4), Stink_26 (A4), Sultana_25 (A4), Taquarus_25 (A4), Thanksgiving_25 (A4), TiroTheta9_25 (A4), TroyPia_25 (A4), TygerBlood_25 (A4), Ulysses_24 (A4), Wander_25 (A4), Wile_25 (A4), Wizard007_25 (A4), Xena_25 (A4), YoSam321_25 (A4),

Start 167:

- Found in 235 of 946 (24.8%) of genes in pham
- Manual Annotations of this start: 215 of 847
- Called 100.0% of time when present
- Phage (with cluster) where this start called: A6_22 (A1), AFIS_24 (A1), Abbyshoes_25 (A1), Abrogate_250 (A1), Acme_26 (A1), Adahisdi_25 (A1), Aeneas_26 (A1), Agaliana_25 (A1), Ajay_24 (A1), Aldrich_25 (A1), Alsfro_28 (A1), Altman_26 (A1), Alvin_25 (A1), Anglerfish_25 (A1), Applejack_24 (A1), Arcanine_25 (A1), Arlo_23 (A1), Ashballer_23 (A1), Atkinbua_25 (A1), BK1_22 (A1), BPBiebs31_25 (A1), BaconJack_26 (A1), Barriga_24 (A1), BarrowTuph_23 (A1), Beatrix_23 (A1), Bethlehem_24 (A1), Bexan_23 (A1), Big3_24 (A1), BigMau_26 (A1), BigPaolini_25 (A1), Bigchungi_24 (A1), Bigfoot_23 (A1), BillKnuckles_25 (A1), Bircsak_24 (A1), Blackflame_24 (A1), Blesser_24 (A1), BluSpix_24 (A1), Blue_24 (A1), Bob3_23 (A1), Bones_24 (A1), Bruns_23 (A1), Burton_25 (A1), Buttons_25 (A1), Bxb1_22 (A1), CactusRose_23 (A1), Carlyle_26 (A1), CartmannCramer_24 (A1), CatBus_25 (A1), Chanagan_23 (A1), ChristmasHams_25 (A1), Ciao_24 (A1), ConceptII_25 (A1), Corvo_24 (A1), Crispicous1_23 (A1), Cueylyss_24 (A1), DD5_25 (A1), Dexes_25 (A1), DirtDevil_25 (A1), Doom_25 (A1), DrFeelGood_23 (A1), DreamCatcher_27 (A1), Dreamboat_25 (A1), Dulcie_23 (A1), Dussy_25 (A1), Edtherson_25 (A1), EnzoK_25 (A1), Espresso_24 (A1), Euphoria_24 (A1), Eyeball_24 (A1), Fajezeel_26 (A1), Fascinus_23 (A1), Fenn_25 (A1), Forsytheast_23 (A1), Francis47_24 (A1), Froghopper_25 (A1), Fushigi_25 (A1), GMonster_23 (A1), Gachnar_24 (A1), GageAP_26 (A1), Gandalf20_25 (A1), Gompeii16_24 (A1), Graduation_26 (A1), GrecoEtereo_25 (A1), Greg_26 (A1), GroundGoblin_25 (A1), Gwendoluna_26 (A1), Gyzlar_26 (A1), Hami1_26 (A1), HanShotFirst_24 (A1), HarryOW_25 (A1), Hermia_26 (A1), HermioneGrange_24 (A1), Homines_24 (A1), ILeeKay_26 (A1), Ichabod_25 (A1), IgnatiusPatJac_23 (A1), Inyanga_23 (A1), Iqorha_23 (A1), JC27_26 (A1), JackSparrow_25 (A1), Jasper_25 (A1), Jerm2_25 (A1), Jorgensen_24 (A1), JuliaChild_26 (A1), KBG_25 (A1), KSSJEB_24 (A1), Kanely_25 (A1), Kenmech_27 (A1), KikiBouba_26 (A1), Kugel_25 (A1), KyMonks1A_26 (A1), Kykar_22 (A1), Lamina13_24 (A1), Lesedi_23 (A1), Levia_24 (A1), Licorice_26 (A1), LilBib_25 (A1), Lockley_24 (A1), Lopton_25 (A1), LunarLander_24 (A1), MPlant7149_23 (A1), Magnar_24 (A1), Magnito_23 (A1), Makemake_24 (A1), Manatee_25 (A1), Marcell_24 (A1), Marchy_23 (A1), Marco3_24 (A1), Marge_25 (A1), Maroc7_23 (A1), Marsha_24 (A1), MaryBeth_24 (A1), McSinger_25 (A1), MetalQZJ_24 (A1), Michley_24 (A1), MilleFeuille_23 (A1), Mkhusei_25 (A1), Molly_25 (A1), Monet_26 (A1), Moose_23 (A1), MrGordo_24 (A1), Mryolo_23 (A1), Mule_24 (A1), Museum_26 (A1), NEHalo_24 (A1), Naira_25 (A1), Nerujay_25 (A1), Nhonho_24 (A1), Niza_26 (A1), Norz_26 (A1), Noxious_26 (A1),

Ohno789_24 (A1), Oogway_23 (A1), PSullivan_26 (A1), PacerPaul_24 (A1), Papez_26 (A1), Paphu_23 (A1), Paraselene_23 (A1), Pari_25 (A1), Parliament_23 (A1), PascalRango_23 (A1), PattyP_26 (A1), Payneful_24 (A1), Pelly_25 (A1), Pepe_25 (A1), Perseus_25 (A1), Peterson_27 (A1), Petp2012_26 (A1), Petruchio_24 (A1), PherrisBueller_25 (A1), PhineBark_23 (A1), Phlippers_23 (A1), PhrostyMug_24 (A1), PinkPlastic_23 (A1), Pinto_26 (A1), Pippin_26 (A1), Pita2_26 (A1), PowerRanger_24 (A1), ProMouse_23 (A1), Puppet_24 (A1), QTRlifeCrisis_24 (A1), Rajelicia_24 (A1), Rhynn_24 (A1), RidgeCB_24 (A1), Rohr_25 (A1), Rubeus_25 (A1), Rufus_25 (A1), Ruotula_23 (A1), Rutherferd_26 (A1), STLscum_25 (A1), Sagefire_25 (A1), Sandaddy_23 (A1), Sanya_23 (A1), SarFire_24 (A1), Scowl_25 (A1), Seabiscuit_26 (A1), Seanderson_25 (A1), ShortQueendom_24 (A1), Sibs6_26 (A1), SkiPole_26 (A1), Slagathor_25 (A1), Smairt_25 (A1), Smeagol_26 (A1), Snazzy_22 (A1), Solon_24 (A1), Sorpresa_24 (A1), SpikeBT_26 (A1), Squee_25 (A1), StewieG_23 (A1), StrongArm_23 (A1), Sumter_23 (A1), Sunshine924_23 (A1), SwissCheese_24 (A1), Switzer_25 (A1), Swole_26 (A1), Target_26 (A1), Tasp14_25 (A1), Teodoridan_22 (A1), Thor_24 (A1), Topgun_24 (A1), Tote_26 (A1), Traft412_26 (A1), Treddle_26 (A1), Tripl3t_25 (A1), Trouble_24 (A1), Turj99_23 (A1), TwoPeat_25 (A1), U2_24 (A1), Violet_23 (A1), Watermelon_26 (A1), Whitspit_25 (A1), Wilkins_24 (A1), Zeeculate_23 (A1), Zephyr_24 (A1), Zeuska_25 (A1),

Start 169:

- Found in 9 of 946 (1.0%) of genes in pham
- Manual Annotations of this start: 9 of 847
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BeesKnees_25 (A1), Briton15_26 (A1), Dynamix_25 (A1), Hope4ever_24 (A1), McGuire_25 (A1), Raid_24 (A1), Ringer_24 (A1), TheloniousMonk_26 (A1), Wheeler_24 (A1),

Start 170:

- Found in 1 of 946 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 847
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Killigrew_22 (A1),

Start 188:

- Found in 51 of 946 (5.4%) of genes in pham
- Manual Annotations of this start: 18 of 847
- Called 35.3% of time when present
- Phage (with cluster) where this start called: Boohoo_28 (A15), DekHockey33_28 (A15), Epsocamisio_28 (A15), KatherineG_28 (A15), LastResort_28 (A15), Looper_29 (A15), Nedarya_27 (A15), Oofda_28 (A15), Ravana_28 (A15), ReMo_28 (A15), Remus_28 (A15), Rosalind_28 (A15), ShayRa_29 (A15), Soups_28 (A15), Strosahl_28 (A15), Switzerland_28 (A15), Waits_28 (A15), Warrior24_28 (A15),

Start 208:

- Found in 9 of 946 (1.0%) of genes in pham
- Manual Annotations of this start: 1 of 847
- Called 11.1% of time when present
- Phage (with cluster) where this start called: SororFago_25 (A14),

Start 209:

- Found in 12 of 946 (1.3%) of genes in pham
- Manual Annotations of this start: 7 of 847

- Called 58.3% of time when present
- Phage (with cluster) where this start called: Chargerpower_26 (A22), Gail_25 (A14), Luchador_27 (A14), Phaded_29 (A2), Pukovnik_28 (A2), Sunhee_25 (A14), Tristan_27 (A2),

Start 215:

- Found in 14 of 946 (1.5%) of genes in pham
- Manual Annotations of this start: 5 of 847
- Called 42.9% of time when present
- Phage (with cluster) where this start called: Bactobuster_27 (A2), DontArgue_24 (A10), IronMan_28 (A2), Jaan_29 (A2), Jeeves_25 (A14), Landor_27 (A2),

Start 223:

- Found in 386 of 946 (40.8%) of genes in pham
- Manual Annotations of this start: 23 of 847
- Called 6.2% of time when present
- Phage (with cluster) where this start called: Arturo_24 (A4), Cintron_25 (A4), Commander_25 (A4), Eagle_24 (A4), Eapen_25 (A4), Flux_25 (A4), Gadost_25 (A4), Houdini22_25 (A4), ICleared_25 (A4), LHTSCC_26 (A4), LappelDuVide_25 (A4), LochMonster_25 (A4), Nemo27_25 (A4), NotAPhaseMom_25 (A4), Nyxis_25 (A4), Obama12_26 (A4), Pipcraft_25 (A4), RockieBear_24 (A4), SenorClean_25 (A4), Skipitt_25 (A4), Spino_25 (A4), TinaFeyge_25 (A4), Tinybot_24 (A4), Wilbur_25 (A4),

Start 228:

- Found in 144 of 946 (15.2%) of genes in pham
- Manual Annotations of this start: 10 of 847
- Called 10.4% of time when present
- Phage (with cluster) where this start called: Chupacabra_25 (A10), DustyMartin_29 (A10), Eaglepride_26 (A10), KekoraPapaka_24 (A4), KittenMittens_24 (A10), LeoAvram_25 (A4), OKCentral2016_25 (A10), RhynO_26 (A10), Rosa24_24 (A4), Rowdy_29 (A10), Severus_24 (A10), Shapes_29 (A10), Topanga_25 (A10), Trike_23 (A10), WalterMcMickey_25 (A10),

Start 234:

- Found in 4 of 946 (0.4%) of genes in pham
- Manual Annotations of this start: 1 of 847
- Called 25.0% of time when present
- Phage (with cluster) where this start called: Cindaradix_24 (A4),

Summary by clusters:

There are 23 clusters represented in this pham: A15, A14, A17, A16, A11, A10, A13, A12, A19, A18, A1, A3, A2, A5, A4, A7, A6, A9, A8, CA, A20, A21, A22,

Info for manual annotations of cluster A1:

- Start number 167 was manually annotated 215 times for cluster A1.
- Start number 169 was manually annotated 9 times for cluster A1.
- Start number 170 was manually annotated 1 time for cluster A1.

Info for manual annotations of cluster A10:

- Start number 161 was manually annotated 8 times for cluster A10.
- Start number 228 was manually annotated 9 times for cluster A10.

Info for manual annotations of cluster A11:

- Start number 125 was manually annotated 22 times for cluster A11.
- Start number 131 was manually annotated 2 times for cluster A11.

Info for manual annotations of cluster A12:

- Start number 26 was manually annotated 5 times for cluster A12.

Info for manual annotations of cluster A14:

- Start number 208 was manually annotated 1 time for cluster A14.
- Start number 209 was manually annotated 3 times for cluster A14.
- Start number 215 was manually annotated 1 time for cluster A14.

Info for manual annotations of cluster A15:

- Start number 129 was manually annotated 1 time for cluster A15.
- Start number 134 was manually annotated 4 times for cluster A15.
- Start number 149 was manually annotated 1 time for cluster A15.
- Start number 188 was manually annotated 18 times for cluster A15.

Info for manual annotations of cluster A16:

- Start number 3 was manually annotated 3 times for cluster A16.

Info for manual annotations of cluster A18:

- Start number 129 was manually annotated 1 time for cluster A18.

Info for manual annotations of cluster A19:

- Start number 35 was manually annotated 1 time for cluster A19.

Info for manual annotations of cluster A2:

- Start number 24 was manually annotated 1 time for cluster A2.
- Start number 116 was manually annotated 1 time for cluster A2.
- Start number 117 was manually annotated 5 times for cluster A2.
- Start number 120 was manually annotated 90 times for cluster A2.
- Start number 156 was manually annotated 2 times for cluster A2.
- Start number 209 was manually annotated 3 times for cluster A2.
- Start number 215 was manually annotated 4 times for cluster A2.

Info for manual annotations of cluster A20:

- Start number 16 was manually annotated 1 time for cluster A20.

Info for manual annotations of cluster A22:

- Start number 209 was manually annotated 1 time for cluster A22.

Info for manual annotations of cluster A3:

- Start number 33 was manually annotated 33 times for cluster A3.
- Start number 35 was manually annotated 83 times for cluster A3.

Info for manual annotations of cluster A4:

- Start number 165 was manually annotated 118 times for cluster A4.
- Start number 223 was manually annotated 23 times for cluster A4.
- Start number 228 was manually annotated 1 time for cluster A4.

- Start number 234 was manually annotated 1 time for cluster A4.

Info for manual annotations of cluster A5:

- Start number 1 was manually annotated 39 times for cluster A5.

Info for manual annotations of cluster A6:

- Start number 120 was manually annotated 1 time for cluster A6.
- Start number 128 was manually annotated 47 times for cluster A6.

Info for manual annotations of cluster A7:

- Start number 36 was manually annotated 4 times for cluster A7.
- Start number 60 was manually annotated 1 time for cluster A7.

Info for manual annotations of cluster A8:

- Start number 14 was manually annotated 12 times for cluster A8.

Info for manual annotations of cluster A9:

- Start number 21 was manually annotated 1 time for cluster A9.
- Start number 30 was manually annotated 1 time for cluster A9.
- Start number 51 was manually annotated 33 times for cluster A9.

Info for manual annotations of cluster CA:

- Start number 15 was manually annotated 35 times for cluster CA.
- Start number 159 was manually annotated 1 time for cluster CA.

Gene Information:

Gene: 20ES_26 Start: 16642, Stop: 19185, Start Num: 120

Candidate Starts for 20ES_26:

(43, 16390), (Start: 120 @16642 has 91 MA's), (203, 16822), (205, 16825), (216, 16855), (287, 16990), (292, 16999), (296, 17020), (299, 17029), (309, 17050), (321, 17083), (328, 17116), (353, 17209), (363, 17257), (366, 17275), (371, 17287), (376, 17308), (380, 17329), (383, 17350), (384, 17353), (425, 17539), (432, 17581), (435, 17590), (438, 17599), (453, 17656), (468, 17722), (475, 17761), (498, 17848), (538, 17947), (590, 18067), (593, 18076), (595, 18082), (597, 18091), (605, 18112), (614, 18136), (624, 18157), (648, 18178), (652, 18187), (662, 18217), (666, 18229), (673, 18244), (694, 18286), (740, 18379), (743, 18388), (753, 18415), (774, 18478), (827, 18661), (881, 18751), (887, 18760), (928, 18871), (935, 18901), (949, 18985),

Gene: 40AC_29 Start: 18647, Stop: 21385, Start Num: 128

Candidate Starts for 40AC_29:

(Start: 128 @18647 has 47 MA's), (163, 18758), (192, 18836), (212, 18860), (Start: 223 @18884 has 23 MA's), (285, 18989), (291, 18998), (298, 19028), (312, 19064), (335, 19145), (337, 19151), (338, 19154), (339, 19157), (360, 19265), (376, 19352), (378, 19364), (380, 19373), (395, 19457), (406, 19499), (431, 19595), (444, 19631), (461, 19673), (471, 19709), (478, 19736), (497, 19796), (580, 20042), (602, 20111), (608, 20123), (664, 20273), (718, 20399), (771, 20549), (774, 20561), (796, 20645), (854, 20831), (887, 20936), (899, 20966), (902, 20975), (928, 21074), (935, 21104), (947, 21170), (949, 21182), (981, 21323),

Gene: A6_22 Start: 15930, Stop: 18401, Start Num: 167

Candidate Starts for A6_22:

(Start: 167 @15930 has 215 MA's), (181, 15969), (211, 16032), (Start: 223 @16062 has 23 MA's), (229, 16083), (233, 16104), (236, 16116), (273, 16134), (280, 16158), (303, 16224), (312, 16251), (356, 16422), (362, 16455), (378, 16521), (440, 16776), (453, 16797), (460, 16824), (471, 16863), (549, 16983), (575, 17019), (610, 17112), (617, 17133), (642, 17190), (687, 17310), (703, 17346), (718, 17376), (732, 17412), (757, 17478), (765, 17499), (777, 17541), (808, 17640), (848, 17781), (857, 17802), (923, 18033), (937, 18114), (958, 18225), (975, 18312), (982, 18351), (984, 18366),

Gene: ACFishhook_27 Start: 16138, Stop: 19164, Start Num: 35

Candidate Starts for ACFishhook_27:

(29, 16084), (Start: 35 @16138 has 84 MA's), (57, 16252), (79, 16318), (81, 16321), (85, 16330), (97, 16366), (113, 16417), (141, 16489), (174, 16561), (218, 16681), (220, 16684), (243, 16753), (260, 16798), (299, 16891), (305, 16900), (321, 16945), (330, 16984), (337, 17008), (341, 17020), (349, 17053), (353, 17071), (357, 17092), (367, 17140), (369, 17146), (373, 17161), (376, 17170), (378, 17182), (380, 17191), (397, 17284), (421, 17371), (425, 17401), (426, 17404), (430, 17431), (432, 17443), (447, 17497), (453, 17518), (461, 17548), (468, 17584), (498, 17710), (520, 17764), (538, 17809), (570, 17857), (581, 17899), (582, 17908), (593, 17938), (618, 18010), (623, 18016), (644, 18037), (648, 18040), (654, 18052), (702, 18169), (706, 18178), (743, 18250), (744, 18253), (759, 18289), (765, 18310), (774, 18340), (775, 18343), (777, 18352), (828, 18535), (852, 18601), (855, 18613), (877, 18655), (894, 18718), (914, 18775), (927, 18844), (936, 18880), (950, 18961), (980, 19096), (981, 19108),

Gene: AFIS_24 Start: 16262, Stop: 18922, Start Num: 167

Candidate Starts for AFIS_24:

(Start: 167 @16262 has 215 MA's), (181, 16301), (211, 16364), (213, 16370), (Start: 223 @16394 has 23 MA's), (233, 16436), (356, 16745), (369, 16808), (380, 16853), (385, 16877), (400, 16952), (403, 16964), (504, 17285), (610, 17615), (629, 17666), (642, 17693), (719, 17897), (762, 18011), (765, 18020), (772, 18041), (777, 18062), (808, 18161), (819, 18203), (820, 18206), (860, 18335), (888, 18419), (904, 18464), (958, 18746), (975, 18833), (982, 18872), (984, 18887),

Gene: AN3_26 Start: 16626, Stop: 19163, Start Num: 120

Candidate Starts for AN3_26:

(Start: 120 @16626 has 91 MA's), (203, 16806), (205, 16809), (226, 16857), (287, 16968), (292, 16977), (296, 16998), (299, 17007), (309, 17028), (321, 17061), (328, 17094), (353, 17187), (363, 17235), (366, 17253), (371, 17265), (376, 17286), (380, 17307), (383, 17328), (384, 17331), (425, 17517), (432, 17559), (435, 17568), (453, 17634), (468, 17700), (472, 17727), (475, 17739), (498, 17826), (538, 17925), (590, 18045), (593, 18054), (595, 18060), (597, 18069), (605, 18090), (614, 18114), (624, 18135), (648, 18156), (651, 18162), (662, 18195), (666, 18207), (694, 18264), (743, 18366), (753, 18393), (774, 18456), (881, 18729), (887, 18738), (928, 18849), (935, 18879), (949, 18963),

Gene: AN9_29 Start: 16651, Stop: 19164, Start Num: 120

Candidate Starts for AN9_29:

(Start: 120 @16651 has 91 MA's), (203, 16831), (205, 16834), (261, 16945), (321, 17080), (336, 17140), (341, 17155), (348, 17185), (349, 17188), (366, 17272), (373, 17296), (379, 17320), (383, 17347), (384, 17350), (407, 17461), (425, 17536), (429, 17563), (432, 17578), (447, 17632), (453, 17653), (468, 17719), (470, 17737), (472, 17746), (498, 17845), (508, 17878), (515, 17887), (538, 17944), (546, 17959), (590, 18064), (648, 18175), (654, 18187), (657, 18193), (666, 18226), (723, 18346), (774, 18475), (778, 18490), (788, 18520), (792, 18532), (803, 18568), (842, 18682), (856, 18694), (879, 18736), (945, 18943), (948, 18961), (949, 18964), (989, 19150),

Gene: ANI8_29 Start: 16651, Stop: 19164, Start Num: 120

Candidate Starts for ANI8_29:

(Start: 120 @16651 has 91 MA's), (203, 16831), (205, 16834), (261, 16945), (321, 17080), (336, 17140), (341, 17155), (348, 17185), (349, 17188), (366, 17272), (373, 17296), (379, 17320), (383, 17347), (384, 17350), (407, 17461), (425, 17536), (429, 17563), (432, 17578), (447, 17632), (453, 17653), (468, 17719), (470, 17737), (472, 17746), (498, 17845), (508, 17878), (515, 17887), (538, 17944), (546, 17959), (590, 18064), (648, 18175), (654, 18187), (657, 18193), (666, 18226), (723, 18346), (774, 18475), (778, 18490), (788, 18520), (792, 18532), (803, 18568), (842, 18682), (856, 18694), (879, 18736), (945, 18943), (948, 18961), (949, 18964), (989, 19150),

Gene: AbbyPaige_28 Start: 17120, Stop: 19663, Start Num: 120

Candidate Starts for AbbyPaige_28:

(Start: 120 @17120 has 91 MA's), (203, 17300), (205, 17303), (216, 17333), (289, 17471), (292, 17477), (296, 17498), (299, 17507), (305, 17516), (309, 17528), (324, 17573), (328, 17594), (341, 17636), (353, 17687), (362, 17732), (363, 17735), (366, 17753), (376, 17786), (378, 17798), (380, 17807), (383, 17828), (384, 17831), (401, 17918), (425, 18017), (432, 18059), (435, 18068), (438, 18077), (453, 18134), (468, 18200), (475, 18239), (501, 18332), (515, 18368), (538, 18425), (577, 18491), (582, 18524), (587, 18539), (590, 18545), (593, 18554), (597, 18569), (605, 18590), (613, 18611), (623, 18632), (624, 18635), (644, 18653), (648, 18656), (666, 18707), (694, 18764), (701, 18782), (712, 18806), (743, 18866), (753, 18893), (774, 18956), (788, 19001), (827, 19139), (881, 19229), (887, 19238), (908, 19262), (926, 19340), (928, 19349), (935, 19379), (949, 19463),

Gene: AbbysRanger_25 Start: 15899, Stop: 18499, Start Num: 165

Candidate Starts for AbbysRanger_25:

(Start: 165 @15899 has 118 MA's), (271, 16241), (284, 16289), (304, 16346), (333, 16451), (337, 16466), (341, 16478), (356, 16541), (380, 16649), (383, 16670), (387, 16691), (506, 17042), (533, 17093), (566, 17138), (610, 17249), (612, 17255), (658, 17351), (669, 17387), (686, 17423), (705, 17471), (749, 17588), (785, 17702), (828, 17867), (836, 17885), (878, 17999), (882, 18011), (913, 18101), (931, 18194), (944, 18266), (946, 18275), (958, 18335), (960, 18344), (980, 18431), (986, 18479),

Gene: Abbysshoes_25 Start: 16660, Stop: 19059, Start Num: 167

Candidate Starts for Abbysshoes_25:

(Start: 167 @16660 has 215 MA's), (181, 16699), (211, 16762), (Start: 223 @16792 has 23 MA's), (229, 16813), (233, 16834), (236, 16846), (246, 16864), (288, 16909), (303, 16954), (356, 17152), (362, 17185), (378, 17251), (452, 17506), (459, 17527), (464, 17554), (483, 17593), (537, 17650), (567, 17680), (645, 17842), (711, 17995), (718, 18007), (726, 18022), (763, 18139), (777, 18184), (782, 18205), (784, 18208), (823, 18358), (828, 18373), (848, 18439), (864, 18481), (923, 18691), (937, 18772), (958, 18883), (975, 18970), (982, 19009), (984, 19024),

Gene: Abdiel_24 Start: 15882, Stop: 18482, Start Num: 165

Candidate Starts for Abdiel_24:

(Start: 165 @15882 has 118 MA's), (Start: 223 @16023 has 23 MA's), (Start: 228 @16041 has 10 MA's), (278, 16248), (291, 16287), (298, 16317), (325, 16401), (333, 16434), (341, 16461), (356, 16524), (369, 16587), (380, 16632), (387, 16674), (405, 16758), (506, 17025), (533, 17076), (566, 17121), (595, 17199), (612, 17238), (686, 17406), (695, 17427), (704, 17451), (730, 17511), (731, 17517), (732, 17520), (749, 17571), (765, 17619), (785, 17685), (828, 17850), (836, 17868), (882, 17994), (943, 18246), (944, 18249), (946, 18258), (958, 18318), (980, 18414), (986, 18462),

Gene: Abrogate_250 Start: 17018, Stop: 19597, Start Num: 167

Candidate Starts for Abrogate_250:

(Start: 167 @17018 has 215 MA's), (181, 17057), (211, 17120), (Start: 223 @17150 has 23 MA's), (273, 17234), (328, 17405), (369, 17573), (380, 17618), (384, 17642), (387, 17660), (482, 17972), (559, 18128), (588, 18230), (599, 18263), (624, 18335), (642, 18374), (672, 18461), (718, 18560), (757, 18662), (765, 18683), (770, 18695), (777, 18725), (808, 18824), (823, 18887), (892, 19106),

(903, 19139), (958, 19421), (975, 19508), (982, 19547), (984, 19562),

Gene: Achebe_24 Start: 15879, Stop: 18479, Start Num: 165

Candidate Starts for Achebe_24:

(Start: 165 @15879 has 118 MA's), (284, 16269), (325, 16398), (333, 16431), (341, 16458), (356, 16521), (380, 16629), (412, 16764), (471, 16962), (519, 17049), (533, 17073), (566, 17118), (610, 17229), (612, 17235), (686, 17403), (705, 17451), (730, 17508), (749, 17568), (765, 17616), (775, 17649), (785, 17682), (791, 17700), (828, 17847), (836, 17865), (882, 17991), (913, 18081), (932, 18180), (944, 18246), (946, 18255), (958, 18315), (960, 18324), (965, 18360), (972, 18378), (980, 18411), (986, 18459),

Gene: Acme_26 Start: 16689, Stop: 19160, Start Num: 167

Candidate Starts for Acme_26:

(Start: 167 @16689 has 215 MA's), (181, 16728), (211, 16791), (Start: 223 @16821 has 23 MA's), (229, 16842), (233, 16863), (236, 16875), (273, 16893), (280, 16917), (324, 17055), (333, 17091), (356, 17181), (362, 17214), (378, 17280), (440, 17535), (453, 17556), (460, 17583), (462, 17598), (498, 17679), (549, 17742), (575, 17778), (610, 17871), (617, 17892), (623, 17907), (630, 17928), (632, 17931), (659, 18000), (672, 18036), (687, 18069), (703, 18105), (718, 18135), (732, 18171), (757, 18237), (765, 18258), (808, 18399), (848, 18540), (857, 18561), (901, 18696), (937, 18873), (958, 18984), (970, 19050), (975, 19071), (982, 19110), (984, 19125),

Gene: Acolyte_26 Start: 16749, Stop: 19700, Start Num: 24

Candidate Starts for Acolyte_26:

(Start: 24 @16749 has 1 MA's), (27, 16767), (40, 16872), (49, 16929), (53, 16941), (55, 16959), (80, 17031), (106, 17115), (190, 17310), (214, 17358), (226, 17382), (293, 17523), (300, 17550), (305, 17565), (316, 17598), (321, 17610), (336, 17670), (341, 17685), (352, 17727), (362, 17781), (363, 17784), (376, 17835), (378, 17847), (380, 17856), (383, 17877), (425, 18066), (429, 18093), (432, 18108), (447, 18162), (453, 18183), (468, 18249), (473, 18279), (482, 18324), (520, 18429), (522, 18441), (545, 18486), (570, 18522), (586, 18585), (605, 18639), (623, 18681), (644, 18702), (648, 18705), (658, 18726), (691, 18810), (694, 18813), (712, 18855), (774, 19005), (782, 19038), (788, 19050), (792, 19062), (803, 19098), (842, 19212), (881, 19281),

Gene: Adahisdi_25 Start: 16587, Stop: 19067, Start Num: 167

Candidate Starts for Adahisdi_25:

(Start: 167 @16587 has 215 MA's), (181, 16626), (211, 16689), (Start: 223 @16719 has 23 MA's), (233, 16761), (327, 16968), (333, 16986), (356, 17076), (369, 17139), (376, 17163), (378, 17175), (387, 17226), (537, 17610), (592, 17712), (606, 17751), (614, 17778), (623, 17802), (718, 18030), (757, 18132), (765, 18153), (777, 18195), (808, 18294), (823, 18357), (892, 18576), (903, 18609), (958, 18891), (975, 18978), (982, 19017), (986, 19047),

Gene: Adzzy_27 Start: 15361, Stop: 17886, Start Num: 117

Candidate Starts for Adzzy_27:

(Start: 117 @15361 has 5 MA's), (124, 15379), (175, 15484), (200, 15550), (203, 15553), (205, 15556), (216, 15586), (310, 15775), (321, 15805), (328, 15838), (329, 15841), (341, 15880), (353, 15931), (362, 15976), (366, 15997), (376, 16030), (379, 16045), (380, 16051), (383, 16072), (425, 16261), (429, 16288), (432, 16303), (447, 16357), (450, 16369), (453, 16378), (468, 16444), (538, 16669), (546, 16684), (575, 16726), (586, 16780), (590, 16789), (598, 16816), (605, 16834), (618, 16870), (644, 16897), (648, 16900), (662, 16939), (666, 16951), (706, 17038), (743, 17110), (753, 17137), (769, 17179), (774, 17200), (788, 17245), (842, 17407), (881, 17470), (930, 17596), (945, 17668), (949, 17689), (962, 17764), (977, 17800),

Gene: Aeneas_26 Start: 16694, Stop: 19174, Start Num: 167

Candidate Starts for Aeneas_26:

(Start: 167 @16694 has 215 MA's), (181, 16733), (211, 16796), (Start: 223 @16826 has 23 MA's), (233, 16868), (327, 17075), (333, 17093), (356, 17183), (369, 17246), (376, 17270), (378, 17282), (387, 17333), (537, 17717), (592, 17819), (606, 17858), (610, 17873), (623, 17909), (672, 18038), (718, 18137), (757, 18239), (765, 18260), (770, 18272), (777, 18302), (808, 18401), (823, 18464), (892, 18683), (903, 18716), (958, 18998), (975, 19085), (982, 19124), (984, 19139),

Gene: Agaliana_25 Start: 16638, Stop: 19118, Start Num: 167

Candidate Starts for Agaliana_25:

(Start: 167 @16638 has 215 MA's), (181, 16677), (211, 16740), (Start: 223 @16770 has 23 MA's), (233, 16812), (327, 17019), (333, 17037), (356, 17127), (369, 17190), (376, 17214), (378, 17226), (387, 17277), (537, 17661), (592, 17763), (606, 17802), (610, 17817), (614, 17829), (623, 17853), (718, 18081), (757, 18183), (765, 18204), (770, 18216), (777, 18246), (808, 18345), (823, 18408), (892, 18627), (903, 18660), (958, 18942), (970, 19008), (975, 19029), (982, 19068), (984, 19083),

Gene: Agape74_28 Start: 17096, Stop: 19639, Start Num: 120

Candidate Starts for Agape74_28:

(Start: 120 @17096 has 91 MA's), (203, 17276), (205, 17279), (289, 17447), (292, 17453), (296, 17474), (299, 17483), (305, 17492), (309, 17504), (324, 17549), (328, 17570), (341, 17612), (353, 17663), (362, 17708), (363, 17711), (366, 17729), (376, 17762), (378, 17774), (380, 17783), (383, 17804), (384, 17807), (401, 17894), (425, 17993), (432, 18035), (435, 18044), (438, 18053), (453, 18110), (468, 18176), (475, 18215), (501, 18308), (515, 18344), (538, 18401), (577, 18467), (582, 18500), (587, 18515), (590, 18521), (593, 18530), (597, 18545), (605, 18566), (613, 18587), (623, 18608), (624, 18611), (644, 18629), (648, 18632), (666, 18683), (694, 18740), (701, 18758), (712, 18782), (743, 18842), (753, 18869), (774, 18932), (788, 18977), (827, 19115), (881, 19205), (887, 19214), (908, 19238), (928, 19325), (935, 19355), (949, 19439),

Gene: AgentM_22 Start: 15319, Stop: 18660, Start Num: 1

Candidate Starts for AgentM_22:

(Start: 1 @15319 has 39 MA's), (32, 15757), (Start: 129 @16069 has 2 MA's), (152, 16147), (Start: 161 @16177 has 8 MA's), (184, 16234), (236, 16381), (240, 16387), (243, 16393), (312, 16519), (316, 16531), (356, 16681), (363, 16717), (369, 16747), (373, 16762), (380, 16792), (381, 16804), (386, 16828), (399, 16897), (423, 16963), (473, 17119), (506, 17188), (507, 17191), (524, 17218), (541, 17242), (589, 17380), (598, 17401), (614, 17446), (634, 17488), (722, 17680), (731, 17710), (742, 17734), (745, 17746), (751, 17767), (768, 17809), (794, 17896), (808, 17932), (812, 17953), (819, 17974), (843, 18052), (852, 18073), (857, 18094), (864, 18115), (872, 18136), (880, 18160), (902, 18223), (925, 18316), (928, 18334), (943, 18415), (946, 18427), (948, 18439), (950, 18448), (961, 18502), (979, 18586), (980, 18595),

Gene: Aglet_27 Start: 15980, Stop: 19006, Start Num: 35

Candidate Starts for Aglet_27:

(29, 15926), (Start: 35 @15980 has 84 MA's), (57, 16094), (79, 16160), (81, 16163), (85, 16172), (97, 16208), (113, 16259), (141, 16331), (174, 16403), (218, 16523), (220, 16526), (243, 16595), (260, 16640), (299, 16733), (305, 16742), (311, 16760), (321, 16787), (337, 16850), (341, 16862), (349, 16895), (353, 16913), (366, 16979), (367, 16982), (369, 16988), (373, 17003), (376, 17012), (378, 17024), (380, 17033), (397, 17126), (425, 17243), (426, 17246), (430, 17273), (432, 17285), (447, 17339), (453, 17360), (468, 17426), (475, 17465), (501, 17558), (520, 17606), (538, 17651), (570, 17699), (581, 17741), (582, 17750), (593, 17780), (594, 17783), (597, 17795), (618, 17852), (623, 17858), (644, 17879), (648, 17882), (706, 18020), (712, 18032), (743, 18092), (759, 18131), (808, 18287), (812, 18308), (817, 18332), (828, 18377), (836, 18395), (852, 18443), (855, 18455), (877, 18497), (894, 18560), (914, 18617), (927, 18686), (936, 18722), (950, 18803), (980, 18938),

Gene: AgronaGT15_27 Start: 15887, Stop: 18913, Start Num: 35

Candidate Starts for AgronaGT15_27:

(29, 15833), (Start: 35 @15887 has 84 MA's), (57, 16001), (79, 16067), (81, 16070), (85, 16079), (97, 16115), (113, 16166), (141, 16238), (174, 16310), (218, 16430), (220, 16433), (243, 16502), (260, 16547), (299, 16640), (305, 16649), (311, 16667), (321, 16694), (337, 16757), (341, 16769), (349, 16802), (353, 16820), (366, 16886), (367, 16889), (369, 16895), (373, 16910), (376, 16919), (378, 16931), (380, 16940), (393, 17018), (397, 17033), (425, 17150), (426, 17153), (430, 17180), (432, 17192), (447, 17246), (453, 17267), (468, 17333), (475, 17372), (501, 17465), (520, 17513), (538, 17558), (570, 17606), (581, 17648), (582, 17657), (593, 17687), (594, 17690), (597, 17702), (618, 17759), (623, 17765), (644, 17786), (648, 17789), (706, 17927), (712, 17939), (743, 17999), (763, 18056), (808, 18194), (812, 18215), (817, 18239), (828, 18284), (836, 18302), (852, 18350), (855, 18362), (877, 18404), (894, 18467), (914, 18524), (927, 18593), (936, 18629), (950, 18710), (980, 18845),

Gene: Airmid_22 Start: 15088, Stop: 17901, Start Num: 1

Candidate Starts for Airmid_22:

(Start: 1 @15088 has 39 MA's), (9, 15277), (94, 15625), (Start: 129 @15760 has 2 MA's), (132, 15766), (224, 15859), (243, 15910), (284, 15946), (315, 16036), (331, 16102), (337, 16123), (356, 16198), (362, 16231), (376, 16285), (381, 16318), (384, 16330), (405, 16429), (419, 16462), (458, 16591), (561, 16756), (582, 16789), (614, 16822), (668, 16903), (674, 16912), (678, 16915), (733, 17026), (737, 17035), (763, 17101), (768, 17110), (808, 17173), (819, 17215), (839, 17287), (852, 17314), (856, 17329), (864, 17356), (872, 17377), (902, 17464), (911, 17494), (925, 17557), (943, 17656), (946, 17668), (948, 17680), (950, 17689), (980, 17836),

Gene: Ajay_24 Start: 16404, Stop: 18875, Start Num: 167

Candidate Starts for Ajay_24:

(Start: 167 @16404 has 215 MA's), (181, 16443), (211, 16506), (Start: 223 @16536 has 23 MA's), (229, 16557), (233, 16578), (273, 16608), (280, 16632), (303, 16698), (356, 16896), (362, 16929), (378, 16995), (440, 17250), (453, 17271), (460, 17298), (549, 17457), (575, 17493), (610, 17586), (617, 17607), (623, 17622), (630, 17643), (632, 17646), (659, 17715), (672, 17751), (687, 17784), (703, 17820), (718, 17850), (732, 17886), (757, 17952), (765, 17973), (808, 18114), (848, 18255), (857, 18276), (901, 18411), (937, 18588), (958, 18699), (975, 18786), (982, 18825),

Gene: Alatin_21 Start: 12124, Stop: 15471, Start Num: 15

Candidate Starts for Alatin_21:

(Start: 15 @12124 has 35 MA's), (17, 12142), (31, 12265), (37, 12286), (42, 12307), (47, 12337), (94, 12451), (107, 12499), (126, 12547), (127, 12556), (Start: 159 @12631 has 1 MA's), (173, 12652), (180, 12673), (183, 12679), (197, 12727), (232, 12799), (245, 12838), (251, 12847), (276, 12901), (294, 12955), (296, 12961), (312, 13000), (323, 13033), (333, 13072), (348, 13129), (373, 13240), (378, 13261), (380, 13270), (387, 13312), (397, 13363), (399, 13375), (420, 13447), (421, 13450), (432, 13522), (435, 13531), (441, 13555), (448, 13579), (450, 13588), (452, 13594), (453, 13597), (456, 13606), (458, 13618), (467, 13660), (472, 13690), (477, 13714), (481, 13735), (489, 13759), (504, 13804), (522, 13855), (528, 13867), (531, 13870), (538, 13888), (546, 13903), (577, 13954), (590, 14008), (652, 14131), (661, 14158), (670, 14182), (684, 14209), (700, 14245), (713, 14275), (750, 14359), (776, 14440), (790, 14485), (792, 14497), (793, 14506), (795, 14515), (798, 14521), (799, 14527), (808, 14548), (837, 14662), (842, 14683), (865, 14728), (884, 14782), (897, 14827), (915, 14899), (921, 14923), (929, 14968), (933, 14986), (945, 15061), (950, 15094), (959, 15136), (973, 15214), (978, 15229), (981, 15253), (992, 15409), (993, 15421), (994, 15427),

Gene: Albee_25 Start: 15885, Stop: 18485, Start Num: 165

Candidate Starts for Albee_25:

(Start: 165 @15885 has 118 MA's), (Start: 223 @16026 has 23 MA's), (Start: 228 @16044 has 10 MA's), (278, 16251), (291, 16290), (298, 16320), (333, 16437), (341, 16464), (356, 16527), (369, 16590), (380, 16635), (387, 16677), (405, 16761), (471, 16968), (506, 17028), (533, 17079), (566, 17124), (595, 17202), (612, 17241), (619, 17262), (686, 17409), (695, 17430), (704, 17454), (731,

17520), (749, 17574), (765, 17622), (785, 17688), (828, 17853), (836, 17871), (882, 17997), (943, 18249), (944, 18252), (946, 18261), (958, 18321), (980, 18417), (986, 18465),

Gene: Alberto7_26 Start: 16187, Stop: 18787, Start Num: 165

Candidate Starts for Alberto7_26:

(Start: 165 @16187 has 118 MA's), (Start: 223 @16328 has 23 MA's), (Start: 228 @16346 has 10 MA's), (278, 16553), (291, 16592), (298, 16622), (333, 16739), (341, 16766), (356, 16829), (369, 16892), (380, 16937), (387, 16979), (405, 17063), (506, 17330), (533, 17381), (566, 17426), (595, 17504), (610, 17537), (612, 17543), (619, 17564), (686, 17711), (695, 17732), (704, 17756), (731, 17822), (749, 17876), (765, 17924), (785, 17990), (828, 18155), (836, 18173), (882, 18299), (943, 18551), (944, 18554), (946, 18563), (958, 18623), (980, 18719), (986, 18767),

Gene: Aldrich_25 Start: 17195, Stop: 19666, Start Num: 167

Candidate Starts for Aldrich_25:

(Start: 167 @17195 has 215 MA's), (181, 17234), (211, 17297), (Start: 223 @17327 has 23 MA's), (229, 17348), (233, 17369), (236, 17381), (273, 17399), (280, 17423), (303, 17489), (356, 17687), (362, 17720), (378, 17786), (440, 18041), (453, 18062), (460, 18089), (498, 18185), (533, 18215), (549, 18248), (575, 18284), (610, 18377), (617, 18398), (642, 18455), (687, 18575), (703, 18611), (718, 18641), (732, 18677), (757, 18743), (765, 18764), (777, 18806), (808, 18905), (848, 19046), (857, 19067), (901, 19202), (958, 19490), (975, 19577), (982, 19616),

Gene: Aliter_27 Start: 17518, Stop: 20427, Start Num: 51

Candidate Starts for Aliter_27:

(Start: 51 @17518 has 33 MA's), (54, 17530), (70, 17590), (127, 17749), (153, 17812), (182, 17875), (194, 17917), (220, 17974), (301, 18184), (305, 18190), (310, 18205), (336, 18295), (337, 18298), (341, 18310), (352, 18352), (362, 18406), (380, 18481), (383, 18502), (384, 18505), (387, 18523), (399, 18586), (419, 18652), (425, 18691), (429, 18718), (432, 18733), (440, 18763), (447, 18787), (450, 18799), (453, 18808), (468, 18874), (475, 18913), (493, 18979), (501, 19006), (508, 19033), (538, 19099), (569, 19144), (590, 19219), (605, 19264), (613, 19285), (623, 19306), (624, 19309), (644, 19327), (648, 19330), (659, 19357), (694, 19438), (712, 19480), (774, 19630), (778, 19645), (788, 19675), (805, 19726), (827, 19813), (830, 19822), (846, 19873), (877, 19936), (882, 19957), (893, 19993), (908, 20029), (909, 20035), (927, 20113), (934, 20140), (944, 20200), (958, 20269), (962, 20299), (968, 20326), (981, 20365), (987, 20407),

Gene: Alma_27 Start: 17597, Stop: 20506, Start Num: 51

Candidate Starts for Alma_27:

(Start: 51 @17597 has 33 MA's), (54, 17609), (70, 17669), (153, 17891), (182, 17954), (194, 17996), (218, 18050), (220, 18053), (233, 18092), (301, 18263), (305, 18269), (310, 18284), (336, 18374), (337, 18377), (341, 18389), (352, 18431), (362, 18485), (366, 18506), (380, 18560), (383, 18581), (384, 18584), (387, 18602), (399, 18665), (419, 18731), (425, 18770), (429, 18797), (432, 18812), (440, 18842), (447, 18866), (450, 18878), (453, 18887), (468, 18953), (475, 18992), (493, 19058), (501, 19085), (508, 19112), (569, 19223), (590, 19298), (597, 19322), (605, 19343), (613, 19364), (623, 19385), (624, 19388), (644, 19406), (648, 19409), (659, 19436), (684, 19496), (698, 19526), (712, 19559), (727, 19589), (736, 19601), (774, 19709), (778, 19724), (788, 19754), (805, 19805), (827, 19892), (830, 19901), (846, 19952), (877, 20015), (882, 20036), (893, 20072), (908, 20108), (909, 20114), (927, 20192), (934, 20219), (958, 20348), (962, 20378), (968, 20405), (981, 20444), (987, 20486),

Gene: Alpacados_20 Start: 12060, Stop: 15407, Start Num: 15

Candidate Starts for Alpacados_20:

(Start: 15 @12060 has 35 MA's), (17, 12078), (31, 12201), (37, 12222), (42, 12243), (47, 12273), (63, 12312), (94, 12387), (126, 12483), (127, 12492), (Start: 159 @12567 has 1 MA's), (173, 12588), (180, 12609), (183, 12615), (197, 12663), (232, 12735), (245, 12774), (251, 12783), (276, 12837), (296,

12897), (312, 12936), (323, 12969), (333, 13008), (348, 13065), (373, 13176), (378, 13197), (380, 13206), (387, 13248), (397, 13299), (399, 13311), (420, 13383), (421, 13386), (432, 13458), (435, 13467), (446, 13509), (448, 13515), (453, 13533), (456, 13542), (458, 13554), (467, 13596), (472, 13626), (481, 13671), (489, 13695), (504, 13740), (522, 13791), (528, 13803), (531, 13806), (538, 13824), (546, 13839), (577, 13890), (590, 13944), (603, 13986), (627, 14040), (640, 14043), (659, 14085), (700, 14181), (713, 14211), (750, 14295), (779, 14385), (790, 14421), (792, 14433), (793, 14442), (795, 14451), (798, 14457), (804, 14475), (808, 14484), (837, 14598), (842, 14619), (852, 14640), (865, 14664), (884, 14718), (897, 14763), (915, 14835), (921, 14859), (929, 14904), (933, 14922), (945, 14997), (950, 15030), (959, 15072), (978, 15165), (981, 15189), (992, 15345), (994, 15363),

Gene: Alsfro_28 Start: 17131, Stop: 19605, Start Num: 167

Candidate Starts for Alsfro_28:

(Start: 167 @17131 has 215 MA's), (181, 17170), (202, 17215), (211, 17233), (213, 17239), (Start: 223 @17263 has 23 MA's), (233, 17305), (327, 17506), (333, 17524), (356, 17614), (369, 17677), (376, 17701), (378, 17713), (387, 17764), (527, 18127), (537, 18148), (592, 18250), (606, 18289), (614, 18316), (623, 18340), (672, 18469), (718, 18568), (740, 18622), (757, 18670), (765, 18691), (777, 18733), (797, 18808), (808, 18832), (823, 18895), (872, 19048), (892, 19114), (903, 19147), (958, 19429), (975, 19516), (982, 19555), (984, 19570),

Gene: Altman_26 Start: 17183, Stop: 19663, Start Num: 167

Candidate Starts for Altman_26:

(Start: 167 @17183 has 215 MA's), (181, 17222), (211, 17285), (213, 17291), (Start: 223 @17315 has 23 MA's), (233, 17357), (327, 17564), (333, 17582), (356, 17672), (369, 17735), (376, 17759), (378, 17771), (387, 17822), (537, 18206), (592, 18308), (606, 18347), (614, 18374), (623, 18398), (672, 18527), (718, 18626), (757, 18728), (765, 18749), (770, 18761), (777, 18791), (808, 18890), (823, 18953), (892, 19172), (903, 19205), (958, 19487), (970, 19553), (975, 19574), (982, 19613), (984, 19628),

Gene: Alvin_25 Start: 16904, Stop: 19375, Start Num: 167

Candidate Starts for Alvin_25:

(Start: 167 @16904 has 215 MA's), (181, 16943), (211, 17006), (Start: 223 @17036 has 23 MA's), (229, 17057), (233, 17078), (236, 17090), (273, 17108), (280, 17132), (303, 17198), (356, 17396), (362, 17429), (378, 17495), (440, 17750), (453, 17771), (460, 17798), (549, 17957), (575, 17993), (610, 18086), (617, 18107), (642, 18164), (687, 18284), (703, 18320), (718, 18350), (732, 18386), (757, 18452), (765, 18473), (777, 18515), (808, 18614), (848, 18755), (857, 18776), (923, 19007), (937, 19088), (958, 19199), (975, 19286), (982, 19325), (986, 19355),

Gene: Anaysia_28 Start: 15755, Stop: 18112, Start Num: 134

Candidate Starts for Anaysia_28:

(Start: 129 @15746 has 2 MA's), (Start: 134 @15755 has 4 MA's), (Start: 188 @15923 has 18 MA's), (310, 16166), (312, 16172), (332, 16241), (347, 16298), (380, 16442), (387, 16484), (396, 16532), (397, 16535), (428, 16646), (431, 16664), (473, 16769), (495, 16817), (563, 16922), (585, 16982), (611, 17036), (633, 17072), (646, 17096), (648, 17105), (671, 17168), (685, 17189), (692, 17204), (705, 17228), (710, 17240), (741, 17294), (746, 17315), (761, 17345), (833, 17516), (839, 17537), (872, 17621), (950, 17924), (980, 18047), (981, 18059),

Gene: Aneem_26 Start: 17163, Stop: 19709, Start Num: 125

Candidate Starts for Aneem_26:

(Start: 125 @17163 has 22 MA's), (Start: 131 @17181 has 2 MA's), (Start: 188 @17355 has 18 MA's), (192, 17364), (233, 17439), (291, 17493), (308, 17547), (313, 17562), (314, 17565), (321, 17583), (337, 17646), (341, 17658), (356, 17721), (369, 17784), (373, 17799), (376, 17808), (380, 17829), (384, 17853), (387, 17868), (408, 17955), (410, 17958), (416, 17973), (422, 17994), (424, 18006),

(440, 18072), (462, 18135), (464, 18144), (473, 18168), (503, 18249), (506, 18258), (510, 18270), (522, 18312), (562, 18369), (580, 18423), (618, 18531), (638, 18570), (698, 18711), (742, 18807), (746, 18828), (760, 18861), (773, 18894), (774, 18897), (807, 18981), (819, 19026), (820, 19029), (854, 19143), (864, 19176), (888, 19248), (902, 19284), (919, 19356), (935, 19434), (944, 19488), (949, 19512), (959, 19560), (976, 19623),

Gene: Anglerfish_25 Start: 17554, Stop: 19554, Start Num: 167

Candidate Starts for Anglerfish_25:

(Start: 167 @17554 has 215 MA's), (181, 17593), (211, 17656), (Start: 223 @17686 has 23 MA's), (229, 17707), (277, 17767), (307, 17863), (327, 17932), (331, 17944), (356, 18040), (362, 18073), (419, 18307), (575, 18595), (627, 18697), (665, 18787), (685, 18829), (713, 18883), (718, 18895), (726, 18910), (731, 18928), (736, 18940), (777, 19048), (808, 19144), (870, 19354), (918, 19504),

Gene: AngryOrchard_20 Start: 12043, Stop: 15390, Start Num: 15

Candidate Starts for AngryOrchard_20:

(Start: 15 @12043 has 35 MA's), (17, 12061), (31, 12184), (37, 12205), (42, 12226), (47, 12256), (63, 12295), (94, 12370), (126, 12466), (127, 12475), (Start: 159 @12550 has 1 MA's), (173, 12571), (180, 12592), (183, 12598), (197, 12646), (232, 12718), (245, 12757), (251, 12766), (276, 12820), (296, 12880), (312, 12919), (323, 12952), (333, 12991), (348, 13048), (373, 13159), (378, 13180), (380, 13189), (387, 13231), (397, 13282), (399, 13294), (420, 13366), (421, 13369), (432, 13441), (435, 13450), (441, 13474), (453, 13516), (456, 13525), (458, 13537), (467, 13579), (472, 13609), (481, 13654), (489, 13678), (504, 13723), (516, 13753), (522, 13774), (528, 13786), (531, 13789), (538, 13807), (546, 13822), (577, 13873), (603, 13969), (623, 14014), (627, 14023), (640, 14026), (659, 14068), (700, 14164), (713, 14194), (750, 14278), (761, 14305), (781, 14380), (793, 14425), (795, 14434), (806, 14461), (837, 14581), (868, 14656), (884, 14701), (897, 14746), (915, 14818), (921, 14842), (929, 14887), (933, 14905), (945, 14980), (950, 15013), (959, 15055), (978, 15148), (981, 15172), (992, 15328), (994, 15346),

Gene: AnnaL29_29 Start: 18479, Stop: 20977, Start Num: 120

Candidate Starts for AnnaL29_29:

(Start: 120 @18479 has 91 MA's), (181, 18608), (195, 18647), (216, 18692), (292, 18794), (296, 18815), (305, 18833), (317, 18869), (341, 18953), (353, 19004), (367, 19073), (369, 19079), (373, 19094), (376, 19103), (378, 19115), (380, 19124), (425, 19334), (429, 19361), (432, 19376), (447, 19430), (453, 19451), (468, 19517), (475, 19556), (481, 19589), (492, 19619), (538, 19742), (546, 19757), (568, 19784), (587, 19856), (593, 19871), (595, 19877), (597, 19886), (613, 19928), (618, 19943), (624, 19952), (648, 19973), (651, 19979), (662, 20012), (673, 20039), (688, 20069), (694, 20081), (706, 20111), (712, 20123), (753, 20210), (765, 20243), (774, 20273), (782, 20306), (788, 20318), (792, 20330), (827, 20456), (879, 20537), (881, 20546), (887, 20555), (928, 20666), (935, 20696), (949, 20777), (981, 20918),

Gene: Annyong_25 Start: 15886, Stop: 18486, Start Num: 165

Candidate Starts for Annyong_25:

(Start: 165 @15886 has 118 MA's), (Start: 223 @16027 has 23 MA's), (Start: 228 @16045 has 10 MA's), (278, 16252), (291, 16291), (298, 16321), (333, 16438), (341, 16465), (356, 16528), (369, 16591), (380, 16636), (387, 16678), (405, 16762), (506, 17029), (533, 17080), (566, 17125), (595, 17203), (610, 17236), (612, 17242), (658, 17338), (660, 17347), (686, 17410), (695, 17431), (705, 17458), (730, 17515), (731, 17521), (749, 17575), (765, 17623), (785, 17689), (828, 17854), (836, 17872), (882, 17998), (943, 18250), (944, 18253), (946, 18262), (958, 18322), (980, 18418), (986, 18466),

Gene: Anon_26 Start: 16290, Stop: 18746, Start Num: 149

Candidate Starts for Anon_26:

(62, 15978), (64, 15987), (78, 16038), (83, 16047), (88, 16068), (Start: 149 @16290 has 1 MA's), (155, 16311), (171, 16356), (178, 16383), (199, 16431), (230, 16509), (241, 16542), (243, 16545), (273, 16551), (295, 16620), (302, 16635), (303, 16638), (304, 16641), (309, 16656), (342, 16773), (356, 16827), (362, 16860), (369, 16890), (373, 16905), (375, 16911), (376, 16914), (378, 16926), (388, 16977), (395, 17013), (399, 17034), (431, 17151), (482, 17268), (488, 17286), (490, 17289), (507, 17322), (542, 17370), (554, 17394), (699, 17739), (764, 17901), (773, 17922), (794, 17976), (844, 18135), (848, 18153), (852, 18162), (857, 18183), (872, 18225), (876, 18237), (922, 18402), (935, 18474), (952, 18561), (953, 18567), (980, 18678),

Gene: Anselm_26 Start: 16722, Stop: 19259, Start Num: 120

Candidate Starts for Anselm_26:

(Start: 120 @16722 has 91 MA's), (203, 16902), (205, 16905), (216, 16935), (292, 17073), (296, 17094), (299, 17103), (309, 17124), (321, 17157), (341, 17232), (353, 17283), (362, 17328), (363, 17331), (366, 17349), (376, 17382), (378, 17394), (380, 17403), (383, 17424), (384, 17427), (425, 17613), (432, 17655), (435, 17664), (438, 17673), (453, 17730), (468, 17796), (475, 17835), (501, 17928), (538, 18021), (582, 18120), (587, 18135), (590, 18141), (593, 18150), (597, 18165), (605, 18186), (613, 18207), (614, 18210), (624, 18231), (648, 18252), (651, 18258), (662, 18291), (666, 18303), (712, 18402), (743, 18462), (753, 18489), (774, 18552), (788, 18597), (827, 18735), (881, 18825), (887, 18834), (908, 18858), (928, 18945), (935, 18975), (949, 19059),

Gene: Anthony_25 Start: 14775, Stop: 17657, Start Num: 16

Candidate Starts for Anthony_25:

(Start: 14 @14736 has 12 MA's), (Start: 16 @14775 has 1 MA's), (38, 14934), (39, 14946), (46, 14979), (66, 15024), (74, 15045), (82, 15063), (84, 15072), (99, 15117), (110, 15165), (154, 15288), (201, 15381), (225, 15438), (232, 15468), (291, 15525), (316, 15603), (320, 15612), (325, 15630), (330, 15654), (339, 15684), (356, 15753), (369, 15819), (371, 15822), (376, 15843), (411, 15993), (484, 16209), (507, 16257), (555, 16338), (557, 16341), (610, 16503), (614, 16515), (653, 16596), (668, 16638), (713, 16728), (731, 16776), (745, 16809), (815, 16998), (821, 17010), (822, 17019), (841, 17082), (856, 17121), (857, 17127), (872, 17169), (904, 17247), (945, 17436), (948, 17454), (949, 17457), (958, 17502), (980, 17586), (986, 17634),

Gene: Anubis_29 Start: 15865, Stop: 18891, Start Num: 35

Candidate Starts for Anubis_29:

(29, 15811), (Start: 35 @15865 has 84 MA's), (57, 15979), (79, 16045), (81, 16048), (85, 16057), (97, 16093), (113, 16144), (141, 16216), (174, 16288), (218, 16408), (220, 16411), (243, 16480), (260, 16525), (299, 16618), (305, 16627), (311, 16645), (321, 16672), (337, 16735), (341, 16747), (349, 16780), (353, 16798), (366, 16864), (367, 16867), (369, 16873), (373, 16888), (376, 16897), (378, 16909), (380, 16918), (393, 16996), (397, 17011), (425, 17128), (426, 17131), (430, 17158), (432, 17170), (447, 17224), (453, 17245), (468, 17311), (475, 17350), (501, 17443), (520, 17491), (538, 17536), (570, 17584), (581, 17626), (582, 17635), (593, 17665), (594, 17668), (597, 17680), (618, 17737), (623, 17743), (644, 17764), (648, 17767), (706, 17905), (712, 17917), (743, 17977), (763, 18034), (808, 18172), (812, 18193), (817, 18217), (828, 18262), (836, 18280), (852, 18328), (855, 18340), (877, 18382), (894, 18445), (914, 18502), (927, 18571), (936, 18607), (950, 18688), (980, 18823),

Gene: AppleCloud_19 Start: 11777, Stop: 15436, Start Num: 15

Candidate Starts for AppleCloud_19:

(Start: 15 @11777 has 35 MA's), (37, 11939), (42, 11960), (61, 12062), (93, 12164), (122, 12278), (139, 12326), (140, 12332), (146, 12356), (166, 12428), (177, 12461), (253, 12752), (259, 12785), (268, 12833), (270, 12839), (294, 12920), (296, 12926), (299, 12935), (312, 12965), (320, 12986), (323, 12998), (333, 13037), (348, 13094), (373, 13205), (378, 13226), (380, 13235), (387, 13277), (397, 13328), (399, 13340), (420, 13412), (421, 13415), (432, 13487), (435, 13496), (440, 13517), (446, 13538), (448, 13544), (453, 13562), (456, 13571), (458, 13583), (467, 13625), (472, 13655),

(481, 13700), (489, 13724), (504, 13769), (522, 13820), (528, 13832), (531, 13835), (538, 13853), (546, 13868), (577, 13919), (603, 14015), (640, 14072), (652, 14096), (659, 14114), (661, 14123), (700, 14210), (738, 14288), (750, 14324), (761, 14351), (763, 14363), (781, 14426), (790, 14450), (793, 14471), (798, 14486), (799, 14492), (800, 14495), (804, 14504), (837, 14627), (846, 14660), (884, 14747), (896, 14789), (897, 14792), (915, 14864), (921, 14888), (925, 14909), (929, 14933), (933, 14951), (945, 15026), (950, 15059), (959, 15101), (979, 15197), (981, 15218), (990, 15269), (992, 15374), (994, 15392),

Gene: Applejack_24 Start: 16335, Stop: 18815, Start Num: 167

Candidate Starts for Applejack_24:

(Start: 167 @16335 has 215 MA's), (181, 16374), (211, 16437), (Start: 223 @16467 has 23 MA's), (233, 16509), (327, 16716), (333, 16734), (356, 16824), (369, 16887), (376, 16911), (378, 16923), (387, 16974), (537, 17358), (592, 17460), (606, 17499), (614, 17526), (623, 17550), (672, 17679), (718, 17778), (757, 17880), (765, 17901), (770, 17913), (777, 17943), (808, 18042), (823, 18105), (892, 18324), (903, 18357), (958, 18639), (975, 18726), (982, 18765), (984, 18780),

Gene: Aragog_22 Start: 15349, Stop: 18690, Start Num: 1

Candidate Starts for Aragog_22:

(Start: 1 @15349 has 39 MA's), (32, 15787), (Start: 129 @16099 has 2 MA's), (152, 16177), (Start: 161 @16207 has 8 MA's), (184, 16264), (236, 16411), (240, 16417), (243, 16423), (312, 16549), (316, 16561), (356, 16711), (363, 16747), (369, 16777), (373, 16792), (380, 16822), (381, 16834), (386, 16858), (399, 16927), (423, 16993), (473, 17149), (506, 17218), (507, 17221), (524, 17248), (541, 17272), (589, 17410), (598, 17431), (614, 17476), (634, 17518), (722, 17710), (731, 17740), (742, 17764), (745, 17776), (751, 17797), (768, 17839), (794, 17926), (808, 17962), (812, 17983), (819, 18004), (843, 18082), (852, 18103), (857, 18124), (864, 18145), (872, 18166), (880, 18190), (902, 18253), (925, 18346), (928, 18364), (943, 18445), (946, 18457), (948, 18469), (950, 18478), (961, 18532), (979, 18616), (980, 18625),

Gene: Arcanine_25 Start: 16570, Stop: 18570, Start Num: 167

Candidate Starts for Arcanine_25:

(Start: 167 @16570 has 215 MA's), (181, 16609), (211, 16672), (Start: 223 @16702 has 23 MA's), (229, 16723), (277, 16783), (307, 16879), (319, 16918), (327, 16948), (331, 16960), (356, 17056), (362, 17089), (419, 17323), (500, 17548), (575, 17611), (627, 17713), (630, 17725), (665, 17803), (685, 17845), (713, 17899), (718, 17911), (726, 17926), (731, 17944), (736, 17956), (770, 18034), (777, 18064), (790, 18109), (808, 18160), (870, 18370), (918, 18520),

Gene: ArcherNM_28 Start: 18421, Stop: 20922, Start Num: 120

Candidate Starts for ArcherNM_28:

(89, 18337), (Start: 120 @18421 has 91 MA's), (175, 18532), (181, 18550), (203, 18604), (211, 18619), (216, 18637), (219, 18643), (287, 18730), (296, 18760), (305, 18778), (341, 18898), (353, 18949), (367, 19018), (369, 19024), (373, 19039), (376, 19048), (378, 19060), (380, 19069), (425, 19279), (429, 19306), (432, 19321), (447, 19375), (453, 19396), (468, 19462), (475, 19501), (538, 19687), (568, 19729), (582, 19786), (587, 19801), (590, 19807), (593, 19816), (597, 19831), (605, 19852), (613, 19873), (644, 19915), (654, 19930), (662, 19957), (688, 20014), (694, 20026), (712, 20068), (743, 20128), (753, 20155), (763, 20185), (774, 20218), (788, 20263), (792, 20275), (879, 20482), (881, 20491), (887, 20500), (928, 20611), (935, 20641), (949, 20722), (980, 20851),

Gene: Archetta_22 Start: 15062, Stop: 18403, Start Num: 1

Candidate Starts for Archetta_22:

(Start: 1 @15062 has 39 MA's), (32, 15500), (Start: 129 @15812 has 2 MA's), (152, 15890), (Start: 161 @15920 has 8 MA's), (184, 15977), (236, 16124), (240, 16130), (243, 16136), (312, 16262), (316, 16274), (356, 16424), (363, 16460), (369, 16490), (373, 16505), (380, 16535), (381, 16547), (386, 16571), (399, 16640), (423, 16706), (473, 16862), (506, 16931), (507, 16934), (524, 16961), (541,

16985), (589, 17123), (598, 17144), (614, 17189), (634, 17231), (722, 17423), (731, 17453), (742, 17477), (745, 17489), (751, 17510), (768, 17552), (794, 17639), (808, 17675), (812, 17696), (819, 17717), (843, 17795), (852, 17816), (857, 17837), (864, 17858), (872, 17879), (880, 17903), (902, 17966), (925, 18059), (928, 18077), (943, 18158), (946, 18170), (948, 18182), (950, 18191), (961, 18245), (979, 18329), (980, 18338),

Gene: Arissanae_25 Start: 15680, Stop: 18592, Start Num: 51

Candidate Starts for Arissanae_25:

(Start: 51 @15680 has 33 MA's), (54, 15692), (59, 15716), (63, 15728), (104, 15848), (119, 15890), (127, 15911), (194, 16079), (218, 16133), (220, 16136), (294, 16328), (301, 16346), (307, 16358), (309, 16364), (321, 16397), (328, 16430), (339, 16466), (341, 16472), (345, 16493), (353, 16523), (362, 16568), (366, 16589), (373, 16613), (374, 16616), (378, 16634), (380, 16643), (381, 16655), (390, 16703), (399, 16748), (425, 16853), (446, 16946), (447, 16949), (449, 16955), (453, 16970), (456, 16979), (458, 16991), (463, 17015), (466, 17027), (468, 17036), (485, 17120), (492, 17138), (493, 17141), (586, 17372), (590, 17381), (605, 17426), (613, 17447), (618, 17462), (623, 17468), (644, 17489), (648, 17492), (659, 17519), (667, 17546), (694, 17600), (712, 17642), (736, 17684), (774, 17792), (805, 17888), (827, 17975), (830, 17984), (846, 18035), (877, 18098), (893, 18158), (908, 18194), (909, 18200), (927, 18278), (934, 18305), (936, 18314), (962, 18464), (977, 18500), (980, 18518), (981, 18530),

Gene: Arlo_23 Start: 15964, Stop: 18444, Start Num: 167

Candidate Starts for Arlo_23:

(Start: 167 @15964 has 215 MA's), (181, 16003), (211, 16066), (Start: 223 @16096 has 23 MA's), (233, 16138), (327, 16345), (333, 16363), (356, 16453), (369, 16516), (376, 16540), (378, 16552), (387, 16603), (537, 16987), (592, 17089), (606, 17128), (610, 17143), (614, 17155), (623, 17179), (672, 17308), (718, 17407), (757, 17509), (765, 17530), (777, 17572), (808, 17671), (823, 17734), (852, 17824), (892, 17953), (903, 17986), (958, 18268), (970, 18334), (975, 18355), (982, 18394), (986, 18424),

Gene: Artemis2UCLA_29 Start: 16617, Stop: 18833, Start Num: 128

Candidate Starts for Artemis2UCLA_29:

(107, 16572), (Start: 128 @16617 has 47 MA's), (175, 16728), (233, 16884), (312, 17031), (316, 17043), (355, 17190), (356, 17193), (362, 17226), (382, 17316), (395, 17385), (419, 17460), (473, 17628), (670, 17886), (707, 17931), (773, 18039), (808, 18102), (819, 18144), (852, 18243), (857, 18264), (872, 18306), (888, 18357), (899, 18384), (919, 18465), (935, 18555),

Gene: Arturo_24 Start: 16137, Stop: 18596, Start Num: 223

Candidate Starts for Arturo_24:

(Start: 165 @15996 has 118 MA's), (Start: 223 @16137 has 23 MA's), (Start: 228 @16155 has 10 MA's), (266, 16311), (278, 16362), (298, 16431), (333, 16548), (341, 16575), (356, 16638), (369, 16701), (380, 16746), (387, 16788), (405, 16872), (506, 17139), (533, 17190), (566, 17235), (595, 17313), (610, 17346), (612, 17352), (662, 17466), (686, 17520), (704, 17565), (730, 17625), (749, 17685), (785, 17799), (791, 17817), (828, 17964), (836, 17982), (882, 18108), (943, 18360), (944, 18363), (946, 18372), (957, 18429), (958, 18432), (965, 18477), (980, 18528), (986, 18576),

Gene: Ashballer_23 Start: 16347, Stop: 18818, Start Num: 167

Candidate Starts for Ashballer_23:

(Start: 167 @16347 has 215 MA's), (181, 16386), (211, 16449), (Start: 223 @16479 has 23 MA's), (229, 16500), (233, 16521), (236, 16533), (273, 16551), (303, 16641), (356, 16839), (362, 16872), (378, 16938), (440, 17193), (453, 17214), (460, 17241), (549, 17400), (575, 17436), (610, 17529), (617, 17550), (642, 17607), (687, 17727), (703, 17763), (718, 17793), (732, 17829), (757, 17895), (765, 17916), (808, 18057), (848, 18198), (857, 18219), (901, 18354), (937, 18531), (958, 18642), (970, 18708), (975, 18729), (982, 18768),

Gene: Astro_22 Start: 14549, Stop: 17626, Start Num: 14

Candidate Starts for Astro_22:

(Start: 14 @14549 has 12 MA's), (22, 14633), (48, 14801), (50, 14825), (76, 14873), (113, 14993), (138, 15065), (191, 15215), (192, 15218), (198, 15224), (291, 15410), (310, 15470), (312, 15476), (331, 15542), (339, 15569), (342, 15584), (355, 15635), (356, 15638), (362, 15671), (369, 15704), (408, 15872), (464, 16055), (473, 16079), (495, 16127), (506, 16148), (507, 16151), (572, 16295), (587, 16352), (601, 16382), (616, 16421), (653, 16493), (662, 16523), (712, 16622), (725, 16652), (742, 16697), (808, 16895), (812, 16916), (815, 16928), (852, 17036), (872, 17099), (880, 17123), (889, 17153), (902, 17186), (912, 17219), (925, 17279), (930, 17306), (949, 17405), (950, 17411), (967, 17501), (976, 17522), (982, 17561), (991, 17609),

Gene: Atkinbua_25 Start: 16303, Stop: 18771, Start Num: 167

Candidate Starts for Atkinbua_25:

(Start: 167 @16303 has 215 MA's), (174, 16318), (211, 16402), (213, 16408), (Start: 223 @16432 has 23 MA's), (229, 16453), (233, 16474), (273, 16504), (280, 16528), (303, 16594), (356, 16792), (362, 16825), (378, 16891), (440, 17146), (453, 17167), (460, 17194), (549, 17353), (610, 17482), (617, 17503), (623, 17518), (630, 17539), (632, 17542), (659, 17611), (672, 17647), (687, 17680), (703, 17716), (718, 17746), (732, 17782), (757, 17848), (765, 17869), (808, 18010), (848, 18151), (857, 18172), (901, 18307), (937, 18484), (958, 18595), (970, 18661), (975, 18682), (982, 18721),

Gene: AugsMagnumOpus_29 Start: 15971, Stop: 18997, Start Num: 35

Candidate Starts for AugsMagnumOpus_29:

(29, 15917), (Start: 35 @15971 has 84 MA's), (57, 16085), (79, 16151), (81, 16154), (85, 16163), (97, 16199), (113, 16250), (141, 16322), (174, 16394), (218, 16514), (220, 16517), (243, 16586), (260, 16631), (299, 16724), (305, 16733), (311, 16751), (321, 16778), (337, 16841), (341, 16853), (349, 16886), (353, 16904), (366, 16970), (367, 16973), (369, 16979), (373, 16994), (376, 17003), (378, 17015), (380, 17024), (397, 17117), (425, 17234), (426, 17237), (430, 17264), (432, 17276), (447, 17330), (453, 17351), (468, 17417), (472, 17444), (501, 17549), (520, 17597), (538, 17642), (570, 17690), (581, 17732), (582, 17741), (593, 17771), (594, 17774), (597, 17786), (618, 17843), (623, 17849), (644, 17870), (648, 17873), (706, 18011), (712, 18023), (743, 18083), (765, 18143), (774, 18173), (775, 18176), (777, 18185), (808, 18278), (828, 18368), (852, 18434), (855, 18446), (877, 18488), (894, 18551), (914, 18608), (927, 18677), (936, 18713), (950, 18794), (980, 18929),

Gene: AvatarAhPeg_26 Start: 16164, Stop: 18764, Start Num: 165

Candidate Starts for AvatarAhPeg_26:

(Start: 165 @16164 has 118 MA's), (Start: 234 @16347 has 1 MA's), (271, 16506), (284, 16554), (333, 16716), (338, 16734), (356, 16806), (380, 16914), (395, 16998), (471, 17247), (519, 17334), (533, 17358), (566, 17403), (610, 17514), (612, 17520), (669, 17652), (686, 17688), (695, 17709), (705, 17736), (730, 17793), (749, 17853), (785, 17967), (828, 18132), (836, 18150), (859, 18219), (882, 18276), (932, 18465), (944, 18531), (946, 18540), (958, 18600), (960, 18609), (965, 18645), (972, 18663), (980, 18696), (986, 18744),

Gene: Avle17_25 Start: 15885, Stop: 18485, Start Num: 165

Candidate Starts for Avle17_25:

(Start: 165 @15885 has 118 MA's), (Start: 223 @16026 has 23 MA's), (Start: 228 @16044 has 10 MA's), (278, 16251), (291, 16290), (298, 16320), (333, 16437), (341, 16464), (356, 16527), (369, 16590), (380, 16635), (387, 16677), (405, 16761), (506, 17028), (533, 17079), (566, 17124), (595, 17202), (610, 17235), (612, 17241), (619, 17262), (686, 17409), (695, 17430), (704, 17454), (731, 17520), (749, 17574), (765, 17622), (785, 17688), (828, 17853), (836, 17871), (882, 17997), (943, 18249), (944, 18252), (946, 18261), (958, 18321), (980, 18417), (986, 18465),

Gene: Ayanochan_28 Start: 17623, Stop: 20532, Start Num: 51

Candidate Starts for Ayanochan_28:

(Start: 51 @17623 has 33 MA's), (54, 17635), (70, 17695), (153, 17917), (182, 17980), (194, 18022), (220, 18079), (233, 18118), (301, 18289), (305, 18295), (310, 18310), (336, 18400), (337, 18403), (341, 18415), (352, 18457), (362, 18511), (380, 18586), (383, 18607), (384, 18610), (387, 18628), (399, 18691), (419, 18757), (425, 18796), (429, 18823), (432, 18838), (440, 18868), (447, 18892), (453, 18913), (468, 18979), (475, 19018), (493, 19084), (501, 19111), (508, 19138), (538, 19204), (569, 19249), (590, 19324), (605, 19369), (613, 19390), (623, 19411), (624, 19414), (644, 19432), (648, 19435), (659, 19462), (667, 19489), (694, 19543), (774, 19735), (778, 19750), (788, 19780), (805, 19831), (827, 19918), (830, 19927), (846, 19978), (877, 20041), (882, 20062), (893, 20098), (908, 20134), (909, 20140), (927, 20218), (934, 20245), (944, 20305), (958, 20374), (962, 20404), (968, 20431), (981, 20470), (987, 20512),

Gene: B1_23 Start: 15174, Stop: 18218, Start Num: 33

Candidate Starts for B1_23:

(Start: 33 @15174 has 33 MA's), (73, 15348), (81, 15360), (174, 15603), (218, 15723), (220, 15726), (302, 15948), (321, 15993), (341, 16068), (349, 16101), (353, 16119), (356, 16131), (371, 16197), (378, 16230), (380, 16239), (387, 16281), (397, 16332), (425, 16449), (432, 16491), (447, 16545), (453, 16566), (466, 16623), (468, 16632), (498, 16758), (501, 16764), (508, 16791), (538, 16857), (546, 16872), (569, 16902), (570, 16905), (582, 16956), (586, 16968), (594, 16989), (597, 17001), (605, 17022), (618, 17058), (644, 17085), (660, 17118), (663, 17130), (682, 17172), (712, 17238), (743, 17298), (759, 17337), (774, 17388), (775, 17391), (777, 17400), (784, 17424), (808, 17493), (812, 17514), (828, 17583), (836, 17601), (852, 17649), (855, 17661), (877, 17703), (880, 17715), (893, 17763), (936, 17934), (946, 17994), (950, 18015), (980, 18150), (981, 18162), (986, 18198),

Gene: BABullseye_29 Start: 16728, Stop: 18932, Start Num: 128

Candidate Starts for BABullseye_29:

(69, 16569), (107, 16683), (Start: 128 @16728 has 47 MA's), (175, 16839), (176, 16845), (Start: 223 @16953 has 23 MA's), (233, 16995), (284, 17061), (316, 17154), (325, 17181), (356, 17304), (362, 17337), (382, 17427), (395, 17496), (473, 17739), (577, 17877), (670, 17997), (773, 18150), (808, 18213), (819, 18255), (852, 18354), (857, 18375), (864, 18396), (872, 18417), (888, 18468), (892, 18480), (899, 18495), (919, 18576), (935, 18654),

Gene: BK1_22 Start: 15930, Stop: 18401, Start Num: 167

Candidate Starts for BK1_22:

(Start: 167 @15930 has 215 MA's), (181, 15969), (211, 16032), (Start: 223 @16062 has 23 MA's), (229, 16083), (233, 16104), (236, 16116), (273, 16134), (280, 16158), (303, 16224), (312, 16251), (356, 16422), (362, 16455), (378, 16521), (440, 16776), (453, 16797), (460, 16824), (471, 16863), (549, 16983), (575, 17019), (610, 17112), (617, 17133), (642, 17190), (687, 17310), (703, 17346), (718, 17376), (732, 17412), (757, 17478), (765, 17499), (777, 17541), (808, 17640), (848, 17781), (857, 17802), (923, 18033), (937, 18114), (958, 18225), (975, 18312), (982, 18351), (984, 18366),

Gene: BPBiebs31_25 Start: 16611, Stop: 19082, Start Num: 167

Candidate Starts for BPBiebs31_25:

(Start: 167 @16611 has 215 MA's), (181, 16650), (211, 16713), (Start: 223 @16743 has 23 MA's), (229, 16764), (233, 16785), (236, 16797), (273, 16815), (303, 16905), (356, 17103), (362, 17136), (378, 17202), (440, 17457), (453, 17478), (460, 17505), (549, 17664), (575, 17700), (610, 17793), (617, 17814), (642, 17871), (687, 17991), (703, 18027), (718, 18057), (732, 18093), (757, 18159), (765, 18180), (808, 18321), (848, 18462), (857, 18483), (901, 18618), (937, 18795), (958, 18906), (970, 18972), (975, 18993), (982, 19032), (984, 19047),

Gene: Baby16_25 Start: 15894, Stop: 18494, Start Num: 165

Candidate Starts for Baby16_25:

(Start: 165 @15894 has 118 MA's), (Start: 223 @16035 has 23 MA's), (Start: 228 @16053 has 10 MA's), (278, 16260), (291, 16299), (298, 16329), (333, 16446), (341, 16473), (356, 16536), (369, 16599), (380, 16644), (387, 16686), (405, 16770), (506, 17037), (533, 17088), (566, 17133), (595, 17211), (612, 17250), (619, 17271), (686, 17418), (695, 17439), (704, 17463), (730, 17523), (731, 17529), (732, 17532), (749, 17583), (765, 17631), (785, 17697), (828, 17862), (836, 17880), (882, 18006), (943, 18258), (944, 18261), (946, 18270), (958, 18330), (980, 18426), (986, 18474),

Gene: BabyBack_28 Start: 18230, Stop: 20749, Start Num: 120

Candidate Starts for BabyBack_28:

(Start: 120 @18230 has 91 MA's), (175, 18341), (203, 18410), (Start: 208 @18419 has 1 MA's), (226, 18461), (296, 18584), (299, 18593), (305, 18602), (317, 18638), (321, 18647), (323, 18656), (353, 18773), (364, 18830), (367, 18842), (369, 18848), (373, 18863), (378, 18884), (380, 18893), (425, 19103), (430, 19133), (432, 19145), (447, 19199), (453, 19220), (466, 19277), (468, 19286), (538, 19511), (546, 19526), (568, 19553), (582, 19610), (587, 19625), (593, 19640), (597, 19655), (602, 19670), (605, 19676), (613, 19697), (648, 19742), (662, 19781), (673, 19808), (706, 19880), (743, 19952), (753, 19979), (763, 20009), (765, 20012), (774, 20042), (792, 20099), (803, 20135), (822, 20204), (879, 20303), (881, 20312), (887, 20321), (928, 20432), (942, 20519), (948, 20546), (949, 20549), (986, 20726),

Gene: BabyJohn_24 Start: 15764, Stop: 18802, Start Num: 33

Candidate Starts for BabyJohn_24:

(Start: 33 @15764 has 33 MA's), (73, 15938), (92, 15983), (174, 16193), (220, 16316), (299, 16523), (321, 16577), (341, 16652), (349, 16685), (353, 16703), (356, 16715), (371, 16781), (376, 16802), (378, 16814), (380, 16823), (387, 16865), (397, 16916), (425, 17033), (426, 17036), (432, 17075), (447, 17129), (453, 17150), (468, 17216), (472, 17243), (501, 17348), (520, 17396), (538, 17441), (546, 17456), (570, 17489), (581, 17531), (582, 17540), (593, 17570), (597, 17585), (605, 17606), (618, 17642), (644, 17669), (648, 17672), (658, 17693), (662, 17711), (682, 17756), (701, 17798), (702, 17801), (743, 17882), (759, 17921), (774, 17972), (775, 17975), (777, 17984), (784, 18008), (808, 18077), (812, 18098), (828, 18167), (836, 18185), (852, 18233), (855, 18245), (871, 18275), (877, 18287), (880, 18299), (893, 18347), (936, 18518), (946, 18578), (950, 18599), (968, 18695), (980, 18734), (986, 18782),

Gene: BabyRay_25 Start: 15740, Stop: 18778, Start Num: 33

Candidate Starts for BabyRay_25:

(Start: 33 @15740 has 33 MA's), (73, 15914), (81, 15926), (174, 16169), (187, 16214), (220, 16292), (299, 16499), (321, 16553), (337, 16616), (341, 16628), (349, 16661), (356, 16691), (362, 16724), (371, 16757), (378, 16790), (380, 16799), (397, 16892), (425, 17009), (427, 17021), (432, 17051), (447, 17105), (453, 17126), (468, 17192), (501, 17324), (504, 17333), (520, 17372), (538, 17417), (546, 17432), (581, 17507), (582, 17516), (593, 17546), (597, 17561), (598, 17564), (605, 17582), (613, 17603), (614, 17606), (623, 17624), (644, 17645), (648, 17648), (682, 17732), (702, 17777), (712, 17798), (743, 17858), (763, 17915), (765, 17918), (774, 17948), (775, 17951), (777, 17960), (808, 18053), (812, 18074), (828, 18143), (836, 18161), (852, 18209), (855, 18221), (877, 18263), (880, 18275), (893, 18323), (936, 18494), (946, 18554), (948, 18566), (949, 18569), (950, 18575), (980, 18710), (981, 18722), (986, 18758),

Gene: Bachome_26 Start: 17172, Stop: 19700, Start Num: 131

Candidate Starts for Bachome_26:

(Start: 125 @17154 has 22 MA's), (Start: 131 @17172 has 2 MA's), (Start: 188 @17346 has 18 MA's), (192, 17355), (233, 17430), (291, 17484), (308, 17538), (313, 17553), (314, 17556), (321, 17574), (337, 17637), (341, 17649), (356, 17712), (369, 17775), (373, 17790), (376, 17799), (380, 17820), (384, 17844), (387, 17859), (408, 17946), (410, 17949), (416, 17964), (422, 17985), (424, 17997), (440, 18063), (458, 18105), (462, 18126), (464, 18135), (473, 18159), (503, 18240), (506, 18249), (510, 18261), (522, 18303), (562, 18360), (580, 18414), (618, 18522), (638, 18561), (698, 18702),

(742, 18798), (746, 18819), (760, 18852), (773, 18885), (774, 18888), (807, 18972), (819, 19017), (820, 19020), (854, 19134), (864, 19167), (888, 19239), (902, 19275), (919, 19347), (935, 19425), (944, 19479), (949, 19503), (976, 19614),

Gene: Backyardigan_25 Start: 15891, Stop: 18491, Start Num: 165

Candidate Starts for Backyardigan_25:

(Start: 165 @15891 has 118 MA's), (284, 16281), (325, 16410), (333, 16443), (341, 16470), (356, 16533), (380, 16641), (412, 16776), (471, 16974), (519, 17061), (533, 17085), (566, 17130), (610, 17241), (612, 17247), (686, 17415), (705, 17463), (730, 17520), (749, 17580), (765, 17628), (775, 17661), (785, 17694), (791, 17712), (828, 17859), (836, 17877), (882, 18003), (913, 18093), (932, 18192), (944, 18258), (946, 18267), (958, 18327), (960, 18336), (965, 18372), (972, 18390), (980, 18423), (986, 18471),

Gene: BaconJack_26 Start: 16685, Stop: 19084, Start Num: 167

Candidate Starts for BaconJack_26:

(Start: 167 @16685 has 215 MA's), (181, 16724), (211, 16787), (Start: 223 @16817 has 23 MA's), (229, 16838), (233, 16859), (246, 16889), (280, 16913), (303, 16979), (356, 17177), (362, 17210), (378, 17276), (452, 17531), (459, 17552), (464, 17579), (583, 17738), (597, 17774), (645, 17867), (711, 18020), (718, 18032), (726, 18047), (763, 18164), (777, 18209), (782, 18230), (784, 18233), (828, 18398), (848, 18464), (864, 18506), (923, 18716), (937, 18797), (958, 18908), (970, 18974), (975, 18995), (982, 19034), (986, 19064),

Gene: Bactobuster_27 Start: 18366, Stop: 20744, Start Num: 215

Candidate Starts for Bactobuster_27:

(Start: 209 @18348 has 7 MA's), (Start: 215 @18366 has 5 MA's), (226, 18399), (229, 18405), (255, 18501), (264, 18543), (315, 18699), (318, 18711), (319, 18714), (326, 18744), (327, 18753), (338, 18789), (341, 18798), (356, 18861), (362, 18894), (373, 18939), (378, 18960), (380, 18969), (399, 19074), (442, 19215), (517, 19383), (521, 19395), (568, 19461), (571, 19467), (587, 19518), (631, 19629), (641, 19647), (705, 19803), (736, 19857), (754, 19893), (772, 19944), (791, 20004), (798, 20037), (801, 20049), (812, 20082), (813, 20085), (863, 20223), (868, 20235), (886, 20277), (898, 20313), (902, 20325), (905, 20331), (948, 20541),

Gene: Badger_25 Start: 15880, Stop: 18480, Start Num: 165

Candidate Starts for Badger_25:

(Start: 165 @15880 has 118 MA's), (284, 16270), (325, 16399), (333, 16432), (341, 16459), (356, 16522), (380, 16630), (412, 16765), (519, 17050), (533, 17074), (566, 17119), (610, 17230), (612, 17236), (686, 17404), (705, 17452), (730, 17509), (749, 17569), (765, 17617), (775, 17650), (785, 17683), (791, 17701), (828, 17848), (836, 17866), (882, 17992), (913, 18082), (932, 18181), (944, 18247), (946, 18256), (958, 18316), (960, 18325), (965, 18361), (972, 18379), (980, 18412), (986, 18460),

Gene: Baehexic_27 Start: 17134, Stop: 19641, Start Num: 120

Candidate Starts for Baehexic_27:

(Start: 120 @17134 has 91 MA's), (175, 17245), (195, 17302), (296, 17488), (321, 17551), (328, 17584), (330, 17590), (373, 17770), (376, 17779), (380, 17800), (383, 17821), (384, 17824), (387, 17842), (398, 17902), (425, 18010), (432, 18052), (447, 18106), (453, 18127), (467, 18190), (468, 18193), (470, 18211), (475, 18232), (538, 18418), (546, 18433), (568, 18460), (582, 18517), (587, 18532), (590, 18538), (593, 18547), (595, 18553), (605, 18583), (613, 18604), (648, 18649), (651, 18655), (662, 18688), (673, 18715), (706, 18787), (712, 18799), (743, 18859), (753, 18886), (774, 18949), (788, 18994), (792, 19006), (803, 19042), (815, 19078), (822, 19111), (864, 19174), (877, 19198), (930, 19342), (949, 19441), (964, 19528), (989, 19627),

Gene: BangNhom_25 Start: 16196, Stop: 18796, Start Num: 165

Candidate Starts for BangNhom_25:

(Start: 165 @16196 has 118 MA's), (Start: 223 @16337 has 23 MA's), (Start: 228 @16355 has 10 MA's), (266, 16511), (278, 16562), (298, 16631), (333, 16748), (341, 16775), (356, 16838), (369, 16901), (380, 16946), (387, 16988), (405, 17072), (471, 17279), (506, 17339), (533, 17390), (566, 17435), (595, 17513), (610, 17546), (612, 17552), (686, 17720), (695, 17741), (704, 17765), (730, 17825), (731, 17831), (732, 17834), (749, 17885), (765, 17933), (785, 17999), (828, 18164), (836, 18182), (882, 18308), (943, 18560), (944, 18563), (946, 18572), (957, 18629), (958, 18632), (965, 18677), (980, 18728), (986, 18776),

Gene: Barriga_24 Start: 16199, Stop: 18670, Start Num: 167

Candidate Starts for Barriga_24:

(Start: 167 @16199 has 215 MA's), (181, 16238), (211, 16301), (Start: 223 @16331 has 23 MA's), (229, 16352), (233, 16373), (273, 16403), (280, 16427), (303, 16493), (356, 16691), (362, 16724), (378, 16790), (440, 17045), (453, 17066), (460, 17093), (549, 17252), (575, 17288), (610, 17381), (617, 17402), (623, 17417), (630, 17438), (632, 17441), (659, 17510), (672, 17546), (687, 17579), (703, 17615), (718, 17645), (732, 17681), (757, 17747), (765, 17768), (808, 17909), (848, 18050), (857, 18071), (901, 18206), (937, 18383), (958, 18494), (975, 18581), (982, 18620), (984, 18635),

Gene: BarrowTuph_23 Start: 16245, Stop: 18713, Start Num: 167

Candidate Starts for BarrowTuph_23:

(Start: 167 @16245 has 215 MA's), (174, 16260), (Start: 223 @16374 has 23 MA's), (229, 16395), (233, 16416), (273, 16446), (303, 16536), (356, 16734), (362, 16767), (378, 16833), (440, 17088), (453, 17109), (460, 17136), (549, 17295), (575, 17331), (610, 17424), (617, 17445), (642, 17502), (687, 17622), (703, 17658), (718, 17688), (732, 17724), (757, 17790), (765, 17811), (808, 17952), (848, 18093), (857, 18114), (901, 18249), (937, 18426), (958, 18537), (970, 18603), (975, 18624), (982, 18663), (984, 18678),

Gene: Bartimeaus_25 Start: 15885, Stop: 18485, Start Num: 165

Candidate Starts for Bartimeaus_25:

(Start: 165 @15885 has 118 MA's), (Start: 223 @16026 has 23 MA's), (Start: 228 @16044 has 10 MA's), (278, 16251), (291, 16290), (298, 16320), (333, 16437), (341, 16464), (356, 16527), (369, 16590), (380, 16635), (387, 16677), (405, 16761), (506, 17028), (533, 17079), (566, 17124), (595, 17202), (612, 17241), (619, 17262), (686, 17409), (695, 17430), (704, 17454), (730, 17514), (731, 17520), (732, 17523), (749, 17574), (765, 17622), (785, 17688), (828, 17853), (836, 17871), (882, 17997), (943, 18249), (944, 18252), (946, 18261), (958, 18321), (980, 18417), (986, 18465),

Gene: Battleship_29 Start: 15870, Stop: 18224, Start Num: 134

Candidate Starts for Battleship_29:

(Start: 129 @15861 has 2 MA's), (Start: 134 @15870 has 4 MA's), (Start: 188 @16038 has 18 MA's), (310, 16278), (312, 16284), (332, 16353), (347, 16410), (380, 16554), (387, 16596), (396, 16644), (397, 16647), (428, 16758), (431, 16776), (473, 16881), (495, 16929), (563, 17034), (585, 17094), (611, 17148), (633, 17184), (646, 17208), (648, 17217), (671, 17280), (685, 17301), (692, 17316), (705, 17340), (710, 17352), (741, 17406), (746, 17427), (761, 17457), (833, 17628), (839, 17649), (872, 17733), (950, 18036), (980, 18159), (981, 18171),

Gene: Beatrix_23 Start: 17117, Stop: 19777, Start Num: 167

Candidate Starts for Beatrix_23:

(Start: 167 @17117 has 215 MA's), (181, 17156), (211, 17219), (Start: 223 @17249 has 23 MA's), (233, 17291), (356, 17600), (369, 17663), (380, 17708), (385, 17732), (400, 17807), (403, 17819), (504, 18140), (610, 18470), (629, 18521), (642, 18548), (719, 18752), (762, 18866), (765, 18875), (772, 18896), (777, 18917), (808, 19016), (819, 19058), (820, 19061), (860, 19190), (888, 19274), (904, 19319), (958, 19601), (975, 19688), (982, 19727),

Gene: Beauxregard13_27 Start: 15979, Stop: 19005, Start Num: 35

Candidate Starts for Beauxregard13_27:

(29, 15925), (Start: 35 @15979 has 84 MA's), (57, 16093), (79, 16159), (81, 16162), (85, 16171), (97, 16207), (113, 16258), (141, 16330), (174, 16402), (218, 16522), (220, 16525), (243, 16594), (260, 16639), (299, 16732), (305, 16741), (311, 16759), (321, 16786), (337, 16849), (341, 16861), (349, 16894), (353, 16912), (366, 16978), (367, 16981), (369, 16987), (373, 17002), (376, 17011), (378, 17023), (380, 17032), (393, 17110), (397, 17125), (425, 17242), (426, 17245), (430, 17272), (432, 17284), (447, 17338), (453, 17359), (468, 17425), (475, 17464), (501, 17557), (520, 17605), (538, 17650), (570, 17698), (581, 17740), (582, 17749), (593, 17779), (594, 17782), (597, 17794), (618, 17851), (623, 17857), (644, 17878), (648, 17881), (706, 18019), (712, 18031), (743, 18091), (763, 18148), (808, 18286), (812, 18307), (817, 18331), (828, 18376), (836, 18394), (852, 18442), (855, 18454), (877, 18496), (894, 18559), (914, 18616), (927, 18685), (936, 18721), (950, 18802), (980, 18937),

Gene: Beemo_27 Start: 17624, Stop: 20533, Start Num: 51

Candidate Starts for Beemo_27:

(Start: 51 @17624 has 33 MA's), (54, 17636), (70, 17696), (127, 17855), (153, 17918), (182, 17981), (194, 18023), (220, 18080), (233, 18119), (301, 18290), (305, 18296), (310, 18311), (336, 18401), (337, 18404), (341, 18416), (352, 18458), (362, 18512), (380, 18587), (383, 18608), (384, 18611), (387, 18629), (399, 18692), (419, 18758), (425, 18797), (429, 18824), (432, 18839), (440, 18869), (447, 18893), (450, 18905), (453, 18914), (468, 18980), (475, 19019), (493, 19085), (501, 19112), (508, 19139), (569, 19250), (590, 19325), (605, 19370), (613, 19391), (623, 19412), (624, 19415), (644, 19433), (648, 19436), (659, 19463), (667, 19490), (694, 19544), (774, 19736), (778, 19751), (788, 19781), (805, 19832), (827, 19919), (830, 19928), (846, 19979), (877, 20042), (882, 20063), (893, 20099), (908, 20135), (909, 20141), (927, 20219), (934, 20246), (944, 20306), (958, 20375), (962, 20405), (968, 20432), (981, 20471), (987, 20513),

Gene: BeesKnees_25 Start: 16392, Stop: 18869, Start Num: 169

Candidate Starts for BeesKnees_25:

(Start: 169 @16392 has 9 MA's), (174, 16407), (Start: 223 @16521 has 23 MA's), (233, 16563), (327, 16770), (333, 16788), (356, 16878), (369, 16941), (376, 16965), (378, 16977), (387, 17028), (537, 17412), (592, 17514), (606, 17553), (614, 17580), (623, 17604), (672, 17733), (718, 17832), (757, 17934), (765, 17955), (777, 17997), (808, 18096), (823, 18159), (852, 18249), (892, 18378), (903, 18411), (937, 18582), (958, 18693), (970, 18759), (975, 18780), (982, 18819), (986, 18849),

Gene: Belenaria_21 Start: 12124, Stop: 15471, Start Num: 15

Candidate Starts for Belenaria_21:

(Start: 15 @12124 has 35 MA's), (17, 12142), (31, 12265), (37, 12286), (42, 12307), (47, 12337), (94, 12451), (107, 12499), (126, 12547), (127, 12556), (Start: 159 @12631 has 1 MA's), (173, 12652), (180, 12673), (183, 12679), (197, 12727), (232, 12799), (245, 12838), (251, 12847), (276, 12901), (294, 12955), (296, 12961), (312, 13000), (323, 13033), (333, 13072), (348, 13129), (373, 13240), (378, 13261), (380, 13270), (387, 13312), (397, 13363), (399, 13375), (420, 13447), (421, 13450), (432, 13522), (435, 13531), (441, 13555), (448, 13579), (450, 13588), (452, 13594), (453, 13597), (456, 13606), (458, 13618), (467, 13660), (472, 13690), (477, 13714), (481, 13735), (489, 13759), (504, 13804), (522, 13855), (528, 13867), (531, 13870), (538, 13888), (546, 13903), (577, 13954), (590, 14008), (652, 14131), (661, 14158), (670, 14182), (684, 14209), (700, 14245), (713, 14275), (750, 14359), (776, 14440), (790, 14485), (792, 14497), (793, 14506), (795, 14515), (798, 14521), (799, 14527), (808, 14548), (837, 14662), (842, 14683), (865, 14728), (884, 14782), (897, 14827), (915, 14899), (921, 14923), (929, 14968), (933, 14986), (945, 15061), (950, 15094), (959, 15136), (973, 15214), (978, 15229), (981, 15253), (992, 15409), (993, 15421), (994, 15427),

Gene: Bellris_24 Start: 15668, Stop: 18586, Start Num: 51

Candidate Starts for Bellris_24:

(Start: 51 @15668 has 33 MA's), (54, 15680), (104, 15839), (119, 15881), (127, 15902), (182, 16028), (194, 16070), (218, 16124), (220, 16127), (265, 16253), (296, 16328), (299, 16337), (301, 16340), (307, 16352), (351, 16505), (353, 16517), (356, 16529), (357, 16538), (362, 16562), (366, 16583), (367, 16586), (373, 16607), (378, 16628), (380, 16637), (381, 16649), (390, 16697), (399, 16742), (425, 16847), (439, 16910), (446, 16940), (447, 16943), (453, 16964), (456, 16973), (458, 16985), (463, 17009), (468, 17030), (475, 17069), (538, 17255), (545, 17267), (569, 17300), (590, 17375), (593, 17384), (605, 17420), (613, 17441), (623, 17462), (624, 17465), (644, 17483), (648, 17486), (659, 17513), (667, 17540), (696, 17600), (736, 17678), (774, 17786), (788, 17831), (805, 17882), (825, 17963), (827, 17969), (830, 17978), (846, 18029), (877, 18092), (882, 18113), (893, 18152), (909, 18194), (927, 18272), (934, 18299), (944, 18359), (949, 18383), (962, 18458), (981, 18524), (987, 18566),

Gene: BellusTerra_25 Start: 15882, Stop: 18482, Start Num: 165

Candidate Starts for BellusTerra_25:

(Start: 165 @15882 has 118 MA's), (Start: 223 @16023 has 23 MA's), (Start: 228 @16041 has 10 MA's), (278, 16248), (291, 16287), (298, 16317), (333, 16434), (341, 16461), (356, 16524), (369, 16587), (380, 16632), (387, 16674), (405, 16758), (506, 17025), (533, 17076), (566, 17121), (595, 17199), (610, 17232), (612, 17238), (686, 17406), (695, 17427), (704, 17451), (730, 17511), (731, 17517), (732, 17520), (749, 17571), (765, 17619), (785, 17685), (828, 17850), (836, 17868), (882, 17994), (943, 18246), (944, 18249), (946, 18258), (958, 18318), (980, 18414), (986, 18462),

Gene: Benedict_22 Start: 15091, Stop: 17904, Start Num: 1

Candidate Starts for Benedict_22:

(Start: 1 @15091 has 39 MA's), (9, 15280), (94, 15628), (Start: 129 @15763 has 2 MA's), (132, 15769), (224, 15862), (243, 15913), (284, 15949), (315, 16039), (331, 16105), (337, 16126), (356, 16201), (362, 16234), (376, 16288), (381, 16321), (382, 16324), (384, 16333), (405, 16432), (411, 16441), (419, 16465), (458, 16594), (499, 16708), (561, 16759), (614, 16825), (678, 16918), (693, 16951), (737, 17038), (749, 17071), (755, 17083), (768, 17113), (808, 17176), (819, 17218), (839, 17290), (841, 17293), (852, 17317), (856, 17332), (864, 17359), (872, 17380), (902, 17467), (911, 17497), (912, 17500), (925, 17560), (943, 17659), (946, 17671), (948, 17683), (950, 17692), (980, 17839),

Gene: BengiVuitton_27 Start: 17042, Stop: 19579, Start Num: 120

Candidate Starts for BengiVuitton_27:

(Start: 120 @17042 has 91 MA's), (203, 17222), (205, 17225), (226, 17273), (292, 17393), (296, 17414), (299, 17423), (309, 17444), (321, 17477), (328, 17510), (341, 17552), (353, 17603), (357, 17624), (362, 17648), (363, 17651), (366, 17669), (376, 17702), (378, 17714), (380, 17723), (383, 17744), (384, 17747), (401, 17834), (425, 17933), (432, 17975), (435, 17984), (438, 17993), (453, 18050), (468, 18116), (475, 18155), (590, 18461), (593, 18470), (595, 18476), (597, 18485), (605, 18506), (614, 18530), (624, 18551), (648, 18572), (651, 18578), (662, 18611), (666, 18623), (712, 18722), (743, 18782), (753, 18809), (774, 18872), (788, 18917), (792, 18929), (881, 19145), (887, 19154), (928, 19265), (935, 19295), (949, 19379),

Gene: BennyP_29 Start: 16735, Stop: 18939, Start Num: 128

Candidate Starts for BennyP_29:

(69, 16576), (107, 16690), (Start: 128 @16735 has 47 MA's), (175, 16846), (176, 16852), (Start: 223 @16960 has 23 MA's), (233, 17002), (284, 17068), (316, 17161), (325, 17188), (356, 17311), (362, 17344), (382, 17434), (395, 17503), (473, 17746), (577, 17884), (670, 18004), (773, 18157), (808, 18220), (819, 18262), (852, 18361), (857, 18382), (864, 18403), (872, 18424), (888, 18475), (892, 18487), (899, 18502), (919, 18583), (935, 18661),

Gene: Benvolio_26 Start: 16721, Stop: 19258, Start Num: 120

Candidate Starts for Benvolio_26:

(Start: 120 @16721 has 91 MA's), (203, 16901), (216, 16934), (289, 17066), (292, 17072), (296, 17093), (299, 17102), (328, 17189), (341, 17231), (353, 17282), (361, 17318), (363, 17330), (366, 17348), (376, 17381), (378, 17393), (379, 17396), (380, 17402), (383, 17423), (384, 17426), (425, 17612), (432, 17654), (435, 17663), (438, 17672), (453, 17729), (468, 17795), (475, 17834), (522, 17987), (590, 18140), (593, 18149), (595, 18155), (597, 18164), (605, 18185), (614, 18209), (624, 18230), (648, 18251), (662, 18290), (666, 18302), (712, 18401), (743, 18461), (753, 18488), (774, 18551), (788, 18596), (803, 18644), (881, 18824), (887, 18833), (928, 18944), (935, 18974), (949, 19058),

Gene: Bethlehem_24 Start: 17626, Stop: 20097, Start Num: 167

Candidate Starts for Bethlehem_24:

(Start: 167 @17626 has 215 MA's), (181, 17665), (211, 17728), (Start: 223 @17758 has 23 MA's), (229, 17779), (233, 17800), (273, 17830), (280, 17854), (303, 17920), (356, 18118), (362, 18151), (378, 18217), (440, 18472), (453, 18493), (460, 18520), (549, 18679), (575, 18715), (610, 18808), (617, 18829), (642, 18886), (687, 19006), (703, 19042), (718, 19072), (732, 19108), (757, 19174), (765, 19195), (777, 19237), (808, 19336), (848, 19477), (857, 19498), (901, 19633), (937, 19810), (958, 19921), (970, 19987), (975, 20008), (982, 20047), (984, 20062),

Gene: Bexan_23 Start: 17348, Stop: 19819, Start Num: 167

Candidate Starts for Bexan_23:

(Start: 167 @17348 has 215 MA's), (181, 17387), (211, 17450), (Start: 223 @17480 has 23 MA's), (229, 17501), (233, 17522), (236, 17534), (273, 17552), (280, 17576), (288, 17597), (303, 17642), (356, 17840), (362, 17873), (378, 17939), (440, 18194), (453, 18215), (460, 18242), (549, 18401), (575, 18437), (610, 18530), (617, 18551), (642, 18608), (687, 18728), (703, 18764), (718, 18794), (732, 18830), (757, 18896), (765, 18917), (808, 19058), (848, 19199), (857, 19220), (901, 19355), (937, 19532), (958, 19643), (975, 19730), (982, 19769), (986, 19799),

Gene: BiancaTri92_28 Start: 18408, Stop: 20945, Start Num: 120

Candidate Starts for BiancaTri92_28:

(Start: 120 @18408 has 91 MA's), (203, 18588), (205, 18591), (226, 18639), (292, 18759), (296, 18780), (299, 18789), (309, 18810), (321, 18843), (328, 18876), (341, 18918), (352, 18960), (353, 18969), (363, 19017), (366, 19035), (376, 19068), (378, 19080), (380, 19089), (381, 19101), (383, 19110), (425, 19299), (429, 19326), (432, 19341), (447, 19395), (453, 19416), (468, 19482), (475, 19521), (498, 19608), (590, 19827), (595, 19842), (605, 19872), (613, 19893), (614, 19896), (618, 19908), (644, 19935), (662, 19977), (673, 20004), (694, 20046), (706, 20076), (712, 20088), (743, 20148), (753, 20175), (774, 20238), (788, 20283), (792, 20295), (835, 20433), (879, 20502), (881, 20511), (887, 20520), (928, 20631), (935, 20661), (942, 20715), (949, 20745),

Gene: Big3_24 Start: 16979, Stop: 19450, Start Num: 167

Candidate Starts for Big3_24:

(Start: 167 @16979 has 215 MA's), (181, 17018), (211, 17081), (Start: 223 @17111 has 23 MA's), (229, 17132), (233, 17153), (273, 17183), (280, 17207), (303, 17273), (356, 17471), (362, 17504), (378, 17570), (440, 17825), (453, 17846), (460, 17873), (549, 18032), (575, 18068), (610, 18161), (617, 18182), (623, 18197), (630, 18218), (632, 18221), (659, 18290), (672, 18326), (687, 18359), (703, 18395), (718, 18425), (732, 18461), (757, 18527), (765, 18548), (808, 18689), (848, 18830), (857, 18851), (901, 18986), (937, 19163), (958, 19274), (975, 19361), (982, 19400), (984, 19415),

Gene: BigMau_26 Start: 16571, Stop: 19051, Start Num: 167

Candidate Starts for BigMau_26:

(Start: 167 @16571 has 215 MA's), (181, 16610), (211, 16673), (Start: 223 @16703 has 23 MA's), (233, 16745), (327, 16952), (333, 16970), (356, 17060), (369, 17123), (376, 17147), (378, 17159), (387, 17210), (537, 17594), (592, 17696), (606, 17735), (610, 17750), (614, 17762), (623, 17786), (672, 17915), (718, 18014), (757, 18116), (765, 18137), (777, 18179), (808, 18278), (823, 18341),

(852, 18431), (892, 18560), (903, 18593), (958, 18875), (970, 18941), (975, 18962), (982, 19001), (984, 19016),

Gene: BigPaolini_25 Start: 16999, Stop: 19470, Start Num: 167

Candidate Starts for BigPaolini_25:

(Start: 167 @16999 has 215 MA's), (181, 17038), (211, 17101), (Start: 223 @17131 has 23 MA's), (229, 17152), (233, 17173), (236, 17185), (273, 17203), (303, 17293), (356, 17491), (362, 17524), (378, 17590), (440, 17845), (453, 17866), (460, 17893), (549, 18052), (575, 18088), (610, 18181), (617, 18202), (623, 18217), (630, 18238), (632, 18241), (659, 18310), (672, 18346), (687, 18379), (703, 18415), (718, 18445), (732, 18481), (757, 18547), (765, 18568), (808, 18709), (848, 18850), (857, 18871), (901, 19006), (937, 19183), (958, 19294), (975, 19381), (982, 19420), (984, 19435),

Gene: Bigchungj_24 Start: 16372, Stop: 18843, Start Num: 167

Candidate Starts for Bigchungj_24:

(Start: 167 @16372 has 215 MA's), (181, 16411), (211, 16474), (Start: 223 @16504 has 23 MA's), (229, 16525), (233, 16546), (236, 16558), (273, 16576), (303, 16666), (356, 16864), (362, 16897), (378, 16963), (440, 17218), (453, 17239), (460, 17266), (549, 17425), (575, 17461), (610, 17554), (617, 17575), (642, 17632), (687, 17752), (703, 17788), (718, 17818), (732, 17854), (757, 17920), (765, 17941), (808, 18082), (848, 18223), (857, 18244), (937, 18556), (958, 18667), (965, 18709), (975, 18754), (982, 18793), (984, 18808),

Gene: Bigflo_27 Start: 15978, Stop: 19004, Start Num: 35

Candidate Starts for Bigflo_27:

(29, 15924), (Start: 35 @15978 has 84 MA's), (57, 16092), (79, 16158), (81, 16161), (85, 16170), (97, 16206), (113, 16257), (141, 16329), (174, 16401), (218, 16521), (220, 16524), (243, 16593), (260, 16638), (299, 16731), (305, 16740), (311, 16758), (321, 16785), (337, 16848), (341, 16860), (349, 16893), (353, 16911), (366, 16977), (367, 16980), (369, 16986), (373, 17001), (376, 17010), (378, 17022), (380, 17031), (393, 17109), (397, 17124), (425, 17241), (426, 17244), (430, 17271), (432, 17283), (447, 17337), (453, 17358), (468, 17424), (475, 17463), (501, 17556), (520, 17604), (538, 17649), (570, 17697), (581, 17739), (582, 17748), (593, 17778), (594, 17781), (597, 17793), (618, 17850), (623, 17856), (644, 17877), (648, 17880), (706, 18018), (712, 18030), (743, 18090), (763, 18147), (808, 18285), (812, 18306), (817, 18330), (828, 18375), (836, 18393), (852, 18441), (855, 18453), (877, 18495), (894, 18558), (914, 18615), (927, 18684), (936, 18720), (950, 18801), (980, 18936),

Gene: Bigfoot_23 Start: 16100, Stop: 18679, Start Num: 167

Candidate Starts for Bigfoot_23:

(Start: 167 @16100 has 215 MA's), (181, 16139), (211, 16202), (Start: 223 @16232 has 23 MA's), (318, 16451), (328, 16487), (369, 16655), (380, 16700), (384, 16724), (387, 16742), (482, 17054), (559, 17210), (588, 17312), (599, 17345), (624, 17417), (642, 17456), (672, 17543), (718, 17642), (757, 17744), (765, 17765), (770, 17777), (777, 17807), (808, 17906), (823, 17969), (852, 18059), (892, 18188), (903, 18221), (958, 18503), (975, 18590), (982, 18629), (986, 18659),

Gene: BillKnuckles_25 Start: 17064, Stop: 19535, Start Num: 167

Candidate Starts for BillKnuckles_25:

(Start: 167 @17064 has 215 MA's), (181, 17103), (211, 17166), (Start: 223 @17196 has 23 MA's), (229, 17217), (233, 17238), (236, 17250), (273, 17268), (288, 17313), (303, 17358), (356, 17556), (362, 17589), (378, 17655), (440, 17910), (453, 17931), (460, 17958), (549, 18117), (575, 18153), (610, 18246), (617, 18267), (642, 18324), (687, 18444), (703, 18480), (718, 18510), (732, 18546), (757, 18612), (765, 18633), (808, 18774), (848, 18915), (857, 18936), (901, 19071), (937, 19248), (958, 19359), (970, 19425), (975, 19446), (982, 19485), (984, 19500),

Gene: Bircsak_24 Start: 16849, Stop: 19329, Start Num: 167

Candidate Starts for Bircsak_24:

(Start: 167 @16849 has 215 MA's), (181, 16888), (211, 16951), (Start: 223 @16981 has 23 MA's), (233, 17023), (327, 17230), (333, 17248), (356, 17338), (369, 17401), (376, 17425), (378, 17437), (387, 17488), (537, 17872), (592, 17974), (606, 18013), (610, 18028), (614, 18040), (623, 18064), (718, 18292), (757, 18394), (765, 18415), (770, 18427), (777, 18457), (808, 18556), (823, 18619), (892, 18838), (903, 18871), (958, 19153), (975, 19240), (982, 19279), (986, 19309),

Gene: Blackflame_24 Start: 16381, Stop: 18852, Start Num: 167

Candidate Starts for Blackflame_24:

(Start: 167 @16381 has 215 MA's), (181, 16420), (211, 16483), (Start: 223 @16513 has 23 MA's), (229, 16534), (233, 16555), (236, 16567), (273, 16585), (303, 16675), (356, 16873), (362, 16906), (378, 16972), (440, 17227), (453, 17248), (460, 17275), (462, 17290), (549, 17434), (575, 17470), (610, 17563), (617, 17584), (642, 17641), (672, 17728), (687, 17761), (703, 17797), (718, 17827), (732, 17863), (757, 17929), (765, 17950), (808, 18091), (848, 18232), (857, 18253), (901, 18388), (937, 18565), (958, 18676), (975, 18763), (982, 18802), (986, 18832),

Gene: Blackmoor_25 Start: 15885, Stop: 18485, Start Num: 165

Candidate Starts for Blackmoor_25:

(Start: 165 @15885 has 118 MA's), (Start: 223 @16026 has 23 MA's), (Start: 228 @16044 has 10 MA's), (278, 16251), (291, 16290), (298, 16320), (333, 16437), (341, 16464), (356, 16527), (369, 16590), (380, 16635), (387, 16677), (405, 16761), (506, 17028), (533, 17079), (566, 17124), (595, 17202), (612, 17241), (619, 17262), (686, 17409), (695, 17430), (704, 17454), (730, 17514), (731, 17520), (732, 17523), (749, 17574), (765, 17622), (785, 17688), (828, 17853), (836, 17871), (882, 17997), (943, 18249), (944, 18252), (946, 18261), (958, 18321), (980, 18417), (986, 18465),

Gene: BlessJoy_29 Start: 16715, Stop: 18931, Start Num: 128

Candidate Starts for BlessJoy_29:

(107, 16670), (Start: 128 @16715 has 47 MA's), (175, 16826), (233, 16982), (312, 17129), (316, 17141), (355, 17288), (356, 17291), (362, 17324), (382, 17414), (395, 17483), (419, 17558), (473, 17726), (670, 17984), (707, 18029), (773, 18137), (808, 18200), (819, 18242), (852, 18341), (857, 18362), (872, 18404), (888, 18455), (899, 18482), (919, 18563), (935, 18653),

Gene: Blessor_24 Start: 16659, Stop: 19238, Start Num: 167

Candidate Starts for Blessor_24:

(Start: 167 @16659 has 215 MA's), (181, 16698), (211, 16761), (Start: 223 @16791 has 23 MA's), (318, 17010), (328, 17046), (369, 17214), (380, 17259), (384, 17283), (387, 17301), (482, 17613), (559, 17769), (588, 17871), (599, 17904), (624, 17976), (642, 18015), (672, 18102), (718, 18201), (757, 18303), (765, 18324), (770, 18336), (777, 18366), (808, 18465), (823, 18528), (892, 18747), (903, 18780), (958, 19062), (975, 19149), (982, 19188), (986, 19218),

Gene: Blinn1_29 Start: 16777, Stop: 19005, Start Num: 128

Candidate Starts for Blinn1_29:

(69, 16618), (107, 16732), (Start: 128 @16777 has 47 MA's), (175, 16888), (176, 16894), (233, 17044), (316, 17203), (325, 17230), (355, 17350), (356, 17353), (362, 17386), (382, 17476), (395, 17545), (461, 17743), (473, 17788), (638, 17992), (670, 18046), (758, 18169), (808, 18268), (810, 18277), (814, 18298), (827, 18343), (832, 18355), (899, 18562), (907, 18580), (926, 18682), (928, 18691), (935, 18721),

Gene: BluSpix_24 Start: 16360, Stop: 18831, Start Num: 167

Candidate Starts for BluSpix_24:

(Start: 167 @16360 has 215 MA's), (181, 16399), (211, 16462), (Start: 223 @16492 has 23 MA's), (229, 16513), (233, 16534), (236, 16546), (273, 16564), (303, 16654), (356, 16852), (362, 16885), (378, 16951), (440, 17206), (453, 17227), (460, 17254), (549, 17413), (575, 17449), (610, 17542),

(617, 17563), (642, 17620), (687, 17740), (703, 17776), (718, 17806), (732, 17842), (757, 17908), (765, 17929), (808, 18070), (848, 18211), (857, 18232), (901, 18367), (937, 18544), (958, 18655), (970, 18721), (975, 18742), (982, 18781), (986, 18811),

Gene: Blue_24 Start: 16469, Stop: 19303, Start Num: 167

Candidate Starts for Blue_24:

(Start: 167 @16469 has 215 MA's), (192, 16541), (300, 16784), (305, 16799), (319, 16844), (346, 16964), (350, 16982), (358, 17030), (366, 17075), (378, 17120), (379, 17123), (387, 17171), (429, 17354), (436, 17381), (458, 17465), (473, 17522), (480, 17540), (493, 17585), (504, 17621), (514, 17681), (534, 17729), (560, 17792), (561, 17795), (584, 17888), (592, 17912), (604, 17948), (610, 17975), (614, 17987), (620, 18005), (626, 18020), (650, 18083), (697, 18212), (715, 18257), (725, 18290), (729, 18302), (774, 18431), (802, 18527), (827, 18614), (828, 18617), (836, 18635), (901, 18839), (937, 19016), (958, 19127), (975, 19214), (982, 19253), (984, 19268),

Gene: Blue7_29 Start: 16707, Stop: 18923, Start Num: 128

Candidate Starts for Blue7_29:

(107, 16662), (Start: 128 @16707 has 47 MA's), (175, 16818), (233, 16974), (312, 17121), (316, 17133), (355, 17280), (356, 17283), (362, 17316), (382, 17406), (395, 17475), (419, 17550), (473, 17718), (670, 17976), (707, 18021), (773, 18129), (808, 18192), (819, 18234), (852, 18333), (857, 18354), (872, 18396), (888, 18447), (899, 18474), (919, 18555), (935, 18645),

Gene: BlueBird_26 Start: 15495, Stop: 18530, Start Num: 33

Candidate Starts for BlueBird_26:

(Start: 33 @15495 has 33 MA's), (73, 15669), (81, 15681), (92, 15714), (174, 15924), (218, 16044), (220, 16047), (299, 16251), (309, 16272), (320, 16302), (321, 16305), (337, 16368), (341, 16380), (349, 16413), (353, 16431), (367, 16500), (369, 16506), (373, 16521), (376, 16530), (378, 16542), (380, 16551), (397, 16644), (425, 16761), (426, 16764), (429, 16788), (430, 16791), (432, 16803), (447, 16857), (453, 16878), (458, 16899), (468, 16944), (472, 16971), (475, 16983), (520, 17124), (538, 17169), (546, 17184), (581, 17259), (582, 17268), (593, 17298), (597, 17313), (598, 17316), (605, 17334), (613, 17355), (614, 17358), (644, 17397), (648, 17400), (682, 17484), (712, 17550), (723, 17571), (743, 17610), (759, 17649), (765, 17670), (774, 17700), (775, 17703), (777, 17712), (784, 17736), (808, 17805), (812, 17826), (828, 17895), (836, 17913), (852, 17961), (855, 17973), (877, 18015), (880, 18027), (893, 18075), (936, 18246), (940, 18276), (946, 18306), (950, 18327), (980, 18462), (986, 18510),

Gene: Bluefalcon_21 Start: 15319, Stop: 18660, Start Num: 1

Candidate Starts for Bluefalcon_21:

(Start: 1 @15319 has 39 MA's), (32, 15757), (Start: 129 @16069 has 2 MA's), (152, 16147), (Start: 161 @16177 has 8 MA's), (184, 16234), (236, 16381), (240, 16387), (243, 16393), (312, 16519), (316, 16531), (356, 16681), (363, 16717), (369, 16747), (373, 16762), (380, 16792), (381, 16804), (386, 16828), (399, 16897), (423, 16963), (473, 17119), (506, 17188), (507, 17191), (524, 17218), (541, 17242), (589, 17380), (598, 17401), (614, 17446), (634, 17488), (722, 17680), (731, 17710), (742, 17734), (745, 17746), (751, 17767), (768, 17809), (794, 17896), (808, 17932), (812, 17953), (819, 17974), (843, 18052), (852, 18073), (857, 18094), (864, 18115), (872, 18136), (880, 18160), (902, 18223), (925, 18316), (928, 18334), (943, 18415), (946, 18427), (948, 18439), (950, 18448), (961, 18502), (979, 18586), (980, 18595),

Gene: Bob3_23 Start: 15911, Stop: 18391, Start Num: 167

Candidate Starts for Bob3_23:

(Start: 167 @15911 has 215 MA's), (181, 15950), (211, 16013), (Start: 223 @16043 has 23 MA's), (233, 16085), (327, 16292), (333, 16310), (356, 16400), (369, 16463), (376, 16487), (378, 16499), (387, 16550), (537, 16934), (592, 17036), (606, 17075), (610, 17090), (614, 17102), (623, 17126), (672, 17255), (718, 17354), (757, 17456), (765, 17477), (777, 17519), (808, 17618), (823, 17681),

(852, 17771), (892, 17900), (903, 17933), (958, 18215), (970, 18281), (975, 18302), (982, 18341), (984, 18356),

Gene: BobSwaget_29 Start: 18249, Stop: 20777, Start Num: 120

Candidate Starts for BobSwaget_29:

(Start: 120 @18249 has 91 MA's), (175, 18360), (178, 18372), (203, 18429), (205, 18432), (296, 18621), (321, 18684), (352, 18801), (353, 18810), (357, 18831), (362, 18855), (378, 18921), (380, 18930), (383, 18951), (384, 18954), (425, 19140), (432, 19182), (453, 19257), (468, 19323), (475, 19362), (538, 19548), (582, 19647), (590, 19668), (605, 19713), (644, 19776), (662, 19818), (673, 19845), (706, 19917), (712, 19929), (750, 20013), (751, 20016), (774, 20079), (788, 20124), (792, 20136), (817, 20220), (835, 20274), (871, 20325), (887, 20358), (908, 20382), (935, 20499), (949, 20577),

Gene: BobbyDazzler_21 Start: 12169, Stop: 15516, Start Num: 15

Candidate Starts for BobbyDazzler_21:

(Start: 15 @12169 has 35 MA's), (17, 12187), (31, 12310), (37, 12331), (42, 12352), (47, 12382), (63, 12421), (94, 12496), (126, 12592), (127, 12601), (Start: 159 @12676 has 1 MA's), (173, 12697), (180, 12718), (183, 12724), (197, 12772), (232, 12844), (245, 12883), (251, 12892), (276, 12946), (296, 13006), (312, 13045), (323, 13078), (333, 13117), (348, 13174), (373, 13285), (378, 13306), (380, 13315), (387, 13357), (397, 13408), (399, 13420), (420, 13492), (421, 13495), (432, 13567), (435, 13576), (448, 13624), (453, 13642), (456, 13651), (458, 13663), (467, 13705), (472, 13735), (481, 13780), (489, 13804), (504, 13849), (522, 13900), (528, 13912), (531, 13915), (538, 13933), (546, 13948), (577, 13999), (590, 14053), (603, 14095), (627, 14149), (659, 14194), (700, 14290), (713, 14320), (750, 14404), (779, 14494), (790, 14530), (792, 14542), (793, 14551), (795, 14560), (798, 14566), (804, 14584), (808, 14593), (837, 14707), (842, 14728), (852, 14749), (865, 14773), (884, 14827), (897, 14872), (915, 14944), (921, 14968), (929, 15013), (933, 15031), (945, 15106), (950, 15139), (959, 15181), (978, 15274), (981, 15298), (992, 15454), (994, 15472),

Gene: BogosyJay_27 Start: 17339, Stop: 20263, Start Num: 51

Candidate Starts for BogosyJay_27:

(Start: 51 @17339 has 33 MA's), (54, 17351), (59, 17375), (63, 17387), (127, 17576), (153, 17639), (182, 17702), (194, 17744), (220, 17801), (222, 17807), (301, 18017), (305, 18023), (310, 18038), (326, 18089), (336, 18128), (341, 18143), (352, 18185), (353, 18194), (362, 18239), (367, 18263), (380, 18314), (383, 18335), (384, 18338), (387, 18356), (419, 18485), (425, 18524), (429, 18551), (432, 18566), (440, 18596), (447, 18620), (453, 18641), (468, 18707), (475, 18746), (501, 18839), (508, 18866), (538, 18932), (569, 18977), (590, 19052), (605, 19097), (613, 19118), (623, 19139), (624, 19142), (644, 19160), (648, 19163), (659, 19190), (660, 19193), (667, 19217), (696, 19277), (701, 19289), (736, 19355), (774, 19463), (788, 19508), (792, 19520), (803, 19556), (805, 19559), (817, 19604), (825, 19640), (830, 19655), (846, 19706), (877, 19769), (893, 19829), (909, 19871), (927, 19949), (934, 19976), (936, 19985), (944, 20036), (962, 20135), (968, 20162), (981, 20201), (987, 20243),

Gene: Bombshell_25 Start: 15885, Stop: 18485, Start Num: 165

Candidate Starts for Bombshell_25:

(Start: 165 @15885 has 118 MA's), (Start: 223 @16026 has 23 MA's), (Start: 228 @16044 has 10 MA's), (278, 16251), (291, 16290), (298, 16320), (333, 16437), (341, 16464), (356, 16527), (369, 16590), (380, 16635), (387, 16677), (405, 16761), (506, 17028), (533, 17079), (566, 17124), (595, 17202), (610, 17235), (612, 17241), (619, 17262), (686, 17409), (695, 17430), (704, 17454), (731, 17520), (749, 17574), (765, 17622), (785, 17688), (828, 17853), (836, 17871), (882, 17997), (943, 18249), (944, 18252), (946, 18261), (958, 18321), (980, 18417), (986, 18465),

Gene: Bonamassa_22 Start: 15244, Stop: 18582, Start Num: 1

Candidate Starts for Bonamassa_22:

(Start: 1 @15244 has 39 MA's), (32, 15682), (Start: 129 @15994 has 2 MA's), (152, 16072), (Start: 161 @16102 has 8 MA's), (184, 16159), (221, 16243), (236, 16306), (240, 16312), (310, 16432), (336, 16522), (337, 16525), (356, 16600), (365, 16645), (369, 16663), (380, 16708), (383, 16729), (429, 16921), (484, 17059), (507, 17107), (554, 17185), (595, 17311), (598, 17323), (608, 17347), (634, 17410), (722, 17602), (731, 17632), (742, 17656), (745, 17668), (768, 17731), (808, 17854), (812, 17875), (819, 17896), (843, 17974), (852, 17995), (864, 18037), (872, 18058), (902, 18145), (911, 18175), (925, 18238), (928, 18256), (943, 18337), (946, 18349), (948, 18361), (950, 18370), (961, 18424), (979, 18508), (983, 18547),

Gene: Bonanza_21 Start: 12098, Stop: 15445, Start Num: 15

Candidate Starts for Bonanza_21:

(Start: 15 @12098 has 35 MA's), (17, 12116), (31, 12239), (37, 12260), (42, 12281), (45, 12299), (47, 12311), (63, 12350), (94, 12425), (126, 12521), (127, 12530), (Start: 159 @12605 has 1 MA's), (173, 12626), (180, 12647), (183, 12653), (197, 12701), (232, 12773), (245, 12812), (251, 12821), (276, 12875), (296, 12935), (312, 12974), (323, 13007), (333, 13046), (348, 13103), (373, 13214), (378, 13235), (380, 13244), (387, 13286), (397, 13337), (399, 13349), (420, 13421), (421, 13424), (432, 13496), (435, 13505), (446, 13547), (448, 13553), (453, 13571), (456, 13580), (458, 13592), (467, 13634), (472, 13664), (473, 13667), (481, 13709), (489, 13733), (504, 13778), (522, 13829), (528, 13841), (531, 13844), (538, 13862), (546, 13877), (577, 13928), (590, 13982), (603, 14024), (627, 14078), (640, 14081), (659, 14123), (700, 14219), (713, 14249), (750, 14333), (779, 14423), (790, 14459), (792, 14471), (793, 14480), (795, 14489), (798, 14495), (804, 14513), (808, 14522), (837, 14636), (842, 14657), (852, 14678), (865, 14702), (884, 14756), (897, 14801), (915, 14873), (921, 14897), (929, 14942), (933, 14960), (945, 15035), (950, 15068), (959, 15110), (978, 15203), (981, 15227), (992, 15383), (994, 15401),

Gene: Bones_24 Start: 16097, Stop: 18757, Start Num: 167

Candidate Starts for Bones_24:

(Start: 167 @16097 has 215 MA's), (181, 16136), (211, 16199), (Start: 223 @16229 has 23 MA's), (233, 16271), (356, 16580), (369, 16643), (380, 16688), (385, 16712), (400, 16787), (403, 16799), (504, 17120), (610, 17450), (629, 17501), (642, 17528), (719, 17732), (762, 17846), (765, 17855), (772, 17876), (777, 17897), (808, 17996), (819, 18038), (820, 18041), (860, 18170), (888, 18254), (904, 18299), (958, 18581), (970, 18647), (975, 18668), (982, 18707), (984, 18722),

Gene: Boohoo_28 Start: 15923, Stop: 18112, Start Num: 188

Candidate Starts for Boohoo_28:

(Start: 129 @15746 has 2 MA's), (Start: 134 @15755 has 4 MA's), (Start: 188 @15923 has 18 MA's), (310, 16166), (312, 16172), (332, 16241), (347, 16298), (380, 16442), (387, 16484), (396, 16532), (397, 16535), (428, 16646), (431, 16664), (473, 16769), (495, 16817), (563, 16922), (585, 16982), (611, 17036), (633, 17072), (646, 17096), (648, 17105), (671, 17168), (685, 17189), (692, 17204), (705, 17228), (710, 17240), (741, 17294), (746, 17315), (761, 17345), (833, 17516), (839, 17537), (872, 17621), (950, 17924), (980, 18047), (981, 18059),

Gene: Bowtie_26 Start: 17163, Stop: 19709, Start Num: 125

Candidate Starts for Bowtie_26:

(Start: 125 @17163 has 22 MA's), (Start: 131 @17181 has 2 MA's), (Start: 188 @17355 has 18 MA's), (192, 17364), (233, 17439), (291, 17493), (308, 17547), (313, 17562), (314, 17565), (321, 17583), (337, 17646), (341, 17658), (356, 17721), (369, 17784), (373, 17799), (376, 17808), (380, 17829), (384, 17853), (387, 17868), (408, 17955), (410, 17958), (416, 17973), (422, 17994), (424, 18006), (440, 18072), (464, 18144), (473, 18168), (503, 18249), (506, 18258), (510, 18270), (522, 18312), (562, 18369), (580, 18423), (618, 18531), (638, 18570), (698, 18711), (742, 18807), (746, 18828), (760, 18861), (773, 18894), (774, 18897), (807, 18981), (819, 19026), (820, 19029), (854, 19143), (864, 19176), (888, 19248), (902, 19284), (919, 19356), (935, 19434), (944, 19488), (949, 19512), (976, 19623),

Gene: Bradman_25 Start: 15528, Stop: 18041, Start Num: 120

Candidate Starts for Bradman_25:

(Start: 120 @15528 has 91 MA's), (175, 15639), (200, 15705), (203, 15708), (205, 15711), (296, 15897), (299, 15906), (305, 15915), (341, 16035), (353, 16086), (364, 16143), (367, 16155), (369, 16161), (373, 16176), (378, 16197), (380, 16206), (388, 16254), (425, 16416), (430, 16446), (432, 16458), (443, 16497), (447, 16512), (453, 16533), (466, 16590), (468, 16599), (472, 16626), (498, 16725), (538, 16824), (546, 16839), (582, 16923), (590, 16944), (605, 16989), (644, 17052), (648, 17055), (666, 17106), (673, 17121), (743, 17265), (753, 17292), (774, 17355), (778, 17370), (788, 17400), (817, 17496), (842, 17562), (881, 17625), (944, 17820), (945, 17823), (949, 17844),

Gene: Bradshaw_21 Start: 12124, Stop: 15471, Start Num: 15

Candidate Starts for Bradshaw_21:

(Start: 15 @12124 has 35 MA's), (17, 12142), (31, 12265), (37, 12286), (42, 12307), (47, 12337), (94, 12451), (107, 12499), (126, 12547), (127, 12556), (Start: 159 @12631 has 1 MA's), (173, 12652), (180, 12673), (183, 12679), (197, 12727), (232, 12799), (245, 12838), (251, 12847), (276, 12901), (294, 12955), (296, 12961), (312, 13000), (323, 13033), (333, 13072), (348, 13129), (373, 13240), (378, 13261), (380, 13270), (387, 13312), (397, 13363), (399, 13375), (420, 13447), (421, 13450), (432, 13522), (435, 13531), (441, 13555), (448, 13579), (450, 13588), (452, 13594), (453, 13597), (456, 13606), (458, 13618), (467, 13660), (472, 13690), (477, 13714), (481, 13735), (489, 13759), (504, 13804), (522, 13855), (528, 13867), (531, 13870), (538, 13888), (546, 13903), (577, 13954), (590, 14008), (652, 14131), (661, 14158), (670, 14182), (684, 14209), (700, 14245), (713, 14275), (750, 14359), (776, 14440), (790, 14485), (792, 14497), (793, 14506), (795, 14515), (798, 14521), (799, 14527), (808, 14548), (837, 14662), (842, 14683), (865, 14728), (884, 14782), (897, 14827), (915, 14899), (921, 14923), (929, 14968), (933, 14986), (945, 15061), (950, 15094), (959, 15136), (973, 15214), (978, 15229), (981, 15253), (992, 15409), (993, 15421), (994, 15427),

Gene: BreSam8_27 Start: 15972, Stop: 18998, Start Num: 35

Candidate Starts for BreSam8_27:

(29, 15918), (Start: 35 @15972 has 84 MA's), (57, 16086), (79, 16152), (81, 16155), (85, 16164), (97, 16200), (113, 16251), (141, 16323), (174, 16395), (218, 16515), (220, 16518), (243, 16587), (260, 16632), (299, 16725), (305, 16734), (311, 16752), (321, 16779), (337, 16842), (341, 16854), (349, 16887), (353, 16905), (366, 16971), (367, 16974), (369, 16980), (373, 16995), (376, 17004), (378, 17016), (380, 17025), (397, 17118), (425, 17235), (426, 17238), (430, 17265), (432, 17277), (447, 17331), (453, 17352), (468, 17418), (472, 17445), (501, 17550), (520, 17598), (538, 17643), (570, 17691), (581, 17733), (582, 17742), (593, 17772), (594, 17775), (597, 17787), (618, 17844), (623, 17850), (644, 17871), (648, 17874), (706, 18012), (712, 18024), (743, 18084), (765, 18144), (774, 18174), (775, 18177), (777, 18186), (808, 18279), (828, 18369), (852, 18435), (855, 18447), (877, 18489), (894, 18552), (914, 18609), (927, 18678), (936, 18714), (950, 18795), (980, 18930),

Gene: Briton15_26 Start: 16649, Stop: 19126, Start Num: 169

Candidate Starts for Briton15_26:

(Start: 169 @16649 has 9 MA's), (174, 16664), (Start: 223 @16778 has 23 MA's), (233, 16820), (327, 17027), (333, 17045), (356, 17135), (369, 17198), (376, 17222), (378, 17234), (387, 17285), (537, 17669), (592, 17771), (606, 17810), (614, 17837), (623, 17861), (672, 17990), (718, 18089), (757, 18191), (765, 18212), (777, 18254), (808, 18353), (823, 18416), (852, 18506), (892, 18635), (903, 18668), (937, 18839), (958, 18950), (970, 19016), (975, 19037), (982, 19076), (984, 19091),

Gene: Broseidon_25 Start: 15885, Stop: 18485, Start Num: 165

Candidate Starts for Broseidon_25:

(Start: 165 @15885 has 118 MA's), (Start: 223 @16026 has 23 MA's), (Start: 228 @16044 has 10 MA's), (278, 16251), (291, 16290), (298, 16320), (333, 16437), (341, 16464), (356, 16527), (369, 16590), (380, 16635), (387, 16677), (405, 16761), (506, 17028), (533, 17079), (566, 17124), (595,

17202), (612, 17241), (619, 17262), (686, 17409), (695, 17430), (704, 17454), (730, 17514), (731, 17520), (732, 17523), (749, 17574), (765, 17622), (785, 17688), (828, 17853), (836, 17871), (882, 17997), (943, 18249), (944, 18252), (946, 18261), (958, 18321), (980, 18417), (986, 18465),

Gene: Bruiser_24 Start: 15885, Stop: 18485, Start Num: 165

Candidate Starts for Bruiser_24:

(Start: 165 @15885 has 118 MA's), (Start: 223 @16026 has 23 MA's), (Start: 228 @16044 has 10 MA's), (278, 16251), (291, 16290), (298, 16320), (333, 16437), (341, 16464), (356, 16527), (369, 16590), (380, 16635), (387, 16677), (405, 16761), (506, 17028), (533, 17079), (566, 17124), (595, 17202), (612, 17241), (619, 17262), (686, 17409), (695, 17430), (704, 17454), (730, 17514), (731, 17520), (732, 17523), (749, 17574), (765, 17622), (785, 17688), (828, 17853), (836, 17871), (882, 17997), (943, 18249), (944, 18252), (946, 18261), (958, 18321), (980, 18417), (986, 18465),

Gene: Bruns_23 Start: 16283, Stop: 18754, Start Num: 167

Candidate Starts for Bruns_23:

(Start: 167 @16283 has 215 MA's), (181, 16322), (211, 16385), (Start: 223 @16415 has 23 MA's), (229, 16436), (233, 16457), (236, 16469), (273, 16487), (303, 16577), (356, 16775), (362, 16808), (378, 16874), (440, 17129), (453, 17150), (460, 17177), (549, 17336), (575, 17372), (610, 17465), (617, 17486), (623, 17501), (630, 17522), (632, 17525), (659, 17594), (672, 17630), (687, 17663), (703, 17699), (707, 17708), (718, 17729), (732, 17765), (757, 17831), (765, 17852), (808, 17993), (848, 18134), (857, 18155), (901, 18290), (937, 18467), (958, 18578), (975, 18665), (982, 18704), (984, 18719),

Gene: Bryce_21 Start: 12098, Stop: 15445, Start Num: 15

Candidate Starts for Bryce_21:

(Start: 15 @12098 has 35 MA's), (17, 12116), (31, 12239), (37, 12260), (42, 12281), (47, 12311), (63, 12350), (94, 12425), (126, 12521), (127, 12530), (Start: 159 @12605 has 1 MA's), (173, 12626), (180, 12647), (183, 12653), (197, 12701), (232, 12773), (245, 12812), (251, 12821), (276, 12875), (296, 12935), (312, 12974), (323, 13007), (333, 13046), (348, 13103), (373, 13214), (378, 13235), (380, 13244), (387, 13286), (397, 13337), (399, 13349), (420, 13421), (421, 13424), (432, 13496), (435, 13505), (448, 13553), (453, 13571), (456, 13580), (458, 13592), (467, 13634), (472, 13664), (481, 13709), (489, 13733), (504, 13778), (522, 13829), (528, 13841), (531, 13844), (538, 13862), (546, 13877), (577, 13928), (590, 13982), (603, 14024), (627, 14078), (640, 14081), (700, 14219), (713, 14249), (750, 14333), (779, 14423), (790, 14459), (792, 14471), (793, 14480), (795, 14489), (798, 14495), (804, 14513), (808, 14522), (837, 14636), (842, 14657), (865, 14702), (884, 14756), (897, 14801), (915, 14873), (921, 14897), (929, 14942), (933, 14960), (945, 15035), (950, 15068), (959, 15110), (978, 15203), (981, 15227), (992, 15383), (994, 15401),

Gene: BubbleTrouble_25 Start: 15885, Stop: 18485, Start Num: 165

Candidate Starts for BubbleTrouble_25:

(Start: 165 @15885 has 118 MA's), (Start: 223 @16026 has 23 MA's), (Start: 228 @16044 has 10 MA's), (278, 16251), (291, 16290), (298, 16320), (333, 16437), (341, 16464), (356, 16527), (369, 16590), (380, 16635), (387, 16677), (405, 16761), (506, 17028), (533, 17079), (566, 17124), (595, 17202), (612, 17241), (662, 17355), (686, 17409), (704, 17454), (730, 17514), (736, 17532), (749, 17574), (765, 17622), (785, 17688), (828, 17853), (836, 17871), (882, 17997), (943, 18249), (944, 18252), (946, 18261), (958, 18321), (980, 18417), (986, 18465),

Gene: Bud_26 Start: 17169, Stop: 19715, Start Num: 125

Candidate Starts for Bud_26:

(Start: 125 @17169 has 22 MA's), (Start: 131 @17187 has 2 MA's), (Start: 188 @17361 has 18 MA's), (192, 17370), (233, 17445), (291, 17499), (308, 17553), (313, 17568), (314, 17571), (321, 17589), (337, 17652), (341, 17664), (356, 17727), (369, 17790), (373, 17805), (376, 17814), (380, 17835), (384, 17859), (387, 17874), (408, 17961), (410, 17964), (416, 17979), (422, 18000), (424, 18012),

(440, 18078), (462, 18141), (464, 18150), (473, 18174), (503, 18255), (506, 18264), (510, 18276), (522, 18318), (562, 18375), (580, 18429), (618, 18537), (638, 18576), (698, 18717), (742, 18813), (746, 18834), (760, 18867), (773, 18900), (774, 18903), (807, 18987), (819, 19032), (820, 19035), (854, 19149), (864, 19182), (888, 19254), (902, 19290), (919, 19362), (935, 19440), (944, 19494), (949, 19518), (976, 19629),

Gene: Bugatti_25 Start: 15495, Stop: 18530, Start Num: 33

Candidate Starts for Bugatti_25:

(Start: 33 @15495 has 33 MA's), (73, 15669), (81, 15681), (92, 15714), (174, 15924), (218, 16044), (220, 16047), (299, 16251), (309, 16272), (320, 16302), (321, 16305), (337, 16368), (341, 16380), (349, 16413), (353, 16431), (367, 16500), (369, 16506), (373, 16521), (376, 16530), (378, 16542), (380, 16551), (397, 16644), (425, 16761), (426, 16764), (429, 16788), (430, 16791), (432, 16803), (447, 16857), (453, 16878), (458, 16899), (468, 16944), (472, 16971), (475, 16983), (520, 17124), (538, 17169), (546, 17184), (581, 17259), (582, 17268), (593, 17298), (597, 17313), (598, 17316), (605, 17334), (613, 17355), (614, 17358), (644, 17397), (648, 17400), (682, 17484), (712, 17550), (723, 17571), (743, 17610), (759, 17649), (765, 17670), (774, 17700), (775, 17703), (777, 17712), (784, 17736), (808, 17805), (812, 17826), (828, 17895), (836, 17913), (852, 17961), (855, 17973), (877, 18015), (880, 18027), (893, 18075), (936, 18246), (940, 18276), (946, 18306), (950, 18327), (980, 18462), (986, 18510),

Gene: Bugsy_28 Start: 17119, Stop: 19662, Start Num: 120

Candidate Starts for Bugsy_28:

(Start: 120 @17119 has 91 MA's), (203, 17299), (205, 17302), (289, 17470), (292, 17476), (296, 17497), (299, 17506), (305, 17515), (309, 17527), (324, 17572), (328, 17593), (341, 17635), (353, 17686), (362, 17731), (363, 17734), (366, 17752), (376, 17785), (378, 17797), (380, 17806), (383, 17827), (384, 17830), (401, 17917), (425, 18016), (432, 18058), (435, 18067), (438, 18076), (453, 18133), (468, 18199), (475, 18238), (501, 18331), (515, 18367), (538, 18424), (577, 18490), (582, 18523), (587, 18538), (590, 18544), (593, 18553), (597, 18568), (605, 18589), (613, 18610), (623, 18631), (624, 18634), (644, 18652), (648, 18655), (666, 18706), (694, 18763), (701, 18781), (712, 18805), (743, 18865), (753, 18892), (774, 18955), (788, 19000), (827, 19138), (881, 19228), (887, 19237), (908, 19261), (928, 19348), (935, 19378), (949, 19462),

Gene: Bumblebee11_25 Start: 15885, Stop: 18485, Start Num: 165

Candidate Starts for Bumblebee11_25:

(Start: 165 @15885 has 118 MA's), (266, 16200), (271, 16227), (284, 16275), (304, 16332), (333, 16437), (337, 16452), (341, 16464), (356, 16527), (380, 16635), (383, 16656), (387, 16677), (533, 17079), (565, 17121), (566, 17124), (610, 17235), (612, 17241), (669, 17373), (686, 17409), (705, 17457), (749, 17574), (785, 17688), (828, 17853), (836, 17871), (878, 17985), (882, 17997), (913, 18087), (931, 18180), (944, 18252), (946, 18261), (958, 18321), (960, 18330), (980, 18417), (986, 18465),

Gene: Burger_24 Start: 15885, Stop: 18485, Start Num: 165

Candidate Starts for Burger_24:

(Start: 165 @15885 has 118 MA's), (Start: 223 @16026 has 23 MA's), (Start: 228 @16044 has 10 MA's), (278, 16251), (291, 16290), (298, 16320), (333, 16437), (341, 16464), (356, 16527), (369, 16590), (380, 16635), (387, 16677), (405, 16761), (471, 16968), (506, 17028), (533, 17079), (566, 17124), (595, 17202), (610, 17235), (612, 17241), (658, 17337), (660, 17346), (686, 17409), (695, 17430), (705, 17457), (730, 17514), (731, 17520), (749, 17574), (765, 17622), (785, 17688), (828, 17853), (836, 17871), (882, 17997), (943, 18249), (944, 18252), (946, 18261), (958, 18321), (980, 18417), (986, 18465),

Gene: Burton_25 Start: 16481, Stop: 18952, Start Num: 167

Candidate Starts for Burton_25:

(Start: 167 @16481 has 215 MA's), (181, 16520), (211, 16583), (Start: 223 @16613 has 23 MA's), (229, 16634), (233, 16655), (236, 16667), (273, 16685), (280, 16709), (303, 16775), (356, 16973), (362, 17006), (378, 17072), (440, 17327), (453, 17348), (460, 17375), (549, 17534), (575, 17570), (610, 17663), (617, 17684), (642, 17741), (687, 17861), (703, 17897), (718, 17927), (732, 17963), (757, 18029), (765, 18050), (808, 18191), (848, 18332), (857, 18353), (901, 18488), (937, 18665), (958, 18776), (970, 18842), (975, 18863), (982, 18902), (984, 18917),

Gene: Buttons_25 Start: 16845, Stop: 19313, Start Num: 167

Candidate Starts for Buttons_25:

(Start: 167 @16845 has 215 MA's), (181, 16884), (211, 16947), (Start: 223 @16977 has 23 MA's), (229, 16998), (233, 17019), (236, 17031), (273, 17049), (303, 17139), (356, 17334), (362, 17367), (378, 17433), (440, 17688), (453, 17709), (460, 17736), (471, 17775), (498, 17832), (533, 17862), (549, 17895), (575, 17931), (610, 18024), (617, 18045), (642, 18102), (687, 18222), (703, 18258), (718, 18288), (732, 18324), (757, 18390), (765, 18411), (777, 18453), (808, 18552), (848, 18693), (857, 18714), (923, 18945), (937, 19026), (958, 19137), (975, 19224), (982, 19263), (984, 19278),

Gene: BuzzBuzz_26 Start: 16063, Stop: 19089, Start Num: 35

Candidate Starts for BuzzBuzz_26:

(29, 16009), (Start: 35 @16063 has 84 MA's), (57, 16177), (79, 16243), (81, 16246), (85, 16255), (97, 16291), (113, 16342), (141, 16414), (174, 16486), (218, 16606), (220, 16609), (243, 16678), (260, 16723), (299, 16816), (305, 16825), (311, 16843), (321, 16870), (337, 16933), (341, 16945), (349, 16978), (353, 16996), (366, 17062), (367, 17065), (369, 17071), (373, 17086), (376, 17095), (378, 17107), (380, 17116), (393, 17194), (397, 17209), (425, 17326), (426, 17329), (430, 17356), (432, 17368), (447, 17422), (453, 17443), (468, 17509), (475, 17548), (501, 17641), (520, 17689), (538, 17734), (570, 17782), (581, 17824), (582, 17833), (593, 17863), (594, 17866), (597, 17878), (618, 17935), (623, 17941), (644, 17962), (648, 17965), (706, 18103), (712, 18115), (743, 18175), (763, 18232), (808, 18370), (812, 18391), (817, 18415), (828, 18460), (836, 18478), (852, 18526), (855, 18538), (877, 18580), (894, 18643), (914, 18700), (927, 18769), (936, 18805), (950, 18886), (980, 19021),

Gene: Bxb1_22 Start: 16432, Stop: 18903, Start Num: 167

Candidate Starts for Bxb1_22:

(Start: 167 @16432 has 215 MA's), (181, 16471), (211, 16534), (Start: 223 @16564 has 23 MA's), (229, 16585), (233, 16606), (236, 16618), (273, 16636), (288, 16681), (303, 16726), (356, 16924), (362, 16957), (378, 17023), (440, 17278), (453, 17299), (460, 17326), (549, 17485), (575, 17521), (610, 17614), (617, 17635), (642, 17692), (687, 17812), (703, 17848), (718, 17878), (732, 17914), (757, 17980), (765, 18001), (808, 18142), (848, 18283), (857, 18304), (901, 18439), (937, 18616), (958, 18727), (970, 18793), (975, 18814), (982, 18853), (984, 18868),

Gene: Bxz2_26 Start: 16073, Stop: 19099, Start Num: 35

Candidate Starts for Bxz2_26:

(29, 16019), (Start: 35 @16073 has 84 MA's), (57, 16187), (79, 16253), (81, 16256), (85, 16265), (97, 16301), (113, 16352), (141, 16424), (174, 16496), (218, 16616), (220, 16619), (243, 16688), (260, 16733), (299, 16826), (305, 16835), (311, 16853), (321, 16880), (337, 16943), (341, 16955), (349, 16988), (353, 17006), (366, 17072), (367, 17075), (369, 17081), (373, 17096), (376, 17105), (378, 17117), (380, 17126), (393, 17204), (397, 17219), (425, 17336), (426, 17339), (430, 17366), (432, 17378), (447, 17432), (453, 17453), (468, 17519), (475, 17558), (501, 17651), (520, 17699), (538, 17744), (570, 17792), (581, 17834), (582, 17843), (593, 17873), (594, 17876), (597, 17888), (618, 17945), (623, 17951), (644, 17972), (648, 17975), (706, 18113), (712, 18125), (743, 18185), (763, 18242), (808, 18380), (812, 18401), (817, 18425), (828, 18470), (836, 18488), (852, 18536), (855, 18548), (877, 18590), (894, 18653), (914, 18710), (927, 18779), (936, 18815), (950, 18896), (980, 19031),

Gene: C3_24 Start: 16651, Stop: 19164, Start Num: 120

Candidate Starts for C3_24:

(Start: 120 @16651 has 91 MA's), (203, 16831), (205, 16834), (261, 16945), (321, 17080), (336, 17140), (341, 17155), (348, 17185), (349, 17188), (366, 17272), (373, 17296), (379, 17320), (383, 17347), (384, 17350), (407, 17461), (425, 17536), (429, 17563), (432, 17578), (447, 17632), (453, 17653), (468, 17719), (470, 17737), (472, 17746), (498, 17845), (508, 17878), (515, 17887), (538, 17944), (546, 17959), (590, 18064), (648, 18175), (654, 18187), (657, 18193), (666, 18226), (723, 18346), (774, 18475), (778, 18490), (788, 18520), (792, 18532), (803, 18568), (842, 18682), (856, 18694), (879, 18736), (945, 18943), (948, 18961), (949, 18964), (989, 19150),

Gene: CRB1_26 Start: 16605, Stop: 19142, Start Num: 120

Candidate Starts for CRB1_26:

(Start: 120 @16605 has 91 MA's), (203, 16785), (205, 16788), (226, 16836), (289, 16950), (292, 16956), (296, 16977), (299, 16986), (307, 17001), (328, 17073), (341, 17115), (353, 17166), (363, 17214), (366, 17232), (376, 17265), (378, 17277), (380, 17286), (425, 17496), (432, 17538), (435, 17547), (438, 17556), (453, 17613), (467, 17676), (468, 17679), (475, 17718), (522, 17871), (525, 17877), (538, 17904), (569, 17949), (590, 18024), (593, 18033), (597, 18048), (605, 18069), (614, 18093), (624, 18114), (648, 18135), (666, 18186), (694, 18243), (712, 18285), (740, 18336), (743, 18345), (753, 18372), (774, 18435), (827, 18618), (881, 18708), (887, 18717), (928, 18828), (935, 18858), (949, 18942),

Gene: CactusRose_23 Start: 16092, Stop: 18752, Start Num: 167

Candidate Starts for CactusRose_23:

(Start: 167 @16092 has 215 MA's), (181, 16131), (211, 16194), (213, 16200), (Start: 223 @16224 has 23 MA's), (233, 16266), (356, 16575), (369, 16638), (380, 16683), (385, 16707), (400, 16782), (403, 16794), (504, 17115), (610, 17445), (629, 17496), (642, 17523), (719, 17727), (762, 17841), (765, 17850), (772, 17871), (777, 17892), (808, 17991), (819, 18033), (820, 18036), (842, 18111), (860, 18165), (888, 18249), (904, 18294), (958, 18576), (975, 18663), (982, 18702), (984, 18717),

Gene: Caelakin_25 Start: 15885, Stop: 18485, Start Num: 165

Candidate Starts for Caelakin_25:

(Start: 165 @15885 has 118 MA's), (Start: 223 @16026 has 23 MA's), (Start: 228 @16044 has 10 MA's), (278, 16251), (291, 16290), (298, 16320), (333, 16437), (341, 16464), (356, 16527), (369, 16590), (380, 16635), (387, 16677), (405, 16761), (506, 17028), (533, 17079), (566, 17124), (595, 17202), (612, 17241), (619, 17262), (686, 17409), (695, 17430), (704, 17454), (730, 17514), (731, 17520), (732, 17523), (749, 17574), (765, 17622), (785, 17688), (828, 17853), (836, 17871), (882, 17997), (943, 18249), (944, 18252), (946, 18261), (958, 18321), (980, 18417), (986, 18465),

Gene: Caitlin_22 Start: 14546, Stop: 17623, Start Num: 14

Candidate Starts for Caitlin_22:

(Start: 14 @14546 has 12 MA's), (22, 14630), (48, 14798), (50, 14822), (76, 14870), (113, 14990), (138, 15062), (191, 15212), (192, 15215), (198, 15221), (291, 15407), (310, 15467), (312, 15473), (331, 15539), (339, 15566), (342, 15581), (355, 15632), (356, 15635), (362, 15668), (369, 15701), (408, 15869), (464, 16052), (473, 16076), (495, 16124), (506, 16145), (507, 16148), (572, 16292), (587, 16349), (601, 16379), (616, 16418), (653, 16490), (662, 16520), (712, 16619), (725, 16649), (742, 16694), (808, 16892), (812, 16913), (815, 16925), (852, 17033), (872, 17096), (880, 17120), (889, 17150), (902, 17183), (912, 17216), (925, 17276), (930, 17303), (949, 17402), (950, 17408), (967, 17498), (976, 17519), (982, 17558), (991, 17606),

Gene: Calvinny_28 Start: 16057, Stop: 19083, Start Num: 35

Candidate Starts for Calvinny_28:

(29, 16003), (Start: 35 @16057 has 84 MA's), (57, 16171), (79, 16237), (81, 16240), (85, 16249), (97, 16285), (113, 16336), (141, 16408), (174, 16480), (218, 16600), (220, 16603), (243, 16672), (260,

16717), (299, 16810), (305, 16819), (321, 16864), (330, 16903), (337, 16927), (341, 16939), (349, 16972), (353, 16990), (357, 17011), (367, 17059), (369, 17065), (373, 17080), (376, 17089), (378, 17101), (380, 17110), (397, 17203), (421, 17290), (425, 17320), (426, 17323), (430, 17350), (432, 17362), (447, 17416), (453, 17437), (461, 17467), (468, 17503), (498, 17629), (520, 17683), (538, 17728), (570, 17776), (581, 17818), (582, 17827), (593, 17857), (618, 17929), (623, 17935), (644, 17956), (648, 17959), (654, 17971), (702, 18088), (706, 18097), (743, 18169), (744, 18172), (759, 18208), (774, 18259), (775, 18262), (777, 18271), (828, 18454), (852, 18520), (855, 18532), (877, 18574), (894, 18637), (914, 18694), (927, 18763), (936, 18799), (950, 18880), (980, 19015), (981, 19027),

Gene: Camperdownii_24 Start: 15504, Stop: 18104, Start Num: 165

Candidate Starts for Camperdownii_24:

(Start: 165 @15504 has 118 MA's), (Start: 223 @15645 has 23 MA's), (Start: 228 @15663 has 10 MA's), (266, 15819), (278, 15870), (291, 15909), (298, 15939), (341, 16083), (356, 16146), (369, 16209), (380, 16254), (387, 16296), (405, 16380), (506, 16647), (533, 16698), (566, 16743), (595, 16821), (610, 16854), (612, 16860), (662, 16974), (686, 17028), (704, 17073), (730, 17133), (749, 17193), (785, 17307), (828, 17472), (836, 17490), (882, 17616), (943, 17868), (944, 17871), (946, 17880), (958, 17940), (980, 18036), (986, 18084),

Gene: Candra_29 Start: 16771, Stop: 18975, Start Num: 128

Candidate Starts for Candra_29:

(69, 16612), (107, 16726), (Start: 128 @16771 has 47 MA's), (175, 16882), (176, 16888), (Start: 223 @16996 has 23 MA's), (233, 17038), (284, 17104), (316, 17197), (325, 17224), (356, 17347), (362, 17380), (382, 17470), (395, 17539), (473, 17782), (577, 17920), (670, 18040), (773, 18193), (808, 18256), (819, 18298), (852, 18397), (857, 18418), (864, 18439), (872, 18460), (888, 18511), (892, 18523), (899, 18538), (919, 18619), (935, 18697),

Gene: Caraxes_25 Start: 15288, Stop: 17795, Start Num: 124

Candidate Starts for Caraxes_25:

(Start: 117 @15270 has 5 MA's), (124, 15288), (175, 15393), (200, 15459), (203, 15462), (205, 15465), (265, 15585), (305, 15666), (321, 15711), (341, 15786), (352, 15828), (362, 15882), (366, 15903), (376, 15936), (380, 15957), (383, 15978), (384, 15981), (425, 16167), (429, 16194), (432, 16209), (447, 16263), (453, 16284), (468, 16350), (538, 16575), (546, 16590), (568, 16617), (569, 16620), (590, 16695), (597, 16719), (598, 16722), (605, 16740), (644, 16803), (648, 16806), (662, 16845), (666, 16857), (706, 16944), (712, 16956), (743, 17016), (744, 17019), (753, 17043), (763, 17073), (774, 17106), (817, 17247), (842, 17313), (881, 17376), (945, 17574), (949, 17595), (962, 17670), (977, 17706), (988, 17781),

Gene: Carlyle_26 Start: 17233, Stop: 19632, Start Num: 167

Candidate Starts for Carlyle_26:

(Start: 167 @17233 has 215 MA's), (181, 17272), (211, 17335), (Start: 223 @17365 has 23 MA's), (229, 17386), (233, 17407), (236, 17419), (246, 17437), (303, 17527), (356, 17725), (362, 17758), (378, 17824), (452, 18079), (459, 18100), (464, 18127), (483, 18166), (537, 18223), (567, 18253), (645, 18415), (711, 18568), (718, 18580), (726, 18595), (763, 18712), (777, 18757), (782, 18778), (784, 18781), (823, 18931), (828, 18946), (848, 19012), (864, 19054), (923, 19264), (937, 19345), (958, 19456), (975, 19543), (982, 19582), (984, 19597),

Gene: CartmannCramer_24 Start: 18190, Stop: 20850, Start Num: 167

Candidate Starts for CartmannCramer_24:

(Start: 167 @18190 has 215 MA's), (181, 18229), (211, 18292), (213, 18298), (Start: 223 @18322 has 23 MA's), (233, 18364), (356, 18673), (369, 18736), (380, 18781), (385, 18805), (400, 18880), (403, 18892), (504, 19213), (589, 19471), (592, 19480), (610, 19543), (629, 19594), (642, 19621), (719, 19825), (762, 19939), (765, 19948), (772, 19969), (777, 19990), (808, 20089), (819, 20131), (820,

20134), (860, 20263), (888, 20347), (904, 20392), (958, 20674), (965, 20716), (975, 20761), (982, 20800), (984, 20815),

Gene: CatBus_25 Start: 17387, Stop: 19858, Start Num: 167

Candidate Starts for CatBus_25:

(Start: 167 @17387 has 215 MA's), (181, 17426), (211, 17489), (Start: 223 @17519 has 23 MA's), (229, 17540), (233, 17561), (236, 17573), (273, 17591), (280, 17615), (303, 17681), (356, 17879), (362, 17912), (378, 17978), (440, 18233), (453, 18254), (460, 18281), (498, 18377), (533, 18407), (549, 18440), (575, 18476), (610, 18569), (617, 18590), (642, 18647), (687, 18767), (703, 18803), (718, 18833), (732, 18869), (757, 18935), (765, 18956), (777, 18998), (808, 19097), (848, 19238), (857, 19259), (901, 19394), (958, 19682), (975, 19769), (982, 19808),

Gene: Catalina_27 Start: 17591, Stop: 20500, Start Num: 51

Candidate Starts for Catalina_27:

(Start: 51 @17591 has 33 MA's), (54, 17603), (70, 17663), (127, 17822), (153, 17885), (182, 17948), (194, 17990), (218, 18044), (220, 18047), (233, 18086), (301, 18257), (305, 18263), (310, 18278), (336, 18368), (337, 18371), (341, 18383), (352, 18425), (362, 18479), (366, 18500), (380, 18554), (383, 18575), (384, 18578), (387, 18596), (399, 18659), (419, 18725), (425, 18764), (429, 18791), (432, 18806), (440, 18836), (447, 18860), (450, 18872), (453, 18881), (468, 18947), (475, 18986), (493, 19052), (501, 19079), (508, 19106), (538, 19172), (569, 19217), (590, 19292), (605, 19337), (613, 19358), (623, 19379), (624, 19382), (644, 19400), (648, 19403), (659, 19430), (694, 19511), (712, 19553), (774, 19703), (778, 19718), (788, 19748), (805, 19799), (827, 19886), (830, 19895), (846, 19946), (877, 20009), (882, 20030), (893, 20066), (908, 20102), (909, 20108), (927, 20186), (934, 20213), (944, 20273), (958, 20342), (962, 20372), (968, 20399), (981, 20438), (987, 20480),

Gene: Caviar_26 Start: 16043, Stop: 19081, Start Num: 33

Candidate Starts for Caviar_26:

(Start: 33 @16043 has 33 MA's), (73, 16217), (81, 16229), (92, 16262), (174, 16469), (181, 16490), (218, 16589), (220, 16592), (299, 16802), (305, 16811), (309, 16823), (321, 16856), (337, 16919), (341, 16931), (349, 16964), (353, 16982), (357, 17003), (367, 17051), (369, 17057), (373, 17072), (376, 17081), (378, 17093), (380, 17102), (397, 17195), (425, 17312), (426, 17315), (430, 17342), (432, 17354), (447, 17408), (453, 17429), (468, 17495), (475, 17534), (520, 17675), (538, 17720), (581, 17810), (582, 17819), (593, 17849), (613, 17906), (618, 17921), (644, 17948), (648, 17951), (657, 17969), (702, 18080), (743, 18161), (763, 18218), (776, 18260), (808, 18356), (812, 18377), (817, 18401), (828, 18446), (836, 18464), (852, 18512), (855, 18524), (877, 18566), (880, 18578), (893, 18626), (936, 18797), (946, 18857), (948, 18869), (955, 18896), (958, 18917), (980, 19013), (986, 19061),

Gene: Celestiallunch_26 Start: 15544, Stop: 18645, Start Num: 23

Candidate Starts for Celestiallunch_26:

(23, 15544), (Start: 51 @15733 has 33 MA's), (54, 15745), (63, 15781), (104, 15898), (119, 15940), (175, 16066), (194, 16129), (218, 16183), (220, 16186), (265, 16312), (301, 16399), (307, 16411), (341, 16525), (345, 16546), (353, 16576), (362, 16621), (363, 16624), (366, 16642), (367, 16645), (373, 16666), (380, 16696), (381, 16708), (390, 16756), (397, 16789), (399, 16801), (425, 16906), (447, 17002), (450, 17014), (453, 17023), (456, 17032), (458, 17044), (463, 17068), (466, 17080), (468, 17089), (475, 17128), (511, 17254), (516, 17260), (538, 17314), (590, 17434), (605, 17479), (613, 17500), (623, 17521), (624, 17524), (644, 17542), (648, 17545), (684, 17632), (774, 17845), (788, 17890), (792, 17902), (805, 17941), (822, 18007), (827, 18028), (828, 18031), (836, 18049), (840, 18070), (864, 18118), (877, 18151), (882, 18172), (890, 18199), (909, 18253), (927, 18331), (936, 18367), (944, 18418), (949, 18442), (962, 18517), (981, 18583), (987, 18625),

Gene: Centaur_28 Start: 17112, Stop: 19619, Start Num: 120

Candidate Starts for Centaur_28:

(Start: 120 @17112 has 91 MA's), (175, 17223), (195, 17280), (296, 17466), (321, 17529), (328, 17562), (330, 17568), (373, 17748), (376, 17757), (379, 17772), (380, 17778), (383, 17799), (384, 17802), (387, 17820), (397, 17871), (398, 17880), (425, 17988), (432, 18030), (435, 18039), (438, 18048), (447, 18084), (453, 18105), (467, 18168), (468, 18171), (470, 18189), (475, 18210), (538, 18396), (546, 18411), (568, 18438), (582, 18495), (587, 18510), (590, 18516), (593, 18525), (595, 18531), (605, 18561), (613, 18582), (648, 18627), (651, 18633), (662, 18666), (673, 18693), (691, 18732), (706, 18765), (712, 18777), (743, 18837), (753, 18864), (774, 18927), (788, 18972), (792, 18984), (803, 19020), (815, 19056), (822, 19089), (864, 19152), (877, 19176), (930, 19320), (949, 19419), (964, 19506), (989, 19605),

Gene: CentreCat_25 Start: 15886, Stop: 18486, Start Num: 165

Candidate Starts for CentreCat_25:

(Start: 165 @15886 has 118 MA's), (Start: 223 @16027 has 23 MA's), (Start: 228 @16045 has 10 MA's), (278, 16252), (291, 16291), (298, 16321), (333, 16438), (341, 16465), (356, 16528), (369, 16591), (380, 16636), (387, 16678), (405, 16762), (506, 17029), (533, 17080), (566, 17125), (595, 17203), (612, 17242), (619, 17263), (686, 17410), (695, 17431), (704, 17455), (730, 17515), (731, 17521), (732, 17524), (749, 17575), (765, 17623), (785, 17689), (828, 17854), (836, 17872), (882, 17998), (943, 18250), (944, 18253), (946, 18262), (958, 18322), (980, 18418), (986, 18466),

Gene: Cerulean_26 Start: 16197, Stop: 18797, Start Num: 165

Candidate Starts for Cerulean_26:

(Start: 165 @16197 has 118 MA's), (Start: 223 @16338 has 23 MA's), (Start: 228 @16356 has 10 MA's), (266, 16512), (278, 16563), (298, 16632), (333, 16749), (341, 16776), (356, 16839), (369, 16902), (380, 16947), (387, 16989), (405, 17073), (471, 17280), (506, 17340), (533, 17391), (566, 17436), (595, 17514), (610, 17547), (612, 17553), (686, 17721), (695, 17742), (704, 17766), (730, 17826), (731, 17832), (732, 17835), (749, 17886), (765, 17934), (785, 18000), (828, 18165), (836, 18183), (882, 18309), (943, 18561), (944, 18564), (946, 18573), (957, 18630), (958, 18633), (965, 18678), (980, 18729), (986, 18777),

Gene: Chadwick_23 Start: 15059, Stop: 17872, Start Num: 1

Candidate Starts for Chadwick_23:

(Start: 1 @15059 has 39 MA's), (9, 15248), (94, 15596), (Start: 129 @15731 has 2 MA's), (132, 15737), (224, 15830), (243, 15881), (315, 16007), (331, 16073), (337, 16094), (356, 16169), (362, 16202), (376, 16256), (381, 16289), (382, 16292), (384, 16301), (405, 16400), (419, 16433), (458, 16562), (499, 16676), (561, 16727), (614, 16793), (678, 16886), (693, 16919), (737, 17006), (749, 17039), (755, 17051), (768, 17081), (808, 17144), (819, 17186), (839, 17258), (841, 17261), (852, 17285), (856, 17300), (864, 17327), (872, 17348), (902, 17435), (911, 17465), (912, 17468), (925, 17528), (943, 17627), (946, 17639), (948, 17651), (950, 17660), (976, 17789), (980, 17807),

Gene: ChampagnePapi_26 Start: 16196, Stop: 18796, Start Num: 165

Candidate Starts for ChampagnePapi_26:

(Start: 165 @16196 has 118 MA's), (Start: 223 @16337 has 23 MA's), (Start: 228 @16355 has 10 MA's), (266, 16511), (278, 16562), (298, 16631), (333, 16748), (341, 16775), (356, 16838), (369, 16901), (380, 16946), (387, 16988), (405, 17072), (471, 17279), (506, 17339), (533, 17390), (566, 17435), (595, 17513), (610, 17546), (612, 17552), (686, 17720), (695, 17741), (704, 17765), (730, 17825), (731, 17831), (732, 17834), (749, 17885), (765, 17933), (785, 17999), (828, 18164), (836, 18182), (882, 18308), (943, 18560), (944, 18563), (946, 18572), (957, 18629), (958, 18632), (965, 18677), (980, 18728), (986, 18776),

Gene: Chanagan_23 Start: 15937, Stop: 18417, Start Num: 167

Candidate Starts for Chanagan_23:

(Start: 167 @15937 has 215 MA's), (181, 15976), (211, 16039), (Start: 223 @16069 has 23 MA's), (233, 16111), (327, 16318), (333, 16336), (356, 16426), (369, 16489), (376, 16513), (378, 16525),

(387, 16576), (537, 16960), (592, 17062), (606, 17101), (614, 17128), (623, 17152), (718, 17380), (757, 17482), (765, 17503), (777, 17545), (808, 17644), (823, 17707), (892, 17926), (903, 17959), (958, 18241), (975, 18328), (982, 18367), (984, 18382),

Gene: Changeling_28 Start: 18472, Stop: 20976, Start Num: 120

Candidate Starts for Changeling_28:

(Start: 120 @18472 has 91 MA's), (175, 18583), (181, 18601), (195, 18640), (Start: 208 @18661 has 1 MA's), (216, 18685), (287, 18781), (296, 18811), (305, 18829), (341, 18949), (353, 19000), (367, 19069), (369, 19075), (373, 19090), (376, 19099), (378, 19111), (380, 19120), (425, 19330), (429, 19357), (432, 19372), (447, 19426), (453, 19447), (468, 19513), (475, 19552), (538, 19738), (546, 19753), (582, 19837), (587, 19852), (590, 19858), (593, 19867), (597, 19882), (605, 19903), (613, 19924), (644, 19966), (654, 19981), (662, 20008), (667, 20023), (688, 20065), (694, 20077), (712, 20119), (743, 20179), (753, 20206), (763, 20236), (774, 20269), (788, 20314), (792, 20326), (842, 20476), (879, 20533), (881, 20542), (887, 20551), (928, 20662), (935, 20692), (949, 20776), (980, 20905),

Gene: Chaph_25 Start: 15894, Stop: 18494, Start Num: 165

Candidate Starts for Chaph_25:

(Start: 165 @15894 has 118 MA's), (Start: 223 @16035 has 23 MA's), (Start: 228 @16053 has 10 MA's), (278, 16260), (291, 16299), (298, 16329), (333, 16446), (341, 16473), (356, 16536), (369, 16599), (380, 16644), (387, 16686), (405, 16770), (506, 17037), (533, 17088), (566, 17133), (595, 17211), (610, 17244), (612, 17250), (619, 17271), (686, 17418), (695, 17439), (704, 17463), (731, 17529), (749, 17583), (765, 17631), (785, 17697), (828, 17862), (836, 17880), (882, 18006), (943, 18258), (944, 18261), (946, 18270), (958, 18330), (980, 18426), (986, 18474),

Gene: Chargerpower_26 Start: 15837, Stop: 18245, Start Num: 209

Candidate Starts for Chargerpower_26:

(Start: 209 @15837 has 7 MA's), (Start: 215 @15855 has 5 MA's), (Start: 223 @15873 has 23 MA's), (229, 15894), (255, 15990), (264, 16032), (288, 16119), (302, 16161), (319, 16215), (341, 16299), (348, 16329), (356, 16362), (362, 16395), (373, 16440), (380, 16470), (383, 16491), (442, 16716), (451, 16731), (453, 16737), (482, 16830), (526, 16902), (574, 16977), (641, 17151), (647, 17163), (656, 17184), (663, 17211), (686, 17262), (689, 17271), (746, 17382), (777, 17469), (798, 17541), (801, 17553), (808, 17565), (813, 17589), (863, 17727), (868, 17739), (878, 17763), (898, 17817), (902, 17829), (936, 17976), (948, 18045), (965, 18135), (981, 18186), (986, 18222),

Gene: Charm_26 Start: 15553, Stop: 18648, Start Num: 21

Candidate Starts for Charm_26:

(Start: 21 @15553 has 1 MA's), (Start: 36 @15655 has 4 MA's), (Start: 51 @15742 has 33 MA's), (54, 15754), (98, 15886), (104, 15907), (111, 15928), (127, 15970), (136, 15982), (153, 16033), (182, 16096), (194, 16138), (220, 16195), (301, 16405), (305, 16411), (336, 16516), (341, 16531), (351, 16570), (352, 16573), (366, 16648), (367, 16651), (380, 16702), (383, 16723), (384, 16726), (387, 16744), (425, 16912), (429, 16939), (432, 16954), (447, 17008), (453, 17029), (467, 17092), (468, 17095), (475, 17134), (501, 17227), (508, 17254), (570, 17368), (575, 17377), (584, 17422), (593, 17449), (605, 17485), (613, 17506), (618, 17521), (644, 17548), (648, 17551), (658, 17572), (667, 17605), (696, 17665), (712, 17701), (774, 17851), (788, 17896), (805, 17947), (822, 18013), (828, 18037), (836, 18055), (840, 18076), (846, 18094), (864, 18124), (877, 18157), (882, 18178), (891, 18208), (909, 18259), (927, 18337), (936, 18373), (944, 18424), (949, 18448), (962, 18523), (981, 18589), (987, 18631),

Gene: Chartreuse_29 Start: 16682, Stop: 18886, Start Num: 128

Candidate Starts for Chartreuse_29:

(69, 16523), (107, 16637), (Start: 128 @16682 has 47 MA's), (175, 16793), (176, 16799), (Start: 223 @16907 has 23 MA's), (233, 16949), (284, 17015), (316, 17108), (325, 17135), (356, 17258), (362,

17291), (382, 17381), (395, 17450), (473, 17693), (577, 17831), (670, 17951), (773, 18104), (808, 18167), (819, 18209), (852, 18308), (857, 18329), (864, 18350), (872, 18371), (888, 18422), (892, 18434), (899, 18449), (919, 18530), (935, 18608),

Gene: Che12_28 Start: 15530, Stop: 18055, Start Num: 117

Candidate Starts for Che12_28:

(Start: 117 @15530 has 5 MA's), (124, 15548), (175, 15653), (200, 15719), (203, 15722), (205, 15725), (321, 15974), (328, 16007), (329, 16010), (341, 16049), (353, 16100), (362, 16145), (366, 16166), (376, 16199), (379, 16214), (380, 16220), (383, 16241), (425, 16430), (429, 16457), (432, 16472), (447, 16526), (453, 16547), (468, 16613), (498, 16739), (538, 16838), (546, 16853), (568, 16880), (570, 16886), (590, 16958), (597, 16982), (598, 16985), (605, 17003), (618, 17039), (644, 17066), (648, 17069), (666, 17120), (667, 17123), (706, 17207), (743, 17279), (753, 17306), (763, 17336), (774, 17369), (778, 17384), (842, 17576), (881, 17639), (945, 17837), (949, 17858), (962, 17933), (977, 17969),

Gene: ChipMunk_28 Start: 17023, Stop: 19566, Start Num: 120

Candidate Starts for ChipMunk_28:

(Start: 120 @17023 has 91 MA's), (200, 17200), (203, 17203), (205, 17206), (287, 17371), (292, 17380), (296, 17401), (299, 17410), (309, 17431), (321, 17464), (328, 17497), (341, 17539), (353, 17590), (362, 17635), (363, 17638), (366, 17656), (376, 17689), (378, 17701), (380, 17710), (383, 17731), (384, 17734), (425, 17920), (432, 17962), (435, 17971), (438, 17980), (453, 18037), (468, 18103), (475, 18142), (501, 18235), (515, 18271), (538, 18328), (577, 18394), (582, 18427), (587, 18442), (590, 18448), (593, 18457), (597, 18472), (605, 18493), (613, 18514), (623, 18535), (624, 18538), (644, 18556), (648, 18559), (662, 18598), (666, 18610), (694, 18667), (701, 18685), (712, 18709), (743, 18769), (753, 18796), (774, 18859), (827, 19042), (879, 19123), (881, 19132), (887, 19141), (928, 19252), (935, 19282), (949, 19366),

Gene: Chiqui_24 Start: 15764, Stop: 18802, Start Num: 33

Candidate Starts for Chiqui_24:

(Start: 33 @15764 has 33 MA's), (73, 15938), (92, 15983), (174, 16193), (220, 16316), (299, 16523), (321, 16577), (341, 16652), (349, 16685), (353, 16703), (356, 16715), (371, 16781), (376, 16802), (378, 16814), (380, 16823), (387, 16865), (397, 16916), (425, 17033), (426, 17036), (432, 17075), (447, 17129), (453, 17150), (468, 17216), (472, 17243), (501, 17348), (520, 17396), (538, 17441), (546, 17456), (570, 17489), (581, 17531), (582, 17540), (593, 17570), (597, 17585), (605, 17606), (618, 17642), (644, 17669), (648, 17672), (658, 17693), (662, 17711), (682, 17756), (701, 17798), (702, 17801), (743, 17882), (759, 17921), (774, 17972), (775, 17975), (777, 17984), (784, 18008), (808, 18077), (812, 18098), (828, 18167), (836, 18185), (852, 18233), (855, 18245), (871, 18275), (877, 18287), (880, 18299), (893, 18347), (936, 18518), (946, 18578), (950, 18599), (968, 18695), (980, 18734), (986, 18782),

Gene: ChristmasHams_25 Start: 16397, Stop: 18877, Start Num: 167

Candidate Starts for ChristmasHams_25:

(Start: 167 @16397 has 215 MA's), (181, 16436), (211, 16499), (Start: 223 @16529 has 23 MA's), (233, 16571), (327, 16778), (333, 16796), (356, 16886), (369, 16949), (376, 16973), (378, 16985), (387, 17036), (537, 17420), (592, 17522), (606, 17561), (610, 17576), (614, 17588), (623, 17612), (718, 17840), (757, 17942), (765, 17963), (770, 17975), (777, 18005), (808, 18104), (823, 18167), (892, 18386), (903, 18419), (958, 18701), (975, 18788), (982, 18827), (986, 18857),

Gene: Chupacabra_25 Start: 15864, Stop: 18416, Start Num: 228

Candidate Starts for Chupacabra_25:

(102, 15456), (Start: 161 @15687 has 8 MA's), (Start: 228 @15864 has 10 MA's), (232, 15885), (240, 15909), (247, 15939), (248, 15942), (252, 15951), (258, 15990), (264, 16005), (267, 16029), (302, 16137), (306, 16149), (309, 16158), (323, 16212), (337, 16266), (340, 16275), (344, 16299), (351,

16320), (370, 16425), (378, 16467), (454, 16779), (547, 16989), (594, 17109), (610, 17154), (611, 17157), (612, 17160), (619, 17181), (622, 17184), (643, 17229), (686, 17337), (695, 17358), (722, 17418), (732, 17451), (753, 17514), (777, 17592), (785, 17616), (808, 17691), (822, 17757), (828, 17781), (836, 17799), (845, 17835), (857, 17865), (874, 17907), (878, 17919), (882, 17931), (895, 17967), (899, 17979), (946, 18192), (948, 18204), (954, 18228), (958, 18252), (980, 18348), (986, 18396),

Gene: Ciao_24 Start: 16311, Stop: 18782, Start Num: 167

Candidate Starts for Ciao_24:

(Start: 167 @16311 has 215 MA's), (181, 16350), (211, 16413), (Start: 223 @16443 has 23 MA's), (229, 16464), (233, 16485), (236, 16497), (273, 16515), (303, 16605), (356, 16803), (362, 16836), (378, 16902), (440, 17157), (453, 17178), (460, 17205), (549, 17364), (575, 17400), (610, 17493), (617, 17514), (642, 17571), (687, 17691), (703, 17727), (718, 17757), (732, 17793), (757, 17859), (765, 17880), (808, 18021), (848, 18162), (857, 18183), (901, 18318), (937, 18495), (958, 18606), (970, 18672), (975, 18693), (982, 18732), (984, 18747),

Gene: Cici_25 Start: 15876, Stop: 18476, Start Num: 165

Candidate Starts for Cici_25:

(Start: 165 @15876 has 118 MA's), (271, 16218), (284, 16266), (304, 16323), (333, 16428), (337, 16443), (341, 16455), (356, 16518), (380, 16626), (383, 16647), (387, 16668), (506, 17019), (533, 17070), (566, 17115), (610, 17226), (612, 17232), (686, 17400), (705, 17448), (730, 17505), (749, 17565), (765, 17613), (775, 17646), (785, 17679), (791, 17697), (828, 17844), (836, 17862), (882, 17988), (913, 18078), (932, 18177), (944, 18243), (946, 18252), (958, 18312), (960, 18321), (965, 18357), (972, 18375), (980, 18408), (986, 18456),

Gene: Cindaradix_24 Start: 15793, Stop: 18210, Start Num: 234

Candidate Starts for Cindaradix_24:

(Start: 165 @15610 has 118 MA's), (Start: 234 @15793 has 1 MA's), (271, 15952), (279, 15979), (284, 16000), (319, 16105), (333, 16162), (356, 16252), (380, 16360), (395, 16444), (519, 16780), (533, 16804), (566, 16849), (658, 17062), (669, 17098), (686, 17134), (704, 17179), (749, 17299), (785, 17413), (828, 17578), (836, 17596), (882, 17722), (932, 17911), (944, 17977), (946, 17986), (958, 18046), (960, 18055), (965, 18091), (972, 18109), (980, 18142), (986, 18190),

Gene: Cintron_25 Start: 16074, Stop: 18533, Start Num: 223

Candidate Starts for Cintron_25:

(Start: 165 @15933 has 118 MA's), (Start: 223 @16074 has 23 MA's), (266, 16248), (278, 16299), (291, 16338), (298, 16368), (333, 16485), (341, 16512), (356, 16575), (369, 16638), (380, 16683), (387, 16725), (506, 17076), (533, 17127), (566, 17172), (612, 17289), (686, 17457), (695, 17478), (704, 17502), (730, 17562), (731, 17568), (732, 17571), (749, 17622), (765, 17670), (785, 17736), (828, 17901), (836, 17919), (882, 18045), (943, 18297), (944, 18300), (946, 18309), (957, 18366), (958, 18369), (965, 18414), (980, 18465), (986, 18513),

Gene: Citius_25 Start: 15885, Stop: 18485, Start Num: 165

Candidate Starts for Citius_25:

(Start: 165 @15885 has 118 MA's), (Start: 223 @16026 has 23 MA's), (Start: 228 @16044 has 10 MA's), (278, 16251), (291, 16290), (298, 16320), (333, 16437), (341, 16464), (356, 16527), (369, 16590), (380, 16635), (387, 16677), (405, 16761), (506, 17028), (533, 17079), (566, 17124), (595, 17202), (612, 17241), (619, 17262), (686, 17409), (695, 17430), (704, 17454), (730, 17514), (731, 17520), (732, 17523), (749, 17574), (765, 17622), (785, 17688), (828, 17853), (836, 17871), (882, 17997), (943, 18249), (944, 18252), (946, 18261), (958, 18321), (980, 18417), (986, 18465),

Gene: Clammy_25 Start: 15495, Stop: 18530, Start Num: 33

Candidate Starts for Clammy_25:

(Start: 33 @15495 has 33 MA's), (73, 15669), (81, 15681), (92, 15714), (174, 15924), (218, 16044), (220, 16047), (299, 16251), (309, 16272), (320, 16302), (321, 16305), (337, 16368), (341, 16380), (349, 16413), (353, 16431), (367, 16500), (369, 16506), (373, 16521), (376, 16530), (378, 16542), (380, 16551), (397, 16644), (425, 16761), (426, 16764), (429, 16788), (430, 16791), (432, 16803), (447, 16857), (453, 16878), (458, 16899), (468, 16944), (472, 16971), (475, 16983), (520, 17124), (538, 17169), (546, 17184), (581, 17259), (582, 17268), (593, 17298), (597, 17313), (598, 17316), (605, 17334), (613, 17355), (614, 17358), (644, 17397), (648, 17400), (682, 17484), (712, 17550), (723, 17571), (743, 17610), (759, 17649), (765, 17670), (774, 17700), (775, 17703), (777, 17712), (784, 17736), (808, 17805), (812, 17826), (828, 17895), (836, 17913), (852, 17961), (855, 17973), (877, 18015), (880, 18027), (893, 18075), (936, 18246), (940, 18276), (946, 18306), (950, 18327), (980, 18462), (986, 18510),

Gene: Clarenza_25 Start: 15882, Stop: 18482, Start Num: 165

Candidate Starts for Clarenza_25:

(Start: 165 @15882 has 118 MA's), (Start: 223 @16023 has 23 MA's), (Start: 228 @16041 has 10 MA's), (278, 16248), (291, 16287), (298, 16317), (333, 16434), (341, 16461), (356, 16524), (369, 16587), (380, 16632), (387, 16674), (405, 16758), (506, 17025), (533, 17076), (566, 17121), (595, 17199), (612, 17238), (686, 17406), (695, 17427), (704, 17451), (731, 17517), (749, 17571), (765, 17619), (785, 17685), (828, 17850), (836, 17868), (882, 17994), (943, 18246), (944, 18249), (946, 18258), (958, 18318), (980, 18414), (986, 18462),

Gene: CloudWang3_29 Start: 16717, Stop: 18933, Start Num: 128

Candidate Starts for CloudWang3_29:

(107, 16672), (Start: 128 @16717 has 47 MA's), (175, 16828), (233, 16984), (312, 17131), (316, 17143), (355, 17290), (356, 17293), (362, 17326), (382, 17416), (395, 17485), (419, 17560), (473, 17728), (670, 17986), (707, 18031), (773, 18139), (808, 18202), (819, 18244), (852, 18343), (857, 18364), (872, 18406), (888, 18457), (899, 18484), (919, 18565), (935, 18655),

Gene: ClownCar_28 Start: 16049, Stop: 19075, Start Num: 35

Candidate Starts for ClownCar_28:

(29, 15995), (Start: 35 @16049 has 84 MA's), (57, 16163), (79, 16229), (81, 16232), (85, 16241), (97, 16277), (113, 16328), (141, 16400), (174, 16472), (218, 16592), (220, 16595), (243, 16664), (260, 16709), (299, 16802), (305, 16811), (321, 16856), (330, 16895), (337, 16919), (341, 16931), (349, 16964), (353, 16982), (357, 17003), (367, 17051), (369, 17057), (373, 17072), (376, 17081), (378, 17093), (380, 17102), (397, 17195), (421, 17282), (425, 17312), (426, 17315), (430, 17342), (432, 17354), (447, 17408), (453, 17429), (461, 17459), (468, 17495), (498, 17621), (520, 17675), (538, 17720), (570, 17768), (581, 17810), (582, 17819), (593, 17849), (618, 17921), (623, 17927), (644, 17948), (648, 17951), (654, 17963), (702, 18080), (706, 18089), (743, 18161), (744, 18164), (759, 18200), (774, 18251), (775, 18254), (777, 18263), (828, 18446), (852, 18512), (855, 18524), (877, 18566), (894, 18629), (914, 18686), (927, 18755), (936, 18791), (950, 18872), (980, 19007), (981, 19019),

Gene: Cocoaberry_25 Start: 15889, Stop: 18489, Start Num: 165

Candidate Starts for Cocoaberry_25:

(Start: 165 @15889 has 118 MA's), (Start: 223 @16030 has 23 MA's), (Start: 228 @16048 has 10 MA's), (278, 16255), (291, 16294), (298, 16324), (333, 16441), (341, 16468), (356, 16531), (369, 16594), (380, 16639), (387, 16681), (405, 16765), (506, 17032), (533, 17083), (566, 17128), (595, 17206), (610, 17239), (612, 17245), (619, 17266), (686, 17413), (695, 17434), (704, 17458), (731, 17524), (749, 17578), (765, 17626), (785, 17692), (828, 17857), (836, 17875), (882, 18001), (943, 18253), (944, 18256), (946, 18265), (958, 18325), (980, 18421), (986, 18469),

Gene: CogOmlette_24 Start: 15668, Stop: 18586, Start Num: 51

Candidate Starts for CogOmlette_24:

(Start: 51 @15668 has 33 MA's), (54, 15680), (104, 15839), (119, 15881), (127, 15902), (182, 16028), (194, 16070), (218, 16124), (220, 16127), (265, 16253), (296, 16328), (299, 16337), (301, 16340), (307, 16352), (351, 16505), (353, 16517), (356, 16529), (357, 16538), (362, 16562), (366, 16583), (367, 16586), (373, 16607), (378, 16628), (380, 16637), (381, 16649), (390, 16697), (399, 16742), (425, 16847), (439, 16910), (446, 16940), (447, 16943), (453, 16964), (456, 16973), (458, 16985), (463, 17009), (468, 17030), (475, 17069), (538, 17255), (545, 17267), (569, 17300), (590, 17375), (593, 17384), (605, 17420), (613, 17441), (623, 17462), (624, 17465), (644, 17483), (648, 17486), (659, 17513), (667, 17540), (696, 17600), (736, 17678), (774, 17786), (788, 17831), (805, 17882), (825, 17963), (827, 17969), (830, 17978), (846, 18029), (877, 18092), (882, 18113), (893, 18152), (909, 18194), (927, 18272), (934, 18299), (944, 18359), (949, 18383), (962, 18458), (981, 18524), (987, 18566),

Gene: Colbster_27 Start: 15979, Stop: 19005, Start Num: 35

Candidate Starts for Colbster_27:

(29, 15925), (Start: 35 @15979 has 84 MA's), (57, 16093), (79, 16159), (81, 16162), (85, 16171), (97, 16207), (113, 16258), (141, 16330), (174, 16402), (218, 16522), (220, 16525), (243, 16594), (260, 16639), (299, 16732), (305, 16741), (311, 16759), (321, 16786), (337, 16849), (341, 16861), (349, 16894), (353, 16912), (366, 16978), (367, 16981), (369, 16987), (373, 17002), (376, 17011), (378, 17023), (380, 17032), (393, 17110), (397, 17125), (425, 17242), (426, 17245), (430, 17272), (432, 17284), (447, 17338), (453, 17359), (468, 17425), (475, 17464), (501, 17557), (520, 17605), (538, 17650), (570, 17698), (581, 17740), (582, 17749), (593, 17779), (594, 17782), (597, 17794), (618, 17851), (623, 17857), (644, 17878), (648, 17881), (706, 18019), (712, 18031), (743, 18091), (763, 18148), (808, 18286), (812, 18307), (817, 18331), (828, 18376), (836, 18394), (852, 18442), (855, 18454), (877, 18496), (894, 18559), (914, 18616), (927, 18685), (936, 18721), (950, 18802), (980, 18937),

Gene: Colin_30 Start: 18311, Stop: 20851, Start Num: 120

Candidate Starts for Colin_30:

(Start: 120 @18311 has 91 MA's), (203, 18491), (226, 18542), (292, 18662), (296, 18683), (299, 18692), (307, 18707), (309, 18713), (321, 18746), (328, 18779), (330, 18785), (341, 18821), (373, 18965), (376, 18974), (379, 18989), (380, 18995), (383, 19016), (387, 19037), (398, 19097), (425, 19205), (432, 19247), (435, 19256), (438, 19265), (447, 19301), (450, 19313), (453, 19322), (468, 19388), (475, 19427), (516, 19559), (538, 19613), (570, 19661), (590, 19733), (595, 19748), (605, 19778), (624, 19823), (648, 19844), (662, 19883), (673, 19910), (712, 19994), (743, 20054), (753, 20081), (774, 20144), (788, 20189), (803, 20237), (879, 20408), (881, 20417), (887, 20426), (928, 20537), (935, 20567), (948, 20648), (949, 20651),

Gene: Commander_25 Start: 16026, Stop: 18485, Start Num: 223

Candidate Starts for Commander_25:

(Start: 165 @15885 has 118 MA's), (Start: 223 @16026 has 23 MA's), (Start: 228 @16044 has 10 MA's), (278, 16251), (291, 16290), (298, 16320), (333, 16437), (341, 16464), (356, 16527), (369, 16590), (380, 16635), (387, 16677), (405, 16761), (506, 17028), (533, 17079), (566, 17124), (595, 17202), (612, 17241), (619, 17262), (686, 17409), (695, 17430), (704, 17454), (731, 17520), (749, 17574), (765, 17622), (785, 17688), (828, 17853), (836, 17871), (882, 17997), (943, 18249), (944, 18252), (946, 18261), (958, 18321), (980, 18417), (986, 18465),

Gene: ConceptII_25 Start: 16819, Stop: 19299, Start Num: 167

Candidate Starts for ConceptII_25:

(Start: 167 @16819 has 215 MA's), (181, 16858), (211, 16921), (213, 16927), (Start: 223 @16951 has 23 MA's), (233, 16993), (327, 17200), (333, 17218), (356, 17308), (369, 17371), (376, 17395), (378, 17407), (387, 17458), (537, 17842), (592, 17944), (606, 17983), (614, 18010), (623, 18034), (672, 18163), (718, 18262), (757, 18364), (765, 18385), (808, 18526), (823, 18589), (892, 18808), (903, 18841), (937, 19012), (958, 19123), (970, 19189), (975, 19210), (982, 19249),

Gene: Connomayer_25 Start: 15885, Stop: 18485, Start Num: 165

Candidate Starts for Connomayer_25:

(Start: 165 @15885 has 118 MA's), (Start: 223 @16026 has 23 MA's), (Start: 228 @16044 has 10 MA's), (278, 16251), (291, 16290), (298, 16320), (333, 16437), (341, 16464), (356, 16527), (369, 16590), (380, 16635), (387, 16677), (405, 16761), (506, 17028), (533, 17079), (566, 17124), (595, 17202), (612, 17241), (662, 17355), (686, 17409), (704, 17454), (730, 17514), (736, 17532), (749, 17574), (765, 17622), (785, 17688), (828, 17853), (836, 17871), (882, 17997), (943, 18249), (944, 18252), (946, 18261), (958, 18321), (980, 18417), (986, 18465),

Gene: Conquerage_27 Start: 17620, Stop: 20529, Start Num: 51

Candidate Starts for Conquerage_27:

(Start: 51 @17620 has 33 MA's), (54, 17632), (70, 17692), (153, 17914), (182, 17977), (194, 18019), (218, 18073), (220, 18076), (233, 18115), (301, 18286), (305, 18292), (310, 18307), (336, 18397), (337, 18400), (341, 18412), (352, 18454), (362, 18508), (366, 18529), (380, 18583), (383, 18604), (384, 18607), (387, 18625), (399, 18688), (419, 18754), (425, 18793), (429, 18820), (432, 18835), (440, 18865), (447, 18889), (450, 18901), (453, 18910), (468, 18976), (475, 19015), (493, 19081), (501, 19108), (508, 19135), (569, 19246), (590, 19321), (597, 19345), (605, 19366), (613, 19387), (623, 19408), (624, 19411), (644, 19429), (648, 19432), (659, 19459), (684, 19519), (698, 19549), (712, 19582), (727, 19612), (736, 19624), (774, 19732), (778, 19747), (788, 19777), (805, 19828), (827, 19915), (830, 19924), (846, 19975), (877, 20038), (882, 20059), (893, 20095), (908, 20131), (909, 20137), (927, 20215), (934, 20242), (958, 20371), (962, 20401), (968, 20428), (981, 20467), (987, 20509),

Gene: Conspiracy_22 Start: 15069, Stop: 18410, Start Num: 1

Candidate Starts for Conspiracy_22:

(Start: 1 @15069 has 39 MA's), (32, 15507), (Start: 129 @15819 has 2 MA's), (152, 15897), (Start: 161 @15927 has 8 MA's), (184, 15984), (236, 16131), (240, 16137), (243, 16143), (312, 16269), (316, 16281), (356, 16431), (363, 16467), (369, 16497), (373, 16512), (380, 16542), (381, 16554), (386, 16578), (399, 16647), (423, 16713), (473, 16869), (506, 16938), (507, 16941), (524, 16968), (541, 16992), (589, 17130), (598, 17151), (614, 17196), (634, 17238), (722, 17430), (731, 17460), (742, 17484), (745, 17496), (751, 17517), (768, 17559), (794, 17646), (808, 17682), (812, 17703), (819, 17724), (843, 17802), (852, 17823), (857, 17844), (864, 17865), (872, 17886), (880, 17910), (902, 17973), (925, 18066), (928, 18084), (943, 18165), (946, 18177), (948, 18189), (950, 18198), (961, 18252), (979, 18336), (980, 18345),

Gene: Coog_22 Start: 15213, Stop: 18551, Start Num: 1

Candidate Starts for Coog_22:

(Start: 1 @15213 has 39 MA's), (32, 15651), (Start: 129 @15963 has 2 MA's), (152, 16041), (Start: 161 @16071 has 8 MA's), (184, 16128), (236, 16275), (240, 16281), (310, 16401), (313, 16410), (336, 16491), (337, 16494), (356, 16569), (365, 16614), (369, 16632), (380, 16677), (383, 16698), (429, 16890), (484, 17028), (507, 17076), (554, 17154), (595, 17280), (598, 17292), (608, 17316), (634, 17379), (722, 17571), (731, 17601), (742, 17625), (745, 17637), (768, 17700), (808, 17823), (812, 17844), (819, 17865), (843, 17943), (852, 17964), (864, 18006), (872, 18027), (902, 18114), (911, 18144), (925, 18207), (928, 18225), (943, 18306), (946, 18318), (948, 18330), (950, 18339), (961, 18393), (979, 18477), (983, 18516),

Gene: Cookiedough_29 Start: 16728, Stop: 18932, Start Num: 128

Candidate Starts for Cookiedough_29:

(69, 16569), (107, 16683), (Start: 128 @16728 has 47 MA's), (175, 16839), (176, 16845), (Start: 223 @16953 has 23 MA's), (233, 16995), (284, 17061), (316, 17154), (325, 17181), (356, 17304), (362, 17337), (382, 17427), (395, 17496), (473, 17739), (577, 17877), (670, 17997), (773, 18150), (808, 18213), (819, 18255), (852, 18354), (857, 18375), (864, 18396), (872, 18417), (888, 18468), (892,

18480), (899, 18495), (919, 18576), (935, 18654),

Gene: Corvo_24 Start: 16803, Stop: 19274, Start Num: 167

Candidate Starts for Corvo_24:

(Start: 167 @16803 has 215 MA's), (181, 16842), (211, 16905), (Start: 223 @16935 has 23 MA's), (229, 16956), (233, 16977), (236, 16989), (273, 17007), (303, 17097), (356, 17295), (362, 17328), (378, 17394), (440, 17649), (453, 17670), (460, 17697), (549, 17856), (575, 17892), (610, 17985), (617, 18006), (642, 18063), (687, 18183), (703, 18219), (718, 18249), (732, 18285), (757, 18351), (765, 18372), (808, 18513), (848, 18654), (857, 18675), (901, 18810), (937, 18987), (958, 19098), (975, 19185), (982, 19224),

Gene: CosmicSans_21 Start: 12124, Stop: 15471, Start Num: 15

Candidate Starts for CosmicSans_21:

(Start: 15 @12124 has 35 MA's), (17, 12142), (31, 12265), (37, 12286), (42, 12307), (47, 12337), (94, 12451), (107, 12499), (126, 12547), (127, 12556), (Start: 159 @12631 has 1 MA's), (173, 12652), (180, 12673), (183, 12679), (197, 12727), (232, 12799), (245, 12838), (251, 12847), (276, 12901), (294, 12955), (296, 12961), (312, 13000), (323, 13033), (333, 13072), (348, 13129), (373, 13240), (378, 13261), (380, 13270), (387, 13312), (397, 13363), (399, 13375), (420, 13447), (421, 13450), (432, 13522), (435, 13531), (441, 13555), (448, 13579), (450, 13588), (452, 13594), (453, 13597), (456, 13606), (458, 13618), (467, 13660), (472, 13690), (477, 13714), (481, 13735), (489, 13759), (504, 13804), (522, 13855), (528, 13867), (531, 13870), (538, 13888), (546, 13903), (577, 13954), (590, 14008), (652, 14131), (661, 14158), (670, 14182), (684, 14209), (700, 14245), (713, 14275), (750, 14359), (776, 14440), (790, 14485), (792, 14497), (793, 14506), (795, 14515), (798, 14521), (799, 14527), (808, 14548), (837, 14662), (842, 14683), (865, 14728), (884, 14782), (897, 14827), (915, 14899), (921, 14923), (929, 14968), (933, 14986), (945, 15061), (950, 15094), (959, 15136), (973, 15214), (978, 15229), (981, 15253), (992, 15409), (993, 15421), (994, 15427),

Gene: Crispicous1_23 Start: 15808, Stop: 18288, Start Num: 167

Candidate Starts for Crispicous1_23:

(Start: 167 @15808 has 215 MA's), (181, 15847), (211, 15910), (Start: 223 @15940 has 23 MA's), (233, 15982), (327, 16189), (333, 16207), (356, 16297), (369, 16360), (376, 16384), (378, 16396), (387, 16447), (537, 16831), (592, 16933), (606, 16972), (614, 16999), (623, 17023), (672, 17152), (718, 17251), (757, 17353), (765, 17374), (777, 17416), (808, 17515), (823, 17578), (892, 17797), (903, 17830), (958, 18112), (975, 18199), (982, 18238), (984, 18253),

Gene: Croquant_28 Start: 15977, Stop: 19003, Start Num: 35

Candidate Starts for Croquant_28:

(29, 15923), (Start: 35 @15977 has 84 MA's), (57, 16091), (79, 16157), (81, 16160), (85, 16169), (97, 16205), (113, 16256), (141, 16328), (174, 16400), (218, 16520), (220, 16523), (243, 16592), (260, 16637), (299, 16730), (305, 16739), (311, 16757), (321, 16784), (337, 16847), (341, 16859), (349, 16892), (353, 16910), (366, 16976), (367, 16979), (369, 16985), (373, 17000), (376, 17009), (378, 17021), (380, 17030), (393, 17108), (397, 17123), (425, 17240), (426, 17243), (430, 17270), (432, 17282), (447, 17336), (453, 17357), (468, 17423), (475, 17462), (501, 17555), (520, 17603), (538, 17648), (570, 17696), (581, 17738), (582, 17747), (593, 17777), (594, 17780), (597, 17792), (618, 17849), (623, 17855), (644, 17876), (648, 17879), (706, 18017), (712, 18029), (743, 18089), (763, 18146), (808, 18284), (812, 18305), (817, 18329), (828, 18374), (836, 18392), (852, 18440), (855, 18452), (877, 18494), (894, 18557), (914, 18614), (927, 18683), (936, 18719), (950, 18800), (980, 18935),

Gene: Crucio_26 Start: 16547, Stop: 19084, Start Num: 120

Candidate Starts for Crucio_26:

(Start: 120 @16547 has 91 MA's), (200, 16724), (203, 16727), (205, 16730), (216, 16760), (292, 16898), (296, 16919), (299, 16928), (309, 16949), (321, 16982), (336, 17042), (341, 17057), (353,

17108), (363, 17156), (366, 17174), (376, 17207), (378, 17219), (379, 17222), (380, 17228), (383, 17249), (384, 17252), (401, 17339), (425, 17438), (432, 17480), (435, 17489), (438, 17498), (450, 17546), (453, 17555), (468, 17621), (475, 17660), (538, 17846), (546, 17861), (570, 17894), (582, 17945), (590, 17966), (595, 17981), (597, 17990), (602, 18005), (644, 18074), (712, 18227), (723, 18248), (774, 18377), (788, 18422), (792, 18434), (803, 18470), (881, 18650), (887, 18659), (928, 18770), (935, 18800), (949, 18884),

Gene: Cuco_22 Start: 15243, Stop: 18581, Start Num: 1

Candidate Starts for Cuco_22:

(Start: 1 @15243 has 39 MA's), (32, 15681), (Start: 129 @15993 has 2 MA's), (152, 16071), (Start: 161 @16101 has 8 MA's), (184, 16158), (236, 16305), (240, 16311), (310, 16431), (313, 16440), (336, 16521), (337, 16524), (356, 16599), (365, 16644), (369, 16662), (380, 16707), (383, 16728), (429, 16920), (484, 17058), (507, 17106), (554, 17184), (595, 17310), (598, 17322), (608, 17346), (634, 17409), (722, 17601), (731, 17631), (742, 17655), (745, 17667), (768, 17730), (808, 17853), (812, 17874), (819, 17895), (843, 17973), (852, 17994), (864, 18036), (872, 18057), (902, 18144), (911, 18174), (925, 18237), (928, 18255), (943, 18336), (946, 18348), (948, 18360), (950, 18369), (961, 18423), (979, 18507), (983, 18546),

Gene: Cueyliss_24 Start: 16510, Stop: 18990, Start Num: 167

Candidate Starts for Cueyliss_24:

(Start: 167 @16510 has 215 MA's), (181, 16549), (211, 16612), (213, 16618), (Start: 223 @16642 has 23 MA's), (233, 16684), (327, 16891), (333, 16909), (356, 16999), (369, 17062), (376, 17086), (378, 17098), (387, 17149), (537, 17533), (592, 17635), (606, 17674), (614, 17701), (623, 17725), (672, 17854), (718, 17953), (757, 18055), (765, 18076), (770, 18088), (777, 18118), (808, 18217), (823, 18280), (892, 18499), (903, 18532), (958, 18814), (970, 18880), (975, 18901), (982, 18940), (984, 18955),

Gene: Cullens_27 Start: 15978, Stop: 19004, Start Num: 35

Candidate Starts for Cullens_27:

(29, 15924), (Start: 35 @15978 has 84 MA's), (57, 16092), (79, 16158), (81, 16161), (85, 16170), (97, 16206), (113, 16257), (141, 16329), (174, 16401), (218, 16521), (220, 16524), (243, 16593), (260, 16638), (299, 16731), (305, 16740), (311, 16758), (321, 16785), (337, 16848), (341, 16860), (349, 16893), (353, 16911), (366, 16977), (367, 16980), (369, 16986), (373, 17001), (376, 17010), (378, 17022), (380, 17031), (393, 17109), (397, 17124), (425, 17241), (426, 17244), (430, 17271), (432, 17283), (447, 17337), (453, 17358), (468, 17424), (475, 17463), (501, 17556), (520, 17604), (538, 17649), (570, 17697), (581, 17739), (582, 17748), (593, 17778), (594, 17781), (597, 17793), (618, 17850), (623, 17856), (644, 17877), (648, 17880), (706, 18018), (712, 18030), (743, 18090), (763, 18147), (808, 18285), (812, 18306), (817, 18330), (828, 18375), (836, 18393), (852, 18441), (855, 18453), (877, 18495), (894, 18558), (914, 18615), (927, 18684), (936, 18720), (950, 18801), (980, 18936),

Gene: D29_26 Start: 16508, Stop: 19021, Start Num: 120

Candidate Starts for D29_26:

(Start: 120 @16508 has 91 MA's), (203, 16688), (205, 16691), (320, 16934), (321, 16937), (336, 16997), (341, 17012), (348, 17042), (349, 17045), (366, 17129), (373, 17153), (379, 17177), (383, 17204), (384, 17207), (407, 17318), (425, 17393), (429, 17420), (432, 17435), (447, 17489), (453, 17510), (468, 17576), (470, 17594), (472, 17603), (498, 17702), (508, 17735), (515, 17744), (538, 17801), (546, 17816), (590, 17921), (648, 18032), (654, 18044), (657, 18050), (666, 18083), (667, 18086), (723, 18203), (774, 18332), (778, 18347), (788, 18377), (792, 18389), (803, 18425), (842, 18539), (856, 18551), (879, 18593), (945, 18800), (948, 18818), (949, 18821), (989, 19007),

Gene: D32_29 Start: 16508, Stop: 19021, Start Num: 120

Candidate Starts for D32_29:

(Start: 120 @16508 has 91 MA's), (203, 16688), (205, 16691), (320, 16934), (321, 16937), (336, 16997), (341, 17012), (348, 17042), (349, 17045), (366, 17129), (373, 17153), (379, 17177), (383, 17204), (384, 17207), (407, 17318), (425, 17393), (429, 17420), (432, 17435), (447, 17489), (453, 17510), (468, 17576), (470, 17594), (472, 17603), (498, 17702), (508, 17735), (515, 17744), (538, 17801), (546, 17816), (590, 17921), (648, 18032), (654, 18044), (657, 18050), (666, 18083), (667, 18086), (723, 18203), (774, 18332), (778, 18347), (788, 18377), (792, 18389), (803, 18425), (842, 18539), (856, 18551), (879, 18593), (945, 18800), (948, 18818), (949, 18821), (989, 19007),

Gene: DBQu4n_29 Start: 16508, Stop: 19021, Start Num: 120

Candidate Starts for DBQu4n_29:

(Start: 120 @16508 has 91 MA's), (203, 16688), (205, 16691), (321, 16937), (336, 16997), (341, 17012), (348, 17042), (349, 17045), (366, 17129), (373, 17153), (379, 17177), (383, 17204), (384, 17207), (404, 17312), (425, 17393), (429, 17420), (432, 17435), (447, 17489), (453, 17510), (468, 17576), (470, 17594), (472, 17603), (498, 17702), (508, 17735), (515, 17744), (538, 17801), (546, 17816), (590, 17921), (648, 18032), (654, 18044), (657, 18050), (666, 18083), (723, 18203), (774, 18332), (778, 18347), (788, 18377), (792, 18389), (803, 18425), (842, 18539), (856, 18551), (879, 18593), (945, 18800), (948, 18818), (949, 18821), (989, 19007),

Gene: DD5_25 Start: 17058, Stop: 19538, Start Num: 167

Candidate Starts for DD5_25:

(Start: 167 @17058 has 215 MA's), (181, 17097), (211, 17160), (Start: 223 @17190 has 23 MA's), (233, 17232), (327, 17439), (333, 17457), (356, 17547), (369, 17610), (376, 17634), (378, 17646), (387, 17697), (537, 18081), (592, 18183), (606, 18222), (614, 18249), (623, 18273), (672, 18402), (718, 18501), (757, 18603), (765, 18624), (777, 18666), (808, 18765), (823, 18828), (892, 19047), (903, 19080), (937, 19251), (958, 19362), (975, 19449), (982, 19488), (984, 19503),

Gene: DaHudson_27 Start: 15971, Stop: 18997, Start Num: 35

Candidate Starts for DaHudson_27:

(29, 15917), (Start: 35 @15971 has 84 MA's), (57, 16085), (79, 16151), (81, 16154), (85, 16163), (97, 16199), (113, 16250), (141, 16322), (174, 16394), (218, 16514), (220, 16517), (243, 16586), (260, 16631), (299, 16724), (305, 16733), (311, 16751), (321, 16778), (337, 16841), (341, 16853), (349, 16886), (353, 16904), (366, 16970), (367, 16973), (369, 16979), (373, 16994), (376, 17003), (378, 17015), (380, 17024), (397, 17117), (425, 17234), (426, 17237), (430, 17264), (432, 17276), (447, 17330), (453, 17351), (468, 17417), (472, 17444), (501, 17549), (520, 17597), (538, 17642), (570, 17690), (581, 17732), (582, 17741), (593, 17771), (594, 17774), (597, 17786), (618, 17843), (623, 17849), (644, 17870), (648, 17873), (706, 18011), (712, 18023), (743, 18083), (765, 18143), (774, 18173), (775, 18176), (777, 18185), (808, 18278), (828, 18368), (852, 18434), (855, 18446), (877, 18488), (894, 18551), (914, 18608), (927, 18677), (936, 18713), (950, 18794), (980, 18929),

Gene: DaVinci_29 Start: 16736, Stop: 18940, Start Num: 128

Candidate Starts for DaVinci_29:

(69, 16577), (107, 16691), (Start: 128 @16736 has 47 MA's), (175, 16847), (176, 16853), (Start: 223 @16961 has 23 MA's), (233, 17003), (284, 17069), (316, 17162), (325, 17189), (356, 17312), (362, 17345), (382, 17435), (395, 17504), (473, 17747), (577, 17885), (670, 18005), (773, 18158), (808, 18221), (819, 18263), (852, 18362), (857, 18383), (864, 18404), (872, 18425), (888, 18476), (892, 18488), (899, 18503), (919, 18584), (935, 18662),

Gene: Daishi_26 Start: 14904, Stop: 17930, Start Num: 35

Candidate Starts for Daishi_26:

(29, 14850), (Start: 35 @14904 has 84 MA's), (57, 15018), (79, 15084), (81, 15087), (85, 15096), (97, 15132), (113, 15183), (141, 15255), (174, 15327), (218, 15447), (220, 15450), (243, 15519), (260, 15564), (299, 15657), (305, 15666), (311, 15684), (321, 15711), (337, 15774), (341, 15786), (349, 15819), (353, 15837), (366, 15903), (367, 15906), (369, 15912), (373, 15927), (376, 15936), (378,

15948), (380, 15957), (393, 16035), (397, 16050), (425, 16167), (426, 16170), (430, 16197), (432, 16209), (447, 16263), (453, 16284), (468, 16350), (475, 16389), (501, 16482), (520, 16530), (538, 16575), (570, 16623), (581, 16665), (582, 16674), (593, 16704), (594, 16707), (597, 16719), (618, 16776), (623, 16782), (644, 16803), (648, 16806), (706, 16944), (712, 16956), (743, 17016), (763, 17073), (808, 17211), (812, 17232), (817, 17256), (828, 17301), (836, 17319), (852, 17367), (855, 17379), (877, 17421), (894, 17484), (914, 17541), (927, 17610), (936, 17646), (950, 17727), (980, 17862),

Gene: Dalmatian_26 Start: 16688, Stop: 19231, Start Num: 120

Candidate Starts for Dalmatian_26:

(Start: 120 @16688 has 91 MA's), (200, 16865), (203, 16868), (205, 16871), (289, 17039), (292, 17045), (296, 17066), (299, 17075), (309, 17096), (321, 17129), (328, 17162), (353, 17255), (363, 17303), (366, 17321), (373, 17345), (376, 17354), (378, 17366), (379, 17369), (380, 17375), (383, 17396), (384, 17399), (401, 17486), (425, 17585), (432, 17627), (438, 17645), (443, 17666), (450, 17693), (453, 17702), (468, 17768), (475, 17807), (538, 17993), (546, 18008), (570, 18041), (582, 18092), (590, 18113), (595, 18128), (597, 18137), (602, 18152), (644, 18221), (712, 18374), (723, 18395), (774, 18524), (778, 18539), (788, 18569), (792, 18581), (803, 18617), (881, 18797), (887, 18806), (928, 18917), (935, 18947), (949, 19031),

Gene: Danforth_21 Start: 14528, Stop: 17605, Start Num: 14

Candidate Starts for Danforth_21:

(Start: 14 @14528 has 12 MA's), (22, 14612), (48, 14780), (50, 14804), (76, 14852), (113, 14972), (138, 15044), (191, 15194), (192, 15197), (198, 15203), (291, 15389), (310, 15449), (312, 15455), (331, 15521), (339, 15548), (342, 15563), (355, 15614), (356, 15617), (362, 15650), (369, 15683), (408, 15851), (464, 16034), (473, 16058), (495, 16106), (506, 16127), (507, 16130), (572, 16274), (587, 16331), (601, 16361), (616, 16400), (653, 16472), (662, 16502), (712, 16601), (725, 16631), (742, 16676), (753, 16709), (808, 16874), (812, 16895), (815, 16907), (839, 16988), (852, 17015), (872, 17078), (880, 17102), (889, 17132), (902, 17165), (912, 17198), (925, 17258), (930, 17285), (949, 17384), (950, 17390), (967, 17480), (976, 17501), (982, 17540), (991, 17588),

Gene: Darrell_28 Start: 17782, Stop: 20697, Start Num: 51

Candidate Starts for Darrell_28:

(Start: 51 @17782 has 33 MA's), (54, 17794), (70, 17854), (127, 18013), (153, 18076), (182, 18139), (194, 18181), (220, 18238), (301, 18451), (305, 18457), (310, 18472), (336, 18562), (337, 18565), (341, 18577), (351, 18616), (352, 18619), (362, 18673), (366, 18694), (380, 18748), (383, 18769), (384, 18772), (387, 18790), (399, 18853), (419, 18919), (425, 18958), (429, 18985), (432, 19000), (440, 19030), (447, 19054), (453, 19075), (468, 19141), (475, 19180), (501, 19273), (516, 19312), (590, 19486), (593, 19495), (605, 19531), (613, 19552), (618, 19567), (623, 19573), (644, 19594), (648, 19597), (667, 19651), (694, 19705), (696, 19711), (727, 19777), (736, 19789), (765, 19867), (774, 19897), (788, 19942), (805, 19993), (827, 20080), (830, 20089), (846, 20140), (864, 20170), (877, 20203), (893, 20263), (909, 20305), (927, 20383), (934, 20410), (944, 20470), (962, 20569), (977, 20605), (981, 20635), (987, 20677),

Gene: DARTHPhader_27 Start: 17575, Stop: 20688, Start Num: 26

Candidate Starts for DARTHPhader_27:

(6, 17329), (20, 17545), (Start: 26 @17575 has 5 MA's), (Start: 51 @17752 has 33 MA's), (54, 17764), (63, 17800), (153, 18034), (182, 18097), (218, 18193), (220, 18196), (233, 18235), (296, 18397), (299, 18406), (301, 18409), (307, 18421), (321, 18460), (328, 18493), (345, 18556), (353, 18586), (362, 18631), (366, 18652), (367, 18655), (373, 18676), (380, 18706), (381, 18718), (389, 18757), (390, 18766), (394, 18787), (399, 18811), (437, 18973), (448, 19015), (453, 19033), (456, 19042), (458, 19054), (467, 19096), (468, 19099), (475, 19138), (504, 19240), (508, 19258), (538, 19324), (586, 19435), (590, 19444), (605, 19489), (611, 19504), (624, 19534), (641, 19546), (644, 19552), (651, 19561), (654, 19567), (670, 19615), (673, 19621), (677, 19627), (706, 19693), (743, 19765), (744,

19768), (765, 19825), (774, 19855), (777, 19867), (784, 19891), (788, 19900), (828, 20056), (838, 20092), (842, 20101), (877, 20176), (900, 20257), (904, 20266), (936, 20413), (943, 20461), (944, 20464), (949, 20488), (980, 20617), (981, 20629),

Gene: Datway_25 Start: 15891, Stop: 18491, Start Num: 165

Candidate Starts for Datway_25:

(Start: 165 @15891 has 118 MA's), (284, 16281), (325, 16410), (333, 16443), (341, 16470), (356, 16533), (380, 16641), (412, 16776), (471, 16974), (519, 17061), (533, 17085), (566, 17130), (610, 17241), (612, 17247), (686, 17415), (705, 17463), (730, 17520), (749, 17580), (765, 17628), (775, 17661), (785, 17694), (791, 17712), (828, 17859), (836, 17877), (882, 18003), (913, 18093), (932, 18192), (944, 18258), (946, 18267), (958, 18327), (960, 18336), (965, 18372), (972, 18390), (980, 18423), (986, 18471),

Gene: Deano_25 Start: 15893, Stop: 18493, Start Num: 165

Candidate Starts for Deano_25:

(Start: 165 @15893 has 118 MA's), (Start: 223 @16034 has 23 MA's), (Start: 228 @16052 has 10 MA's), (278, 16259), (291, 16298), (298, 16328), (333, 16445), (341, 16472), (356, 16535), (369, 16598), (380, 16643), (387, 16685), (405, 16769), (506, 17036), (533, 17087), (566, 17132), (595, 17210), (610, 17243), (612, 17249), (686, 17417), (695, 17438), (704, 17462), (731, 17528), (749, 17582), (765, 17630), (785, 17696), (828, 17861), (836, 17879), (882, 18005), (943, 18257), (944, 18260), (946, 18269), (958, 18329), (980, 18425), (986, 18473),

Gene: DeerParkTS_27 Start: 16687, Stop: 19218, Start Num: 120

Candidate Starts for DeerParkTS_27:

(Start: 120 @16687 has 91 MA's), (186, 16828), (203, 16867), (226, 16912), (289, 17026), (292, 17032), (296, 17053), (299, 17062), (309, 17083), (321, 17116), (324, 17128), (328, 17149), (341, 17191), (352, 17233), (353, 17242), (366, 17308), (376, 17341), (380, 17362), (383, 17383), (384, 17386), (425, 17572), (432, 17614), (435, 17623), (438, 17632), (447, 17668), (453, 17689), (467, 17752), (468, 17755), (472, 17782), (475, 17794), (492, 17857), (582, 18079), (586, 18091), (587, 18094), (590, 18100), (595, 18115), (605, 18145), (607, 18148), (613, 18166), (614, 18169), (617, 18178), (618, 18181), (644, 18208), (654, 18223), (658, 18232), (662, 18250), (666, 18262), (673, 18277), (694, 18319), (712, 18361), (743, 18421), (753, 18448), (774, 18511), (788, 18556), (792, 18568), (835, 18706), (879, 18775), (881, 18784), (887, 18793), (928, 18904), (935, 18934), (942, 18988), (949, 19018),

Gene: DekHockey33_28 Start: 16045, Stop: 18231, Start Num: 188

Candidate Starts for DekHockey33_28:

(Start: 129 @15868 has 2 MA's), (Start: 134 @15877 has 4 MA's), (Start: 188 @16045 has 18 MA's), (310, 16285), (312, 16291), (332, 16360), (347, 16417), (378, 16552), (380, 16561), (387, 16603), (396, 16651), (397, 16654), (428, 16765), (431, 16783), (473, 16888), (495, 16936), (563, 17041), (585, 17101), (611, 17155), (633, 17191), (646, 17215), (648, 17224), (671, 17287), (685, 17308), (692, 17323), (705, 17347), (710, 17359), (741, 17413), (746, 17434), (761, 17464), (833, 17635), (839, 17656), (872, 17740), (950, 18043), (980, 18166), (981, 18178),

Gene: Deloris_27 Start: 17042, Stop: 19579, Start Num: 120

Candidate Starts for Deloris_27:

(Start: 120 @17042 has 91 MA's), (203, 17222), (205, 17225), (226, 17273), (292, 17393), (296, 17414), (299, 17423), (309, 17444), (321, 17477), (328, 17510), (341, 17552), (353, 17603), (357, 17624), (362, 17648), (363, 17651), (366, 17669), (376, 17702), (378, 17714), (380, 17723), (383, 17744), (384, 17747), (401, 17834), (425, 17933), (432, 17975), (435, 17984), (438, 17993), (453, 18050), (468, 18116), (475, 18155), (590, 18461), (593, 18470), (595, 18476), (597, 18485), (605, 18506), (614, 18530), (624, 18551), (648, 18572), (651, 18578), (662, 18611), (666, 18623), (712, 18722), (743, 18782), (753, 18809), (774, 18872), (881, 19145), (887, 19154), (928, 19265), (935,

19295), (949, 19379),

Gene: DelvinSonDorr_28 Start: 16728, Stop: 18932, Start Num: 128

Candidate Starts for DelvinSonDorr_28:

(69, 16569), (107, 16683), (Start: 128 @16728 has 47 MA's), (175, 16839), (176, 16845), (Start: 223 @16953 has 23 MA's), (233, 16995), (284, 17061), (316, 17154), (325, 17181), (356, 17304), (362, 17337), (382, 17427), (395, 17496), (473, 17739), (577, 17877), (670, 17997), (773, 18150), (808, 18213), (819, 18255), (852, 18354), (857, 18375), (864, 18396), (872, 18417), (888, 18468), (892, 18480), (899, 18495), (919, 18576), (935, 18654),

Gene: Dexes_25 Start: 17027, Stop: 19498, Start Num: 167

Candidate Starts for Dexes_25:

(Start: 167 @17027 has 215 MA's), (181, 17066), (211, 17129), (Start: 223 @17159 has 23 MA's), (229, 17180), (233, 17201), (236, 17213), (273, 17231), (288, 17276), (303, 17321), (356, 17519), (362, 17552), (378, 17618), (440, 17873), (453, 17894), (460, 17921), (549, 18080), (575, 18116), (610, 18209), (617, 18230), (623, 18245), (630, 18266), (632, 18269), (659, 18338), (672, 18374), (687, 18407), (703, 18443), (718, 18473), (732, 18509), (757, 18575), (765, 18596), (808, 18737), (848, 18878), (857, 18899), (901, 19034), (937, 19211), (958, 19322), (975, 19409), (982, 19448), (986, 19478),

Gene: Dhanush_25 Start: 15888, Stop: 18488, Start Num: 165

Candidate Starts for Dhanush_25:

(Start: 165 @15888 has 118 MA's), (Start: 223 @16029 has 23 MA's), (Start: 228 @16047 has 10 MA's), (278, 16254), (291, 16293), (298, 16323), (333, 16440), (341, 16467), (356, 16530), (369, 16593), (380, 16638), (387, 16680), (405, 16764), (506, 17031), (533, 17082), (566, 17127), (595, 17205), (612, 17244), (658, 17340), (660, 17349), (686, 17412), (695, 17433), (731, 17523), (749, 17577), (765, 17625), (785, 17691), (828, 17856), (836, 17874), (882, 18000), (943, 18252), (944, 18255), (946, 18264), (958, 18324), (980, 18420), (986, 18468),

Gene: Dieselweasel_27 Start: 15980, Stop: 19006, Start Num: 35

Candidate Starts for Dieselweasel_27:

(29, 15926), (Start: 35 @15980 has 84 MA's), (57, 16094), (79, 16160), (81, 16163), (85, 16172), (97, 16208), (113, 16259), (141, 16331), (174, 16403), (218, 16523), (220, 16526), (243, 16595), (260, 16640), (299, 16733), (305, 16742), (311, 16760), (321, 16787), (337, 16850), (341, 16862), (349, 16895), (353, 16913), (366, 16979), (367, 16982), (369, 16988), (373, 17003), (376, 17012), (378, 17024), (380, 17033), (393, 17111), (397, 17126), (425, 17243), (426, 17246), (430, 17273), (432, 17285), (447, 17339), (453, 17360), (468, 17426), (475, 17465), (501, 17558), (520, 17606), (538, 17651), (570, 17699), (581, 17741), (582, 17750), (593, 17780), (594, 17783), (597, 17795), (618, 17852), (623, 17858), (644, 17879), (648, 17882), (706, 18020), (712, 18032), (743, 18092), (763, 18149), (808, 18287), (812, 18308), (817, 18332), (828, 18377), (836, 18395), (852, 18443), (855, 18455), (877, 18497), (894, 18560), (914, 18617), (927, 18686), (936, 18722), (950, 18803), (980, 18938),

Gene: Dignity_28 Start: 17064, Stop: 19607, Start Num: 120

Candidate Starts for Dignity_28:

(Start: 120 @17064 has 91 MA's), (203, 17244), (205, 17247), (289, 17415), (292, 17421), (296, 17442), (299, 17451), (305, 17460), (309, 17472), (324, 17517), (328, 17538), (341, 17580), (353, 17631), (362, 17676), (363, 17679), (366, 17697), (376, 17730), (378, 17742), (380, 17751), (383, 17772), (384, 17775), (401, 17862), (425, 17961), (432, 18003), (435, 18012), (438, 18021), (453, 18078), (468, 18144), (475, 18183), (498, 18270), (501, 18276), (515, 18312), (538, 18369), (577, 18435), (582, 18468), (587, 18483), (590, 18489), (593, 18498), (597, 18513), (605, 18534), (613, 18555), (623, 18576), (624, 18579), (644, 18597), (648, 18600), (666, 18651), (694, 18708), (701, 18726), (712, 18750), (743, 18810), (753, 18837), (774, 18900), (788, 18945), (827, 19083), (881,

19173), (887, 19182), (908, 19206), (926, 19284), (928, 19293), (935, 19323), (949, 19407),

Gene: Dinger_21 Start: 12094, Stop: 15441, Start Num: 15

Candidate Starts for Dinger_21:

(Start: 15 @12094 has 35 MA's), (17, 12112), (31, 12235), (37, 12256), (42, 12277), (47, 12307), (63, 12346), (94, 12421), (126, 12517), (127, 12526), (Start: 159 @12601 has 1 MA's), (173, 12622), (180, 12643), (183, 12649), (197, 12697), (232, 12769), (245, 12808), (251, 12817), (276, 12871), (296, 12931), (312, 12970), (323, 13003), (333, 13042), (348, 13099), (373, 13210), (378, 13231), (380, 13240), (387, 13282), (397, 13333), (399, 13345), (420, 13417), (421, 13420), (432, 13492), (435, 13501), (448, 13549), (453, 13567), (456, 13576), (458, 13588), (464, 13618), (467, 13630), (472, 13660), (481, 13705), (489, 13729), (504, 13774), (522, 13825), (528, 13837), (531, 13840), (538, 13858), (546, 13873), (577, 13924), (590, 13978), (603, 14020), (627, 14074), (640, 14077), (659, 14119), (700, 14215), (713, 14245), (750, 14329), (761, 14356), (781, 14431), (793, 14476), (795, 14485), (837, 14632), (865, 14698), (884, 14752), (887, 14761), (897, 14797), (915, 14869), (921, 14893), (929, 14938), (933, 14956), (945, 15031), (950, 15064), (959, 15106), (978, 15199), (981, 15223), (992, 15379), (994, 15397),

Gene: DirtDevil_25 Start: 17195, Stop: 19666, Start Num: 167

Candidate Starts for DirtDevil_25:

(Start: 167 @17195 has 215 MA's), (181, 17234), (211, 17297), (Start: 223 @17327 has 23 MA's), (229, 17348), (233, 17369), (236, 17381), (273, 17399), (280, 17423), (303, 17489), (356, 17687), (362, 17720), (378, 17786), (440, 18041), (453, 18062), (460, 18089), (498, 18185), (533, 18215), (549, 18248), (575, 18284), (610, 18377), (617, 18398), (642, 18455), (687, 18575), (703, 18611), (718, 18641), (732, 18677), (757, 18743), (765, 18764), (777, 18806), (808, 18905), (848, 19046), (857, 19067), (901, 19202), (958, 19490), (975, 19577), (982, 19616),

Gene: DirtyDunning_25 Start: 15881, Stop: 18481, Start Num: 165

Candidate Starts for DirtyDunning_25:

(Start: 165 @15881 has 118 MA's), (Start: 223 @16022 has 23 MA's), (Start: 228 @16040 has 10 MA's), (278, 16247), (291, 16286), (298, 16316), (341, 16460), (356, 16523), (369, 16586), (380, 16631), (387, 16673), (405, 16757), (506, 17024), (533, 17075), (566, 17120), (595, 17198), (610, 17231), (612, 17237), (662, 17351), (686, 17405), (704, 17450), (730, 17510), (749, 17570), (785, 17684), (828, 17849), (836, 17867), (882, 17993), (943, 18245), (944, 18248), (946, 18257), (958, 18317), (980, 18413), (986, 18461),

Gene: Discoknowium_22 Start: 15358, Stop: 18699, Start Num: 1

Candidate Starts for Discoknowium_22:

(Start: 1 @15358 has 39 MA's), (32, 15796), (Start: 129 @16108 has 2 MA's), (152, 16186), (Start: 161 @16216 has 8 MA's), (184, 16273), (236, 16420), (240, 16426), (243, 16432), (312, 16558), (316, 16570), (356, 16720), (363, 16756), (369, 16786), (373, 16801), (380, 16831), (381, 16843), (386, 16867), (399, 16936), (423, 17002), (473, 17158), (506, 17227), (507, 17230), (524, 17257), (541, 17281), (589, 17419), (598, 17440), (614, 17485), (634, 17527), (722, 17719), (731, 17749), (742, 17773), (745, 17785), (751, 17806), (768, 17848), (794, 17935), (808, 17971), (812, 17992), (819, 18013), (843, 18091), (852, 18112), (857, 18133), (864, 18154), (872, 18175), (880, 18199), (902, 18262), (925, 18355), (928, 18373), (943, 18454), (946, 18466), (948, 18478), (950, 18487), (961, 18541), (979, 18625), (980, 18634),

Gene: Dixon_22 Start: 14547, Stop: 17624, Start Num: 14

Candidate Starts for Dixon_22:

(Start: 14 @14547 has 12 MA's), (22, 14631), (48, 14799), (50, 14823), (76, 14871), (113, 14991), (138, 15063), (191, 15213), (192, 15216), (198, 15222), (291, 15408), (310, 15468), (312, 15474), (331, 15540), (339, 15567), (342, 15582), (355, 15633), (356, 15636), (362, 15669), (369, 15702), (408, 15870), (464, 16053), (473, 16077), (495, 16125), (506, 16146), (507, 16149), (572, 16293),

(587, 16350), (601, 16380), (616, 16419), (653, 16491), (662, 16521), (712, 16620), (725, 16650), (742, 16695), (753, 16728), (808, 16893), (812, 16914), (815, 16926), (839, 17007), (852, 17034), (864, 17076), (872, 17097), (880, 17121), (889, 17151), (902, 17184), (912, 17217), (925, 17277), (930, 17304), (949, 17403), (967, 17499), (976, 17520), (982, 17559), (991, 17607),

Gene: DontArgue_24 Start: 14083, Stop: 16779, Start Num: 215

Candidate Starts for DontArgue_24:

(102, 13720), (Start: 161 @13951 has 8 MA's), (Start: 215 @14083 has 5 MA's), (Start: 228 @14128 has 10 MA's), (248, 14206), (267, 14305), (302, 14413), (306, 14425), (314, 14452), (315, 14455), (323, 14488), (327, 14509), (343, 14566), (351, 14596), (353, 14611), (354, 14617), (359, 14638), (367, 14680), (378, 14743), (415, 14914), (426, 14965), (434, 15007), (452, 15061), (481, 15184), (499, 15238), (547, 15349), (553, 15364), (594, 15469), (607, 15505), (612, 15520), (619, 15541), (622, 15544), (643, 15589), (680, 15688), (686, 15697), (695, 15718), (699, 15730), (722, 15778), (731, 15808), (753, 15874), (783, 15973), (785, 15976), (808, 16051), (822, 16117), (828, 16141), (836, 16159), (851, 16210), (857, 16234), (878, 16288), (882, 16300), (895, 16330), (909, 16369), (956, 16600), (958, 16615), (977, 16693), (980, 16711), (986, 16759),

Gene: Doom_25 Start: 17148, Stop: 19628, Start Num: 167

Candidate Starts for Doom_25:

(Start: 167 @17148 has 215 MA's), (181, 17187), (211, 17250), (Start: 223 @17280 has 23 MA's), (233, 17322), (327, 17529), (333, 17547), (356, 17637), (369, 17700), (376, 17724), (378, 17736), (387, 17787), (537, 18171), (592, 18273), (606, 18312), (623, 18363), (672, 18492), (718, 18591), (757, 18693), (765, 18714), (770, 18726), (777, 18756), (807, 18852), (808, 18855), (823, 18918), (892, 19137), (903, 19170), (937, 19341), (958, 19452), (970, 19518), (975, 19539), (982, 19578), (984, 19593),

Gene: Dorothea_29 Start: 16736, Stop: 18940, Start Num: 128

Candidate Starts for Dorothea_29:

(69, 16577), (107, 16691), (Start: 128 @16736 has 47 MA's), (175, 16847), (Start: 223 @16961 has 23 MA's), (233, 17003), (304, 17126), (316, 17162), (325, 17189), (356, 17312), (362, 17345), (382, 17435), (395, 17504), (473, 17747), (577, 17885), (670, 18005), (773, 18158), (808, 18221), (819, 18263), (852, 18362), (857, 18383), (864, 18404), (872, 18425), (888, 18476), (892, 18488), (899, 18503), (919, 18584), (935, 18662),

Gene: DrFeelGood_23 Start: 16492, Stop: 19152, Start Num: 167

Candidate Starts for DrFeelGood_23:

(Start: 167 @16492 has 215 MA's), (181, 16531), (211, 16594), (Start: 223 @16624 has 23 MA's), (233, 16666), (356, 16975), (369, 17038), (380, 17083), (385, 17107), (400, 17182), (403, 17194), (504, 17515), (610, 17845), (629, 17896), (642, 17923), (719, 18127), (762, 18241), (765, 18250), (772, 18271), (777, 18292), (808, 18391), (819, 18433), (820, 18436), (860, 18565), (888, 18649), (904, 18694), (958, 18976), (975, 19063), (982, 19102), (984, 19117),

Gene: Drake55_28 Start: 17129, Stop: 19636, Start Num: 120

Candidate Starts for Drake55_28:

(Start: 120 @17129 has 91 MA's), (175, 17240), (195, 17297), (287, 17453), (296, 17483), (299, 17492), (321, 17546), (328, 17579), (330, 17585), (373, 17765), (376, 17774), (379, 17789), (380, 17795), (383, 17816), (384, 17819), (387, 17837), (397, 17888), (398, 17897), (425, 18005), (432, 18047), (435, 18056), (447, 18101), (453, 18122), (468, 18188), (475, 18227), (538, 18413), (546, 18428), (568, 18455), (582, 18512), (587, 18527), (590, 18533), (593, 18542), (597, 18557), (605, 18578), (613, 18599), (624, 18623), (651, 18650), (654, 18656), (662, 18683), (706, 18782), (712, 18794), (753, 18881), (774, 18944), (788, 18989), (803, 19037), (815, 19073), (822, 19106), (864, 19169), (877, 19193), (930, 19337), (949, 19436), (964, 19523), (989, 19622),

Gene: Drake94_24 Start: 13780, Stop: 16512, Start Num: 161

Candidate Starts for Drake94_24:

(Start: 161 @13780 has 8 MA's), (Start: 228 @13957 has 10 MA's), (247, 14032), (252, 14044), (294, 14206), (302, 14227), (306, 14239), (315, 14269), (323, 14302), (334, 14347), (340, 14365), (343, 14380), (344, 14389), (351, 14410), (370, 14515), (378, 14557), (414, 14722), (457, 14884), (462, 14911), (547, 15088), (571, 15133), (594, 15208), (611, 15256), (612, 15259), (619, 15280), (622, 15283), (643, 15328), (670, 15403), (672, 15406), (680, 15427), (692, 15451), (722, 15517), (731, 15547), (736, 15559), (763, 15646), (770, 15661), (785, 15715), (808, 15790), (824, 15868), (828, 15880), (836, 15898), (847, 15937), (854, 15949), (857, 15961), (874, 16003), (878, 16015), (882, 16027), (888, 16042), (895, 16063), (899, 16075), (946, 16288), (958, 16348), (965, 16393), (980, 16444), (986, 16492),

Gene: DreamCatcher_27 Start: 17777, Stop: 20245, Start Num: 167

Candidate Starts for DreamCatcher_27:

(Start: 167 @17777 has 215 MA's), (174, 17792), (Start: 223 @17906 has 23 MA's), (229, 17927), (233, 17948), (273, 17978), (280, 18002), (288, 18023), (303, 18068), (356, 18266), (362, 18299), (378, 18365), (440, 18620), (453, 18641), (460, 18668), (549, 18827), (575, 18863), (610, 18956), (617, 18977), (623, 18992), (630, 19013), (632, 19016), (659, 19085), (672, 19121), (687, 19154), (703, 19190), (718, 19220), (732, 19256), (757, 19322), (765, 19343), (777, 19385), (808, 19484), (848, 19625), (857, 19646), (901, 19781), (937, 19958), (958, 20069), (975, 20156), (982, 20195), (986, 20225),

Gene: DreamTeam1_26 Start: 15742, Stop: 18648, Start Num: 51

Candidate Starts for DreamTeam1_26:

(Start: 21 @15553 has 1 MA's), (Start: 36 @15655 has 4 MA's), (Start: 51 @15742 has 33 MA's), (54, 15754), (98, 15886), (104, 15907), (111, 15928), (127, 15970), (136, 15982), (153, 16033), (182, 16096), (194, 16138), (220, 16195), (233, 16234), (301, 16405), (305, 16411), (336, 16516), (341, 16531), (351, 16570), (352, 16573), (366, 16648), (367, 16651), (380, 16702), (383, 16723), (384, 16726), (387, 16744), (425, 16912), (429, 16939), (432, 16954), (447, 17008), (453, 17029), (467, 17092), (468, 17095), (475, 17134), (501, 17227), (508, 17254), (570, 17368), (575, 17377), (584, 17422), (593, 17449), (605, 17485), (613, 17506), (618, 17521), (644, 17548), (648, 17551), (658, 17572), (667, 17605), (696, 17665), (712, 17701), (774, 17851), (788, 17896), (805, 17947), (822, 18013), (828, 18037), (836, 18055), (840, 18076), (846, 18094), (864, 18124), (877, 18157), (882, 18178), (891, 18208), (909, 18259), (927, 18337), (936, 18373), (944, 18424), (949, 18448), (962, 18523), (981, 18589), (987, 18631),

Gene: Dreamboat_25 Start: 16304, Stop: 18775, Start Num: 167

Candidate Starts for Dreamboat_25:

(Start: 167 @16304 has 215 MA's), (181, 16343), (211, 16406), (Start: 223 @16436 has 23 MA's), (229, 16457), (233, 16478), (273, 16508), (280, 16532), (303, 16598), (356, 16796), (362, 16829), (378, 16895), (440, 17150), (453, 17171), (460, 17198), (549, 17357), (575, 17393), (610, 17486), (617, 17507), (642, 17564), (687, 17684), (703, 17720), (718, 17750), (732, 17786), (757, 17852), (765, 17873), (808, 18014), (848, 18155), (857, 18176), (923, 18407), (937, 18488), (958, 18599), (975, 18686), (982, 18725), (986, 18755),

Gene: DroogsArmy_26 Start: 17266, Stop: 20634, Start Num: 36

Candidate Starts for DroogsArmy_26:

(Start: 36 @17266 has 4 MA's), (58, 17395), (72, 17449), (87, 17491), (135, 17653), (178, 17803), (218, 17905), (250, 18040), (309, 18238), (328, 18304), (336, 18331), (337, 18334), (341, 18346), (356, 18409), (357, 18418), (362, 18442), (369, 18472), (380, 18517), (384, 18541), (418, 18685), (425, 18727), (429, 18754), (432, 18769), (443, 18808), (447, 18823), (453, 18844), (466, 18901), (468, 18910), (469, 18919), (505, 19060), (540, 19138), (575, 19192), (590, 19255), (595, 19270), (605, 19300), (610, 19312), (611, 19315), (617, 19333), (623, 19342), (628, 19357), (635, 19375),

(648, 19408), (657, 19426), (679, 19489), (708, 19555), (712, 19564), (713, 19567), (717, 19576), (718, 19579), (721, 19588), (722, 19597), (731, 19630), (736, 19642), (745, 19666), (753, 19696), (777, 19774), (780, 19786), (782, 19795), (784, 19798), (788, 19807), (790, 19816), (812, 19894), (817, 19918), (828, 19963), (836, 19981), (853, 20038), (858, 20056), (866, 20080), (869, 20089), (877, 20110), (882, 20131), (885, 20143), (891, 20164), (904, 20203), (911, 20236), (928, 20317), (936, 20350), (944, 20401), (948, 20422), (954, 20446), (964, 20512), (968, 20527), (969, 20533),

Gene: DropBear_25 Start: 15555, Stop: 18593, Start Num: 33

Candidate Starts for DropBear_25:

(Start: 33 @15555 has 33 MA's), (73, 15729), (81, 15741), (92, 15774), (174, 15984), (220, 16107), (226, 16128), (299, 16314), (321, 16368), (337, 16431), (341, 16443), (349, 16476), (353, 16494), (367, 16563), (369, 16569), (373, 16584), (376, 16593), (378, 16605), (380, 16614), (397, 16707), (425, 16824), (426, 16827), (430, 16854), (432, 16866), (447, 16920), (453, 16941), (458, 16962), (468, 17007), (475, 17046), (520, 17187), (538, 17232), (546, 17247), (581, 17322), (582, 17331), (593, 17361), (597, 17376), (598, 17379), (605, 17397), (613, 17418), (614, 17421), (623, 17439), (644, 17460), (648, 17463), (682, 17547), (712, 17613), (723, 17634), (743, 17673), (759, 17712), (774, 17763), (775, 17766), (777, 17775), (784, 17799), (808, 17868), (812, 17889), (828, 17958), (836, 17976), (852, 18024), (855, 18036), (877, 18078), (880, 18090), (893, 18138), (936, 18309), (940, 18339), (946, 18369), (950, 18390), (980, 18525), (981, 18537), (986, 18573),

Gene: Druantia_25 Start: 15886, Stop: 18486, Start Num: 165

Candidate Starts for Druantia_25:

(Start: 165 @15886 has 118 MA's), (Start: 223 @16027 has 23 MA's), (Start: 228 @16045 has 10 MA's), (278, 16252), (291, 16291), (298, 16321), (333, 16438), (341, 16465), (356, 16528), (369, 16591), (380, 16636), (387, 16678), (405, 16762), (506, 17029), (533, 17080), (566, 17125), (595, 17203), (612, 17242), (619, 17263), (686, 17410), (695, 17431), (704, 17455), (730, 17515), (731, 17521), (732, 17524), (749, 17575), (765, 17623), (785, 17689), (828, 17854), (836, 17872), (882, 17998), (943, 18250), (944, 18253), (946, 18262), (958, 18322), (980, 18418), (986, 18466),

Gene: Dublin_21 Start: 15212, Stop: 18550, Start Num: 1

Candidate Starts for Dublin_21:

(Start: 1 @15212 has 39 MA's), (32, 15650), (Start: 129 @15962 has 2 MA's), (145, 16004), (152, 16040), (Start: 161 @16070 has 8 MA's), (184, 16127), (221, 16211), (236, 16274), (240, 16280), (304, 16382), (310, 16400), (337, 16493), (356, 16568), (365, 16613), (369, 16631), (380, 16676), (383, 16697), (429, 16889), (458, 16949), (484, 17027), (507, 17075), (554, 17153), (595, 17279), (598, 17291), (608, 17315), (634, 17378), (722, 17570), (731, 17600), (742, 17624), (745, 17636), (768, 17699), (808, 17822), (812, 17843), (819, 17864), (843, 17942), (852, 17963), (864, 18005), (872, 18026), (883, 18062), (902, 18113), (911, 18143), (925, 18206), (928, 18224), (943, 18305), (946, 18317), (948, 18329), (950, 18338), (961, 18392), (979, 18476), (983, 18515),

Gene: DudeLittle_26 Start: 16690, Stop: 19233, Start Num: 120

Candidate Starts for DudeLittle_26:

(Start: 120 @16690 has 91 MA's), (200, 16867), (203, 16870), (205, 16873), (289, 17041), (292, 17047), (296, 17068), (299, 17077), (309, 17098), (321, 17131), (328, 17164), (353, 17257), (363, 17305), (366, 17323), (373, 17347), (376, 17356), (378, 17368), (379, 17371), (380, 17377), (383, 17398), (384, 17401), (401, 17488), (425, 17587), (432, 17629), (438, 17647), (450, 17695), (453, 17704), (468, 17770), (475, 17809), (538, 17995), (546, 18010), (570, 18043), (582, 18094), (590, 18115), (595, 18130), (597, 18139), (602, 18154), (644, 18223), (712, 18376), (723, 18397), (774, 18526), (788, 18571), (792, 18583), (803, 18619), (881, 18799), (887, 18808), (928, 18919), (935, 18949), (949, 19033),

Gene: Dulcie_23 Start: 16001, Stop: 18472, Start Num: 167

Candidate Starts for Dulcie_23:

(Start: 167 @16001 has 215 MA's), (181, 16040), (211, 16103), (Start: 223 @16133 has 23 MA's), (229, 16154), (233, 16175), (236, 16187), (273, 16205), (303, 16295), (315, 16331), (356, 16493), (362, 16526), (378, 16592), (440, 16847), (453, 16868), (460, 16895), (549, 17054), (575, 17090), (610, 17183), (617, 17204), (642, 17261), (687, 17381), (703, 17417), (718, 17447), (732, 17483), (757, 17549), (765, 17570), (808, 17711), (848, 17852), (857, 17873), (901, 18008), (937, 18185), (958, 18296), (970, 18362), (975, 18383), (982, 18422), (984, 18437),

Gene: Duplo_29 Start: 16546, Stop: 19059, Start Num: 120

Candidate Starts for Duplo_29:

(Start: 120 @16546 has 91 MA's), (203, 16726), (205, 16729), (321, 16975), (336, 17035), (341, 17050), (348, 17080), (349, 17083), (366, 17167), (373, 17191), (379, 17215), (383, 17242), (384, 17245), (404, 17350), (425, 17431), (429, 17458), (432, 17473), (447, 17527), (453, 17548), (468, 17614), (470, 17632), (472, 17641), (498, 17740), (508, 17773), (515, 17782), (538, 17839), (546, 17854), (590, 17959), (648, 18070), (654, 18082), (657, 18088), (666, 18121), (723, 18241), (774, 18370), (778, 18385), (788, 18415), (792, 18427), (803, 18463), (842, 18577), (856, 18589), (879, 18631), (945, 18838), (948, 18856), (949, 18859), (989, 19045),

Gene: Dussy_25 Start: 16660, Stop: 19059, Start Num: 167

Candidate Starts for Dussy_25:

(Start: 167 @16660 has 215 MA's), (181, 16699), (211, 16762), (Start: 223 @16792 has 23 MA's), (229, 16813), (233, 16834), (236, 16846), (246, 16864), (288, 16909), (303, 16954), (356, 17152), (362, 17185), (378, 17251), (452, 17506), (459, 17527), (464, 17554), (483, 17593), (537, 17650), (567, 17680), (645, 17842), (711, 17995), (718, 18007), (726, 18022), (763, 18139), (777, 18184), (782, 18205), (784, 18208), (823, 18358), (828, 18373), (848, 18439), (864, 18481), (923, 18691), (937, 18772), (958, 18883), (975, 18970), (982, 19009), (984, 19024),

Gene: DustyMartin_29 Start: 15937, Stop: 18492, Start Num: 228

Candidate Starts for DustyMartin_29:

(Start: 161 @15760 has 8 MA's), (Start: 228 @15937 has 10 MA's), (232, 15958), (248, 16015), (269, 16111), (272, 16120), (306, 16225), (314, 16252), (323, 16288), (343, 16366), (344, 16375), (351, 16396), (356, 16423), (370, 16501), (378, 16543), (414, 16708), (455, 16858), (457, 16870), (547, 17065), (594, 17185), (610, 17230), (611, 17233), (612, 17236), (619, 17257), (622, 17260), (643, 17305), (658, 17341), (662, 17359), (670, 17380), (686, 17413), (732, 17527), (753, 17590), (777, 17668), (785, 17692), (808, 17767), (822, 17833), (828, 17857), (836, 17875), (868, 17971), (878, 17995), (882, 18007), (888, 18022), (895, 18043), (899, 18055), (946, 18268), (954, 18304), (957, 18325), (958, 18328), (980, 18424), (986, 18472),

Gene: Dynamix_25 Start: 16399, Stop: 18876, Start Num: 169

Candidate Starts for Dynamix_25:

(Start: 169 @16399 has 9 MA's), (174, 16414), (Start: 223 @16528 has 23 MA's), (233, 16570), (327, 16777), (333, 16795), (356, 16885), (369, 16948), (376, 16972), (378, 16984), (387, 17035), (537, 17419), (592, 17521), (606, 17560), (614, 17587), (623, 17611), (672, 17740), (718, 17839), (757, 17941), (765, 17962), (777, 18004), (808, 18103), (823, 18166), (852, 18256), (892, 18385), (903, 18418), (937, 18589), (958, 18700), (970, 18766), (975, 18787), (982, 18826), (984, 18841),

Gene: EZMoney23_30 Start: 18597, Stop: 21101, Start Num: 120

Candidate Starts for EZMoney23_30:

(Start: 120 @18597 has 91 MA's), (175, 18708), (181, 18726), (195, 18765), (Start: 208 @18786 has 1 MA's), (216, 18810), (296, 18939), (299, 18948), (341, 19077), (353, 19128), (367, 19197), (369, 19203), (373, 19218), (376, 19227), (378, 19239), (380, 19248), (425, 19458), (429, 19485), (432, 19500), (447, 19554), (453, 19575), (468, 19641), (475, 19680), (538, 19866), (582, 19965), (587, 19980), (590, 19986), (593, 19995), (597, 20010), (605, 20031), (613, 20052), (644, 20094), (654, 20109), (662, 20136), (688, 20193), (694, 20205), (712, 20247), (743, 20307), (753, 20334), (763,

20364), (774, 20397), (788, 20442), (792, 20454), (879, 20661), (881, 20670), (887, 20679), (920, 20760), (928, 20790), (935, 20820), (949, 20901),

Gene: Eagle_24 Start: 16026, Stop: 18485, Start Num: 223

Candidate Starts for Eagle_24:

(Start: 165 @15885 has 118 MA's), (Start: 223 @16026 has 23 MA's), (Start: 228 @16044 has 10 MA's), (278, 16251), (291, 16290), (298, 16320), (325, 16404), (333, 16437), (341, 16464), (356, 16527), (369, 16590), (380, 16635), (387, 16677), (405, 16761), (506, 17028), (533, 17079), (566, 17124), (595, 17202), (612, 17241), (658, 17337), (660, 17346), (686, 17409), (695, 17430), (705, 17457), (730, 17514), (731, 17520), (749, 17574), (765, 17622), (785, 17688), (828, 17853), (836, 17871), (882, 17997), (943, 18249), (944, 18252), (946, 18261), (958, 18321), (980, 18417), (986, 18465),

Gene: EagleEye_28 Start: 16836, Stop: 19898, Start Num: 3

Candidate Starts for EagleEye_28:

(Start: 3 @16836 has 3 MA's), (12, 17010), (28, 17127), (65, 17304), (115, 17460), (121, 17466), (157, 17568), (202, 17664), (236, 17772), (240, 17778), (312, 17892), (331, 17958), (339, 17985), (356, 18054), (362, 18087), (363, 18090), (381, 18177), (382, 18180), (397, 18258), (417, 18318), (429, 18378), (552, 18612), (576, 18642), (577, 18645), (585, 18669), (653, 18798), (734, 18975), (739, 18987), (808, 19182), (812, 19203), (839, 19296), (852, 19323), (857, 19344), (864, 19365), (931, 19605), (935, 19623), (945, 19680), (966, 19791),

Gene: Eaglepride_26 Start: 15877, Stop: 18447, Start Num: 228

Candidate Starts for Eaglepride_26:

(Start: 161 @15700 has 8 MA's), (Start: 228 @15877 has 10 MA's), (248, 15955), (264, 16030), (267, 16054), (272, 16069), (294, 16141), (306, 16174), (309, 16183), (318, 16216), (323, 16237), (337, 16291), (340, 16300), (343, 16315), (344, 16324), (351, 16345), (366, 16426), (370, 16450), (422, 16690), (462, 16849), (463, 16852), (571, 17068), (594, 17143), (611, 17191), (612, 17194), (619, 17215), (622, 17218), (658, 17299), (660, 17308), (670, 17338), (692, 17386), (695, 17392), (732, 17485), (769, 17593), (777, 17626), (780, 17638), (785, 17650), (791, 17668), (808, 17725), (822, 17791), (828, 17815), (836, 17833), (840, 17854), (847, 17872), (859, 17905), (868, 17926), (882, 17962), (895, 17998), (899, 18010), (946, 18223), (958, 18283), (980, 18379), (986, 18427),

Gene: Eapen_25 Start: 16025, Stop: 18484, Start Num: 223

Candidate Starts for Eapen_25:

(Start: 165 @15884 has 118 MA's), (Start: 223 @16025 has 23 MA's), (Start: 228 @16043 has 10 MA's), (278, 16250), (291, 16289), (298, 16319), (333, 16436), (341, 16463), (356, 16526), (369, 16589), (380, 16634), (387, 16676), (405, 16760), (506, 17027), (533, 17078), (566, 17123), (595, 17201), (612, 17240), (686, 17408), (695, 17429), (704, 17453), (731, 17519), (749, 17573), (765, 17621), (785, 17687), (828, 17852), (836, 17870), (882, 17996), (943, 18248), (944, 18251), (946, 18260), (958, 18320), (980, 18416), (986, 18464),

Gene: Ebony_26 Start: 17224, Stop: 19752, Start Num: 131

Candidate Starts for Ebony_26:

(Start: 125 @17206 has 22 MA's), (Start: 131 @17224 has 2 MA's), (Start: 188 @17398 has 18 MA's), (192, 17407), (233, 17482), (291, 17536), (308, 17590), (313, 17605), (314, 17608), (321, 17626), (337, 17689), (341, 17701), (356, 17764), (369, 17827), (373, 17842), (376, 17851), (380, 17872), (384, 17896), (387, 17911), (408, 17998), (410, 18001), (416, 18016), (422, 18037), (424, 18049), (440, 18115), (458, 18157), (462, 18178), (464, 18187), (473, 18211), (503, 18292), (506, 18301), (510, 18313), (522, 18355), (562, 18412), (580, 18466), (618, 18574), (638, 18613), (698, 18754), (742, 18850), (746, 18871), (760, 18904), (773, 18937), (774, 18940), (807, 19024), (819, 19069), (820, 19072), (854, 19186), (864, 19219), (888, 19291), (902, 19327), (919, 19399), (935, 19477), (944, 19531), (949, 19555), (976, 19666),

Gene: Echild_26 Start: 16721, Stop: 19258, Start Num: 120

Candidate Starts for Echild_26:

(Start: 120 @16721 has 91 MA's), (203, 16901), (216, 16934), (289, 17066), (292, 17072), (296, 17093), (299, 17102), (328, 17189), (341, 17231), (353, 17282), (361, 17318), (363, 17330), (366, 17348), (376, 17381), (378, 17393), (379, 17396), (380, 17402), (383, 17423), (384, 17426), (425, 17612), (432, 17654), (435, 17663), (438, 17672), (453, 17729), (468, 17795), (475, 17834), (522, 17987), (590, 18140), (593, 18149), (595, 18155), (597, 18164), (605, 18185), (614, 18209), (624, 18230), (648, 18251), (662, 18290), (666, 18302), (712, 18401), (743, 18461), (753, 18488), (774, 18551), (788, 18596), (803, 18644), (881, 18824), (887, 18833), (928, 18944), (935, 18974), (949, 19058),

Gene: Edison31_25 Start: 15727, Stop: 18456, Start Num: 161

Candidate Starts for Edison31_25:

(Start: 161 @15727 has 8 MA's), (Start: 228 @15904 has 10 MA's), (232, 15925), (240, 15949), (247, 15979), (248, 15982), (252, 15991), (258, 16030), (264, 16045), (267, 16069), (282, 16114), (294, 16156), (306, 16189), (309, 16198), (323, 16252), (337, 16306), (340, 16315), (344, 16339), (351, 16360), (370, 16465), (378, 16507), (547, 17029), (594, 17149), (610, 17194), (611, 17197), (612, 17200), (622, 17224), (643, 17269), (658, 17305), (670, 17344), (686, 17377), (732, 17491), (777, 17632), (785, 17656), (808, 17731), (822, 17797), (828, 17821), (836, 17839), (857, 17905), (878, 17959), (882, 17971), (888, 17986), (895, 18007), (899, 18019), (946, 18232), (954, 18268), (957, 18289), (958, 18292), (980, 18388), (986, 18436),

Gene: EdogawaKiddo_25 Start: 17590, Stop: 20499, Start Num: 51

Candidate Starts for EdogawaKiddo_25:

(Start: 51 @17590 has 33 MA's), (54, 17602), (70, 17662), (153, 17884), (182, 17947), (194, 17989), (220, 18046), (233, 18085), (301, 18256), (305, 18262), (310, 18277), (336, 18367), (337, 18370), (341, 18382), (352, 18424), (362, 18478), (380, 18553), (383, 18574), (384, 18577), (387, 18595), (399, 18658), (419, 18724), (425, 18763), (429, 18790), (432, 18805), (440, 18835), (447, 18859), (453, 18880), (468, 18946), (475, 18985), (493, 19051), (501, 19078), (508, 19105), (538, 19171), (569, 19216), (590, 19291), (605, 19336), (613, 19357), (623, 19378), (624, 19381), (644, 19399), (648, 19402), (659, 19429), (667, 19456), (694, 19510), (774, 19702), (778, 19717), (788, 19747), (805, 19798), (827, 19885), (830, 19894), (846, 19945), (877, 20008), (882, 20029), (893, 20065), (908, 20101), (909, 20107), (927, 20185), (934, 20212), (944, 20272), (958, 20341), (962, 20371), (968, 20398), (981, 20437), (987, 20479),

Gene: Edtherson_25 Start: 17152, Stop: 19623, Start Num: 167

Candidate Starts for Edtherson_25:

(Start: 167 @17152 has 215 MA's), (181, 17191), (211, 17254), (Start: 223 @17284 has 23 MA's), (229, 17305), (233, 17326), (236, 17338), (273, 17356), (303, 17446), (356, 17644), (362, 17677), (378, 17743), (440, 17998), (453, 18019), (460, 18046), (471, 18085), (498, 18142), (533, 18172), (549, 18205), (575, 18241), (610, 18334), (617, 18355), (642, 18412), (687, 18532), (703, 18568), (718, 18598), (732, 18634), (757, 18700), (765, 18721), (777, 18763), (808, 18862), (848, 19003), (857, 19024), (923, 19255), (937, 19336), (958, 19447), (975, 19534), (982, 19573), (986, 19603),

Gene: Eidsmoe_27 Start: 17620, Stop: 20529, Start Num: 51

Candidate Starts for Eidsmoe_27:

(Start: 51 @17620 has 33 MA's), (54, 17632), (70, 17692), (153, 17914), (182, 17977), (194, 18019), (218, 18073), (220, 18076), (233, 18115), (301, 18286), (305, 18292), (310, 18307), (336, 18397), (337, 18400), (341, 18412), (352, 18454), (362, 18508), (366, 18529), (380, 18583), (383, 18604), (384, 18607), (387, 18625), (399, 18688), (419, 18754), (425, 18793), (429, 18820), (432, 18835), (440, 18865), (447, 18889), (450, 18901), (453, 18910), (468, 18976), (475, 19015), (493, 19081), (501, 19108), (508, 19135), (569, 19246), (590, 19321), (597, 19345), (605, 19366), (613, 19387),

(623, 19408), (624, 19411), (644, 19429), (648, 19432), (659, 19459), (684, 19519), (698, 19549), (712, 19582), (727, 19612), (736, 19624), (774, 19732), (778, 19747), (788, 19777), (805, 19828), (827, 19915), (830, 19924), (846, 19975), (877, 20038), (882, 20059), (893, 20095), (908, 20131), (909, 20137), (927, 20215), (934, 20242), (958, 20371), (962, 20401), (968, 20428), (981, 20467), (987, 20509),

Gene: ElTiger69_22 Start: 15089, Stop: 17902, Start Num: 1

Candidate Starts for ElTiger69_22:

(Start: 1 @15089 has 39 MA's), (9, 15278), (Start: 129 @15761 has 2 MA's), (132, 15767), (224, 15860), (243, 15911), (284, 15947), (315, 16037), (331, 16103), (337, 16124), (356, 16199), (362, 16232), (376, 16286), (381, 16319), (382, 16322), (384, 16331), (405, 16430), (419, 16463), (458, 16592), (561, 16757), (582, 16790), (614, 16823), (668, 16904), (678, 16916), (693, 16949), (737, 17036), (749, 17069), (755, 17081), (768, 17111), (808, 17174), (819, 17216), (839, 17288), (852, 17315), (856, 17330), (864, 17357), (872, 17378), (902, 17465), (911, 17495), (925, 17558), (943, 17657), (946, 17669), (948, 17681), (950, 17690), (980, 17837),

Gene: Elephantoon_27 Start: 17214, Stop: 20141, Start Num: 51

Candidate Starts for Elephantoon_27:

(Start: 51 @17214 has 33 MA's), (54, 17226), (63, 17262), (70, 17286), (153, 17508), (182, 17571), (194, 17613), (218, 17667), (220, 17670), (301, 17883), (305, 17889), (310, 17904), (336, 17994), (337, 17997), (341, 18009), (351, 18048), (362, 18105), (378, 18171), (380, 18180), (383, 18201), (384, 18204), (387, 18222), (399, 18285), (425, 18390), (426, 18393), (427, 18402), (429, 18417), (432, 18432), (447, 18486), (453, 18507), (467, 18570), (468, 18573), (475, 18612), (501, 18705), (590, 18918), (605, 18963), (623, 19005), (644, 19026), (648, 19029), (658, 19050), (673, 19095), (701, 19155), (712, 19179), (743, 19239), (744, 19242), (765, 19299), (774, 19329), (777, 19341), (784, 19365), (788, 19374), (808, 19440), (822, 19506), (828, 19530), (877, 19650), (882, 19671), (893, 19707), (909, 19749), (912, 19764), (927, 19827), (934, 19854), (944, 19914), (962, 20013), (977, 20049), (981, 20079), (987, 20121),

Gene: Elle_26 Start: 15411, Stop: 18080, Start Num: 78

Candidate Starts for Elle_26:

(62, 15351), (64, 15360), (78, 15411), (88, 15441), (199, 15801), (204, 15807), (236, 15903), (241, 15912), (243, 15915), (291, 15972), (302, 16008), (316, 16050), (325, 16077), (331, 16104), (355, 16197), (356, 16200), (362, 16233), (375, 16284), (388, 16356), (399, 16413), (419, 16467), (431, 16530), (457, 16572), (464, 16605), (482, 16647), (542, 16749), (573, 16788), (632, 16917), (655, 16968), (699, 17073), (709, 17097), (716, 17112), (766, 17238), (773, 17256), (794, 17310), (844, 17469), (848, 17487), (852, 17496), (857, 17517), (872, 17559), (876, 17571), (922, 17736), (935, 17808), (952, 17895), (953, 17901),

Gene: EmyBug_27 Start: 17620, Stop: 20529, Start Num: 51

Candidate Starts for EmyBug_27:

(Start: 51 @17620 has 33 MA's), (54, 17632), (70, 17692), (153, 17914), (182, 17977), (194, 18019), (218, 18073), (220, 18076), (233, 18115), (301, 18286), (305, 18292), (310, 18307), (336, 18397), (337, 18400), (341, 18412), (352, 18454), (362, 18508), (366, 18529), (380, 18583), (383, 18604), (384, 18607), (387, 18625), (399, 18688), (419, 18754), (425, 18793), (429, 18820), (432, 18835), (440, 18865), (447, 18889), (450, 18901), (453, 18910), (468, 18976), (475, 19015), (493, 19081), (501, 19108), (508, 19135), (569, 19246), (590, 19321), (605, 19366), (613, 19387), (623, 19408), (624, 19411), (644, 19429), (648, 19432), (659, 19459), (667, 19486), (694, 19540), (774, 19732), (778, 19747), (788, 19777), (805, 19828), (827, 19915), (830, 19924), (846, 19975), (877, 20038), (882, 20059), (893, 20095), (908, 20131), (909, 20137), (927, 20215), (934, 20242), (958, 20371), (962, 20401), (968, 20428), (981, 20467), (987, 20509),

Gene: EnzoK_25 Start: 16577, Stop: 19048, Start Num: 167

Candidate Starts for EnzoK_25:

(Start: 167 @16577 has 215 MA's), (181, 16616), (211, 16679), (Start: 223 @16709 has 23 MA's), (229, 16730), (233, 16751), (236, 16763), (273, 16781), (303, 16871), (356, 17069), (362, 17102), (378, 17168), (440, 17423), (453, 17444), (460, 17471), (471, 17510), (498, 17567), (533, 17597), (549, 17630), (575, 17666), (610, 17759), (617, 17780), (642, 17837), (687, 17957), (703, 17993), (718, 18023), (732, 18059), (757, 18125), (765, 18146), (777, 18188), (808, 18287), (848, 18428), (857, 18449), (923, 18680), (937, 18761), (958, 18872), (975, 18959), (982, 18998), (984, 19013),

Gene: EpicPhail_27 Start: 15979, Stop: 19005, Start Num: 35

Candidate Starts for EpicPhail_27:

(29, 15925), (Start: 35 @15979 has 84 MA's), (57, 16093), (79, 16159), (81, 16162), (85, 16171), (97, 16207), (113, 16258), (141, 16330), (174, 16402), (218, 16522), (220, 16525), (243, 16594), (260, 16639), (299, 16732), (305, 16741), (311, 16759), (321, 16786), (337, 16849), (341, 16861), (349, 16894), (353, 16912), (366, 16978), (367, 16981), (369, 16987), (373, 17002), (376, 17011), (378, 17023), (380, 17032), (393, 17110), (397, 17125), (425, 17242), (426, 17245), (430, 17272), (432, 17284), (447, 17338), (453, 17359), (468, 17425), (475, 17464), (501, 17557), (520, 17605), (538, 17650), (570, 17698), (581, 17740), (582, 17749), (593, 17779), (594, 17782), (597, 17794), (618, 17851), (623, 17857), (644, 17878), (648, 17881), (706, 18019), (712, 18031), (743, 18091), (763, 18148), (808, 18286), (812, 18307), (817, 18331), (828, 18376), (836, 18394), (852, 18442), (855, 18454), (877, 18496), (894, 18559), (914, 18616), (927, 18685), (936, 18721), (950, 18802), (980, 18937),

Gene: Epsocamisio_28 Start: 15923, Stop: 18109, Start Num: 188

Candidate Starts for Epsocamisio_28:

(Start: 129 @15746 has 2 MA's), (Start: 134 @15755 has 4 MA's), (Start: 188 @15923 has 18 MA's), (310, 16163), (312, 16169), (332, 16238), (347, 16295), (380, 16439), (387, 16481), (396, 16529), (397, 16532), (428, 16643), (431, 16661), (473, 16766), (495, 16814), (563, 16919), (585, 16979), (611, 17033), (633, 17069), (646, 17093), (648, 17102), (671, 17165), (685, 17186), (692, 17201), (705, 17225), (710, 17237), (741, 17291), (746, 17312), (761, 17342), (833, 17513), (839, 17534), (872, 17618), (950, 17921), (980, 18044), (981, 18056),

Gene: Equemioh13_28 Start: 17115, Stop: 19622, Start Num: 120

Candidate Starts for Equemioh13_28:

(Start: 120 @17115 has 91 MA's), (175, 17226), (195, 17283), (296, 17469), (321, 17532), (328, 17565), (330, 17571), (373, 17751), (376, 17760), (380, 17781), (383, 17802), (384, 17805), (387, 17823), (398, 17883), (425, 17991), (432, 18033), (447, 18087), (453, 18108), (467, 18171), (468, 18174), (470, 18192), (475, 18213), (538, 18399), (546, 18414), (568, 18441), (582, 18498), (587, 18513), (590, 18519), (593, 18528), (595, 18534), (605, 18564), (613, 18585), (648, 18630), (651, 18636), (662, 18669), (673, 18696), (706, 18768), (712, 18780), (743, 18840), (753, 18867), (774, 18930), (788, 18975), (792, 18987), (803, 19023), (815, 19059), (822, 19092), (864, 19155), (877, 19179), (930, 19323), (949, 19422), (964, 19509), (989, 19608),

Gene: EricB_29 Start: 16728, Stop: 18932, Start Num: 128

Candidate Starts for EricB_29:

(69, 16569), (107, 16683), (Start: 128 @16728 has 47 MA's), (175, 16839), (176, 16845), (Start: 223 @16953 has 23 MA's), (233, 16995), (284, 17061), (316, 17154), (325, 17181), (356, 17304), (362, 17337), (382, 17427), (395, 17496), (473, 17739), (577, 17877), (670, 17997), (773, 18150), (808, 18213), (819, 18255), (852, 18354), (857, 18375), (864, 18396), (872, 18417), (888, 18468), (892, 18480), (899, 18495), (919, 18576), (935, 18654),

Gene: Erik_21 Start: 12123, Stop: 15470, Start Num: 15

Candidate Starts for Erik_21:

(Start: 15 @12123 has 35 MA's), (17, 12141), (31, 12264), (37, 12285), (42, 12306), (47, 12336), (94, 12450), (107, 12498), (126, 12546), (127, 12555), (Start: 159 @12630 has 1 MA's), (173, 12651), (180, 12672), (183, 12678), (197, 12726), (232, 12798), (245, 12837), (251, 12846), (276, 12900), (294, 12954), (296, 12960), (312, 12999), (323, 13032), (333, 13071), (348, 13128), (373, 13239), (378, 13260), (380, 13269), (387, 13311), (397, 13362), (399, 13374), (420, 13446), (421, 13449), (432, 13521), (435, 13530), (441, 13554), (448, 13578), (450, 13587), (452, 13593), (453, 13596), (456, 13605), (458, 13617), (467, 13659), (472, 13689), (477, 13713), (481, 13734), (489, 13758), (504, 13803), (522, 13854), (528, 13866), (531, 13869), (538, 13887), (546, 13902), (577, 13953), (590, 14007), (652, 14130), (661, 14157), (670, 14181), (684, 14208), (700, 14244), (713, 14274), (750, 14358), (776, 14439), (790, 14484), (792, 14496), (793, 14505), (795, 14514), (798, 14520), (799, 14526), (808, 14547), (837, 14661), (842, 14682), (865, 14727), (884, 14781), (897, 14826), (915, 14898), (921, 14922), (929, 14967), (933, 14985), (945, 15060), (950, 15093), (959, 15135), (973, 15213), (978, 15228), (981, 15252), (992, 15408), (993, 15420), (994, 15426),

Gene: Eris_24 Start: 15885, Stop: 18485, Start Num: 165

Candidate Starts for Eris_24:

(Start: 165 @15885 has 118 MA's), (Start: 223 @16026 has 23 MA's), (Start: 228 @16044 has 10 MA's), (278, 16251), (291, 16290), (298, 16320), (333, 16437), (341, 16464), (356, 16527), (369, 16590), (380, 16635), (387, 16677), (405, 16761), (506, 17028), (533, 17079), (566, 17124), (595, 17202), (612, 17241), (619, 17262), (686, 17409), (695, 17430), (704, 17454), (730, 17514), (731, 17520), (749, 17574), (765, 17622), (785, 17688), (828, 17853), (836, 17871), (882, 17997), (943, 18249), (944, 18252), (946, 18261), (958, 18321), (980, 18417), (986, 18465),

Gene: Eros_25 Start: 15885, Stop: 18485, Start Num: 165

Candidate Starts for Eros_25:

(Start: 165 @15885 has 118 MA's), (Start: 223 @16026 has 23 MA's), (Start: 228 @16044 has 10 MA's), (278, 16251), (291, 16290), (298, 16320), (333, 16437), (341, 16464), (356, 16527), (369, 16590), (380, 16635), (387, 16677), (405, 16761), (506, 17028), (533, 17079), (566, 17124), (595, 17202), (610, 17235), (612, 17241), (619, 17262), (686, 17409), (695, 17430), (704, 17454), (731, 17520), (732, 17523), (749, 17574), (765, 17622), (785, 17688), (828, 17853), (836, 17871), (882, 17997), (943, 18249), (944, 18252), (946, 18261), (958, 18321), (980, 18417), (986, 18465),

Gene: Espica_21 Start: 12124, Stop: 15471, Start Num: 15

Candidate Starts for Espica_21:

(Start: 15 @12124 has 35 MA's), (17, 12142), (31, 12265), (37, 12286), (42, 12307), (47, 12337), (94, 12451), (107, 12499), (126, 12547), (127, 12556), (Start: 159 @12631 has 1 MA's), (173, 12652), (180, 12673), (183, 12679), (197, 12727), (232, 12799), (245, 12838), (251, 12847), (276, 12901), (294, 12955), (296, 12961), (312, 13000), (323, 13033), (333, 13072), (348, 13129), (373, 13240), (378, 13261), (380, 13270), (387, 13312), (397, 13363), (399, 13375), (420, 13447), (421, 13450), (432, 13522), (435, 13531), (441, 13555), (448, 13579), (450, 13588), (452, 13594), (453, 13597), (456, 13606), (458, 13618), (467, 13660), (472, 13690), (477, 13714), (481, 13735), (489, 13759), (504, 13804), (522, 13855), (528, 13867), (531, 13870), (538, 13888), (546, 13903), (577, 13954), (590, 14008), (652, 14131), (661, 14158), (670, 14182), (684, 14209), (700, 14245), (713, 14275), (750, 14359), (776, 14440), (790, 14485), (792, 14497), (793, 14506), (795, 14515), (798, 14521), (799, 14527), (808, 14548), (837, 14662), (842, 14683), (865, 14728), (884, 14782), (897, 14827), (915, 14899), (921, 14923), (929, 14968), (933, 14986), (945, 15061), (950, 15094), (959, 15136), (973, 15214), (978, 15229), (981, 15253), (992, 15409), (993, 15421), (994, 15427),

Gene: Espresso_24 Start: 16449, Stop: 18920, Start Num: 167

Candidate Starts for Espresso_24:

(Start: 167 @16449 has 215 MA's), (181, 16488), (211, 16551), (Start: 223 @16581 has 23 MA's), (229, 16602), (233, 16623), (273, 16653), (280, 16677), (303, 16743), (356, 16941), (362, 16974), (378, 17040), (440, 17295), (453, 17316), (460, 17343), (549, 17502), (575, 17538), (610, 17631),

(617, 17652), (623, 17667), (630, 17688), (632, 17691), (659, 17760), (672, 17796), (687, 17829), (703, 17865), (718, 17895), (732, 17931), (757, 17997), (765, 18018), (808, 18159), (848, 18300), (857, 18321), (901, 18456), (937, 18633), (958, 18744), (970, 18810), (975, 18831), (982, 18870), (984, 18885),

Gene: Et2Brutus_25 Start: 17166, Stop: 19712, Start Num: 125

Candidate Starts for Et2Brutus_25:

(Start: 125 @17166 has 22 MA's), (Start: 131 @17184 has 2 MA's), (Start: 188 @17358 has 18 MA's), (192, 17367), (233, 17442), (291, 17496), (308, 17550), (313, 17565), (314, 17568), (321, 17586), (337, 17649), (341, 17661), (356, 17724), (369, 17787), (373, 17802), (376, 17811), (380, 17832), (384, 17856), (387, 17871), (408, 17958), (410, 17961), (416, 17976), (422, 17997), (424, 18009), (440, 18075), (462, 18138), (464, 18147), (473, 18171), (503, 18252), (506, 18261), (510, 18273), (522, 18315), (562, 18372), (580, 18426), (618, 18534), (638, 18573), (698, 18714), (742, 18810), (746, 18831), (760, 18864), (773, 18897), (774, 18900), (807, 18984), (819, 19029), (820, 19032), (854, 19146), (864, 19179), (888, 19251), (902, 19287), (919, 19359), (935, 19437), (944, 19491), (949, 19515), (976, 19626),

Gene: EtoileNova_26 Start: 16047, Stop: 19085, Start Num: 33

Candidate Starts for EtoileNova_26:

(Start: 33 @16047 has 33 MA's), (73, 16221), (81, 16233), (92, 16266), (174, 16473), (181, 16494), (218, 16593), (220, 16596), (299, 16806), (309, 16827), (321, 16860), (337, 16923), (341, 16935), (349, 16968), (353, 16986), (357, 17007), (367, 17055), (369, 17061), (373, 17076), (376, 17085), (378, 17097), (380, 17106), (397, 17199), (425, 17316), (426, 17319), (430, 17346), (432, 17358), (447, 17412), (453, 17433), (468, 17499), (475, 17538), (520, 17679), (538, 17724), (581, 17814), (582, 17823), (593, 17853), (613, 17910), (618, 17925), (644, 17952), (648, 17955), (657, 17973), (702, 18084), (743, 18165), (763, 18222), (776, 18264), (808, 18360), (812, 18381), (817, 18405), (828, 18450), (836, 18468), (852, 18516), (855, 18528), (877, 18570), (880, 18582), (893, 18630), (936, 18801), (946, 18861), (948, 18873), (955, 18900), (958, 18921), (980, 19017), (986, 19065),

Gene: Euphoria_24 Start: 16340, Stop: 18808, Start Num: 167

Candidate Starts for Euphoria_24:

(Start: 167 @16340 has 215 MA's), (174, 16355), (Start: 223 @16469 has 23 MA's), (229, 16490), (233, 16511), (273, 16541), (280, 16565), (303, 16631), (356, 16829), (362, 16862), (378, 16928), (440, 17183), (453, 17204), (460, 17231), (549, 17390), (575, 17426), (610, 17519), (617, 17540), (623, 17555), (630, 17576), (632, 17579), (659, 17648), (672, 17684), (687, 17717), (703, 17753), (718, 17783), (732, 17819), (757, 17885), (765, 17906), (808, 18047), (848, 18188), (857, 18209), (901, 18344), (937, 18521), (958, 18632), (970, 18698), (975, 18719), (982, 18758), (984, 18773),

Gene: Eurydice_25 Start: 15882, Stop: 18482, Start Num: 165

Candidate Starts for Eurydice_25:

(Start: 165 @15882 has 118 MA's), (Start: 223 @16023 has 23 MA's), (Start: 228 @16041 has 10 MA's), (278, 16248), (291, 16287), (298, 16317), (333, 16434), (341, 16461), (356, 16524), (369, 16587), (380, 16632), (387, 16674), (405, 16758), (471, 16965), (506, 17025), (533, 17076), (566, 17121), (595, 17199), (610, 17232), (612, 17238), (686, 17406), (695, 17427), (704, 17451), (730, 17511), (731, 17517), (732, 17520), (749, 17571), (765, 17619), (785, 17685), (828, 17850), (836, 17868), (882, 17994), (943, 18246), (944, 18249), (946, 18258), (958, 18318), (980, 18414), (986, 18462),

Gene: EvilGenius_28 Start: 17032, Stop: 19575, Start Num: 120

Candidate Starts for EvilGenius_28:

(Start: 120 @17032 has 91 MA's), (200, 17209), (203, 17212), (205, 17215), (287, 17380), (292, 17389), (296, 17410), (299, 17419), (309, 17440), (321, 17473), (328, 17506), (341, 17548), (353, 17599), (356, 17611), (362, 17644), (363, 17647), (366, 17665), (376, 17698), (378, 17710), (380,

17719), (383, 17740), (384, 17743), (425, 17929), (432, 17971), (435, 17980), (438, 17989), (453, 18046), (468, 18112), (475, 18151), (501, 18244), (515, 18280), (538, 18337), (577, 18403), (582, 18436), (587, 18451), (590, 18457), (593, 18466), (597, 18481), (605, 18502), (613, 18523), (623, 18544), (624, 18547), (644, 18565), (648, 18568), (662, 18607), (666, 18619), (694, 18676), (701, 18694), (712, 18718), (743, 18778), (753, 18805), (774, 18868), (827, 19051), (879, 19132), (881, 19141), (887, 19150), (928, 19261), (935, 19291), (949, 19375),

Gene: Expelliarmus_21 Start: 14514, Stop: 17591, Start Num: 14

Candidate Starts for Expelliarmus_21:

(Start: 14 @14514 has 12 MA's), (22, 14598), (48, 14766), (50, 14790), (76, 14838), (113, 14958), (138, 15030), (191, 15180), (192, 15183), (198, 15189), (291, 15375), (310, 15435), (312, 15441), (331, 15507), (339, 15534), (342, 15549), (355, 15600), (356, 15603), (362, 15636), (369, 15669), (408, 15837), (464, 16020), (473, 16044), (495, 16092), (506, 16113), (507, 16116), (572, 16260), (587, 16317), (601, 16347), (616, 16386), (653, 16458), (662, 16488), (712, 16587), (725, 16617), (742, 16662), (808, 16860), (812, 16881), (815, 16893), (852, 17001), (872, 17064), (880, 17088), (889, 17118), (902, 17151), (912, 17184), (925, 17244), (930, 17271), (949, 17370), (950, 17376), (967, 17466), (976, 17487), (982, 17526), (991, 17574),

Gene: ExplosioNervosa_27 Start: 17623, Stop: 20532, Start Num: 51

Candidate Starts for ExplosioNervosa_27:

(Start: 51 @17623 has 33 MA's), (54, 17635), (70, 17695), (127, 17854), (153, 17917), (182, 17980), (194, 18022), (220, 18079), (233, 18118), (301, 18289), (305, 18295), (310, 18310), (336, 18400), (337, 18403), (341, 18415), (352, 18457), (362, 18511), (380, 18586), (383, 18607), (384, 18610), (387, 18628), (399, 18691), (419, 18757), (425, 18796), (429, 18823), (432, 18838), (440, 18868), (447, 18892), (450, 18904), (453, 18913), (468, 18979), (475, 19018), (493, 19084), (501, 19111), (508, 19138), (569, 19249), (590, 19324), (605, 19369), (613, 19390), (623, 19411), (624, 19414), (644, 19432), (648, 19435), (659, 19462), (667, 19489), (694, 19543), (774, 19735), (778, 19750), (788, 19780), (805, 19831), (827, 19918), (830, 19927), (846, 19978), (877, 20041), (882, 20062), (893, 20098), (908, 20134), (909, 20140), (927, 20218), (934, 20245), (944, 20305), (958, 20374), (962, 20404), (968, 20431), (981, 20470), (987, 20512),

Gene: Eyeball_24 Start: 16155, Stop: 18635, Start Num: 167

Candidate Starts for Eyeball_24:

(Start: 167 @16155 has 215 MA's), (181, 16194), (211, 16257), (Start: 223 @16287 has 23 MA's), (233, 16329), (327, 16536), (333, 16554), (356, 16644), (369, 16707), (376, 16731), (378, 16743), (387, 16794), (537, 17178), (592, 17280), (606, 17319), (614, 17346), (623, 17370), (672, 17499), (718, 17598), (757, 17700), (765, 17721), (770, 17733), (777, 17763), (808, 17862), (823, 17925), (852, 18015), (892, 18144), (903, 18177), (958, 18459), (975, 18546), (982, 18585), (984, 18600),

Gene: Fajezeel_26 Start: 16674, Stop: 19145, Start Num: 167

Candidate Starts for Fajezeel_26:

(Start: 167 @16674 has 215 MA's), (181, 16713), (211, 16776), (Start: 223 @16806 has 23 MA's), (229, 16827), (233, 16848), (236, 16860), (273, 16878), (280, 16902), (324, 17040), (333, 17076), (356, 17166), (362, 17199), (378, 17265), (440, 17520), (453, 17541), (460, 17568), (462, 17583), (498, 17664), (549, 17727), (575, 17763), (610, 17856), (617, 17877), (623, 17892), (630, 17913), (632, 17916), (659, 17985), (672, 18021), (687, 18054), (703, 18090), (718, 18120), (732, 18156), (757, 18222), (765, 18243), (808, 18384), (848, 18525), (857, 18546), (901, 18681), (937, 18858), (958, 18969), (970, 19035), (975, 19056), (982, 19095), (984, 19110),

Gene: Fameo_26 Start: 16665, Stop: 19202, Start Num: 120

Candidate Starts for Fameo_26:

(Start: 120 @16665 has 91 MA's), (200, 16842), (203, 16845), (205, 16848), (289, 17010), (292, 17016), (296, 17037), (299, 17046), (309, 17067), (321, 17100), (328, 17133), (353, 17226), (363,

17274), (366, 17292), (376, 17325), (378, 17337), (379, 17340), (380, 17346), (383, 17367), (384, 17370), (425, 17556), (432, 17598), (435, 17607), (450, 17664), (453, 17673), (468, 17739), (475, 17778), (501, 17871), (505, 17889), (538, 17964), (582, 18063), (587, 18078), (590, 18084), (593, 18093), (597, 18108), (605, 18129), (613, 18150), (624, 18174), (648, 18195), (651, 18201), (662, 18234), (666, 18246), (670, 18255), (712, 18345), (743, 18405), (753, 18432), (774, 18495), (788, 18540), (827, 18678), (881, 18768), (887, 18777), (928, 18888), (935, 18918), (949, 19002),

Gene: Farber_27 Start: 15972, Stop: 18998, Start Num: 35

Candidate Starts for Farber_27:

(29, 15918), (Start: 35 @15972 has 84 MA's), (57, 16086), (79, 16152), (81, 16155), (85, 16164), (97, 16200), (113, 16251), (141, 16323), (174, 16395), (218, 16515), (220, 16518), (243, 16587), (260, 16632), (299, 16725), (305, 16734), (311, 16752), (321, 16779), (337, 16842), (341, 16854), (349, 16887), (353, 16905), (366, 16971), (367, 16974), (369, 16980), (373, 16995), (376, 17004), (378, 17016), (380, 17025), (397, 17118), (425, 17235), (426, 17238), (430, 17265), (432, 17277), (447, 17331), (453, 17352), (468, 17418), (472, 17445), (501, 17550), (520, 17598), (538, 17643), (570, 17691), (581, 17733), (582, 17742), (593, 17772), (594, 17775), (597, 17787), (618, 17844), (623, 17850), (644, 17871), (648, 17874), (706, 18012), (712, 18024), (743, 18084), (765, 18144), (774, 18174), (775, 18177), (777, 18186), (808, 18279), (828, 18369), (852, 18435), (855, 18447), (877, 18489), (894, 18552), (914, 18609), (927, 18678), (936, 18714), (950, 18795), (980, 18930),

Gene: Fascinus_23 Start: 16097, Stop: 18676, Start Num: 167

Candidate Starts for Fascinus_23:

(Start: 167 @16097 has 215 MA's), (181, 16136), (211, 16199), (Start: 223 @16229 has 23 MA's), (318, 16448), (328, 16484), (369, 16652), (380, 16697), (384, 16721), (387, 16739), (482, 17051), (559, 17207), (588, 17309), (599, 17342), (624, 17414), (642, 17453), (672, 17540), (718, 17639), (757, 17741), (765, 17762), (770, 17774), (777, 17804), (808, 17903), (823, 17966), (852, 18056), (892, 18185), (903, 18218), (958, 18500), (975, 18587), (982, 18626), (984, 18641),

Gene: FatCactus_24 Start: 14668, Stop: 17589, Start Num: 14

Candidate Starts for FatCactus_24:

(Start: 14 @14668 has 12 MA's), (Start: 16 @14707 has 1 MA's), (38, 14866), (46, 14911), (66, 14956), (74, 14977), (84, 15004), (99, 15049), (108, 15088), (110, 15097), (118, 15118), (154, 15220), (201, 15313), (216, 15346), (232, 15400), (280, 15445), (316, 15535), (325, 15562), (337, 15610), (339, 15616), (356, 15685), (363, 15721), (369, 15751), (376, 15775), (395, 15874), (399, 15895), (411, 15925), (483, 16138), (484, 16141), (507, 16189), (550, 16258), (587, 16381), (610, 16435), (614, 16447), (653, 16528), (668, 16570), (731, 16708), (763, 16762), (815, 16930), (841, 17014), (852, 17038), (856, 17053), (857, 17059), (872, 17101), (948, 17386), (949, 17389), (958, 17434), (966, 17479), (980, 17518), (986, 17566),

Gene: Fayely_27 Start: 17623, Stop: 20532, Start Num: 51

Candidate Starts for Fayely_27:

(Start: 51 @17623 has 33 MA's), (54, 17635), (70, 17695), (127, 17854), (153, 17917), (182, 17980), (194, 18022), (220, 18079), (301, 18289), (305, 18295), (310, 18310), (336, 18400), (337, 18403), (341, 18415), (352, 18457), (362, 18511), (380, 18586), (383, 18607), (384, 18610), (387, 18628), (399, 18691), (419, 18757), (425, 18796), (429, 18823), (432, 18838), (440, 18868), (447, 18892), (450, 18904), (453, 18913), (468, 18979), (475, 19018), (493, 19084), (501, 19111), (508, 19138), (538, 19204), (569, 19249), (590, 19324), (605, 19369), (613, 19390), (623, 19411), (624, 19414), (644, 19432), (648, 19435), (659, 19462), (694, 19543), (712, 19585), (774, 19735), (778, 19750), (788, 19780), (805, 19831), (827, 19918), (830, 19927), (846, 19978), (877, 20041), (882, 20062), (893, 20098), (908, 20134), (909, 20140), (927, 20218), (934, 20245), (944, 20305), (958, 20374), (962, 20404), (968, 20431), (981, 20470), (987, 20512),

Gene: Fenn_25 Start: 17895, Stop: 20510, Start Num: 167

Candidate Starts for Fenn_25:

(Start: 167 @17895 has 215 MA's), (181, 17934), (211, 17997), (213, 18003), (Start: 223 @18027 has 23 MA's), (286, 18135), (341, 18306), (355, 18366), (356, 18369), (381, 18492), (387, 18522), (400, 18585), (463, 18804), (487, 18876), (512, 18924), (530, 18969), (609, 19194), (610, 19203), (623, 19239), (642, 19281), (719, 19485), (762, 19599), (765, 19608), (772, 19629), (777, 19650), (808, 19749), (819, 19791), (820, 19794), (860, 19923), (888, 20007), (904, 20052), (958, 20334), (970, 20400), (975, 20421), (982, 20460), (984, 20475),

Gene: Fernando_27 Start: 15978, Stop: 19004, Start Num: 35

Candidate Starts for Fernando_27:

(29, 15924), (Start: 35 @15978 has 84 MA's), (57, 16092), (79, 16158), (81, 16161), (85, 16170), (97, 16206), (113, 16257), (141, 16329), (174, 16401), (218, 16521), (220, 16524), (243, 16593), (260, 16638), (299, 16731), (305, 16740), (311, 16758), (321, 16785), (337, 16848), (341, 16860), (349, 16893), (353, 16911), (366, 16977), (367, 16980), (369, 16986), (373, 17001), (376, 17010), (378, 17022), (380, 17031), (393, 17109), (397, 17124), (425, 17241), (426, 17244), (430, 17271), (432, 17283), (447, 17337), (453, 17358), (468, 17424), (475, 17463), (501, 17556), (520, 17604), (538, 17649), (570, 17697), (581, 17739), (582, 17748), (593, 17778), (594, 17781), (597, 17793), (618, 17850), (623, 17856), (644, 17877), (648, 17880), (706, 18018), (712, 18030), (743, 18090), (763, 18147), (808, 18285), (812, 18306), (817, 18330), (828, 18375), (836, 18393), (852, 18441), (855, 18453), (877, 18495), (894, 18558), (914, 18615), (927, 18684), (936, 18720), (950, 18801), (980, 18936),

Gene: Fibonacci_26 Start: 17160, Stop: 19706, Start Num: 125

Candidate Starts for Fibonacci_26:

(Start: 125 @17160 has 22 MA's), (Start: 131 @17178 has 2 MA's), (Start: 188 @17352 has 18 MA's), (192, 17361), (233, 17436), (308, 17544), (313, 17559), (314, 17562), (321, 17580), (337, 17643), (341, 17655), (356, 17718), (369, 17781), (373, 17796), (376, 17805), (380, 17826), (384, 17850), (387, 17865), (408, 17952), (410, 17955), (416, 17970), (422, 17991), (424, 18003), (440, 18069), (458, 18111), (462, 18132), (464, 18141), (473, 18165), (503, 18246), (506, 18255), (510, 18267), (522, 18309), (562, 18366), (580, 18420), (618, 18528), (638, 18567), (698, 18708), (742, 18804), (746, 18825), (760, 18858), (773, 18891), (774, 18894), (807, 18978), (819, 19023), (820, 19026), (854, 19140), (864, 19173), (888, 19245), (902, 19281), (919, 19353), (935, 19431), (944, 19485), (949, 19509), (976, 19620),

Gene: FiringLine_26 Start: 16547, Stop: 19084, Start Num: 120

Candidate Starts for FiringLine_26:

(Start: 120 @16547 has 91 MA's), (200, 16724), (203, 16727), (205, 16730), (216, 16760), (292, 16898), (296, 16919), (299, 16928), (309, 16949), (321, 16982), (336, 17042), (341, 17057), (353, 17108), (363, 17156), (366, 17174), (376, 17207), (378, 17219), (379, 17222), (380, 17228), (383, 17249), (384, 17252), (401, 17339), (425, 17438), (432, 17480), (435, 17489), (438, 17498), (450, 17546), (453, 17555), (468, 17621), (475, 17660), (538, 17846), (546, 17861), (570, 17894), (582, 17945), (590, 17966), (595, 17981), (597, 17990), (602, 18005), (644, 18074), (712, 18227), (723, 18248), (774, 18377), (788, 18422), (792, 18434), (803, 18470), (881, 18650), (887, 18659), (928, 18770), (935, 18800), (949, 18884),

Gene: First_0026 Start: 16642, Stop: 19185, Start Num: 120

Candidate Starts for First_0026:

(43, 16390), (Start: 120 @16642 has 91 MA's), (203, 16822), (205, 16825), (216, 16855), (287, 16990), (292, 16999), (296, 17020), (299, 17029), (309, 17050), (321, 17083), (328, 17116), (353, 17209), (363, 17257), (366, 17275), (371, 17287), (376, 17308), (380, 17329), (383, 17350), (384, 17353), (425, 17539), (432, 17581), (435, 17590), (438, 17599), (453, 17656), (468, 17722), (475, 17761), (498, 17848), (538, 17947), (590, 18067), (593, 18076), (595, 18082), (597, 18091), (605, 18112), (614, 18136), (624, 18157), (648, 18178), (652, 18187), (662, 18217), (666, 18229), (673, 18244),

(694, 18286), (740, 18379), (743, 18388), (753, 18415), (774, 18478), (881, 18751), (887, 18760), (928, 18871), (935, 18901), (949, 18985),

Gene: Flare16_26 Start: 16673, Stop: 19180, Start Num: 120

Candidate Starts for Flare16_26:

(Start: 120 @16673 has 91 MA's), (175, 16784), (195, 16841), (287, 16997), (296, 17027), (321, 17090), (328, 17123), (330, 17129), (373, 17309), (376, 17318), (380, 17339), (383, 17360), (384, 17363), (387, 17381), (398, 17441), (425, 17549), (432, 17591), (447, 17645), (453, 17666), (467, 17729), (468, 17732), (470, 17750), (475, 17771), (538, 17957), (546, 17972), (568, 17999), (582, 18056), (587, 18071), (590, 18077), (593, 18086), (595, 18092), (605, 18122), (613, 18143), (648, 18188), (651, 18194), (662, 18227), (673, 18254), (706, 18326), (712, 18338), (743, 18398), (753, 18425), (774, 18488), (788, 18533), (803, 18581), (815, 18617), (822, 18650), (864, 18713), (877, 18737), (930, 18881), (949, 18980), (964, 19067), (989, 19166),

Gene: Flaverint_26 Start: 17157, Stop: 19703, Start Num: 125

Candidate Starts for Flaverint_26:

(Start: 125 @17157 has 22 MA's), (Start: 131 @17175 has 2 MA's), (Start: 188 @17349 has 18 MA's), (192, 17358), (233, 17433), (291, 17487), (308, 17541), (313, 17556), (314, 17559), (321, 17577), (337, 17640), (341, 17652), (356, 17715), (369, 17778), (373, 17793), (376, 17802), (380, 17823), (384, 17847), (387, 17862), (408, 17949), (410, 17952), (416, 17967), (422, 17988), (424, 18000), (440, 18066), (464, 18138), (473, 18162), (503, 18243), (506, 18252), (510, 18264), (522, 18306), (562, 18363), (580, 18417), (618, 18525), (638, 18564), (698, 18705), (742, 18801), (746, 18822), (760, 18855), (773, 18888), (774, 18891), (807, 18975), (819, 19020), (820, 19023), (854, 19137), (864, 19170), (888, 19242), (902, 19278), (919, 19350), (935, 19428), (944, 19482), (949, 19506), (976, 19617),

Gene: Florean_25 Start: 15882, Stop: 18482, Start Num: 165

Candidate Starts for Florean_25:

(Start: 165 @15882 has 118 MA's), (Start: 223 @16023 has 23 MA's), (Start: 228 @16041 has 10 MA's), (278, 16248), (291, 16287), (298, 16317), (333, 16434), (341, 16461), (356, 16524), (369, 16587), (380, 16632), (387, 16674), (405, 16758), (506, 17025), (533, 17076), (566, 17121), (595, 17199), (612, 17238), (619, 17259), (686, 17406), (695, 17427), (704, 17451), (730, 17511), (731, 17517), (732, 17520), (749, 17571), (765, 17619), (785, 17685), (828, 17850), (836, 17868), (882, 17994), (943, 18246), (944, 18249), (946, 18258), (958, 18318), (980, 18414), (986, 18462),

Gene: Florence1_22 Start: 15032, Stop: 18370, Start Num: 1

Candidate Starts for Florence1_22:

(Start: 1 @15032 has 39 MA's), (32, 15470), (Start: 129 @15782 has 2 MA's), (152, 15860), (Start: 161 @15890 has 8 MA's), (184, 15947), (221, 16031), (236, 16094), (240, 16100), (290, 16160), (336, 16310), (337, 16313), (356, 16388), (365, 16433), (369, 16451), (380, 16496), (383, 16517), (484, 16847), (507, 16895), (554, 16973), (595, 17099), (598, 17111), (608, 17135), (634, 17198), (722, 17390), (731, 17420), (742, 17444), (745, 17456), (768, 17519), (808, 17642), (812, 17663), (819, 17684), (843, 17762), (852, 17783), (864, 17825), (872, 17846), (902, 17933), (911, 17963), (925, 18026), (928, 18044), (943, 18125), (946, 18137), (948, 18149), (950, 18158), (961, 18212), (979, 18296), (983, 18335),

Gene: Florence4_23 Start: 15032, Stop: 18370, Start Num: 1

Candidate Starts for Florence4_23:

(Start: 1 @15032 has 39 MA's), (32, 15470), (Start: 129 @15782 has 2 MA's), (152, 15860), (Start: 161 @15890 has 8 MA's), (184, 15947), (221, 16031), (236, 16094), (240, 16100), (290, 16160), (336, 16310), (337, 16313), (356, 16388), (365, 16433), (369, 16451), (380, 16496), (383, 16517), (484, 16847), (507, 16895), (554, 16973), (595, 17099), (598, 17111), (608, 17135), (634, 17198), (722, 17390), (731, 17420), (742, 17444), (745, 17456), (768, 17519), (808, 17642), (812, 17663), (819,

17684), (843, 17762), (852, 17783), (864, 17825), (872, 17846), (902, 17933), (911, 17963), (925, 18026), (928, 18044), (943, 18125), (946, 18137), (948, 18149), (950, 18158), (961, 18212), (979, 18296), (983, 18335),

Gene: Flux_25 Start: 16026, Stop: 18485, Start Num: 223

Candidate Starts for Flux_25:

(Start: 165 @15885 has 118 MA's), (Start: 223 @16026 has 23 MA's), (Start: 228 @16044 has 10 MA's), (278, 16251), (291, 16290), (298, 16320), (333, 16437), (341, 16464), (356, 16527), (369, 16590), (380, 16635), (387, 16677), (405, 16761), (506, 17028), (533, 17079), (566, 17124), (595, 17202), (612, 17241), (619, 17262), (686, 17409), (695, 17430), (704, 17454), (730, 17514), (731, 17520), (732, 17523), (749, 17574), (765, 17622), (785, 17688), (828, 17853), (836, 17871), (882, 17997), (943, 18249), (944, 18252), (946, 18261), (958, 18321), (980, 18417), (986, 18465),

Gene: FlyCatcher_29 Start: 17560, Stop: 20943, Start Num: 36

Candidate Starts for FlyCatcher_29:

(Start: 36 @17560 has 4 MA's), (135, 17947), (151, 18004), (189, 18136), (193, 18148), (218, 18199), (254, 18346), (307, 18529), (309, 18535), (321, 18568), (324, 18580), (348, 18673), (353, 18694), (356, 18706), (388, 18862), (392, 18886), (407, 18949), (425, 19024), (432, 19066), (447, 19120), (453, 19141), (466, 19198), (467, 19204), (468, 19207), (485, 19291), (491, 19306), (498, 19333), (501, 19339), (538, 19432), (545, 19444), (546, 19447), (605, 19597), (611, 19612), (617, 19630), (628, 19654), (635, 19672), (637, 19675), (679, 19786), (706, 19849), (708, 19852), (727, 19909), (729, 19915), (745, 19963), (753, 19993), (777, 20071), (780, 20083), (782, 20092), (790, 20113), (812, 20191), (828, 20260), (836, 20278), (849, 20329), (858, 20365), (862, 20377), (874, 20410), (882, 20440), (888, 20461), (904, 20512), (911, 20545), (928, 20626), (936, 20659), (940, 20689), (948, 20731), (954, 20755), (964, 20821), (968, 20836), (969, 20842), (982, 20893),

Gene: ForGetIt_22 Start: 15094, Stop: 18435, Start Num: 1

Candidate Starts for ForGetIt_22:

(Start: 1 @15094 has 39 MA's), (32, 15532), (Start: 129 @15844 has 2 MA's), (152, 15922), (Start: 161 @15952 has 8 MA's), (184, 16009), (236, 16156), (240, 16162), (243, 16168), (312, 16294), (316, 16306), (356, 16456), (363, 16492), (369, 16522), (373, 16537), (380, 16567), (381, 16579), (386, 16603), (399, 16672), (423, 16738), (473, 16894), (506, 16963), (507, 16966), (524, 16993), (541, 17017), (589, 17155), (598, 17176), (614, 17221), (634, 17263), (722, 17455), (731, 17485), (742, 17509), (745, 17521), (751, 17542), (768, 17584), (794, 17671), (808, 17707), (812, 17728), (819, 17749), (843, 17827), (852, 17848), (857, 17869), (864, 17890), (872, 17911), (880, 17935), (902, 17998), (925, 18091), (928, 18109), (943, 18190), (946, 18202), (948, 18214), (950, 18223), (961, 18277), (979, 18361), (980, 18370),

Gene: ForesterFrank_27 Start: 18137, Stop: 20641, Start Num: 120

Candidate Starts for ForesterFrank_27:

(Start: 120 @18137 has 91 MA's), (175, 18248), (181, 18266), (195, 18305), (Start: 208 @18326 has 1 MA's), (216, 18350), (296, 18479), (299, 18488), (305, 18497), (341, 18617), (353, 18668), (367, 18737), (369, 18743), (373, 18758), (376, 18767), (378, 18779), (380, 18788), (425, 18998), (429, 19025), (432, 19040), (447, 19094), (453, 19115), (468, 19181), (475, 19220), (492, 19283), (538, 19406), (546, 19421), (568, 19448), (570, 19454), (582, 19505), (587, 19520), (590, 19526), (593, 19535), (597, 19550), (605, 19571), (613, 19592), (644, 19634), (654, 19649), (667, 19691), (694, 19745), (706, 19775), (712, 19787), (753, 19874), (774, 19937), (788, 19982), (792, 19994), (842, 20144), (879, 20201), (881, 20210), (887, 20219), (928, 20330), (935, 20360), (949, 20441),

Gene: Forsytheast_23 Start: 16363, Stop: 18834, Start Num: 167

Candidate Starts for Forsytheast_23:

(Start: 167 @16363 has 215 MA's), (181, 16402), (211, 16465), (Start: 223 @16495 has 23 MA's), (229, 16516), (233, 16537), (236, 16549), (273, 16567), (303, 16657), (356, 16855), (362, 16888),

(378, 16954), (440, 17209), (453, 17230), (460, 17257), (549, 17416), (575, 17452), (610, 17545), (617, 17566), (642, 17623), (687, 17743), (703, 17779), (718, 17809), (732, 17845), (757, 17911), (765, 17932), (808, 18073), (848, 18214), (857, 18235), (923, 18466), (937, 18547), (958, 18658), (965, 18700), (975, 18745), (982, 18784), (984, 18799),

Gene: Francis47_24 Start: 16902, Stop: 19382, Start Num: 167

Candidate Starts for Francis47_24:

(Start: 167 @16902 has 215 MA's), (181, 16941), (211, 17004), (Start: 223 @17034 has 23 MA's), (233, 17076), (327, 17283), (333, 17301), (356, 17391), (369, 17454), (376, 17478), (378, 17490), (387, 17541), (537, 17925), (592, 18027), (606, 18066), (614, 18093), (623, 18117), (718, 18345), (757, 18447), (765, 18468), (770, 18480), (777, 18510), (808, 18609), (823, 18672), (892, 18891), (903, 18924), (958, 19206), (975, 19293), (982, 19332), (986, 19362),

Gene: Fred313_25 Start: 15240, Stop: 18278, Start Num: 33

Candidate Starts for Fred313_25:

(Start: 33 @15240 has 33 MA's), (73, 15414), (81, 15426), (92, 15459), (174, 15669), (220, 15792), (226, 15813), (299, 15999), (309, 16020), (321, 16053), (337, 16116), (341, 16128), (349, 16161), (353, 16179), (367, 16248), (369, 16254), (373, 16269), (376, 16278), (378, 16290), (380, 16299), (397, 16392), (425, 16509), (426, 16512), (430, 16539), (432, 16551), (447, 16605), (453, 16626), (458, 16647), (468, 16692), (475, 16731), (501, 16824), (520, 16872), (538, 16917), (546, 16932), (581, 17007), (582, 17016), (586, 17028), (593, 17046), (597, 17061), (618, 17118), (644, 17145), (648, 17148), (658, 17169), (712, 17298), (723, 17319), (743, 17358), (759, 17397), (765, 17418), (774, 17448), (775, 17451), (777, 17460), (784, 17484), (808, 17553), (812, 17574), (828, 17643), (836, 17661), (852, 17709), (855, 17721), (877, 17763), (880, 17775), (893, 17823), (936, 17994), (940, 18024), (946, 18054), (950, 18075), (980, 18210), (981, 18222), (986, 18258),

Gene: Froghopper_25 Start: 16326, Stop: 18797, Start Num: 167

Candidate Starts for Froghopper_25:

(Start: 167 @16326 has 215 MA's), (181, 16365), (211, 16428), (Start: 223 @16458 has 23 MA's), (229, 16479), (233, 16500), (236, 16512), (273, 16530), (288, 16575), (303, 16620), (356, 16818), (362, 16851), (378, 16917), (440, 17172), (453, 17193), (460, 17220), (549, 17379), (575, 17415), (610, 17508), (617, 17529), (642, 17586), (687, 17706), (703, 17742), (718, 17772), (732, 17808), (757, 17874), (765, 17895), (797, 18012), (808, 18036), (848, 18177), (857, 18198), (923, 18429), (937, 18510), (958, 18621), (970, 18687), (975, 18708), (982, 18747), (984, 18762),

Gene: Funston_25 Start: 15885, Stop: 18485, Start Num: 165

Candidate Starts for Funston_25:

(Start: 165 @15885 has 118 MA's), (Start: 223 @16026 has 23 MA's), (Start: 228 @16044 has 10 MA's), (278, 16251), (291, 16290), (298, 16320), (333, 16437), (341, 16464), (356, 16527), (369, 16590), (380, 16635), (387, 16677), (405, 16761), (506, 17028), (533, 17079), (566, 17124), (595, 17202), (612, 17241), (619, 17262), (686, 17409), (695, 17430), (704, 17454), (731, 17520), (749, 17574), (765, 17622), (785, 17688), (828, 17853), (836, 17871), (882, 17997), (943, 18249), (944, 18252), (946, 18261), (958, 18321), (980, 18417), (986, 18465),

Gene: Fushigi_25 Start: 16774, Stop: 19254, Start Num: 167

Candidate Starts for Fushigi_25:

(Start: 167 @16774 has 215 MA's), (181, 16813), (211, 16876), (Start: 223 @16906 has 23 MA's), (233, 16948), (327, 17155), (333, 17173), (356, 17263), (369, 17326), (376, 17350), (378, 17362), (387, 17413), (537, 17797), (592, 17899), (606, 17938), (610, 17953), (614, 17965), (623, 17989), (672, 18118), (718, 18217), (757, 18319), (765, 18340), (770, 18352), (777, 18382), (808, 18481), (823, 18544), (892, 18763), (903, 18796), (958, 19078), (970, 19144), (975, 19165), (982, 19204), (986, 19234),

Gene: GMonster_23 Start: 16194, Stop: 18194, Start Num: 167

Candidate Starts for GMonster_23:

(Start: 167 @16194 has 215 MA's), (181, 16233), (211, 16296), (Start: 223 @16326 has 23 MA's), (229, 16347), (277, 16407), (307, 16503), (319, 16542), (327, 16572), (331, 16584), (356, 16680), (362, 16713), (419, 16947), (500, 17172), (575, 17235), (627, 17337), (630, 17349), (665, 17427), (685, 17469), (713, 17523), (718, 17535), (726, 17550), (731, 17568), (736, 17580), (770, 17658), (777, 17688), (790, 17733), (808, 17784), (870, 17994), (918, 18144),

Gene: Gachnar_24 Start: 16385, Stop: 18856, Start Num: 167

Candidate Starts for Gachnar_24:

(Start: 167 @16385 has 215 MA's), (181, 16424), (211, 16487), (Start: 223 @16517 has 23 MA's), (229, 16538), (233, 16559), (236, 16571), (273, 16589), (303, 16679), (356, 16877), (362, 16910), (378, 16976), (440, 17231), (453, 17252), (460, 17279), (549, 17438), (575, 17474), (610, 17567), (617, 17588), (642, 17645), (687, 17765), (703, 17801), (718, 17831), (732, 17867), (757, 17933), (765, 17954), (808, 18095), (848, 18236), (857, 18257), (901, 18392), (937, 18569), (958, 18680), (975, 18767), (982, 18806), (984, 18821),

Gene: Gadost_25 Start: 16030, Stop: 18489, Start Num: 223

Candidate Starts for Gadost_25:

(Start: 165 @15889 has 118 MA's), (Start: 223 @16030 has 23 MA's), (Start: 228 @16048 has 10 MA's), (278, 16255), (291, 16294), (298, 16324), (333, 16441), (341, 16468), (356, 16531), (369, 16594), (380, 16639), (387, 16681), (405, 16765), (506, 17032), (533, 17083), (566, 17128), (595, 17206), (610, 17239), (612, 17245), (619, 17266), (686, 17413), (695, 17434), (704, 17458), (731, 17524), (749, 17578), (765, 17626), (785, 17692), (828, 17857), (836, 17875), (882, 18001), (943, 18253), (944, 18256), (946, 18265), (958, 18325), (980, 18421), (986, 18469),

Gene: GageAP_26 Start: 17075, Stop: 19546, Start Num: 167

Candidate Starts for GageAP_26:

(Start: 167 @17075 has 215 MA's), (181, 17114), (211, 17177), (213, 17183), (Start: 223 @17207 has 23 MA's), (229, 17228), (233, 17249), (273, 17279), (280, 17303), (303, 17369), (356, 17567), (362, 17600), (378, 17666), (440, 17921), (453, 17942), (460, 17969), (549, 18128), (575, 18164), (610, 18257), (617, 18278), (623, 18293), (630, 18314), (632, 18317), (659, 18386), (672, 18422), (687, 18455), (703, 18491), (718, 18521), (732, 18557), (757, 18623), (765, 18644), (808, 18785), (848, 18926), (857, 18947), (901, 19082), (937, 19259), (958, 19370), (965, 19412), (975, 19457), (982, 19496), (984, 19511),

Gene: Gail_25 Start: 15723, Stop: 18137, Start Num: 209

Candidate Starts for Gail_25:

(Start: 209 @15723 has 7 MA's), (Start: 215 @15741 has 5 MA's), (226, 15774), (255, 15876), (264, 15918), (275, 15960), (278, 15972), (315, 16086), (327, 16140), (341, 16185), (356, 16248), (362, 16281), (383, 16377), (399, 16461), (442, 16602), (502, 16746), (533, 16800), (539, 16815), (565, 16842), (568, 16854), (641, 17040), (705, 17196), (754, 17286), (772, 17337), (791, 17397), (798, 17430), (801, 17442), (812, 17475), (815, 17484), (863, 17616), (868, 17628), (878, 17652), (898, 17706), (926, 17823), (948, 17934), (962, 18009), (981, 18075), (986, 18111),

Gene: Gandalf20_25 Start: 17202, Stop: 19673, Start Num: 167

Candidate Starts for Gandalf20_25:

(Start: 167 @17202 has 215 MA's), (181, 17241), (211, 17304), (Start: 223 @17334 has 23 MA's), (229, 17355), (233, 17376), (236, 17388), (273, 17406), (280, 17430), (303, 17496), (356, 17694), (362, 17727), (378, 17793), (440, 18048), (453, 18069), (460, 18096), (549, 18255), (575, 18291), (610, 18384), (617, 18405), (642, 18462), (659, 18513), (672, 18549), (687, 18582), (703, 18618), (718, 18648), (732, 18684), (757, 18750), (765, 18771), (808, 18912), (848, 19053), (857, 19074), (901, 19209), (937, 19386), (958, 19497), (970, 19563), (975, 19584), (982, 19623), (984, 19638),

Gene: Garak_30 Start: 16733, Stop: 18937, Start Num: 128

Candidate Starts for Garak_30:

(69, 16574), (107, 16688), (Start: 128 @16733 has 47 MA's), (175, 16844), (233, 17000), (312, 17147), (316, 17159), (356, 17309), (362, 17342), (382, 17432), (395, 17501), (473, 17744), (577, 17882), (670, 18002), (773, 18155), (808, 18218), (819, 18260), (852, 18359), (857, 18380), (864, 18401), (872, 18422), (888, 18473), (892, 18485), (899, 18500), (919, 18581), (935, 18659),

Gene: GaugeLDP_28 Start: 17905, Stop: 20424, Start Num: 120

Candidate Starts for GaugeLDP_28:

(Start: 120 @17905 has 91 MA's), (175, 18016), (203, 18085), (205, 18088), (229, 18142), (296, 18259), (299, 18268), (305, 18277), (321, 18322), (323, 18331), (353, 18448), (364, 18505), (367, 18517), (369, 18523), (373, 18538), (378, 18559), (380, 18568), (425, 18778), (430, 18808), (432, 18820), (447, 18874), (453, 18895), (468, 18961), (472, 18988), (475, 19000), (520, 19141), (538, 19186), (546, 19201), (568, 19228), (569, 19231), (582, 19285), (595, 19321), (597, 19330), (605, 19351), (614, 19375), (618, 19387), (644, 19414), (648, 19417), (662, 19456), (666, 19468), (673, 19483), (743, 19627), (753, 19654), (763, 19684), (765, 19687), (774, 19717), (788, 19762), (792, 19774), (803, 19810), (822, 19879), (879, 19978), (881, 19987), (887, 19996), (928, 20107), (942, 20194), (949, 20224), (986, 20401),

Gene: Gemma_27 Start: 16053, Stop: 19079, Start Num: 35

Candidate Starts for Gemma_27:

(29, 15999), (Start: 35 @16053 has 84 MA's), (57, 16167), (79, 16233), (81, 16236), (85, 16245), (97, 16281), (113, 16332), (141, 16404), (174, 16476), (218, 16596), (220, 16599), (243, 16668), (260, 16713), (299, 16806), (305, 16815), (321, 16860), (330, 16899), (337, 16923), (341, 16935), (349, 16968), (353, 16986), (357, 17007), (367, 17055), (369, 17061), (373, 17076), (376, 17085), (378, 17097), (380, 17106), (397, 17199), (421, 17286), (425, 17316), (426, 17319), (430, 17346), (432, 17358), (447, 17412), (453, 17433), (461, 17463), (468, 17499), (498, 17625), (520, 17679), (538, 17724), (570, 17772), (581, 17814), (582, 17823), (593, 17853), (618, 17925), (623, 17931), (644, 17952), (648, 17955), (654, 17967), (702, 18084), (706, 18093), (743, 18165), (744, 18168), (759, 18204), (774, 18255), (775, 18258), (777, 18267), (828, 18450), (852, 18516), (855, 18528), (877, 18570), (894, 18633), (914, 18690), (927, 18759), (936, 18795), (950, 18876), (980, 19011), (981, 19023),

Gene: George_21 Start: 15244, Stop: 18582, Start Num: 1

Candidate Starts for George_21:

(Start: 1 @15244 has 39 MA's), (32, 15682), (Start: 129 @15994 has 2 MA's), (152, 16072), (Start: 161 @16102 has 8 MA's), (184, 16159), (221, 16243), (236, 16306), (240, 16312), (310, 16432), (336, 16522), (337, 16525), (356, 16600), (365, 16645), (369, 16663), (380, 16708), (383, 16729), (429, 16921), (484, 17059), (507, 17107), (554, 17185), (595, 17311), (598, 17323), (608, 17347), (634, 17410), (722, 17602), (731, 17632), (742, 17656), (745, 17668), (768, 17731), (808, 17854), (812, 17875), (819, 17896), (843, 17974), (852, 17995), (864, 18037), (872, 18058), (902, 18145), (911, 18175), (925, 18238), (928, 18256), (943, 18337), (946, 18349), (948, 18361), (950, 18370), (961, 18424), (983, 18547),

Gene: Georgie2_27 Start: 16538, Stop: 19075, Start Num: 120

Candidate Starts for Georgie2_27:

(Start: 120 @16538 has 91 MA's), (200, 16715), (203, 16718), (205, 16721), (216, 16751), (292, 16889), (296, 16910), (299, 16919), (309, 16940), (321, 16973), (336, 17033), (341, 17048), (353, 17099), (363, 17147), (366, 17165), (376, 17198), (378, 17210), (379, 17213), (380, 17219), (383, 17240), (384, 17243), (401, 17330), (425, 17429), (432, 17471), (435, 17480), (438, 17489), (450, 17537), (453, 17546), (468, 17612), (475, 17651), (538, 17837), (546, 17852), (570, 17885), (582, 17936), (590, 17957), (595, 17972), (597, 17981), (602, 17996), (644, 18065), (712, 18218), (723,

18239), (774, 18368), (788, 18413), (792, 18425), (803, 18461), (881, 18641), (887, 18650), (928, 18761), (935, 18791), (949, 18875),

Gene: Ghoulboy_22 Start: 15349, Stop: 18750, Start Num: 1

Candidate Starts for Ghoulboy_22:

(Start: 1 @15349 has 39 MA's), (4, 15409), (10, 15562), (13, 15601), (32, 15787), (86, 16015), (91, 16027), (95, 16039), (Start: 129 @16171 has 2 MA's), (152, 16249), (Start: 161 @16279 has 8 MA's), (184, 16336), (236, 16483), (240, 16489), (243, 16495), (312, 16621), (316, 16633), (356, 16783), (363, 16819), (369, 16849), (373, 16864), (380, 16894), (381, 16906), (386, 16930), (399, 16999), (423, 17065), (473, 17221), (506, 17290), (507, 17293), (524, 17320), (541, 17344), (589, 17482), (598, 17503), (614, 17536), (634, 17578), (722, 17770), (731, 17800), (742, 17824), (745, 17836), (751, 17857), (768, 17899), (794, 17986), (808, 18022), (812, 18043), (819, 18064), (843, 18142), (852, 18163), (857, 18184), (864, 18205), (872, 18226), (880, 18250), (902, 18313), (925, 18406), (928, 18424), (943, 18505), (946, 18517), (948, 18529), (950, 18538), (961, 18592), (979, 18676), (980, 18685),

Gene: Gilberta_26 Start: 17154, Stop: 19700, Start Num: 125

Candidate Starts for Gilberta_26:

(Start: 125 @17154 has 22 MA's), (Start: 131 @17172 has 2 MA's), (Start: 188 @17346 has 18 MA's), (192, 17355), (233, 17430), (291, 17484), (308, 17538), (313, 17553), (314, 17556), (321, 17574), (337, 17637), (341, 17649), (356, 17712), (369, 17775), (373, 17790), (376, 17799), (380, 17820), (384, 17844), (387, 17859), (408, 17946), (410, 17949), (416, 17964), (422, 17985), (424, 17997), (440, 18063), (464, 18135), (473, 18159), (503, 18240), (506, 18249), (510, 18261), (522, 18303), (562, 18360), (580, 18414), (618, 18522), (638, 18561), (698, 18702), (742, 18798), (746, 18819), (760, 18852), (773, 18885), (774, 18888), (807, 18972), (819, 19017), (820, 19020), (854, 19134), (864, 19167), (888, 19239), (902, 19275), (919, 19347), (935, 19425), (944, 19479), (949, 19503), (976, 19614),

Gene: GingkoMaracino_27 Start: 15865, Stop: 18891, Start Num: 35

Candidate Starts for GingkoMaracino_27:

(29, 15811), (Start: 35 @15865 has 84 MA's), (57, 15979), (79, 16045), (81, 16048), (85, 16057), (97, 16093), (113, 16144), (141, 16216), (174, 16288), (218, 16408), (220, 16411), (243, 16480), (260, 16525), (299, 16618), (305, 16627), (311, 16645), (321, 16672), (337, 16735), (341, 16747), (349, 16780), (353, 16798), (366, 16864), (367, 16867), (369, 16873), (373, 16888), (376, 16897), (378, 16909), (380, 16918), (393, 16996), (397, 17011), (425, 17128), (426, 17131), (430, 17158), (432, 17170), (447, 17224), (453, 17245), (468, 17311), (475, 17350), (501, 17443), (520, 17491), (538, 17536), (570, 17584), (581, 17626), (582, 17635), (593, 17665), (594, 17668), (597, 17680), (618, 17737), (623, 17743), (644, 17764), (648, 17767), (706, 17905), (712, 17917), (743, 17977), (763, 18034), (808, 18172), (812, 18193), (817, 18217), (828, 18262), (836, 18280), (852, 18328), (855, 18340), (877, 18382), (894, 18445), (914, 18502), (927, 18571), (936, 18607), (950, 18688), (980, 18823),

Gene: Giroux_26 Start: 15495, Stop: 18530, Start Num: 33

Candidate Starts for Giroux_26:

(Start: 33 @15495 has 33 MA's), (73, 15669), (81, 15681), (92, 15714), (174, 15924), (218, 16044), (220, 16047), (299, 16251), (309, 16272), (320, 16302), (321, 16305), (337, 16368), (341, 16380), (349, 16413), (353, 16431), (367, 16500), (369, 16506), (373, 16521), (376, 16530), (378, 16542), (380, 16551), (397, 16644), (425, 16761), (426, 16764), (429, 16788), (430, 16791), (432, 16803), (447, 16857), (453, 16878), (458, 16899), (468, 16944), (472, 16971), (475, 16983), (520, 17124), (538, 17169), (546, 17184), (581, 17259), (582, 17268), (593, 17298), (597, 17313), (598, 17316), (605, 17334), (613, 17355), (614, 17358), (644, 17397), (648, 17400), (682, 17484), (712, 17550), (723, 17571), (743, 17610), (759, 17649), (765, 17670), (774, 17700), (775, 17703), (777, 17712), (784, 17736), (808, 17805), (812, 17826), (828, 17895), (836, 17913), (852, 17961), (855, 17973),

(877, 18015), (880, 18027), (893, 18075), (936, 18246), (940, 18276), (946, 18306), (950, 18327), (980, 18462), (986, 18510),

Gene: Gladiator_29 Start: 16707, Stop: 18923, Start Num: 128

Candidate Starts for Gladiator_29:

(107, 16662), (Start: 128 @16707 has 47 MA's), (175, 16818), (233, 16974), (312, 17121), (316, 17133), (355, 17280), (356, 17283), (362, 17316), (382, 17406), (395, 17475), (419, 17550), (473, 17718), (670, 17976), (707, 18021), (773, 18129), (808, 18192), (819, 18234), (852, 18333), (857, 18354), (872, 18396), (888, 18447), (899, 18474), (919, 18555), (935, 18645),

Gene: Gollum_21 Start: 12124, Stop: 15471, Start Num: 15

Candidate Starts for Gollum_21:

(Start: 15 @12124 has 35 MA's), (17, 12142), (31, 12265), (37, 12286), (42, 12307), (47, 12337), (94, 12451), (107, 12499), (126, 12547), (127, 12556), (Start: 159 @12631 has 1 MA's), (173, 12652), (180, 12673), (183, 12679), (197, 12727), (232, 12799), (245, 12838), (251, 12847), (276, 12901), (294, 12955), (296, 12961), (312, 13000), (323, 13033), (333, 13072), (348, 13129), (373, 13240), (378, 13261), (380, 13270), (387, 13312), (397, 13363), (399, 13375), (420, 13447), (421, 13450), (432, 13522), (435, 13531), (441, 13555), (448, 13579), (450, 13588), (452, 13594), (453, 13597), (456, 13606), (458, 13618), (467, 13660), (472, 13690), (477, 13714), (481, 13735), (489, 13759), (504, 13804), (522, 13855), (528, 13867), (531, 13870), (538, 13888), (546, 13903), (577, 13954), (590, 14008), (652, 14131), (661, 14158), (670, 14182), (684, 14209), (700, 14245), (713, 14275), (750, 14359), (776, 14440), (790, 14485), (792, 14497), (793, 14506), (795, 14515), (798, 14521), (799, 14527), (808, 14548), (837, 14662), (842, 14683), (865, 14728), (884, 14782), (897, 14827), (915, 14899), (921, 14923), (929, 14968), (933, 14986), (945, 15061), (950, 15094), (959, 15136), (973, 15214), (978, 15229), (981, 15253), (992, 15409), (993, 15421), (994, 15427),

Gene: Gompeii16_24 Start: 16850, Stop: 19330, Start Num: 167

Candidate Starts for Gompeii16_24:

(Start: 167 @16850 has 215 MA's), (181, 16889), (211, 16952), (Start: 223 @16982 has 23 MA's), (233, 17024), (327, 17231), (333, 17249), (356, 17339), (369, 17402), (376, 17426), (378, 17438), (387, 17489), (537, 17873), (592, 17975), (606, 18014), (610, 18029), (614, 18041), (623, 18065), (718, 18293), (757, 18395), (765, 18416), (770, 18428), (777, 18458), (808, 18557), (823, 18620), (892, 18839), (903, 18872), (958, 19154), (975, 19241), (982, 19280), (986, 19310),

Gene: Goose_25 Start: 15688, Stop: 18417, Start Num: 161

Candidate Starts for Goose_25:

(102, 15457), (Start: 161 @15688 has 8 MA's), (Start: 228 @15865 has 10 MA's), (232, 15886), (240, 15910), (243, 15916), (247, 15940), (248, 15943), (252, 15952), (258, 15991), (263, 16000), (264, 16006), (267, 16030), (282, 16075), (294, 16117), (306, 16150), (309, 16159), (323, 16213), (337, 16267), (340, 16276), (344, 16300), (351, 16321), (370, 16426), (378, 16468), (455, 16783), (457, 16795), (462, 16822), (547, 16990), (594, 17110), (610, 17155), (611, 17158), (612, 17161), (619, 17182), (622, 17185), (643, 17230), (686, 17338), (695, 17359), (722, 17419), (732, 17452), (753, 17515), (777, 17593), (785, 17617), (808, 17692), (822, 17758), (828, 17782), (836, 17800), (845, 17836), (857, 17866), (874, 17908), (878, 17920), (882, 17932), (895, 17968), (899, 17980), (946, 18193), (948, 18205), (954, 18229), (958, 18253), (980, 18349), (986, 18397),

Gene: Graduation_26 Start: 17109, Stop: 19577, Start Num: 167

Candidate Starts for Graduation_26:

(Start: 167 @17109 has 215 MA's), (174, 17124), (Start: 223 @17238 has 23 MA's), (233, 17280), (273, 17310), (280, 17334), (303, 17400), (356, 17598), (362, 17631), (378, 17697), (440, 17952), (453, 17973), (460, 18000), (549, 18159), (575, 18195), (610, 18288), (617, 18309), (623, 18324), (630, 18345), (632, 18348), (659, 18417), (672, 18453), (687, 18486), (703, 18522), (718, 18552), (732, 18588), (757, 18654), (765, 18675), (808, 18816), (848, 18957), (857, 18978), (901, 19113),

(937, 19290), (958, 19401), (970, 19467), (975, 19488), (982, 19527), (984, 19542),

Gene: Gratitude_27 Start: 17115, Stop: 19622, Start Num: 120

Candidate Starts for Gratitude_27:

(Start: 120 @17115 has 91 MA's), (175, 17226), (195, 17283), (296, 17469), (321, 17532), (328, 17565), (330, 17571), (373, 17751), (376, 17760), (380, 17781), (383, 17802), (384, 17805), (387, 17823), (398, 17883), (425, 17991), (432, 18033), (447, 18087), (453, 18108), (467, 18171), (468, 18174), (470, 18192), (475, 18213), (538, 18399), (546, 18414), (568, 18441), (582, 18498), (587, 18513), (590, 18519), (593, 18528), (595, 18534), (605, 18564), (613, 18585), (648, 18630), (651, 18636), (662, 18669), (673, 18696), (706, 18768), (712, 18780), (743, 18840), (753, 18867), (774, 18930), (788, 18975), (792, 18987), (803, 19023), (815, 19059), (822, 19092), (864, 19155), (877, 19179), (930, 19323), (949, 19422), (964, 19509), (989, 19608),

Gene: GrecoEtereo_25 Start: 16652, Stop: 19120, Start Num: 167

Candidate Starts for GrecoEtereo_25:

(Start: 167 @16652 has 215 MA's), (174, 16667), (Start: 223 @16781 has 23 MA's), (233, 16823), (273, 16853), (303, 16943), (304, 16946), (356, 17141), (378, 17240), (440, 17495), (453, 17516), (460, 17543), (549, 17702), (575, 17738), (610, 17831), (617, 17852), (642, 17909), (687, 18029), (703, 18065), (718, 18095), (732, 18131), (757, 18197), (765, 18218), (808, 18359), (848, 18500), (857, 18521), (901, 18656), (937, 18833), (958, 18944), (965, 18986), (975, 19031), (982, 19070),

Gene: GreedyLawyer_29 Start: 16735, Stop: 18939, Start Num: 128

Candidate Starts for GreedyLawyer_29:

(69, 16576), (107, 16690), (Start: 128 @16735 has 47 MA's), (175, 16846), (176, 16852), (Start: 223 @16960 has 23 MA's), (233, 17002), (284, 17068), (316, 17161), (325, 17188), (356, 17311), (362, 17344), (382, 17434), (395, 17503), (473, 17746), (577, 17884), (670, 18004), (773, 18157), (808, 18220), (819, 18262), (852, 18361), (857, 18382), (864, 18403), (872, 18424), (888, 18475), (892, 18487), (899, 18502), (919, 18583), (935, 18661),

Gene: Greg_26 Start: 16674, Stop: 19145, Start Num: 167

Candidate Starts for Greg_26:

(Start: 167 @16674 has 215 MA's), (181, 16713), (211, 16776), (Start: 223 @16806 has 23 MA's), (229, 16827), (233, 16848), (236, 16860), (273, 16878), (280, 16902), (324, 17040), (333, 17076), (356, 17166), (362, 17199), (378, 17265), (440, 17520), (453, 17541), (460, 17568), (462, 17583), (498, 17664), (549, 17727), (575, 17763), (610, 17856), (617, 17877), (623, 17892), (630, 17913), (632, 17916), (659, 17985), (672, 18021), (687, 18054), (703, 18090), (718, 18120), (732, 18156), (757, 18222), (765, 18243), (808, 18384), (848, 18525), (857, 18546), (901, 18681), (937, 18858), (958, 18969), (970, 19035), (975, 19056), (982, 19095), (984, 19110),

Gene: Grif_27 Start: 16062, Stop: 19088, Start Num: 35

Candidate Starts for Grif_27:

(29, 16008), (Start: 35 @16062 has 84 MA's), (57, 16176), (79, 16242), (81, 16245), (85, 16254), (97, 16290), (113, 16341), (141, 16413), (174, 16485), (218, 16605), (220, 16608), (243, 16677), (260, 16722), (299, 16815), (305, 16824), (311, 16842), (321, 16869), (337, 16932), (341, 16944), (349, 16977), (353, 16995), (366, 17061), (367, 17064), (369, 17070), (373, 17085), (376, 17094), (378, 17106), (380, 17115), (397, 17208), (425, 17325), (426, 17328), (430, 17355), (432, 17367), (447, 17421), (453, 17442), (468, 17508), (475, 17547), (501, 17640), (520, 17688), (538, 17733), (570, 17781), (581, 17823), (582, 17832), (593, 17862), (594, 17865), (597, 17877), (618, 17934), (623, 17940), (644, 17961), (648, 17964), (706, 18102), (712, 18114), (743, 18174), (765, 18234), (774, 18264), (775, 18267), (777, 18276), (808, 18369), (817, 18414), (828, 18459), (836, 18477), (852, 18525), (855, 18537), (877, 18579), (894, 18642), (914, 18699), (927, 18768), (936, 18804), (950, 18885), (980, 19020),

Gene: GroundGoblin_25 Start: 17195, Stop: 19666, Start Num: 167

Candidate Starts for GroundGoblin_25:

(Start: 167 @17195 has 215 MA's), (181, 17234), (211, 17297), (Start: 223 @17327 has 23 MA's), (229, 17348), (233, 17369), (236, 17381), (273, 17399), (280, 17423), (303, 17489), (356, 17687), (362, 17720), (378, 17786), (440, 18041), (453, 18062), (460, 18089), (498, 18185), (533, 18215), (549, 18248), (575, 18284), (610, 18377), (617, 18398), (642, 18455), (687, 18575), (703, 18611), (718, 18641), (732, 18677), (757, 18743), (765, 18764), (777, 18806), (808, 18905), (848, 19046), (857, 19067), (901, 19202), (958, 19490), (975, 19577), (982, 19616),

Gene: Groundhog_21 Start: 14515, Stop: 17592, Start Num: 14

Candidate Starts for Groundhog_21:

(Start: 14 @14515 has 12 MA's), (22, 14599), (48, 14767), (50, 14791), (76, 14839), (113, 14959), (138, 15031), (191, 15181), (192, 15184), (198, 15190), (291, 15376), (310, 15436), (312, 15442), (331, 15508), (339, 15535), (342, 15550), (355, 15601), (356, 15604), (362, 15637), (369, 15670), (408, 15838), (464, 16021), (473, 16045), (495, 16093), (506, 16114), (507, 16117), (572, 16261), (587, 16318), (601, 16348), (616, 16387), (653, 16459), (662, 16489), (712, 16588), (725, 16618), (742, 16663), (753, 16696), (808, 16861), (812, 16882), (815, 16894), (839, 16975), (852, 17002), (872, 17065), (880, 17089), (889, 17119), (902, 17152), (912, 17185), (925, 17245), (930, 17272), (949, 17371), (950, 17377), (967, 17467), (976, 17488), (982, 17527), (991, 17575),

Gene: Groupthink_28 Start: 16057, Stop: 19083, Start Num: 35

Candidate Starts for Groupthink_28:

(29, 16003), (Start: 35 @16057 has 84 MA's), (57, 16171), (79, 16237), (81, 16240), (85, 16249), (97, 16285), (113, 16336), (141, 16408), (174, 16480), (218, 16600), (220, 16603), (243, 16672), (260, 16717), (299, 16810), (305, 16819), (321, 16864), (330, 16903), (337, 16927), (341, 16939), (349, 16972), (353, 16990), (357, 17011), (367, 17059), (369, 17065), (373, 17080), (376, 17089), (378, 17101), (380, 17110), (397, 17203), (421, 17290), (425, 17320), (426, 17323), (430, 17350), (432, 17362), (447, 17416), (453, 17437), (461, 17467), (468, 17503), (498, 17629), (520, 17683), (538, 17728), (570, 17776), (581, 17818), (582, 17827), (593, 17857), (618, 17929), (623, 17935), (644, 17956), (648, 17959), (654, 17971), (702, 18088), (706, 18097), (743, 18169), (744, 18172), (759, 18208), (774, 18259), (775, 18262), (777, 18271), (828, 18454), (852, 18520), (855, 18532), (877, 18574), (894, 18637), (914, 18694), (927, 18763), (936, 18799), (950, 18880), (980, 19015), (981, 19027),

Gene: Grub_27 Start: 15971, Stop: 18997, Start Num: 35

Candidate Starts for Grub_27:

(29, 15917), (Start: 35 @15971 has 84 MA's), (57, 16085), (79, 16151), (81, 16154), (85, 16163), (97, 16199), (113, 16250), (141, 16322), (174, 16394), (218, 16514), (220, 16517), (243, 16586), (260, 16631), (299, 16724), (305, 16733), (311, 16751), (321, 16778), (337, 16841), (341, 16853), (349, 16886), (353, 16904), (366, 16970), (367, 16973), (369, 16979), (373, 16994), (376, 17003), (378, 17015), (380, 17024), (397, 17117), (425, 17234), (426, 17237), (430, 17264), (432, 17276), (447, 17330), (453, 17351), (468, 17417), (472, 17444), (501, 17549), (520, 17597), (538, 17642), (570, 17690), (581, 17732), (582, 17741), (593, 17771), (594, 17774), (597, 17786), (618, 17843), (623, 17849), (644, 17870), (648, 17873), (706, 18011), (712, 18023), (743, 18083), (765, 18143), (774, 18173), (775, 18176), (777, 18185), (808, 18278), (828, 18368), (852, 18434), (855, 18446), (877, 18488), (894, 18551), (914, 18608), (927, 18677), (936, 18713), (950, 18794), (980, 18929),

Gene: Grum1_27 Start: 15972, Stop: 18998, Start Num: 35

Candidate Starts for Grum1_27:

(29, 15918), (Start: 35 @15972 has 84 MA's), (57, 16086), (79, 16152), (81, 16155), (85, 16164), (97, 16200), (113, 16251), (141, 16323), (174, 16395), (218, 16515), (220, 16518), (243, 16587), (260, 16632), (299, 16725), (305, 16734), (311, 16752), (321, 16779), (337, 16842), (341, 16854), (349, 16887), (353, 16905), (366, 16971), (367, 16974), (369, 16980), (373, 16995), (376, 17004), (378,

17016), (380, 17025), (397, 17118), (425, 17235), (426, 17238), (430, 17265), (432, 17277), (447, 17331), (453, 17352), (468, 17418), (475, 17457), (501, 17550), (520, 17598), (538, 17643), (570, 17691), (581, 17733), (582, 17742), (593, 17772), (594, 17775), (597, 17787), (618, 17844), (623, 17850), (644, 17871), (648, 17874), (706, 18012), (712, 18024), (743, 18084), (763, 18141), (808, 18279), (812, 18300), (817, 18324), (828, 18369), (836, 18387), (852, 18435), (855, 18447), (877, 18489), (894, 18552), (914, 18609), (927, 18678), (936, 18714), (950, 18795), (980, 18930),

Gene: Gruunaga_29 Start: 16707, Stop: 18923, Start Num: 128

Candidate Starts for Gruunaga_29:

(107, 16662), (Start: 128 @16707 has 47 MA's), (175, 16818), (233, 16974), (312, 17121), (316, 17133), (355, 17280), (356, 17283), (362, 17316), (382, 17406), (395, 17475), (419, 17550), (473, 17718), (670, 17976), (707, 18021), (773, 18129), (808, 18192), (819, 18234), (852, 18333), (857, 18354), (872, 18396), (888, 18447), (899, 18474), (919, 18555), (935, 18645),

Gene: GtownJaz_27 Start: 15980, Stop: 19006, Start Num: 35

Candidate Starts for GtownJaz_27:

(29, 15926), (Start: 35 @15980 has 84 MA's), (57, 16094), (79, 16160), (81, 16163), (85, 16172), (97, 16208), (113, 16259), (141, 16331), (174, 16403), (218, 16523), (220, 16526), (243, 16595), (260, 16640), (299, 16733), (305, 16742), (311, 16760), (321, 16787), (337, 16850), (341, 16862), (349, 16895), (353, 16913), (366, 16979), (367, 16982), (369, 16988), (373, 17003), (376, 17012), (378, 17024), (380, 17033), (393, 17111), (397, 17126), (425, 17243), (426, 17246), (430, 17273), (432, 17285), (447, 17339), (453, 17360), (468, 17426), (475, 17465), (501, 17558), (520, 17606), (538, 17651), (570, 17699), (581, 17741), (582, 17750), (593, 17780), (594, 17783), (597, 17795), (618, 17852), (623, 17858), (644, 17879), (648, 17882), (706, 18020), (712, 18032), (743, 18092), (763, 18149), (808, 18287), (812, 18308), (817, 18332), (828, 18377), (836, 18395), (852, 18443), (855, 18455), (877, 18497), (894, 18560), (914, 18617), (927, 18686), (936, 18722), (950, 18803), (980, 18938),

Gene: Gwendoluna_26 Start: 17874, Stop: 20708, Start Num: 167

Candidate Starts for Gwendoluna_26:

(Start: 167 @17874 has 215 MA's), (192, 17946), (300, 18189), (305, 18204), (319, 18249), (346, 18369), (350, 18387), (358, 18435), (366, 18480), (378, 18525), (379, 18528), (387, 18576), (429, 18759), (436, 18786), (458, 18870), (473, 18927), (480, 18945), (493, 18990), (504, 19026), (514, 19086), (534, 19134), (560, 19197), (561, 19200), (584, 19293), (592, 19317), (604, 19353), (610, 19380), (614, 19392), (620, 19410), (626, 19425), (650, 19488), (697, 19617), (715, 19662), (725, 19695), (729, 19707), (774, 19836), (802, 19932), (827, 20019), (828, 20022), (836, 20040), (901, 20244), (937, 20421), (958, 20532), (975, 20619), (982, 20658), (984, 20673),

Gene: Gwennie_26 Start: 15979, Stop: 19005, Start Num: 35

Candidate Starts for Gwennie_26:

(29, 15925), (Start: 35 @15979 has 84 MA's), (57, 16093), (79, 16159), (81, 16162), (85, 16171), (97, 16207), (113, 16258), (141, 16330), (174, 16402), (218, 16522), (220, 16525), (243, 16594), (260, 16639), (299, 16732), (305, 16741), (311, 16759), (321, 16786), (337, 16849), (341, 16861), (349, 16894), (353, 16912), (366, 16978), (367, 16981), (369, 16987), (373, 17002), (376, 17011), (378, 17023), (380, 17032), (393, 17110), (397, 17125), (425, 17242), (426, 17245), (430, 17272), (432, 17284), (447, 17338), (453, 17359), (468, 17425), (475, 17464), (501, 17557), (520, 17605), (538, 17650), (570, 17698), (581, 17740), (582, 17749), (593, 17779), (594, 17782), (597, 17794), (618, 17851), (623, 17857), (644, 17878), (648, 17881), (706, 18019), (712, 18031), (743, 18091), (763, 18148), (808, 18286), (812, 18307), (817, 18331), (828, 18376), (836, 18394), (852, 18442), (855, 18454), (877, 18496), (894, 18559), (914, 18616), (927, 18685), (936, 18721), (950, 18802), (980, 18937),

Gene: Gyzlar_26 Start: 17600, Stop: 20071, Start Num: 167

Candidate Starts for Gyzlar_26:

(Start: 167 @17600 has 215 MA's), (181, 17639), (211, 17702), (Start: 223 @17732 has 23 MA's), (229, 17753), (233, 17774), (236, 17786), (273, 17804), (280, 17828), (303, 17894), (312, 17921), (356, 18092), (362, 18125), (378, 18191), (440, 18446), (453, 18467), (460, 18494), (471, 18533), (498, 18590), (533, 18620), (610, 18782), (617, 18803), (642, 18860), (687, 18980), (703, 19016), (718, 19046), (732, 19082), (757, 19148), (765, 19169), (777, 19211), (808, 19310), (848, 19451), (857, 19472), (923, 19703), (937, 19784), (958, 19895), (975, 19982), (982, 20021), (986, 20051),

Gene: HINdeR_25 Start: 17367, Stop: 20738, Start Num: 36

Candidate Starts for HINdeR_25:

(Start: 36 @17367 has 4 MA's), (67, 17529), (109, 17679), (135, 17754), (178, 17904), (193, 17955), (218, 18006), (250, 18141), (309, 18342), (321, 18375), (336, 18435), (337, 18438), (341, 18450), (347, 18477), (357, 18522), (362, 18546), (367, 18570), (380, 18621), (384, 18645), (425, 18831), (429, 18858), (432, 18873), (443, 18912), (447, 18927), (453, 18948), (462, 18990), (466, 19005), (467, 19011), (468, 19014), (485, 19098), (491, 19113), (498, 19140), (499, 19143), (509, 19176), (525, 19212), (538, 19239), (540, 19242), (545, 19251), (605, 19404), (610, 19416), (611, 19419), (617, 19437), (623, 19446), (625, 19452), (628, 19461), (635, 19479), (640, 19488), (648, 19512), (657, 19530), (679, 19593), (694, 19626), (708, 19659), (712, 19668), (713, 19671), (717, 19680), (718, 19683), (722, 19701), (731, 19734), (745, 19770), (753, 19800), (769, 19845), (780, 19890), (782, 19899), (784, 19902), (788, 19911), (790, 19920), (828, 20067), (836, 20085), (853, 20142), (858, 20160), (862, 20172), (866, 20184), (869, 20193), (877, 20214), (882, 20235), (885, 20247), (894, 20280), (898, 20292), (900, 20298), (908, 20322), (911, 20340), (912, 20343), (928, 20421), (940, 20484), (944, 20505), (948, 20526), (954, 20550), (964, 20616), (968, 20631), (969, 20637),

Gene: HamSlice_24 Start: 15883, Stop: 18483, Start Num: 165

Candidate Starts for HamSlice_24:

(Start: 165 @15883 has 118 MA's), (Start: 223 @16024 has 23 MA's), (Start: 228 @16042 has 10 MA's), (278, 16249), (291, 16288), (298, 16318), (325, 16402), (333, 16435), (341, 16462), (356, 16525), (369, 16588), (380, 16633), (387, 16675), (405, 16759), (506, 17026), (533, 17077), (566, 17122), (595, 17200), (612, 17239), (686, 17407), (695, 17428), (704, 17452), (731, 17518), (749, 17572), (765, 17620), (785, 17686), (828, 17851), (836, 17869), (882, 17995), (943, 18247), (944, 18250), (946, 18259), (958, 18319), (980, 18415), (986, 18463),

Gene: Hami1_26 Start: 16746, Stop: 19217, Start Num: 167

Candidate Starts for Hami1_26:

(Start: 167 @16746 has 215 MA's), (181, 16785), (211, 16848), (Start: 223 @16878 has 23 MA's), (229, 16899), (233, 16920), (236, 16932), (273, 16950), (303, 17040), (356, 17238), (362, 17271), (378, 17337), (440, 17592), (453, 17613), (460, 17640), (549, 17799), (575, 17835), (610, 17928), (617, 17949), (642, 18006), (687, 18126), (703, 18162), (718, 18192), (732, 18228), (757, 18294), (765, 18315), (808, 18456), (848, 18597), (857, 18618), (901, 18753), (937, 18930), (958, 19041), (975, 19128), (982, 19167), (984, 19182),

Gene: Hammer_29 Start: 16722, Stop: 18938, Start Num: 128

Candidate Starts for Hammer_29:

(107, 16677), (Start: 128 @16722 has 47 MA's), (175, 16833), (233, 16989), (312, 17136), (316, 17148), (355, 17295), (356, 17298), (362, 17331), (382, 17421), (395, 17490), (419, 17565), (473, 17733), (670, 17991), (707, 18036), (773, 18144), (808, 18207), (819, 18249), (852, 18348), (857, 18369), (872, 18411), (888, 18462), (899, 18489), (919, 18570), (935, 18660),

Gene: HanShotFirst_24 Start: 16280, Stop: 18751, Start Num: 167

Candidate Starts for HanShotFirst_24:

(Start: 167 @16280 has 215 MA's), (181, 16319), (211, 16382), (Start: 223 @16412 has 23 MA's), (229, 16433), (233, 16454), (236, 16466), (273, 16484), (280, 16508), (303, 16574), (324, 16646),

(333, 16682), (356, 16772), (362, 16805), (378, 16871), (440, 17126), (453, 17147), (460, 17174), (462, 17189), (549, 17333), (575, 17369), (610, 17462), (617, 17483), (642, 17540), (687, 17660), (703, 17696), (718, 17726), (732, 17762), (757, 17828), (765, 17849), (808, 17990), (848, 18131), (857, 18152), (901, 18287), (937, 18464), (958, 18575), (975, 18662), (982, 18701), (984, 18716),

Gene: Hanray_26 Start: 17594, Stop: 20503, Start Num: 51

Candidate Starts for Hanray_26:

(Start: 51 @17594 has 33 MA's), (54, 17606), (70, 17666), (127, 17825), (153, 17888), (182, 17951), (194, 17993), (220, 18050), (233, 18089), (301, 18260), (305, 18266), (310, 18281), (336, 18371), (337, 18374), (341, 18386), (352, 18428), (362, 18482), (380, 18557), (383, 18578), (384, 18581), (387, 18599), (399, 18662), (419, 18728), (425, 18767), (429, 18794), (432, 18809), (440, 18839), (447, 18863), (453, 18884), (468, 18950), (475, 18989), (493, 19055), (501, 19082), (508, 19109), (538, 19175), (569, 19220), (590, 19295), (605, 19340), (613, 19361), (623, 19382), (624, 19385), (644, 19403), (648, 19406), (659, 19433), (667, 19460), (694, 19514), (774, 19706), (778, 19721), (788, 19751), (805, 19802), (827, 19889), (830, 19898), (846, 19949), (877, 20012), (882, 20033), (893, 20069), (908, 20105), (909, 20111), (927, 20189), (934, 20216), (944, 20276), (958, 20345), (962, 20375), (968, 20402), (981, 20441), (987, 20483),

Gene: Happiness_25 Start: 15891, Stop: 18491, Start Num: 165

Candidate Starts for Happiness_25:

(Start: 165 @15891 has 118 MA's), (Start: 223 @16032 has 23 MA's), (Start: 228 @16050 has 10 MA's), (278, 16257), (291, 16296), (298, 16326), (333, 16443), (341, 16470), (356, 16533), (369, 16596), (380, 16641), (387, 16683), (405, 16767), (506, 17034), (533, 17085), (566, 17130), (595, 17208), (610, 17241), (612, 17247), (662, 17361), (686, 17415), (704, 17460), (730, 17520), (736, 17538), (749, 17580), (765, 17628), (785, 17694), (828, 17859), (836, 17877), (882, 18003), (943, 18255), (944, 18258), (946, 18267), (957, 18324), (958, 18327), (965, 18372), (980, 18423), (986, 18471),

Gene: Harlequin_21 Start: 12074, Stop: 15421, Start Num: 15

Candidate Starts for Harlequin_21:

(Start: 15 @12074 has 35 MA's), (17, 12092), (31, 12215), (37, 12236), (42, 12257), (47, 12287), (63, 12326), (94, 12401), (126, 12497), (127, 12506), (Start: 159 @12581 has 1 MA's), (173, 12602), (180, 12623), (183, 12629), (197, 12677), (232, 12749), (245, 12788), (251, 12797), (276, 12851), (296, 12911), (312, 12950), (323, 12983), (333, 13022), (348, 13079), (373, 13190), (378, 13211), (380, 13220), (387, 13262), (397, 13313), (399, 13325), (420, 13397), (421, 13400), (432, 13472), (435, 13481), (448, 13529), (453, 13547), (456, 13556), (458, 13568), (467, 13610), (472, 13640), (481, 13685), (489, 13709), (504, 13754), (522, 13805), (528, 13817), (531, 13820), (538, 13838), (546, 13853), (577, 13904), (590, 13958), (603, 14000), (627, 14054), (640, 14057), (700, 14195), (713, 14225), (750, 14309), (779, 14399), (790, 14435), (792, 14447), (793, 14456), (795, 14465), (798, 14471), (804, 14489), (808, 14498), (837, 14612), (842, 14633), (865, 14678), (884, 14732), (897, 14777), (915, 14849), (921, 14873), (929, 14918), (933, 14936), (945, 15011), (950, 15044), (959, 15086), (978, 15179), (981, 15203), (992, 15359), (994, 15377),

Gene: HarryHoudini_28 Start: 17132, Stop: 19639, Start Num: 120

Candidate Starts for HarryHoudini_28:

(Start: 120 @17132 has 91 MA's), (175, 17243), (195, 17300), (Start: 208 @17321 has 1 MA's), (216, 17345), (258, 17411), (296, 17486), (321, 17549), (328, 17582), (330, 17588), (373, 17768), (376, 17777), (380, 17798), (383, 17819), (384, 17822), (387, 17840), (397, 17891), (398, 17900), (425, 18008), (432, 18050), (435, 18059), (447, 18104), (453, 18125), (468, 18191), (470, 18209), (475, 18230), (476, 18239), (538, 18416), (546, 18431), (568, 18458), (582, 18515), (587, 18530), (590, 18536), (593, 18545), (595, 18551), (597, 18560), (605, 18581), (613, 18602), (648, 18647), (651, 18653), (662, 18686), (691, 18752), (706, 18785), (712, 18797), (743, 18857), (753, 18884), (774, 18947), (788, 18992), (803, 19040), (815, 19076), (864, 19172), (877, 19196), (930, 19340), (949,

19439), (989, 19625),

Gene: HarryOW_25 Start: 16725, Stop: 19205, Start Num: 167

Candidate Starts for HarryOW_25:

(Start: 167 @16725 has 215 MA's), (181, 16764), (211, 16827), (213, 16833), (Start: 223 @16857 has 23 MA's), (233, 16899), (327, 17106), (333, 17124), (356, 17214), (369, 17277), (376, 17301), (378, 17313), (387, 17364), (537, 17748), (592, 17850), (606, 17889), (614, 17916), (623, 17940), (718, 18168), (757, 18270), (765, 18291), (770, 18303), (777, 18333), (807, 18429), (808, 18432), (823, 18495), (892, 18714), (903, 18747), (958, 19029), (975, 19116), (982, 19155), (984, 19170),

Gene: HashRod_28 Start: 16063, Stop: 19089, Start Num: 35

Candidate Starts for HashRod_28:

(29, 16009), (Start: 35 @16063 has 84 MA's), (57, 16177), (79, 16243), (81, 16246), (85, 16255), (97, 16291), (113, 16342), (141, 16414), (174, 16486), (218, 16606), (220, 16609), (243, 16678), (260, 16723), (299, 16816), (305, 16825), (311, 16843), (321, 16870), (337, 16933), (341, 16945), (349, 16978), (353, 16996), (366, 17062), (367, 17065), (369, 17071), (373, 17086), (376, 17095), (378, 17107), (380, 17116), (393, 17194), (397, 17209), (425, 17326), (426, 17329), (430, 17356), (432, 17368), (447, 17422), (453, 17443), (468, 17509), (475, 17548), (501, 17641), (520, 17689), (538, 17734), (570, 17782), (581, 17824), (582, 17833), (593, 17863), (594, 17866), (597, 17878), (618, 17935), (623, 17941), (644, 17962), (648, 17965), (706, 18103), (712, 18115), (743, 18175), (763, 18232), (808, 18370), (812, 18391), (817, 18415), (828, 18460), (836, 18478), (852, 18526), (855, 18538), (877, 18580), (894, 18643), (914, 18700), (927, 18769), (936, 18805), (950, 18886), (980, 19021),

Gene: HaveUMetTed_28 Start: 16050, Stop: 19076, Start Num: 35

Candidate Starts for HaveUMetTed_28:

(29, 15996), (Start: 35 @16050 has 84 MA's), (57, 16164), (79, 16230), (81, 16233), (85, 16242), (97, 16278), (113, 16329), (141, 16401), (174, 16473), (218, 16593), (220, 16596), (243, 16665), (260, 16710), (299, 16803), (305, 16812), (321, 16857), (330, 16896), (337, 16920), (341, 16932), (349, 16965), (353, 16983), (357, 17004), (367, 17052), (369, 17058), (373, 17073), (376, 17082), (378, 17094), (380, 17103), (397, 17196), (421, 17283), (425, 17313), (426, 17316), (430, 17343), (432, 17355), (447, 17409), (453, 17430), (461, 17460), (468, 17496), (498, 17622), (520, 17676), (538, 17721), (570, 17769), (581, 17811), (582, 17820), (593, 17850), (618, 17922), (623, 17928), (644, 17949), (648, 17952), (654, 17964), (702, 18081), (706, 18090), (743, 18162), (744, 18165), (759, 18201), (774, 18252), (775, 18255), (777, 18264), (828, 18447), (852, 18513), (855, 18525), (877, 18567), (894, 18630), (914, 18687), (927, 18756), (936, 18792), (950, 18873), (980, 19008), (981, 19020),

Gene: Heathen_25 Start: 15296, Stop: 18334, Start Num: 33

Candidate Starts for Heathen_25:

(Start: 33 @15296 has 33 MA's), (73, 15470), (81, 15482), (92, 15515), (174, 15725), (220, 15848), (226, 15869), (299, 16055), (309, 16076), (321, 16109), (337, 16172), (341, 16184), (349, 16217), (353, 16235), (367, 16304), (369, 16310), (373, 16325), (376, 16334), (378, 16346), (380, 16355), (397, 16448), (425, 16565), (426, 16568), (430, 16595), (432, 16607), (447, 16661), (453, 16682), (458, 16703), (468, 16748), (475, 16787), (501, 16880), (520, 16928), (538, 16973), (546, 16988), (581, 17063), (582, 17072), (586, 17084), (593, 17102), (597, 17117), (618, 17174), (644, 17201), (648, 17204), (658, 17225), (712, 17354), (723, 17375), (743, 17414), (759, 17453), (765, 17474), (774, 17504), (775, 17507), (777, 17516), (784, 17540), (808, 17609), (812, 17630), (828, 17699), (836, 17717), (852, 17765), (855, 17777), (877, 17819), (880, 17831), (893, 17879), (936, 18050), (940, 18080), (946, 18110), (950, 18131), (980, 18266), (981, 18278), (986, 18314),

Gene: Heffalump_28 Start: 18467, Stop: 21010, Start Num: 120

Candidate Starts for Heffalump_28:

(Start: 120 @18467 has 91 MA's), (200, 18644), (203, 18647), (205, 18650), (289, 18818), (292, 18824), (296, 18845), (299, 18854), (309, 18875), (321, 18908), (328, 18941), (353, 19034), (363, 19082), (366, 19100), (376, 19133), (378, 19145), (379, 19148), (380, 19154), (383, 19175), (384, 19178), (425, 19364), (432, 19406), (435, 19415), (438, 19424), (450, 19472), (453, 19481), (468, 19547), (475, 19586), (501, 19679), (505, 19697), (538, 19772), (582, 19871), (587, 19886), (590, 19892), (593, 19901), (597, 19916), (605, 19937), (613, 19958), (624, 19982), (648, 20003), (651, 20009), (662, 20042), (666, 20054), (670, 20063), (712, 20153), (743, 20213), (753, 20240), (774, 20303), (788, 20348), (827, 20486), (881, 20576), (887, 20585), (928, 20696), (935, 20726), (949, 20810),

Gene: HelDan_25 Start: 15548, Stop: 18586, Start Num: 33

Candidate Starts for HelDan_25:

(Start: 33 @15548 has 33 MA's), (73, 15722), (81, 15734), (92, 15767), (174, 15977), (220, 16100), (226, 16121), (299, 16307), (309, 16328), (321, 16361), (337, 16424), (341, 16436), (349, 16469), (353, 16487), (367, 16556), (369, 16562), (373, 16577), (376, 16586), (378, 16598), (380, 16607), (397, 16700), (425, 16817), (426, 16820), (430, 16847), (432, 16859), (447, 16913), (453, 16934), (458, 16955), (468, 17000), (475, 17039), (501, 17132), (520, 17180), (538, 17225), (546, 17240), (581, 17315), (582, 17324), (586, 17336), (593, 17354), (597, 17369), (618, 17426), (644, 17453), (648, 17456), (658, 17477), (712, 17606), (723, 17627), (743, 17666), (759, 17705), (765, 17726), (774, 17756), (775, 17759), (777, 17768), (784, 17792), (808, 17861), (812, 17882), (828, 17951), (836, 17969), (852, 18017), (855, 18029), (877, 18071), (880, 18083), (893, 18131), (936, 18302), (940, 18332), (946, 18362), (950, 18383), (980, 18518), (981, 18530), (986, 18566),

Gene: Heliosoles_27 Start: 16057, Stop: 19083, Start Num: 35

Candidate Starts for Heliosoles_27:

(29, 16003), (Start: 35 @16057 has 84 MA's), (57, 16171), (79, 16237), (81, 16240), (85, 16249), (97, 16285), (113, 16336), (141, 16408), (174, 16480), (218, 16600), (220, 16603), (243, 16672), (260, 16717), (299, 16810), (305, 16819), (321, 16864), (330, 16903), (337, 16927), (341, 16939), (349, 16972), (353, 16990), (357, 17011), (367, 17059), (369, 17065), (373, 17080), (376, 17089), (378, 17101), (380, 17110), (397, 17203), (421, 17290), (425, 17320), (426, 17323), (430, 17350), (432, 17362), (447, 17416), (453, 17437), (461, 17467), (468, 17503), (498, 17629), (520, 17683), (538, 17728), (570, 17776), (581, 17818), (582, 17827), (593, 17857), (618, 17929), (623, 17935), (644, 17956), (648, 17959), (654, 17971), (702, 18088), (706, 18097), (743, 18169), (744, 18172), (759, 18208), (774, 18259), (775, 18262), (777, 18271), (828, 18454), (852, 18520), (855, 18532), (877, 18574), (894, 18637), (914, 18694), (927, 18763), (936, 18799), (950, 18880), (980, 19015), (981, 19027),

Gene: Helmet_29 Start: 16733, Stop: 18937, Start Num: 128

Candidate Starts for Helmet_29:

(69, 16574), (107, 16688), (Start: 128 @16733 has 47 MA's), (175, 16844), (233, 17000), (312, 17147), (316, 17159), (356, 17309), (362, 17342), (382, 17432), (395, 17501), (473, 17744), (577, 17882), (670, 18002), (773, 18155), (808, 18218), (819, 18260), (852, 18359), (857, 18380), (864, 18401), (872, 18422), (888, 18473), (892, 18485), (899, 18500), (919, 18581), (935, 18659),

Gene: Herbertwm_23 Start: 15323, Stop: 17746, Start Num: 156

Candidate Starts for Herbertwm_23:

(Start: 156 @15323 has 2 MA's), (168, 15341), (172, 15353), (178, 15374), (181, 15380), (213, 15452), (233, 15518), (236, 15530), (288, 15593), (304, 15641), (309, 15656), (321, 15689), (325, 15704), (331, 15731), (339, 15758), (348, 15794), (355, 15824), (356, 15827), (357, 15836), (376, 15914), (380, 15935), (381, 15947), (387, 15977), (413, 16073), (423, 16109), (431, 16160), (461, 16238), (499, 16343), (525, 16388), (579, 16526), (612, 16616), (675, 16766), (720, 16859), (735, 16901), (773, 16976), (808, 17039), (841, 17156), (852, 17180), (857, 17201), (864, 17222), (880, 17267), (888, 17294), (902, 17330), (945, 17528), (949, 17549), (981, 17690),

Gene: Hercules11_27 Start: 15986, Stop: 19012, Start Num: 35

Candidate Starts for Hercules11_27:

(29, 15932), (Start: 35 @15986 has 84 MA's), (57, 16100), (79, 16166), (81, 16169), (85, 16178), (97, 16214), (113, 16265), (141, 16337), (174, 16409), (218, 16529), (220, 16532), (243, 16601), (260, 16646), (299, 16739), (305, 16748), (311, 16766), (321, 16793), (337, 16856), (341, 16868), (349, 16901), (353, 16919), (366, 16985), (367, 16988), (369, 16994), (373, 17009), (376, 17018), (378, 17030), (380, 17039), (393, 17117), (397, 17132), (425, 17249), (426, 17252), (430, 17279), (432, 17291), (447, 17345), (453, 17366), (468, 17432), (475, 17471), (501, 17564), (520, 17612), (538, 17657), (570, 17705), (581, 17747), (582, 17756), (593, 17786), (594, 17789), (597, 17801), (618, 17858), (623, 17864), (644, 17885), (648, 17888), (706, 18026), (712, 18038), (743, 18098), (763, 18155), (808, 18293), (812, 18314), (817, 18338), (828, 18383), (836, 18401), (852, 18449), (855, 18461), (877, 18503), (894, 18566), (914, 18623), (927, 18692), (936, 18728), (950, 18809), (980, 18944),

Gene: Hermia_26 Start: 17387, Stop: 19858, Start Num: 167

Candidate Starts for Hermia_26:

(Start: 167 @17387 has 215 MA's), (181, 17426), (211, 17489), (Start: 223 @17519 has 23 MA's), (229, 17540), (233, 17561), (236, 17573), (273, 17591), (280, 17615), (303, 17681), (356, 17879), (362, 17912), (378, 17978), (440, 18233), (453, 18254), (460, 18281), (498, 18377), (533, 18407), (549, 18440), (575, 18476), (610, 18569), (617, 18590), (642, 18647), (687, 18767), (703, 18803), (718, 18833), (732, 18869), (757, 18935), (765, 18956), (777, 18998), (808, 19097), (848, 19238), (857, 19259), (901, 19394), (958, 19682), (975, 19769), (982, 19808),

Gene: HermioneGrange_24 Start: 16299, Stop: 18779, Start Num: 167

Candidate Starts for HermioneGrange_24:

(Start: 167 @16299 has 215 MA's), (181, 16338), (211, 16401), (Start: 223 @16431 has 23 MA's), (233, 16473), (327, 16680), (333, 16698), (356, 16788), (369, 16851), (376, 16875), (378, 16887), (387, 16938), (537, 17322), (592, 17424), (606, 17463), (614, 17490), (623, 17514), (672, 17643), (718, 17742), (757, 17844), (765, 17865), (770, 17877), (777, 17907), (808, 18006), (823, 18069), (852, 18159), (892, 18288), (903, 18321), (937, 18492), (958, 18603), (970, 18669), (975, 18690), (982, 18729), (986, 18759),

Gene: Hexamo_29 Start: 16689, Stop: 18905, Start Num: 128

Candidate Starts for Hexamo_29:

(107, 16644), (Start: 128 @16689 has 47 MA's), (175, 16800), (233, 16956), (312, 17103), (316, 17115), (355, 17262), (356, 17265), (362, 17298), (382, 17388), (395, 17457), (419, 17532), (473, 17700), (670, 17958), (707, 18003), (773, 18111), (808, 18174), (819, 18216), (852, 18315), (857, 18336), (872, 18378), (888, 18429), (899, 18456), (919, 18537), (935, 18627),

Gene: HippoHollow_27 Start: 18385, Stop: 20925, Start Num: 120

Candidate Starts for HippoHollow_27:

(Start: 120 @18385 has 91 MA's), (203, 18565), (205, 18568), (287, 18727), (292, 18736), (296, 18757), (299, 18766), (309, 18787), (321, 18820), (328, 18853), (363, 18994), (366, 19012), (376, 19045), (378, 19057), (379, 19060), (380, 19066), (383, 19087), (384, 19090), (401, 19177), (425, 19276), (432, 19318), (435, 19327), (438, 19336), (453, 19393), (468, 19459), (475, 19498), (587, 19798), (593, 19813), (595, 19819), (597, 19828), (605, 19849), (614, 19873), (624, 19894), (648, 19915), (651, 19921), (662, 19954), (666, 19966), (670, 19975), (694, 20023), (740, 20116), (743, 20125), (753, 20152), (769, 20194), (774, 20215), (835, 20410), (881, 20488), (887, 20497), (917, 20560), (928, 20608), (935, 20638), (942, 20695), (948, 20722), (949, 20725), (965, 20815),

Gene: Hiro_21 Start: 12068, Stop: 15727, Start Num: 15

Candidate Starts for Hiro_21:

(Start: 15 @12068 has 35 MA's), (Start: 21 @12116 has 1 MA's), (37, 12230), (42, 12251), (61, 12353), (93, 12455), (122, 12569), (139, 12617), (140, 12623), (146, 12647), (166, 12719), (177, 12752), (253, 13043), (259, 13076), (268, 13124), (270, 13130), (294, 13211), (296, 13217), (299, 13226), (320, 13277), (323, 13289), (333, 13328), (348, 13385), (373, 13496), (378, 13517), (380, 13526), (387, 13568), (397, 13619), (399, 13631), (420, 13703), (421, 13706), (432, 13778), (435, 13787), (440, 13808), (446, 13829), (448, 13835), (453, 13853), (456, 13862), (458, 13874), (467, 13916), (472, 13946), (481, 13991), (489, 14015), (504, 14060), (522, 14111), (528, 14123), (531, 14126), (538, 14144), (546, 14159), (577, 14210), (603, 14306), (640, 14363), (652, 14387), (659, 14405), (661, 14414), (700, 14501), (738, 14579), (750, 14615), (761, 14642), (763, 14654), (781, 14717), (790, 14741), (793, 14762), (798, 14777), (799, 14783), (800, 14786), (804, 14795), (837, 14918), (846, 14951), (884, 15038), (896, 15080), (897, 15083), (915, 15155), (921, 15179), (925, 15200), (929, 15224), (933, 15242), (945, 15317), (950, 15350), (959, 15392), (979, 15488), (981, 15509), (990, 15560), (992, 15665), (994, 15683),

Gene: Hoxl_26 Start: 17594, Stop: 20503, Start Num: 51

Candidate Starts for Hoxl_26:

(Start: 51 @17594 has 33 MA's), (54, 17606), (70, 17666), (127, 17825), (153, 17888), (182, 17951), (194, 17993), (220, 18050), (233, 18089), (301, 18260), (305, 18266), (310, 18281), (336, 18371), (337, 18374), (341, 18386), (352, 18428), (362, 18482), (380, 18557), (383, 18578), (384, 18581), (387, 18599), (399, 18662), (419, 18728), (425, 18767), (429, 18794), (432, 18809), (440, 18839), (447, 18863), (450, 18875), (453, 18884), (468, 18950), (475, 18989), (493, 19055), (501, 19082), (508, 19109), (538, 19175), (569, 19220), (590, 19295), (605, 19340), (613, 19361), (623, 19382), (624, 19385), (644, 19403), (648, 19406), (659, 19433), (667, 19460), (694, 19514), (774, 19706), (778, 19721), (788, 19751), (805, 19802), (827, 19889), (830, 19898), (846, 19949), (877, 20012), (882, 20033), (893, 20069), (908, 20105), (909, 20111), (927, 20189), (934, 20216), (944, 20276), (958, 20345), (962, 20375), (968, 20402), (981, 20441), (987, 20483),

Gene: Hoxl_25 Start: 15675, Stop: 18275, Start Num: 165

Candidate Starts for Hoxl_25:

(Start: 165 @15675 has 118 MA's), (Start: 223 @15816 has 23 MA's), (Start: 228 @15834 has 10 MA's), (278, 16041), (291, 16080), (298, 16110), (333, 16227), (341, 16254), (356, 16317), (369, 16380), (380, 16425), (387, 16467), (405, 16551), (506, 16818), (533, 16869), (566, 16914), (595, 16992), (612, 17031), (686, 17199), (695, 17220), (704, 17244), (731, 17310), (749, 17364), (765, 17412), (785, 17478), (828, 17643), (836, 17661), (882, 17787), (943, 18039), (944, 18042), (946, 18051), (958, 18111), (980, 18207), (986, 18255),

Gene: Hoxl_24 Start: 16444, Stop: 19104, Start Num: 167

Candidate Starts for Hoxl_24:

(Start: 167 @16444 has 215 MA's), (181, 16483), (211, 16546), (213, 16552), (Start: 223 @16576 has 23 MA's), (233, 16618), (356, 16927), (369, 16990), (380, 17035), (385, 17059), (400, 17134), (403, 17146), (504, 17467), (610, 17797), (629, 17848), (642, 17875), (719, 18079), (762, 18193), (765, 18202), (772, 18223), (777, 18244), (808, 18343), (819, 18385), (820, 18388), (860, 18517), (888, 18601), (904, 18646), (958, 18928), (975, 19015), (982, 19054), (986, 19084),

Gene: Hoxl_26 Start: 16044, Stop: 19082, Start Num: 33

Candidate Starts for Hoxl_26:

(Start: 33 @16044 has 33 MA's), (73, 16218), (81, 16230), (92, 16263), (174, 16470), (181, 16491), (218, 16590), (220, 16593), (299, 16803), (309, 16824), (321, 16857), (337, 16920), (341, 16932), (349, 16965), (353, 16983), (357, 17004), (367, 17052), (369, 17058), (373, 17073), (376, 17082), (378, 17094), (380, 17103), (397, 17196), (425, 17313), (426, 17316), (430, 17343), (432, 17355), (447, 17409), (453, 17430), (468, 17496), (475, 17535), (520, 17676), (538, 17721), (581, 17811), (582, 17820), (593, 17850), (613, 17907), (618, 17922), (644, 17949), (648, 17952), (657, 17970), (702, 18081), (743, 18162), (763, 18219), (776, 18261), (808, 18357), (812, 18378), (817, 18402),

(828, 18447), (836, 18465), (852, 18513), (855, 18525), (877, 18567), (880, 18579), (893, 18627), (936, 18798), (946, 18858), (948, 18870), (955, 18897), (958, 18918), (980, 19014), (986, 19062),

Gene: Hoot_29 Start: 16714, Stop: 18918, Start Num: 128

Candidate Starts for Hoot_29:

(69, 16555), (107, 16669), (Start: 128 @16714 has 47 MA's), (175, 16825), (176, 16831), (Start: 223 @16939 has 23 MA's), (233, 16981), (284, 17047), (316, 17140), (325, 17167), (356, 17290), (362, 17323), (382, 17413), (395, 17482), (473, 17725), (577, 17863), (670, 17983), (773, 18136), (808, 18199), (819, 18241), (852, 18340), (857, 18361), (864, 18382), (872, 18403), (888, 18454), (892, 18466), (899, 18481), (919, 18562), (935, 18640),

Gene: Hope4ever_24 Start: 16765, Stop: 19242, Start Num: 169

Candidate Starts for Hope4ever_24:

(Start: 169 @16765 has 9 MA's), (174, 16780), (Start: 223 @16894 has 23 MA's), (233, 16936), (327, 17143), (333, 17161), (356, 17251), (369, 17314), (376, 17338), (378, 17350), (387, 17401), (422, 17527), (537, 17785), (592, 17887), (606, 17926), (610, 17941), (614, 17953), (623, 17977), (672, 18106), (718, 18205), (757, 18307), (765, 18328), (777, 18370), (808, 18469), (823, 18532), (892, 18751), (903, 18784), (958, 19066), (970, 19132), (975, 19153), (982, 19192), (984, 19207),

Gene: HortumSL17_27 Start: 17590, Stop: 20499, Start Num: 51

Candidate Starts for HortumSL17_27:

(Start: 51 @17590 has 33 MA's), (54, 17602), (70, 17662), (127, 17821), (153, 17884), (182, 17947), (194, 17989), (220, 18046), (301, 18256), (305, 18262), (310, 18277), (336, 18367), (337, 18370), (341, 18382), (352, 18424), (362, 18478), (380, 18553), (383, 18574), (384, 18577), (387, 18595), (399, 18658), (419, 18724), (425, 18763), (429, 18790), (432, 18805), (440, 18835), (447, 18859), (450, 18871), (453, 18880), (468, 18946), (475, 18985), (493, 19051), (501, 19078), (508, 19105), (538, 19171), (569, 19216), (590, 19291), (605, 19336), (613, 19357), (623, 19378), (624, 19381), (644, 19399), (648, 19402), (659, 19429), (694, 19510), (712, 19552), (774, 19702), (778, 19717), (788, 19747), (805, 19798), (827, 19885), (830, 19894), (846, 19945), (877, 20008), (882, 20029), (893, 20065), (908, 20101), (909, 20107), (927, 20185), (934, 20212), (944, 20272), (958, 20341), (962, 20371), (968, 20398), (981, 20437), (987, 20479),

Gene: Houdini22_25 Start: 16030, Stop: 18489, Start Num: 223

Candidate Starts for Houdini22_25:

(Start: 165 @15889 has 118 MA's), (Start: 223 @16030 has 23 MA's), (Start: 228 @16048 has 10 MA's), (278, 16255), (291, 16294), (298, 16324), (333, 16441), (341, 16468), (356, 16531), (369, 16594), (380, 16639), (387, 16681), (405, 16765), (506, 17032), (533, 17083), (566, 17128), (595, 17206), (610, 17239), (612, 17245), (619, 17266), (686, 17413), (695, 17434), (704, 17458), (731, 17524), (749, 17578), (765, 17626), (785, 17692), (828, 17857), (836, 17875), (882, 18001), (943, 18253), (944, 18256), (946, 18265), (958, 18325), (980, 18421), (986, 18469),

Gene: HuhtaEnerson15_22 Start: 15244, Stop: 18582, Start Num: 1

Candidate Starts for HuhtaEnerson15_22:

(Start: 1 @15244 has 39 MA's), (32, 15682), (Start: 129 @15994 has 2 MA's), (152, 16072), (Start: 161 @16102 has 8 MA's), (184, 16159), (221, 16243), (236, 16306), (240, 16312), (310, 16432), (336, 16522), (337, 16525), (356, 16600), (365, 16645), (369, 16663), (372, 16675), (380, 16708), (383, 16729), (429, 16921), (484, 17059), (507, 17107), (595, 17311), (598, 17323), (608, 17347), (634, 17410), (722, 17602), (731, 17632), (742, 17656), (745, 17668), (768, 17731), (808, 17854), (812, 17875), (819, 17896), (843, 17974), (852, 17995), (864, 18037), (872, 18058), (902, 18145), (911, 18175), (925, 18238), (928, 18256), (943, 18337), (946, 18349), (948, 18361), (950, 18370), (961, 18424), (979, 18508), (980, 18517), (983, 18547),

Gene: Hutc2_26 Start: 17160, Stop: 19706, Start Num: 125

Candidate Starts for Hutc2_26:

(Start: 125 @17160 has 22 MA's), (Start: 131 @17178 has 2 MA's), (Start: 188 @17352 has 18 MA's), (192, 17361), (233, 17436), (291, 17490), (308, 17544), (313, 17559), (314, 17562), (321, 17580), (337, 17643), (341, 17655), (356, 17718), (369, 17781), (373, 17796), (376, 17805), (380, 17826), (384, 17850), (387, 17865), (408, 17952), (410, 17955), (416, 17970), (422, 17991), (424, 18003), (440, 18069), (464, 18141), (473, 18165), (503, 18246), (506, 18255), (510, 18267), (522, 18309), (562, 18366), (580, 18420), (618, 18528), (638, 18567), (698, 18708), (742, 18804), (746, 18825), (760, 18858), (773, 18891), (774, 18894), (807, 18978), (819, 19023), (820, 19026), (854, 19140), (864, 19173), (888, 19245), (902, 19281), (919, 19353), (935, 19431), (944, 19485), (949, 19509), (976, 19620),

Gene: Huxley_25 Start: 15949, Stop: 18549, Start Num: 165

Candidate Starts for Huxley_25:

(Start: 165 @15949 has 118 MA's), (Start: 223 @16090 has 23 MA's), (Start: 228 @16108 has 10 MA's), (278, 16315), (291, 16354), (298, 16384), (333, 16501), (341, 16528), (356, 16591), (369, 16654), (380, 16699), (387, 16741), (405, 16825), (506, 17092), (533, 17143), (566, 17188), (595, 17266), (610, 17299), (612, 17305), (619, 17326), (686, 17473), (695, 17494), (704, 17518), (731, 17584), (749, 17638), (765, 17686), (785, 17752), (828, 17917), (836, 17935), (882, 18061), (943, 18313), (944, 18316), (946, 18325), (958, 18385), (980, 18481), (986, 18529),

Gene: ICleared_25 Start: 16024, Stop: 18483, Start Num: 223

Candidate Starts for ICleared_25:

(Start: 165 @15883 has 118 MA's), (Start: 223 @16024 has 23 MA's), (Start: 228 @16042 has 10 MA's), (278, 16249), (291, 16288), (298, 16318), (333, 16435), (341, 16462), (356, 16525), (369, 16588), (380, 16633), (387, 16675), (405, 16759), (506, 17026), (533, 17077), (566, 17122), (595, 17200), (610, 17233), (612, 17239), (686, 17407), (695, 17428), (704, 17452), (731, 17518), (749, 17572), (765, 17620), (785, 17686), (828, 17851), (836, 17869), (882, 17995), (943, 18247), (944, 18250), (946, 18259), (958, 18319), (980, 18415), (986, 18463),

Gene: ILeeKay_26 Start: 16526, Stop: 19006, Start Num: 167

Candidate Starts for ILeeKay_26:

(Start: 167 @16526 has 215 MA's), (181, 16565), (211, 16628), (Start: 223 @16658 has 23 MA's), (233, 16700), (327, 16907), (333, 16925), (356, 17015), (369, 17078), (376, 17102), (378, 17114), (387, 17165), (537, 17549), (592, 17651), (606, 17690), (614, 17717), (623, 17741), (718, 17969), (757, 18071), (765, 18092), (770, 18104), (777, 18134), (808, 18233), (823, 18296), (892, 18515), (903, 18548), (958, 18830), (975, 18917), (982, 18956), (984, 18971),

Gene: Iceman_26 Start: 16174, Stop: 18774, Start Num: 165

Candidate Starts for Iceman_26:

(Start: 165 @16174 has 118 MA's), (Start: 223 @16315 has 23 MA's), (Start: 228 @16333 has 10 MA's), (278, 16540), (291, 16579), (298, 16609), (333, 16726), (341, 16753), (356, 16816), (369, 16879), (380, 16924), (387, 16966), (405, 17050), (506, 17317), (533, 17368), (566, 17413), (595, 17491), (610, 17524), (612, 17530), (658, 17626), (660, 17635), (686, 17698), (695, 17719), (705, 17746), (722, 17779), (730, 17803), (731, 17809), (749, 17863), (765, 17911), (785, 17977), (828, 18142), (836, 18160), (882, 18286), (943, 18538), (944, 18541), (946, 18550), (958, 18610), (980, 18706), (986, 18754),

Gene: Ichabod_25 Start: 16373, Stop: 19030, Start Num: 167

Candidate Starts for Ichabod_25:

(Start: 167 @16373 has 215 MA's), (174, 16388), (211, 16472), (213, 16478), (Start: 223 @16502 has 23 MA's), (233, 16544), (356, 16853), (369, 16916), (380, 16961), (385, 16985), (389, 17006), (400, 17060), (403, 17072), (504, 17393), (610, 17723), (629, 17774), (642, 17801), (719, 18005), (762, 18119), (765, 18128), (772, 18149), (777, 18170), (808, 18269), (819, 18311), (820, 18314), (860,

18443), (888, 18527), (904, 18572), (958, 18854), (975, 18941), (982, 18980), (986, 19010),

Gene: Idleandcovert_25 Start: 15495, Stop: 18530, Start Num: 33

Candidate Starts for Idleandcovert_25:

(Start: 33 @15495 has 33 MA's), (73, 15669), (81, 15681), (92, 15714), (174, 15924), (218, 16044), (220, 16047), (299, 16251), (309, 16272), (320, 16302), (321, 16305), (337, 16368), (341, 16380), (349, 16413), (353, 16431), (367, 16500), (369, 16506), (373, 16521), (376, 16530), (378, 16542), (380, 16551), (397, 16644), (425, 16761), (426, 16764), (429, 16788), (430, 16791), (432, 16803), (447, 16857), (453, 16878), (458, 16899), (468, 16944), (472, 16971), (475, 16983), (520, 17124), (538, 17169), (546, 17184), (581, 17259), (582, 17268), (593, 17298), (597, 17313), (598, 17316), (605, 17334), (613, 17355), (614, 17358), (644, 17397), (648, 17400), (682, 17484), (712, 17550), (723, 17571), (743, 17610), (759, 17649), (765, 17670), (774, 17700), (775, 17703), (777, 17712), (784, 17736), (808, 17805), (812, 17826), (828, 17895), (836, 17913), (852, 17961), (855, 17973), (877, 18015), (880, 18027), (893, 18075), (936, 18246), (940, 18276), (946, 18306), (950, 18327), (980, 18462), (986, 18510),

Gene: IgnatiusPatJac_23 Start: 16361, Stop: 18832, Start Num: 167

Candidate Starts for IgnatiusPatJac_23:

(Start: 167 @16361 has 215 MA's), (181, 16400), (211, 16463), (Start: 223 @16493 has 23 MA's), (229, 16514), (233, 16535), (236, 16547), (273, 16565), (303, 16655), (356, 16853), (362, 16886), (378, 16952), (440, 17207), (453, 17228), (460, 17255), (549, 17414), (575, 17450), (610, 17543), (617, 17564), (642, 17621), (687, 17741), (703, 17777), (718, 17807), (732, 17843), (757, 17909), (765, 17930), (808, 18071), (848, 18212), (857, 18233), (901, 18368), (937, 18545), (958, 18656), (970, 18722), (975, 18743), (982, 18782), (986, 18812),

Gene: Indra_29 Start: 16734, Stop: 18938, Start Num: 128

Candidate Starts for Indra_29:

(107, 16689), (Start: 128 @16734 has 47 MA's), (175, 16845), (233, 17001), (312, 17148), (316, 17160), (355, 17307), (356, 17310), (362, 17343), (382, 17433), (395, 17502), (419, 17577), (473, 17745), (670, 18003), (707, 18048), (773, 18156), (808, 18219), (819, 18261), (852, 18360), (857, 18381), (864, 18402), (872, 18423), (888, 18474), (892, 18486), (899, 18501), (919, 18582), (935, 18660),

Gene: Insomnia_26 Start: 17215, Stop: 19761, Start Num: 125

Candidate Starts for Insomnia_26:

(Start: 125 @17215 has 22 MA's), (Start: 131 @17233 has 2 MA's), (Start: 188 @17407 has 18 MA's), (192, 17416), (233, 17491), (291, 17545), (308, 17599), (313, 17614), (314, 17617), (321, 17635), (337, 17698), (341, 17710), (356, 17773), (369, 17836), (373, 17851), (376, 17860), (380, 17881), (384, 17905), (387, 17920), (408, 18007), (410, 18010), (416, 18025), (422, 18046), (424, 18058), (440, 18124), (464, 18196), (473, 18220), (503, 18301), (506, 18310), (510, 18322), (522, 18364), (562, 18421), (580, 18475), (618, 18583), (638, 18622), (698, 18763), (742, 18859), (746, 18880), (760, 18913), (773, 18946), (774, 18949), (807, 19033), (819, 19078), (820, 19081), (854, 19195), (864, 19228), (888, 19300), (902, 19336), (919, 19408), (935, 19486), (944, 19540), (949, 19564), (976, 19675),

Gene: Inyanga_23 Start: 16138, Stop: 18609, Start Num: 167

Candidate Starts for Inyanga_23:

(Start: 167 @16138 has 215 MA's), (181, 16177), (211, 16240), (Start: 223 @16270 has 23 MA's), (229, 16291), (233, 16312), (236, 16324), (273, 16342), (303, 16432), (356, 16630), (362, 16663), (378, 16729), (440, 16984), (453, 17005), (460, 17032), (549, 17191), (575, 17227), (610, 17320), (617, 17341), (642, 17398), (687, 17518), (703, 17554), (718, 17584), (732, 17620), (757, 17686), (765, 17707), (777, 17749), (808, 17848), (848, 17989), (857, 18010), (901, 18145), (937, 18322), (958, 18433), (970, 18499), (975, 18520), (982, 18559), (984, 18574),

Gene: Iqorha_23 Start: 16137, Stop: 18608, Start Num: 167

Candidate Starts for Iqorha_23:

(Start: 167 @16137 has 215 MA's), (181, 16176), (211, 16239), (Start: 223 @16269 has 23 MA's), (229, 16290), (233, 16311), (236, 16323), (273, 16341), (303, 16431), (356, 16629), (362, 16662), (378, 16728), (440, 16983), (453, 17004), (460, 17031), (549, 17190), (575, 17226), (610, 17319), (617, 17340), (642, 17397), (687, 17517), (703, 17553), (718, 17583), (732, 17619), (757, 17685), (765, 17706), (777, 17748), (808, 17847), (848, 17988), (857, 18009), (901, 18144), (937, 18321), (958, 18432), (970, 18498), (975, 18519), (982, 18558), (984, 18573),

Gene: Iracema64_26 Start: 16196, Stop: 18796, Start Num: 165

Candidate Starts for Iracema64_26:

(Start: 165 @16196 has 118 MA's), (Start: 223 @16337 has 23 MA's), (Start: 228 @16355 has 10 MA's), (266, 16511), (278, 16562), (298, 16631), (333, 16748), (341, 16775), (356, 16838), (380, 16946), (387, 16988), (405, 17072), (506, 17339), (533, 17390), (566, 17435), (595, 17513), (610, 17546), (612, 17552), (662, 17666), (686, 17720), (704, 17765), (730, 17825), (749, 17885), (785, 17999), (828, 18164), (836, 18182), (882, 18308), (943, 18560), (944, 18563), (946, 18572), (958, 18632), (980, 18728), (986, 18776),

Gene: IronMan_28 Start: 18329, Stop: 20707, Start Num: 215

Candidate Starts for IronMan_28:

(Start: 209 @18311 has 7 MA's), (Start: 215 @18329 has 5 MA's), (226, 18362), (229, 18368), (255, 18464), (264, 18506), (283, 18569), (284, 18572), (297, 18614), (315, 18662), (317, 18668), (319, 18677), (327, 18716), (338, 18752), (341, 18761), (356, 18824), (362, 18857), (373, 18902), (378, 18923), (380, 18932), (399, 19037), (442, 19178), (517, 19346), (519, 19352), (532, 19373), (533, 19376), (568, 19424), (571, 19430), (641, 19610), (736, 19820), (754, 19856), (772, 19907), (791, 19967), (798, 20000), (801, 20012), (812, 20045), (813, 20048), (863, 20186), (868, 20198), (886, 20240), (902, 20288), (905, 20294), (948, 20504),

Gene: Isca_25 Start: 15423, Stop: 18467, Start Num: 33

Candidate Starts for Isca_25:

(Start: 33 @15423 has 33 MA's), (73, 15597), (81, 15609), (174, 15852), (218, 15972), (220, 15975), (302, 16197), (321, 16242), (341, 16317), (349, 16350), (353, 16368), (356, 16380), (371, 16446), (378, 16479), (380, 16488), (387, 16530), (397, 16581), (425, 16698), (432, 16740), (447, 16794), (453, 16815), (466, 16872), (468, 16881), (498, 17007), (501, 17013), (508, 17040), (538, 17106), (546, 17121), (569, 17151), (570, 17154), (582, 17205), (586, 17217), (594, 17238), (597, 17250), (605, 17271), (618, 17307), (644, 17334), (660, 17367), (663, 17379), (682, 17421), (712, 17487), (743, 17547), (759, 17586), (774, 17637), (775, 17640), (777, 17649), (784, 17673), (808, 17742), (812, 17763), (828, 17832), (836, 17850), (852, 17898), (855, 17910), (877, 17952), (880, 17964), (893, 18012), (936, 18183), (946, 18243), (950, 18264), (980, 18399), (981, 18411), (986, 18447),

Gene: Isiphiwo_29 Start: 16726, Stop: 18930, Start Num: 128

Candidate Starts for Isiphiwo_29:

(Start: 128 @16726 has 47 MA's), (175, 16837), (176, 16843), (Start: 223 @16951 has 23 MA's), (233, 16993), (284, 17059), (316, 17152), (325, 17179), (356, 17302), (362, 17335), (382, 17425), (395, 17494), (473, 17737), (577, 17875), (670, 17995), (773, 18148), (808, 18211), (819, 18253), (852, 18352), (857, 18373), (864, 18394), (872, 18415), (888, 18466), (892, 18478), (899, 18493), (919, 18574), (935, 18652),

Gene: Iwokeuplikedis_27 Start: 16605, Stop: 18896, Start Num: 156

Candidate Starts for Iwokeuplikedis_27:

(143, 16563), (Start: 156 @16605 has 2 MA's), (168, 16623), (172, 16635), (178, 16656), (181, 16662), (Start: 223 @16758 has 23 MA's), (233, 16800), (283, 16863), (298, 16911), (307, 16932), (316,

16959), (341, 17046), (347, 17073), (356, 17109), (362, 17142), (368, 17166), (373, 17187), (376, 17196), (380, 17217), (384, 17241), (387, 17259), (444, 17457), (467, 17529), (471, 17535), (473, 17544), (495, 17592), (498, 17601), (551, 17667), (576, 17724), (673, 17913), (681, 17925), (698, 17958), (720, 18003), (739, 18054), (772, 18114), (773, 18120), (808, 18183), (852, 18324), (857, 18345), (864, 18366), (867, 18375), (872, 18387), (880, 18411), (902, 18474), (949, 18693),

Gene: JC27_26 Start: 17262, Stop: 19742, Start Num: 167

Candidate Starts for JC27_26:

(Start: 167 @17262 has 215 MA's), (181, 17301), (202, 17346), (211, 17364), (213, 17370), (Start: 223 @17394 has 23 MA's), (233, 17436), (327, 17643), (333, 17661), (356, 17751), (369, 17814), (378, 17850), (387, 17901), (537, 18285), (592, 18387), (606, 18426), (610, 18441), (614, 18453), (623, 18477), (718, 18705), (757, 18807), (765, 18828), (777, 18870), (808, 18969), (823, 19032), (892, 19251), (903, 19284), (958, 19566), (970, 19632), (975, 19653), (982, 19692), (984, 19707),

Gene: JF2_25 Start: 15174, Stop: 18218, Start Num: 33

Candidate Starts for JF2_25:

(Start: 33 @15174 has 33 MA's), (73, 15348), (81, 15360), (174, 15603), (218, 15723), (220, 15726), (302, 15948), (321, 15993), (341, 16068), (349, 16101), (353, 16119), (356, 16131), (371, 16197), (378, 16230), (380, 16239), (387, 16281), (397, 16332), (425, 16449), (432, 16491), (447, 16545), (453, 16566), (466, 16623), (468, 16632), (498, 16758), (501, 16764), (508, 16791), (538, 16857), (546, 16872), (569, 16902), (570, 16905), (582, 16956), (586, 16968), (594, 16989), (597, 17001), (605, 17022), (618, 17058), (644, 17085), (660, 17118), (663, 17130), (682, 17172), (712, 17238), (743, 17298), (759, 17337), (774, 17388), (775, 17391), (777, 17400), (784, 17424), (808, 17493), (812, 17514), (828, 17583), (836, 17601), (852, 17649), (855, 17661), (877, 17703), (880, 17715), (893, 17763), (936, 17934), (946, 17994), (950, 18015), (980, 18150), (981, 18162), (986, 18198),

Gene: JF4_25 Start: 15174, Stop: 18218, Start Num: 33

Candidate Starts for JF4_25:

(Start: 33 @15174 has 33 MA's), (73, 15348), (81, 15360), (174, 15603), (218, 15723), (220, 15726), (302, 15948), (321, 15993), (341, 16068), (349, 16101), (353, 16119), (356, 16131), (371, 16197), (378, 16230), (380, 16239), (387, 16281), (397, 16332), (425, 16449), (432, 16491), (447, 16545), (453, 16566), (466, 16623), (468, 16632), (498, 16758), (501, 16764), (508, 16791), (538, 16857), (546, 16872), (569, 16902), (570, 16905), (582, 16956), (586, 16968), (594, 16989), (597, 17001), (605, 17022), (618, 17058), (644, 17085), (660, 17118), (663, 17130), (682, 17172), (712, 17238), (743, 17298), (759, 17337), (774, 17388), (775, 17391), (777, 17400), (784, 17424), (808, 17493), (812, 17514), (828, 17583), (836, 17601), (852, 17649), (855, 17661), (877, 17703), (880, 17715), (893, 17763), (936, 17934), (946, 17994), (950, 18015), (980, 18150), (981, 18162), (986, 18198),

Gene: JHC117_27 Start: 15977, Stop: 19003, Start Num: 35

Candidate Starts for JHC117_27:

(29, 15923), (Start: 35 @15977 has 84 MA's), (57, 16091), (79, 16157), (81, 16160), (85, 16169), (97, 16205), (113, 16256), (141, 16328), (174, 16400), (218, 16520), (220, 16523), (243, 16592), (260, 16637), (299, 16730), (305, 16739), (311, 16757), (321, 16784), (337, 16847), (341, 16859), (349, 16892), (353, 16910), (366, 16976), (367, 16979), (369, 16985), (373, 17000), (376, 17009), (378, 17021), (380, 17030), (393, 17108), (397, 17123), (425, 17240), (426, 17243), (430, 17270), (432, 17282), (447, 17336), (453, 17357), (468, 17423), (475, 17462), (501, 17555), (520, 17603), (538, 17648), (570, 17696), (581, 17738), (582, 17747), (593, 17777), (594, 17780), (597, 17792), (618, 17849), (623, 17855), (644, 17876), (648, 17879), (706, 18017), (712, 18029), (743, 18089), (763, 18146), (808, 18284), (812, 18305), (817, 18329), (828, 18374), (836, 18392), (852, 18440), (855, 18452), (877, 18494), (894, 18557), (914, 18614), (927, 18683), (936, 18719), (950, 18800), (980, 18935),

Gene: JSwag_28 Start: 15741, Stop: 18095, Start Num: 134

Candidate Starts for JSwag_28:

(Start: 129 @15732 has 2 MA's), (Start: 134 @15741 has 4 MA's), (Start: 188 @15909 has 18 MA's), (310, 16149), (312, 16155), (332, 16224), (347, 16281), (380, 16425), (387, 16467), (396, 16515), (397, 16518), (428, 16629), (431, 16647), (473, 16752), (495, 16800), (563, 16905), (585, 16965), (611, 17019), (633, 17055), (646, 17079), (648, 17088), (671, 17151), (685, 17172), (692, 17187), (705, 17211), (710, 17223), (741, 17277), (746, 17298), (761, 17328), (833, 17499), (839, 17520), (872, 17604), (950, 17907), (980, 18030), (981, 18042),

Gene: Jaan_29 Start: 18718, Stop: 21096, Start Num: 215

Candidate Starts for Jaan_29:

(Start: 209 @18700 has 7 MA's), (Start: 215 @18718 has 5 MA's), (226, 18751), (229, 18757), (255, 18853), (264, 18895), (315, 19051), (319, 19066), (326, 19096), (327, 19105), (338, 19141), (341, 19150), (356, 19213), (362, 19246), (373, 19291), (378, 19312), (380, 19321), (399, 19426), (442, 19567), (517, 19735), (519, 19741), (568, 19813), (631, 19981), (641, 19999), (705, 20155), (736, 20209), (754, 20245), (772, 20296), (791, 20356), (798, 20389), (801, 20401), (812, 20434), (813, 20437), (863, 20575), (868, 20587), (886, 20629), (898, 20665), (902, 20677), (905, 20683), (948, 20893),

Gene: Jabiru_22 Start: 15139, Stop: 17952, Start Num: 1

Candidate Starts for Jabiru_22:

(Start: 1 @15139 has 39 MA's), (9, 15328), (94, 15676), (Start: 129 @15811 has 2 MA's), (132, 15817), (224, 15910), (243, 15961), (284, 15997), (315, 16087), (331, 16153), (337, 16174), (356, 16249), (362, 16282), (376, 16336), (381, 16369), (382, 16372), (384, 16381), (405, 16480), (419, 16513), (458, 16642), (561, 16807), (582, 16840), (614, 16873), (668, 16954), (678, 16966), (693, 16999), (733, 17077), (737, 17086), (763, 17152), (768, 17161), (808, 17224), (819, 17266), (839, 17338), (852, 17365), (856, 17380), (864, 17407), (872, 17428), (902, 17515), (911, 17545), (925, 17608), (943, 17707), (946, 17719), (948, 17731), (950, 17740), (980, 17887),

Gene: Jabith_26 Start: 17215, Stop: 19761, Start Num: 125

Candidate Starts for Jabith_26:

(Start: 125 @17215 has 22 MA's), (Start: 131 @17233 has 2 MA's), (Start: 188 @17407 has 18 MA's), (192, 17416), (233, 17491), (291, 17545), (308, 17599), (313, 17614), (314, 17617), (321, 17635), (337, 17698), (341, 17710), (356, 17773), (369, 17836), (373, 17851), (376, 17860), (380, 17881), (384, 17905), (387, 17920), (408, 18007), (410, 18010), (416, 18025), (422, 18046), (424, 18058), (440, 18124), (464, 18196), (473, 18220), (503, 18301), (506, 18310), (510, 18322), (522, 18364), (562, 18421), (580, 18475), (618, 18583), (638, 18622), (698, 18763), (742, 18859), (746, 18880), (760, 18913), (773, 18946), (774, 18949), (807, 19033), (819, 19078), (820, 19081), (854, 19195), (864, 19228), (888, 19300), (902, 19336), (919, 19408), (935, 19486), (944, 19540), (949, 19564), (976, 19675),

Gene: JackSparrow_25 Start: 16702, Stop: 19182, Start Num: 167

Candidate Starts for JackSparrow_25:

(Start: 167 @16702 has 215 MA's), (181, 16741), (211, 16804), (Start: 223 @16834 has 23 MA's), (233, 16876), (327, 17083), (333, 17101), (356, 17191), (369, 17254), (376, 17278), (378, 17290), (387, 17341), (537, 17725), (592, 17827), (606, 17866), (614, 17893), (623, 17917), (672, 18046), (718, 18145), (757, 18247), (765, 18268), (770, 18280), (777, 18310), (808, 18409), (823, 18472), (892, 18691), (903, 18724), (937, 18895), (958, 19006), (970, 19072), (975, 19093), (982, 19132), (986, 19162),

Gene: Jasper_25 Start: 16203, Stop: 18683, Start Num: 167

Candidate Starts for Jasper_25:

(Start: 167 @16203 has 215 MA's), (181, 16242), (211, 16305), (Start: 223 @16335 has 23 MA's), (233, 16377), (327, 16584), (333, 16602), (356, 16692), (369, 16755), (376, 16779), (378, 16791),

(387, 16842), (537, 17226), (592, 17328), (606, 17367), (614, 17394), (623, 17418), (672, 17547), (718, 17646), (757, 17748), (765, 17769), (770, 17781), (777, 17811), (807, 17907), (808, 17910), (823, 17973), (892, 18192), (903, 18225), (958, 18507), (975, 18594), (982, 18633),

Gene: Jaykayelowell_25 Start: 15881, Stop: 18481, Start Num: 165

Candidate Starts for Jaykayelowell_25:

(Start: 165 @15881 has 118 MA's), (Start: 223 @16022 has 23 MA's), (Start: 228 @16040 has 10 MA's), (278, 16247), (291, 16286), (298, 16316), (333, 16433), (341, 16460), (356, 16523), (369, 16586), (380, 16631), (387, 16673), (405, 16757), (506, 17024), (533, 17075), (566, 17120), (595, 17198), (610, 17231), (612, 17237), (658, 17333), (660, 17342), (686, 17405), (695, 17426), (705, 17453), (730, 17510), (731, 17516), (749, 17570), (765, 17618), (785, 17684), (828, 17849), (836, 17867), (882, 17993), (943, 18245), (944, 18248), (946, 18257), (958, 18317), (980, 18413), (986, 18461),

Gene: Jeeves_25 Start: 15770, Stop: 18166, Start Num: 215

Candidate Starts for Jeeves_25:

(Start: 208 @15749 has 1 MA's), (Start: 215 @15770 has 5 MA's), (255, 15905), (264, 15947), (275, 15989), (278, 16001), (315, 16115), (327, 16169), (341, 16214), (356, 16277), (362, 16310), (383, 16406), (442, 16631), (510, 16790), (533, 16829), (539, 16844), (568, 16883), (641, 17069), (754, 17315), (772, 17366), (791, 17426), (798, 17459), (801, 17471), (812, 17504), (848, 17627), (863, 17645), (868, 17657), (878, 17681), (898, 17735), (902, 17747), (926, 17852), (936, 17894), (948, 17963), (962, 18038), (981, 18104), (986, 18140),

Gene: Jeffabunny_29 Start: 16741, Stop: 18957, Start Num: 128

Candidate Starts for Jeffabunny_29:

(107, 16696), (Start: 128 @16741 has 47 MA's), (175, 16852), (233, 17008), (312, 17155), (316, 17167), (355, 17314), (356, 17317), (362, 17350), (382, 17440), (395, 17509), (419, 17584), (473, 17752), (670, 18010), (707, 18055), (773, 18163), (808, 18226), (819, 18268), (852, 18367), (857, 18388), (872, 18430), (888, 18481), (899, 18508), (919, 18589), (935, 18679),

Gene: JenCasNa_27 Start: 15978, Stop: 19004, Start Num: 35

Candidate Starts for JenCasNa_27:

(29, 15924), (Start: 35 @15978 has 84 MA's), (57, 16092), (79, 16158), (81, 16161), (85, 16170), (97, 16206), (113, 16257), (141, 16329), (174, 16401), (218, 16521), (220, 16524), (243, 16593), (260, 16638), (299, 16731), (305, 16740), (311, 16758), (321, 16785), (337, 16848), (341, 16860), (349, 16893), (353, 16911), (366, 16977), (367, 16980), (369, 16986), (373, 17001), (376, 17010), (378, 17022), (380, 17031), (393, 17109), (397, 17124), (425, 17241), (426, 17244), (430, 17271), (432, 17283), (447, 17337), (453, 17358), (468, 17424), (475, 17463), (501, 17556), (520, 17604), (538, 17649), (570, 17697), (581, 17739), (582, 17748), (593, 17778), (594, 17781), (597, 17793), (618, 17850), (623, 17856), (644, 17877), (648, 17880), (706, 18018), (712, 18030), (743, 18090), (763, 18147), (808, 18285), (812, 18306), (817, 18330), (828, 18375), (836, 18393), (852, 18441), (855, 18453), (877, 18495), (894, 18558), (914, 18615), (927, 18684), (936, 18720), (950, 18801), (980, 18936),

Gene: JeppNRM_28 Start: 16055, Stop: 19081, Start Num: 35

Candidate Starts for JeppNRM_28:

(29, 16001), (Start: 35 @16055 has 84 MA's), (57, 16169), (79, 16235), (81, 16238), (85, 16247), (97, 16283), (113, 16334), (141, 16406), (174, 16478), (218, 16598), (220, 16601), (260, 16715), (299, 16808), (305, 16817), (321, 16862), (330, 16901), (337, 16925), (341, 16937), (349, 16970), (353, 16988), (357, 17009), (367, 17057), (369, 17063), (373, 17078), (376, 17087), (378, 17099), (380, 17108), (397, 17201), (421, 17288), (425, 17318), (426, 17321), (430, 17348), (432, 17360), (447, 17414), (453, 17435), (461, 17465), (468, 17501), (498, 17627), (520, 17681), (538, 17726), (570, 17774), (581, 17816), (582, 17825), (593, 17855), (618, 17927), (623, 17933), (644, 17954), (648,

17957), (654, 17969), (702, 18086), (706, 18095), (743, 18167), (744, 18170), (759, 18206), (765, 18227), (774, 18257), (775, 18260), (777, 18269), (828, 18452), (852, 18518), (855, 18530), (877, 18572), (894, 18635), (914, 18692), (927, 18761), (936, 18797), (950, 18878), (980, 19013), (981, 19025),

Gene: Jerm_28 Start: 17056, Stop: 19599, Start Num: 120

Candidate Starts for Jerm_28:

(Start: 120 @17056 has 91 MA's), (203, 17236), (205, 17239), (216, 17269), (289, 17407), (292, 17413), (296, 17434), (299, 17443), (305, 17452), (309, 17464), (324, 17509), (328, 17530), (336, 17557), (341, 17572), (353, 17623), (362, 17668), (363, 17671), (366, 17689), (376, 17722), (378, 17734), (380, 17743), (383, 17764), (384, 17767), (425, 17953), (432, 17995), (435, 18004), (438, 18013), (453, 18070), (468, 18136), (475, 18175), (501, 18268), (515, 18304), (538, 18361), (577, 18427), (582, 18460), (587, 18475), (590, 18481), (593, 18490), (597, 18505), (605, 18526), (613, 18547), (623, 18568), (624, 18571), (644, 18589), (648, 18592), (666, 18643), (670, 18652), (694, 18700), (701, 18718), (712, 18742), (743, 18802), (753, 18829), (774, 18892), (788, 18937), (827, 19075), (881, 19165), (887, 19174), (908, 19198), (928, 19285), (935, 19315), (949, 19399),

Gene: Jerm2_25 Start: 16571, Stop: 19051, Start Num: 167

Candidate Starts for Jerm2_25:

(Start: 167 @16571 has 215 MA's), (181, 16610), (211, 16673), (Start: 223 @16703 has 23 MA's), (233, 16745), (327, 16952), (333, 16970), (356, 17060), (369, 17123), (376, 17147), (378, 17159), (387, 17210), (537, 17594), (592, 17696), (606, 17735), (610, 17750), (614, 17762), (623, 17786), (672, 17915), (718, 18014), (757, 18116), (765, 18137), (777, 18179), (808, 18278), (823, 18341), (852, 18431), (892, 18560), (903, 18593), (958, 18875), (970, 18941), (975, 18962), (982, 19001), (984, 19016),

Gene: Jester_21 Start: 12068, Stop: 15415, Start Num: 15

Candidate Starts for Jester_21:

(Start: 15 @12068 has 35 MA's), (17, 12086), (31, 12209), (37, 12230), (42, 12251), (47, 12281), (94, 12395), (126, 12491), (127, 12500), (Start: 159 @12575 has 1 MA's), (173, 12596), (180, 12617), (183, 12623), (197, 12671), (232, 12743), (238, 12770), (245, 12782), (251, 12791), (276, 12845), (296, 12905), (312, 12944), (323, 12977), (333, 13016), (337, 13031), (348, 13073), (373, 13184), (378, 13205), (380, 13214), (387, 13256), (397, 13307), (399, 13319), (420, 13391), (421, 13394), (432, 13466), (435, 13475), (448, 13523), (453, 13541), (456, 13550), (458, 13562), (467, 13604), (472, 13634), (481, 13679), (489, 13703), (504, 13748), (522, 13799), (528, 13811), (531, 13814), (538, 13832), (546, 13847), (577, 13898), (590, 13952), (603, 13994), (640, 14051), (661, 14102), (700, 14189), (738, 14267), (750, 14303), (763, 14342), (776, 14384), (779, 14393), (790, 14429), (793, 14450), (795, 14459), (798, 14465), (808, 14492), (837, 14606), (846, 14639), (868, 14681), (884, 14726), (896, 14768), (897, 14771), (915, 14843), (921, 14867), (925, 14888), (929, 14912), (933, 14930), (945, 15005), (950, 15038), (959, 15080), (979, 15176), (981, 15197), (990, 15248), (992, 15353), (994, 15371),

Gene: JetBlade_25 Start: 15882, Stop: 18482, Start Num: 165

Candidate Starts for JetBlade_25:

(Start: 165 @15882 has 118 MA's), (Start: 223 @16023 has 23 MA's), (Start: 228 @16041 has 10 MA's), (278, 16248), (291, 16287), (298, 16317), (333, 16434), (341, 16461), (356, 16524), (369, 16587), (380, 16632), (387, 16674), (405, 16758), (506, 17025), (533, 17076), (566, 17121), (595, 17199), (612, 17238), (662, 17352), (686, 17406), (704, 17451), (730, 17511), (736, 17529), (749, 17571), (765, 17619), (785, 17685), (828, 17850), (836, 17868), (882, 17994), (943, 18246), (944, 18249), (946, 18258), (958, 18318), (980, 18414), (986, 18462),

Gene: JewelBug_29 Start: 16740, Stop: 18944, Start Num: 128

Candidate Starts for JewelBug_29:

(69, 16581), (107, 16695), (Start: 128 @16740 has 47 MA's), (175, 16851), (176, 16857), (Start: 223 @16965 has 23 MA's), (233, 17007), (284, 17073), (316, 17166), (325, 17193), (356, 17316), (362, 17349), (382, 17439), (395, 17508), (473, 17751), (577, 17889), (670, 18009), (773, 18162), (808, 18225), (819, 18267), (852, 18366), (857, 18387), (864, 18408), (872, 18429), (888, 18480), (892, 18492), (899, 18507), (919, 18588), (935, 18666),

Gene: Jiawan_26 Start: 17626, Stop: 20535, Start Num: 51

Candidate Starts for Jiawan_26:

(Start: 51 @17626 has 33 MA's), (54, 17638), (70, 17698), (127, 17857), (153, 17920), (182, 17983), (194, 18025), (220, 18082), (233, 18121), (301, 18292), (305, 18298), (310, 18313), (336, 18403), (337, 18406), (341, 18418), (352, 18460), (362, 18514), (380, 18589), (383, 18610), (384, 18613), (387, 18631), (399, 18694), (419, 18760), (425, 18799), (429, 18826), (432, 18841), (440, 18871), (447, 18895), (450, 18907), (453, 18916), (468, 18982), (475, 19021), (493, 19087), (501, 19114), (508, 19141), (538, 19207), (569, 19252), (590, 19327), (605, 19372), (613, 19393), (623, 19414), (624, 19417), (644, 19435), (648, 19438), (659, 19465), (694, 19546), (774, 19738), (778, 19753), (788, 19783), (805, 19834), (827, 19921), (830, 19930), (846, 19981), (877, 20044), (882, 20065), (893, 20101), (908, 20137), (909, 20143), (927, 20221), (934, 20248), (944, 20308), (958, 20377), (962, 20407), (968, 20434), (981, 20473), (987, 20515),

Gene: Jobu08_27 Start: 16051, Stop: 19077, Start Num: 35

Candidate Starts for Jobu08_27:

(29, 15997), (Start: 35 @16051 has 84 MA's), (57, 16165), (79, 16231), (81, 16234), (85, 16243), (97, 16279), (113, 16330), (141, 16402), (174, 16474), (218, 16594), (220, 16597), (243, 16666), (260, 16711), (299, 16804), (305, 16813), (321, 16858), (337, 16921), (341, 16933), (349, 16966), (353, 16984), (366, 17050), (367, 17053), (369, 17059), (373, 17074), (376, 17083), (378, 17095), (380, 17104), (397, 17197), (421, 17284), (425, 17314), (426, 17317), (430, 17344), (432, 17356), (447, 17410), (453, 17431), (461, 17461), (468, 17497), (520, 17677), (538, 17722), (570, 17770), (581, 17812), (582, 17821), (593, 17851), (618, 17923), (644, 17950), (648, 17953), (654, 17965), (702, 18082), (706, 18091), (712, 18103), (743, 18163), (765, 18223), (774, 18253), (775, 18256), (777, 18265), (808, 18358), (828, 18448), (852, 18514), (855, 18526), (877, 18568), (894, 18631), (914, 18688), (927, 18757), (936, 18793), (950, 18874), (980, 19009),

Gene: JoongJeon_25 Start: 15885, Stop: 18485, Start Num: 165

Candidate Starts for JoongJeon_25:

(Start: 165 @15885 has 118 MA's), (Start: 223 @16026 has 23 MA's), (Start: 228 @16044 has 10 MA's), (278, 16251), (291, 16290), (298, 16320), (333, 16437), (341, 16464), (356, 16527), (369, 16590), (380, 16635), (387, 16677), (405, 16761), (506, 17028), (533, 17079), (566, 17124), (595, 17202), (612, 17241), (686, 17409), (695, 17430), (704, 17454), (731, 17520), (749, 17574), (765, 17622), (785, 17688), (828, 17853), (836, 17871), (882, 17997), (943, 18249), (944, 18252), (946, 18261), (958, 18321), (980, 18417), (986, 18465),

Gene: Jordennis_29 Start: 16725, Stop: 18929, Start Num: 128

Candidate Starts for Jordennis_29:

(69, 16566), (107, 16680), (Start: 128 @16725 has 47 MA's), (175, 16836), (Start: 223 @16950 has 23 MA's), (233, 16992), (304, 17115), (316, 17151), (325, 17178), (356, 17301), (362, 17334), (382, 17424), (395, 17493), (473, 17736), (577, 17874), (670, 17994), (773, 18147), (808, 18210), (819, 18252), (852, 18351), (857, 18372), (864, 18393), (872, 18414), (888, 18465), (892, 18477), (899, 18492), (919, 18573), (935, 18651),

Gene: Jorgensen_24 Start: 16158, Stop: 18737, Start Num: 167

Candidate Starts for Jorgensen_24:

(Start: 167 @16158 has 215 MA's), (181, 16197), (211, 16260), (Start: 223 @16290 has 23 MA's), (273, 16374), (328, 16545), (369, 16713), (380, 16758), (384, 16782), (387, 16800), (482, 17112),

(559, 17268), (588, 17370), (599, 17403), (624, 17475), (642, 17514), (672, 17601), (718, 17700), (757, 17802), (765, 17823), (770, 17835), (777, 17865), (808, 17964), (823, 18027), (892, 18246), (903, 18279), (937, 18450), (958, 18561), (970, 18627), (975, 18648), (982, 18687), (984, 18702),

Gene: Joselito_26 Start: 17163, Stop: 19709, Start Num: 125

Candidate Starts for Joselito_26:

(Start: 125 @17163 has 22 MA's), (Start: 131 @17181 has 2 MA's), (Start: 188 @17355 has 18 MA's), (192, 17364), (233, 17439), (291, 17493), (308, 17547), (313, 17562), (314, 17565), (321, 17583), (337, 17646), (341, 17658), (356, 17721), (369, 17784), (373, 17799), (376, 17808), (380, 17829), (384, 17853), (387, 17868), (408, 17955), (410, 17958), (416, 17973), (422, 17994), (424, 18006), (440, 18072), (462, 18135), (464, 18144), (473, 18168), (503, 18249), (506, 18258), (510, 18270), (522, 18312), (562, 18369), (580, 18423), (618, 18531), (638, 18570), (698, 18711), (742, 18807), (746, 18828), (760, 18861), (773, 18894), (774, 18897), (807, 18981), (819, 19026), (820, 19029), (854, 19143), (864, 19176), (902, 19284), (919, 19356), (935, 19434), (944, 19488), (949, 19512), (976, 19623),

Gene: JoshKayV_28 Start: 17026, Stop: 19569, Start Num: 120

Candidate Starts for JoshKayV_28:

(Start: 120 @17026 has 91 MA's), (200, 17203), (203, 17206), (205, 17209), (216, 17239), (292, 17383), (296, 17404), (299, 17413), (309, 17434), (321, 17467), (328, 17500), (353, 17593), (362, 17638), (363, 17641), (366, 17659), (376, 17692), (378, 17704), (380, 17713), (383, 17734), (384, 17737), (425, 17923), (432, 17965), (435, 17974), (438, 17983), (453, 18040), (468, 18106), (475, 18145), (522, 18298), (590, 18451), (593, 18460), (595, 18466), (597, 18475), (605, 18496), (614, 18520), (624, 18541), (648, 18562), (662, 18601), (666, 18613), (712, 18712), (743, 18772), (753, 18799), (774, 18862), (788, 18907), (803, 18955), (827, 19045), (835, 19057), (879, 19126), (881, 19135), (887, 19144), (928, 19255), (935, 19285), (949, 19369),

Gene: Journey13_24 Start: 15775, Stop: 18291, Start Num: 120

Candidate Starts for Journey13_24:

(Start: 120 @15775 has 91 MA's), (175, 15886), (200, 15952), (203, 15955), (281, 16072), (305, 16156), (308, 16165), (321, 16201), (341, 16276), (353, 16327), (364, 16384), (367, 16396), (369, 16402), (371, 16405), (373, 16417), (378, 16438), (380, 16447), (399, 16552), (402, 16561), (409, 16585), (418, 16615), (425, 16657), (447, 16753), (453, 16774), (463, 16819), (468, 16840), (505, 16990), (531, 17047), (538, 17065), (546, 17080), (568, 17107), (570, 17113), (582, 17164), (590, 17185), (595, 17200), (597, 17209), (605, 17230), (623, 17272), (648, 17296), (662, 17335), (670, 17356), (673, 17362), (706, 17434), (743, 17506), (744, 17509), (753, 17533), (763, 17563), (774, 17596), (792, 17653), (803, 17689), (817, 17737), (835, 17791), (867, 17830), (871, 17842), (879, 17857), (881, 17866), (887, 17875), (920, 17956), (928, 17986), (935, 18016), (949, 18094),

Gene: Jovo_22 Start: 15350, Stop: 18691, Start Num: 1

Candidate Starts for Jovo_22:

(Start: 1 @15350 has 39 MA's), (32, 15788), (Start: 129 @16100 has 2 MA's), (152, 16178), (Start: 161 @16208 has 8 MA's), (184, 16265), (236, 16412), (240, 16418), (243, 16424), (312, 16550), (316, 16562), (356, 16712), (363, 16748), (369, 16778), (373, 16793), (380, 16823), (381, 16835), (386, 16859), (399, 16928), (423, 16994), (473, 17150), (506, 17219), (507, 17222), (524, 17249), (541, 17273), (589, 17411), (598, 17432), (614, 17477), (634, 17519), (722, 17711), (731, 17741), (742, 17765), (745, 17777), (751, 17798), (768, 17840), (794, 17927), (808, 17963), (812, 17984), (819, 18005), (843, 18083), (852, 18104), (857, 18125), (864, 18146), (872, 18167), (880, 18191), (902, 18254), (925, 18347), (928, 18365), (943, 18446), (946, 18458), (948, 18470), (950, 18479), (961, 18533), (979, 18617), (980, 18626),

Gene: Jsquared_25 Start: 15543, Stop: 18056, Start Num: 120

Candidate Starts for Jsquared_25:

(Start: 120 @15543 has 91 MA's), (175, 15654), (200, 15720), (203, 15723), (205, 15726), (296, 15912), (299, 15921), (305, 15930), (341, 16050), (353, 16101), (364, 16158), (367, 16170), (369, 16176), (373, 16191), (378, 16212), (380, 16221), (388, 16269), (425, 16431), (430, 16461), (432, 16473), (443, 16512), (447, 16527), (453, 16548), (466, 16605), (468, 16614), (472, 16641), (498, 16740), (538, 16839), (546, 16854), (570, 16887), (578, 16917), (582, 16938), (590, 16959), (605, 17004), (644, 17067), (648, 17070), (662, 17109), (666, 17121), (673, 17136), (712, 17220), (743, 17280), (753, 17307), (774, 17370), (778, 17385), (788, 17415), (817, 17511), (842, 17577), (881, 17640), (944, 17835), (945, 17838), (949, 17859),

Gene: JuliaChild_26 Start: 16832, Stop: 19303, Start Num: 167

Candidate Starts for JuliaChild_26:

(Start: 167 @16832 has 215 MA's), (181, 16871), (211, 16934), (Start: 223 @16964 has 23 MA's), (229, 16985), (233, 17006), (236, 17018), (273, 17036), (303, 17126), (356, 17324), (362, 17357), (378, 17423), (440, 17678), (453, 17699), (460, 17726), (549, 17885), (575, 17921), (610, 18014), (617, 18035), (642, 18092), (687, 18212), (703, 18248), (718, 18278), (732, 18314), (757, 18380), (765, 18401), (808, 18542), (848, 18683), (857, 18704), (901, 18839), (937, 19016), (958, 19127), (970, 19193), (975, 19214), (982, 19253), (984, 19268),

Gene: KADY_28 Start: 16063, Stop: 19089, Start Num: 35

Candidate Starts for KADY_28:

(29, 16009), (Start: 35 @16063 has 84 MA's), (57, 16177), (79, 16243), (81, 16246), (85, 16255), (97, 16291), (113, 16342), (141, 16414), (174, 16486), (218, 16606), (220, 16609), (243, 16678), (260, 16723), (299, 16816), (305, 16825), (311, 16843), (321, 16870), (337, 16933), (341, 16945), (349, 16978), (353, 16996), (366, 17062), (367, 17065), (369, 17071), (373, 17086), (376, 17095), (378, 17107), (380, 17116), (393, 17194), (397, 17209), (425, 17326), (426, 17329), (430, 17356), (432, 17368), (447, 17422), (453, 17443), (468, 17509), (475, 17548), (501, 17641), (520, 17689), (538, 17734), (570, 17782), (581, 17824), (582, 17833), (593, 17863), (594, 17866), (597, 17878), (618, 17935), (623, 17941), (644, 17962), (648, 17965), (706, 18103), (712, 18115), (743, 18175), (763, 18232), (808, 18370), (812, 18391), (817, 18415), (828, 18460), (836, 18478), (852, 18526), (855, 18538), (877, 18580), (894, 18643), (914, 18700), (927, 18769), (936, 18805), (950, 18886), (980, 19021),

Gene: KBG_25 Start: 17265, Stop: 19736, Start Num: 167

Candidate Starts for KBG_25:

(Start: 167 @17265 has 215 MA's), (181, 17304), (211, 17367), (Start: 223 @17397 has 23 MA's), (229, 17418), (233, 17439), (273, 17469), (280, 17493), (303, 17559), (356, 17757), (362, 17790), (378, 17856), (440, 18111), (453, 18132), (460, 18159), (549, 18318), (575, 18354), (610, 18447), (617, 18468), (623, 18483), (630, 18504), (632, 18507), (659, 18576), (672, 18612), (687, 18645), (703, 18681), (718, 18711), (732, 18747), (757, 18813), (765, 18834), (808, 18975), (848, 19116), (857, 19137), (901, 19272), (937, 19449), (958, 19560), (970, 19626), (975, 19647), (982, 19686), (984, 19701),

Gene: KFPoly_25 Start: 15885, Stop: 18485, Start Num: 165

Candidate Starts for KFPoly_25:

(Start: 165 @15885 has 118 MA's), (Start: 223 @16026 has 23 MA's), (Start: 228 @16044 has 10 MA's), (278, 16251), (291, 16290), (298, 16320), (333, 16437), (341, 16464), (356, 16527), (369, 16590), (380, 16635), (387, 16677), (405, 16761), (506, 17028), (533, 17079), (566, 17124), (595, 17202), (610, 17235), (612, 17241), (619, 17262), (686, 17409), (695, 17430), (704, 17454), (731, 17520), (749, 17574), (765, 17622), (785, 17688), (828, 17853), (836, 17871), (882, 17997), (943, 18249), (944, 18252), (946, 18261), (958, 18321), (980, 18417), (986, 18465),

Gene: KSSJEB_24 Start: 16162, Stop: 18630, Start Num: 167

Candidate Starts for KSSJEB_24:

(Start: 167 @16162 has 215 MA's), (174, 16177), (Start: 223 @16291 has 23 MA's), (229, 16312), (233, 16333), (273, 16363), (280, 16387), (288, 16408), (303, 16453), (356, 16651), (362, 16684), (378, 16750), (440, 17005), (453, 17026), (460, 17053), (549, 17212), (575, 17248), (610, 17341), (617, 17362), (623, 17377), (630, 17398), (632, 17401), (659, 17470), (672, 17506), (687, 17539), (703, 17575), (718, 17605), (732, 17641), (757, 17707), (765, 17728), (777, 17770), (808, 17869), (848, 18010), (857, 18031), (901, 18166), (937, 18343), (958, 18454), (975, 18541), (982, 18580), (986, 18610),

Gene: Kachowdy_25 Start: 15548, Stop: 18586, Start Num: 33

Candidate Starts for Kachowdy_25:

(Start: 33 @15548 has 33 MA's), (73, 15722), (81, 15734), (92, 15767), (174, 15977), (220, 16100), (226, 16121), (299, 16307), (309, 16328), (321, 16361), (337, 16424), (341, 16436), (349, 16469), (353, 16487), (367, 16556), (369, 16562), (373, 16577), (376, 16586), (378, 16598), (380, 16607), (397, 16700), (425, 16817), (426, 16820), (430, 16847), (432, 16859), (447, 16913), (453, 16934), (458, 16955), (468, 17000), (475, 17039), (501, 17132), (520, 17180), (538, 17225), (546, 17240), (581, 17315), (582, 17324), (586, 17336), (593, 17354), (597, 17369), (618, 17426), (644, 17453), (648, 17456), (658, 17477), (712, 17606), (723, 17627), (743, 17666), (759, 17705), (765, 17726), (774, 17756), (775, 17759), (777, 17768), (784, 17792), (808, 17861), (812, 17882), (828, 17951), (836, 17969), (852, 18017), (855, 18029), (877, 18071), (880, 18083), (893, 18131), (936, 18302), (940, 18332), (946, 18362), (950, 18383), (980, 18518), (981, 18530), (986, 18566),

Gene: Kalb97_28 Start: 16056, Stop: 19082, Start Num: 35

Candidate Starts for Kalb97_28:

(29, 16002), (Start: 35 @16056 has 84 MA's), (57, 16170), (79, 16236), (81, 16239), (85, 16248), (97, 16284), (113, 16335), (141, 16407), (174, 16479), (218, 16599), (220, 16602), (243, 16671), (260, 16716), (299, 16809), (305, 16818), (321, 16863), (330, 16902), (337, 16926), (341, 16938), (349, 16971), (353, 16989), (357, 17010), (367, 17058), (369, 17064), (373, 17079), (376, 17088), (378, 17100), (380, 17109), (397, 17202), (421, 17289), (425, 17319), (426, 17322), (430, 17349), (432, 17361), (447, 17415), (453, 17436), (461, 17466), (468, 17502), (498, 17628), (520, 17682), (538, 17727), (570, 17775), (581, 17817), (582, 17826), (593, 17856), (618, 17928), (623, 17934), (644, 17955), (648, 17958), (654, 17970), (702, 18087), (706, 18096), (743, 18168), (744, 18171), (759, 18207), (774, 18258), (775, 18261), (777, 18270), (828, 18453), (852, 18519), (855, 18531), (877, 18573), (894, 18636), (914, 18693), (927, 18762), (936, 18798), (950, 18879), (980, 19014), (981, 19026),

Gene: Kalnoky_28 Start: 16057, Stop: 19083, Start Num: 35

Candidate Starts for Kalnoky_28:

(29, 16003), (Start: 35 @16057 has 84 MA's), (57, 16171), (79, 16237), (81, 16240), (85, 16249), (97, 16285), (113, 16336), (141, 16408), (174, 16480), (218, 16600), (220, 16603), (243, 16672), (260, 16717), (299, 16810), (305, 16819), (321, 16864), (330, 16903), (337, 16927), (341, 16939), (349, 16972), (353, 16990), (357, 17011), (367, 17059), (369, 17065), (373, 17080), (376, 17089), (378, 17101), (380, 17110), (397, 17203), (421, 17290), (425, 17320), (426, 17323), (430, 17350), (432, 17362), (447, 17416), (453, 17437), (461, 17467), (468, 17503), (498, 17629), (520, 17683), (538, 17728), (570, 17776), (581, 17818), (582, 17827), (593, 17857), (618, 17929), (623, 17935), (644, 17956), (648, 17959), (654, 17971), (702, 18088), (706, 18097), (743, 18169), (744, 18172), (759, 18208), (774, 18259), (775, 18262), (777, 18271), (828, 18454), (852, 18520), (855, 18532), (877, 18574), (894, 18637), (914, 18694), (927, 18763), (936, 18799), (950, 18880), (980, 19015), (981, 19027),

Gene: Kalpine_29 Start: 18405, Stop: 20942, Start Num: 120

Candidate Starts for Kalpine_29:

(Start: 120 @18405 has 91 MA's), (175, 18516), (203, 18585), (289, 18750), (292, 18756), (296, 18777), (299, 18786), (317, 18831), (321, 18840), (328, 18873), (336, 18900), (341, 18915), (352,

18957), (353, 18966), (363, 19014), (366, 19032), (373, 19056), (376, 19065), (380, 19086), (383, 19107), (384, 19110), (425, 19296), (432, 19338), (438, 19356), (450, 19404), (453, 19413), (468, 19479), (475, 19518), (516, 19650), (538, 19704), (570, 19752), (590, 19824), (595, 19839), (605, 19869), (624, 19914), (648, 19935), (662, 19974), (673, 20001), (694, 20043), (712, 20085), (743, 20145), (753, 20172), (774, 20235), (788, 20280), (792, 20292), (879, 20499), (881, 20508), (887, 20517), (928, 20628), (935, 20658), (948, 20739), (949, 20742),

Gene: Kamy_25 Start: 15883, Stop: 18483, Start Num: 165

Candidate Starts for Kamy_25:

(Start: 165 @15883 has 118 MA's), (Start: 223 @16024 has 23 MA's), (Start: 228 @16042 has 10 MA's), (278, 16249), (291, 16288), (298, 16318), (333, 16435), (341, 16462), (356, 16525), (369, 16588), (380, 16633), (387, 16675), (405, 16759), (506, 17026), (533, 17077), (566, 17122), (595, 17200), (612, 17239), (619, 17260), (686, 17407), (695, 17428), (704, 17452), (731, 17518), (749, 17572), (765, 17620), (785, 17686), (828, 17851), (836, 17869), (882, 17995), (943, 18247), (944, 18250), (946, 18259), (958, 18319), (980, 18415), (986, 18463),

Gene: Kanely_25 Start: 16938, Stop: 19418, Start Num: 167

Candidate Starts for Kanely_25:

(Start: 167 @16938 has 215 MA's), (181, 16977), (211, 17040), (213, 17046), (Start: 223 @17070 has 23 MA's), (233, 17112), (327, 17319), (333, 17337), (356, 17427), (369, 17490), (376, 17514), (378, 17526), (387, 17577), (537, 17961), (592, 18063), (606, 18102), (614, 18129), (623, 18153), (672, 18282), (718, 18381), (757, 18483), (765, 18504), (770, 18516), (777, 18546), (808, 18645), (823, 18708), (892, 18927), (903, 18960), (958, 19242), (970, 19308), (975, 19329), (982, 19368), (984, 19383),

Gene: Katalie136_25 Start: 15885, Stop: 18485, Start Num: 165

Candidate Starts for Katalie136_25:

(Start: 165 @15885 has 118 MA's), (266, 16200), (271, 16227), (284, 16275), (304, 16332), (333, 16437), (337, 16452), (341, 16464), (356, 16527), (380, 16635), (383, 16656), (387, 16677), (533, 17079), (565, 17121), (566, 17124), (610, 17235), (612, 17241), (669, 17373), (686, 17409), (705, 17457), (749, 17574), (785, 17688), (828, 17853), (836, 17871), (878, 17985), (882, 17997), (913, 18087), (931, 18180), (944, 18252), (946, 18261), (958, 18321), (960, 18330), (980, 18417), (986, 18465),

Gene: KatherineG_28 Start: 16045, Stop: 18231, Start Num: 188

Candidate Starts for KatherineG_28:

(Start: 129 @15868 has 2 MA's), (Start: 134 @15877 has 4 MA's), (Start: 188 @16045 has 18 MA's), (310, 16285), (312, 16291), (332, 16360), (347, 16417), (378, 16552), (380, 16561), (387, 16603), (396, 16651), (397, 16654), (428, 16765), (431, 16783), (473, 16888), (495, 16936), (563, 17041), (585, 17101), (611, 17155), (633, 17191), (646, 17215), (648, 17224), (671, 17287), (685, 17308), (692, 17323), (705, 17347), (710, 17359), (741, 17413), (746, 17434), (761, 17464), (833, 17635), (839, 17656), (872, 17740), (950, 18043), (980, 18166), (981, 18178),

Gene: Kazan_29 Start: 16741, Stop: 18945, Start Num: 128

Candidate Starts for Kazan_29:

(69, 16582), (107, 16696), (Start: 128 @16741 has 47 MA's), (175, 16852), (176, 16858), (Start: 223 @16966 has 23 MA's), (233, 17008), (284, 17074), (316, 17167), (325, 17194), (356, 17317), (362, 17350), (382, 17440), (395, 17509), (473, 17752), (577, 17890), (670, 18010), (773, 18163), (808, 18226), (819, 18268), (852, 18367), (857, 18388), (864, 18409), (872, 18430), (888, 18481), (892, 18493), (899, 18508), (919, 18589), (935, 18667),

Gene: KekoraPapaka_24 Start: 16044, Stop: 18485, Start Num: 228

Candidate Starts for KekoraPapaka_24:

(Start: 165 @15885 has 118 MA's), (Start: 223 @16026 has 23 MA's), (Start: 228 @16044 has 10 MA's), (278, 16251), (291, 16290), (298, 16320), (333, 16437), (341, 16464), (356, 16527), (369, 16590), (380, 16635), (387, 16677), (405, 16761), (506, 17028), (533, 17079), (566, 17124), (595, 17202), (612, 17241), (662, 17355), (686, 17409), (704, 17454), (730, 17514), (736, 17532), (749, 17574), (765, 17622), (785, 17688), (828, 17853), (836, 17871), (882, 17997), (943, 18249), (944, 18252), (946, 18261), (958, 18321), (980, 18417), (986, 18465),

Gene: Kenmech_27 Start: 17747, Stop: 20146, Start Num: 167

Candidate Starts for Kenmech_27:

(Start: 167 @17747 has 215 MA's), (181, 17786), (211, 17849), (Start: 223 @17879 has 23 MA's), (229, 17900), (233, 17921), (236, 17933), (246, 17951), (288, 17996), (303, 18041), (356, 18239), (362, 18272), (378, 18338), (452, 18593), (459, 18614), (464, 18641), (483, 18680), (537, 18737), (567, 18767), (645, 18929), (711, 19082), (718, 19094), (726, 19109), (763, 19226), (777, 19271), (782, 19292), (784, 19295), (823, 19445), (828, 19460), (848, 19526), (864, 19568), (923, 19778), (937, 19859), (958, 19970), (975, 20057), (982, 20096), (984, 20111),

Gene: Kerberos_29 Start: 16508, Stop: 19021, Start Num: 120

Candidate Starts for Kerberos_29:

(Start: 120 @16508 has 91 MA's), (203, 16688), (205, 16691), (321, 16937), (336, 16997), (341, 17012), (348, 17042), (349, 17045), (366, 17129), (373, 17153), (379, 17177), (383, 17204), (384, 17207), (404, 17312), (425, 17393), (429, 17420), (432, 17435), (447, 17489), (453, 17510), (468, 17576), (470, 17594), (472, 17603), (498, 17702), (508, 17735), (515, 17744), (538, 17801), (546, 17816), (590, 17921), (597, 17945), (648, 18032), (654, 18044), (657, 18050), (666, 18083), (723, 18203), (774, 18332), (778, 18347), (788, 18377), (792, 18389), (803, 18425), (842, 18539), (856, 18551), (879, 18593), (945, 18800), (948, 18818), (949, 18821), (989, 19007),

Gene: Keziacharles14_25 Start: 15713, Stop: 18619, Start Num: 51

Candidate Starts for Keziacharles14_25:

(Start: 51 @15713 has 33 MA's), (54, 15725), (98, 15860), (153, 16007), (175, 16049), (182, 16070), (194, 16112), (218, 16166), (220, 16169), (301, 16379), (305, 16385), (326, 16451), (337, 16493), (341, 16505), (351, 16544), (362, 16601), (380, 16676), (383, 16697), (384, 16700), (387, 16718), (419, 16847), (425, 16886), (427, 16898), (429, 16913), (432, 16928), (440, 16958), (447, 16982), (453, 17003), (468, 17069), (475, 17108), (492, 17171), (501, 17201), (508, 17228), (520, 17249), (540, 17297), (570, 17342), (586, 17405), (591, 17417), (595, 17429), (605, 17459), (618, 17495), (623, 17501), (644, 17522), (648, 17525), (654, 17537), (676, 17594), (684, 17612), (690, 17627), (691, 17630), (712, 17675), (774, 17825), (788, 17870), (822, 17987), (828, 18011), (840, 18050), (877, 18131), (882, 18152), (909, 18227), (927, 18305), (934, 18332), (936, 18341), (962, 18491), (981, 18557),

Gene: KikiBouba_26 Start: 17196, Stop: 19667, Start Num: 167

Candidate Starts for KikiBouba_26:

(Start: 167 @17196 has 215 MA's), (181, 17235), (211, 17298), (Start: 223 @17328 has 23 MA's), (229, 17349), (233, 17370), (236, 17382), (273, 17400), (280, 17424), (303, 17490), (356, 17688), (362, 17721), (378, 17787), (440, 18042), (453, 18063), (460, 18090), (498, 18186), (533, 18216), (549, 18249), (575, 18285), (610, 18378), (617, 18399), (642, 18456), (687, 18576), (703, 18612), (718, 18642), (732, 18678), (757, 18744), (765, 18765), (777, 18807), (808, 18906), (848, 19047), (857, 19068), (901, 19203), (958, 19491), (975, 19578), (982, 19617),

Gene: Killigrew_22 Start: 15859, Stop: 18330, Start Num: 170

Candidate Starts for Killigrew_22:

(Start: 170 @15859 has 1 MA's), (174, 15874), (Start: 223 @15988 has 23 MA's), (233, 16030), (327, 16231), (333, 16249), (356, 16339), (369, 16402), (376, 16426), (378, 16438), (387, 16489), (422, 16615), (537, 16873), (592, 16975), (606, 17014), (610, 17029), (614, 17041), (623, 17065), (654,

17140), (718, 17293), (757, 17395), (765, 17416), (777, 17458), (807, 17554), (808, 17557), (823, 17620), (892, 17839), (903, 17872), (958, 18154), (970, 18220), (975, 18241), (982, 18280), (986, 18310),

Gene: Kimba_26 Start: 17215, Stop: 19761, Start Num: 125

Candidate Starts for Kimba_26:

(Start: 125 @17215 has 22 MA's), (Start: 131 @17233 has 2 MA's), (Start: 188 @17407 has 18 MA's), (192, 17416), (233, 17491), (291, 17545), (308, 17599), (313, 17614), (314, 17617), (321, 17635), (337, 17698), (341, 17710), (356, 17773), (369, 17836), (373, 17851), (376, 17860), (380, 17881), (384, 17905), (387, 17920), (408, 18007), (410, 18010), (416, 18025), (422, 18046), (424, 18058), (440, 18124), (464, 18196), (473, 18220), (503, 18301), (506, 18310), (510, 18322), (522, 18364), (562, 18421), (580, 18475), (618, 18583), (638, 18622), (698, 18763), (742, 18859), (746, 18880), (760, 18913), (773, 18946), (774, 18949), (807, 19033), (819, 19078), (820, 19081), (854, 19195), (864, 19228), (888, 19300), (902, 19336), (919, 19408), (935, 19486), (944, 19540), (949, 19564), (976, 19675),

Gene: Kimona_22 Start: 13439, Stop: 16474, Start Num: 35

Candidate Starts for Kimona_22:

(Start: 35 @13439 has 84 MA's), (73, 13607), (81, 13619), (97, 13670), (174, 13862), (220, 13985), (243, 14054), (262, 14105), (309, 14216), (321, 14249), (336, 14309), (341, 14324), (349, 14357), (371, 14453), (376, 14474), (377, 14480), (380, 14495), (387, 14537), (397, 14588), (399, 14600), (407, 14630), (425, 14705), (429, 14732), (432, 14747), (447, 14801), (453, 14822), (466, 14879), (468, 14888), (472, 14915), (473, 14918), (477, 14939), (485, 14972), (501, 15020), (535, 15104), (546, 15128), (566, 15146), (570, 15161), (582, 15212), (586, 15224), (587, 15227), (593, 15242), (594, 15245), (597, 15257), (605, 15278), (607, 15281), (618, 15314), (623, 15320), (644, 15341), (648, 15344), (658, 15365), (682, 15428), (712, 15494), (763, 15611), (784, 15680), (808, 15749), (817, 15794), (822, 15815), (828, 15839), (836, 15857), (852, 15905), (855, 15917), (877, 15959), (880, 15971), (893, 16019), (936, 16190), (948, 16262), (950, 16271), (963, 16343), (982, 16424), (986, 16454),

Gene: KingCyrus_28 Start: 17023, Stop: 19566, Start Num: 120

Candidate Starts for KingCyrus_28:

(Start: 120 @17023 has 91 MA's), (200, 17200), (203, 17203), (205, 17206), (287, 17371), (292, 17380), (296, 17401), (299, 17410), (309, 17431), (321, 17464), (328, 17497), (341, 17539), (353, 17590), (362, 17635), (363, 17638), (366, 17656), (376, 17689), (378, 17701), (380, 17710), (383, 17731), (384, 17734), (425, 17920), (432, 17962), (435, 17971), (438, 17980), (453, 18037), (468, 18103), (475, 18142), (501, 18235), (515, 18271), (538, 18328), (577, 18394), (582, 18427), (587, 18442), (590, 18448), (593, 18457), (597, 18472), (605, 18493), (613, 18514), (623, 18535), (624, 18538), (644, 18556), (648, 18559), (662, 18598), (666, 18610), (694, 18667), (701, 18685), (712, 18709), (743, 18769), (753, 18796), (774, 18859), (827, 19042), (879, 19123), (881, 19132), (887, 19141), (928, 19252), (935, 19282), (949, 19366),

Gene: Kingmustik0402_25 Start: 15877, Stop: 18477, Start Num: 165

Candidate Starts for Kingmustik0402_25:

(Start: 165 @15877 has 118 MA's), (Start: 223 @16018 has 23 MA's), (Start: 228 @16036 has 10 MA's), (278, 16243), (291, 16282), (298, 16312), (325, 16396), (333, 16429), (341, 16456), (356, 16519), (369, 16582), (380, 16627), (387, 16669), (405, 16753), (506, 17020), (533, 17071), (566, 17116), (595, 17194), (612, 17233), (686, 17401), (695, 17422), (704, 17446), (731, 17512), (749, 17566), (765, 17614), (785, 17680), (828, 17845), (836, 17863), (882, 17989), (943, 18241), (944, 18244), (946, 18253), (958, 18313), (980, 18409), (986, 18457),

Gene: Kinmap_26 Start: 16407, Stop: 18590, Start Num: 156

Candidate Starts for Kinmap_26:

(Start: 156 @16407 has 2 MA's), (168, 16425), (Start: 223 @16560 has 23 MA's), (304, 16725), (310, 16743), (356, 16911), (362, 16944), (376, 16998), (378, 17010), (382, 17034), (405, 17145), (482, 17328), (596, 17502), (601, 17520), (649, 17583), (735, 17760), (771, 17826), (773, 17835), (808, 17898), (839, 18012), (841, 18015), (852, 18039), (857, 18060), (867, 18090), (872, 18102), (945, 18369), (949, 18390), (958, 18435), (980, 18519),

Gene: Kipper29_29 Start: 16735, Stop: 18939, Start Num: 128

Candidate Starts for Kipper29_29:

(69, 16576), (107, 16690), (Start: 128 @16735 has 47 MA's), (175, 16846), (176, 16852), (Start: 223 @16960 has 23 MA's), (233, 17002), (284, 17068), (316, 17161), (325, 17188), (356, 17311), (362, 17344), (382, 17434), (395, 17503), (473, 17746), (577, 17884), (670, 18004), (773, 18157), (808, 18220), (819, 18262), (852, 18361), (857, 18382), (864, 18403), (872, 18424), (888, 18475), (892, 18487), (899, 18502), (919, 18583), (935, 18661),

Gene: KittenMittens_24 Start: 13965, Stop: 16520, Start Num: 228

Candidate Starts for KittenMittens_24:

(Start: 161 @13788 has 8 MA's), (Start: 228 @13965 has 10 MA's), (247, 14040), (252, 14052), (294, 14214), (302, 14235), (306, 14247), (315, 14277), (323, 14310), (334, 14355), (340, 14373), (343, 14388), (344, 14397), (351, 14418), (370, 14523), (378, 14565), (414, 14730), (457, 14892), (462, 14919), (547, 15096), (571, 15141), (594, 15216), (611, 15264), (612, 15267), (619, 15288), (622, 15291), (643, 15336), (670, 15411), (672, 15414), (680, 15435), (692, 15459), (722, 15525), (731, 15555), (736, 15567), (753, 15621), (763, 15654), (770, 15669), (785, 15723), (808, 15798), (824, 15876), (828, 15888), (836, 15906), (847, 15945), (854, 15957), (857, 15969), (874, 16011), (878, 16023), (882, 16035), (888, 16050), (895, 16071), (899, 16083), (946, 16296), (958, 16356), (965, 16401), (980, 16452), (986, 16500),

Gene: Klodlith_26 Start: 15553, Stop: 18648, Start Num: 21

Candidate Starts for Klodlith_26:

(Start: 21 @15553 has 1 MA's), (Start: 36 @15655 has 4 MA's), (Start: 51 @15742 has 33 MA's), (54, 15754), (98, 15886), (104, 15907), (111, 15928), (127, 15970), (136, 15982), (153, 16033), (182, 16096), (194, 16138), (220, 16195), (233, 16234), (301, 16405), (305, 16411), (336, 16516), (341, 16531), (351, 16570), (352, 16573), (366, 16648), (367, 16651), (380, 16702), (383, 16723), (384, 16726), (387, 16744), (425, 16912), (429, 16939), (432, 16954), (447, 17008), (453, 17029), (467, 17092), (468, 17095), (475, 17134), (501, 17227), (508, 17254), (570, 17368), (575, 17377), (584, 17422), (593, 17449), (605, 17485), (613, 17506), (618, 17521), (644, 17548), (648, 17551), (658, 17572), (667, 17605), (696, 17665), (712, 17701), (774, 17851), (788, 17896), (805, 17947), (822, 18013), (828, 18037), (836, 18055), (840, 18076), (846, 18094), (864, 18124), (877, 18157), (882, 18178), (891, 18208), (909, 18259), (927, 18337), (936, 18373), (944, 18424), (949, 18448), (962, 18523), (981, 18589), (987, 18631),

Gene: Koan_25 Start: 15885, Stop: 18485, Start Num: 165

Candidate Starts for Koan_25:

(Start: 165 @15885 has 118 MA's), (Start: 223 @16026 has 23 MA's), (Start: 228 @16044 has 10 MA's), (278, 16251), (291, 16290), (298, 16320), (325, 16404), (333, 16437), (341, 16464), (356, 16527), (369, 16590), (380, 16635), (387, 16677), (405, 16761), (506, 17028), (533, 17079), (566, 17124), (595, 17202), (610, 17235), (612, 17241), (658, 17337), (660, 17346), (686, 17409), (695, 17430), (705, 17457), (730, 17514), (731, 17520), (749, 17574), (765, 17622), (785, 17688), (828, 17853), (836, 17871), (882, 17997), (943, 18249), (944, 18252), (946, 18261), (958, 18321), (980, 18417), (986, 18465),

Gene: Koduck_27 Start: 15783, Stop: 18296, Start Num: 120

Candidate Starts for Koduck_27:

(Start: 120 @15783 has 91 MA's), (200, 15960), (203, 15963), (205, 15966), (296, 16152), (299, 16161), (305, 16170), (341, 16290), (353, 16341), (367, 16410), (369, 16416), (373, 16431), (378, 16452), (380, 16461), (425, 16671), (432, 16713), (447, 16767), (453, 16788), (466, 16845), (468, 16854), (470, 16872), (472, 16881), (498, 16980), (520, 17034), (538, 17079), (546, 17094), (570, 17127), (586, 17190), (597, 17223), (605, 17244), (648, 17310), (651, 17316), (666, 17361), (670, 17370), (706, 17448), (743, 17520), (753, 17547), (774, 17610), (788, 17655), (792, 17667), (803, 17703), (817, 17751), (842, 17817), (881, 17880), (939, 18057), (944, 18075), (945, 18078), (949, 18099),

Gene: Koko_29 Start: 16749, Stop: 19274, Start Num: 120

Candidate Starts for Koko_29:

(Start: 120 @16749 has 91 MA's), (127, 16767), (175, 16860), (195, 16917), (244, 17025), (336, 17241), (352, 17298), (353, 17307), (376, 17406), (380, 17427), (384, 17451), (398, 17529), (399, 17532), (429, 17664), (432, 17679), (467, 17817), (468, 17820), (470, 17838), (472, 17847), (482, 17895), (546, 18060), (568, 18087), (590, 18165), (605, 18210), (644, 18273), (651, 18282), (660, 18306), (666, 18327), (751, 18510), (753, 18513), (774, 18576), (792, 18633), (803, 18669), (879, 18840), (928, 18969), (935, 18999),

Gene: Koreni_24 Start: 15531, Stop: 18131, Start Num: 165

Candidate Starts for Koreni_24:

(Start: 165 @15531 has 118 MA's), (Start: 223 @15672 has 23 MA's), (Start: 228 @15690 has 10 MA's), (278, 15897), (291, 15936), (298, 15966), (333, 16083), (341, 16110), (356, 16173), (369, 16236), (380, 16281), (387, 16323), (405, 16407), (506, 16674), (533, 16725), (566, 16770), (595, 16848), (610, 16881), (612, 16887), (658, 16983), (660, 16992), (686, 17055), (695, 17076), (704, 17100), (731, 17166), (749, 17220), (765, 17268), (785, 17334), (828, 17499), (836, 17517), (882, 17643), (943, 17895), (944, 17898), (946, 17907), (958, 17967), (980, 18063), (986, 18111),

Gene: Kratak_25 Start: 15880, Stop: 18480, Start Num: 165

Candidate Starts for Kratak_25:

(Start: 165 @15880 has 118 MA's), (Start: 223 @16021 has 23 MA's), (Start: 228 @16039 has 10 MA's), (278, 16246), (291, 16285), (298, 16315), (341, 16459), (356, 16522), (369, 16585), (380, 16630), (387, 16672), (405, 16756), (506, 17023), (533, 17074), (566, 17119), (595, 17197), (610, 17230), (612, 17236), (662, 17350), (686, 17404), (704, 17449), (730, 17509), (749, 17569), (785, 17683), (828, 17848), (836, 17866), (882, 17992), (943, 18244), (944, 18247), (946, 18256), (958, 18316), (980, 18412), (986, 18460),

Gene: Kremtemulon_25 Start: 15933, Stop: 18533, Start Num: 165

Candidate Starts for Kremtemulon_25:

(Start: 165 @15933 has 118 MA's), (Start: 223 @16074 has 23 MA's), (Start: 228 @16092 has 10 MA's), (278, 16299), (291, 16338), (298, 16368), (333, 16485), (341, 16512), (356, 16575), (369, 16638), (380, 16683), (387, 16725), (405, 16809), (506, 17076), (533, 17127), (566, 17172), (595, 17250), (612, 17289), (619, 17310), (658, 17385), (660, 17394), (686, 17457), (695, 17478), (705, 17505), (730, 17562), (731, 17568), (749, 17622), (765, 17670), (785, 17736), (828, 17901), (836, 17919), (882, 18045), (943, 18297), (944, 18300), (946, 18309), (958, 18369), (980, 18465), (986, 18513),

Gene: Krishelle_21 Start: 12083, Stop: 15742, Start Num: 15

Candidate Starts for Krishelle_21:

(Start: 15 @12083 has 35 MA's), (37, 12245), (42, 12266), (61, 12368), (93, 12470), (122, 12584), (139, 12632), (140, 12638), (146, 12662), (166, 12734), (177, 12767), (253, 13058), (259, 13091), (268, 13139), (270, 13145), (294, 13226), (296, 13232), (299, 13241), (312, 13271), (320, 13292), (323, 13304), (333, 13343), (348, 13400), (373, 13511), (378, 13532), (380, 13541), (387, 13583), (397, 13634), (399, 13646), (420, 13718), (421, 13721), (432, 13793), (435, 13802), (440, 13823),

(446, 13844), (448, 13850), (453, 13868), (456, 13877), (458, 13889), (467, 13931), (472, 13961), (481, 14006), (489, 14030), (504, 14075), (522, 14126), (528, 14138), (531, 14141), (538, 14159), (546, 14174), (577, 14225), (603, 14321), (640, 14378), (652, 14402), (659, 14420), (661, 14429), (700, 14516), (738, 14594), (750, 14630), (761, 14657), (763, 14669), (781, 14732), (790, 14756), (793, 14777), (798, 14792), (799, 14798), (800, 14801), (804, 14810), (837, 14933), (846, 14966), (884, 15053), (896, 15095), (897, 15098), (915, 15170), (921, 15194), (925, 15215), (929, 15239), (933, 15257), (945, 15332), (950, 15365), (959, 15407), (979, 15503), (981, 15524), (990, 15575), (992, 15680), (994, 15698),

Gene: Kristoff_26 Start: 15879, Stop: 18620, Start Num: 161

Candidate Starts for Kristoff_26:

(Start: 161 @15879 has 8 MA's), (Start: 228 @16056 has 10 MA's), (232, 16077), (248, 16134), (257, 16182), (264, 16209), (272, 16248), (282, 16278), (294, 16320), (306, 16353), (309, 16362), (322, 16413), (323, 16416), (340, 16479), (343, 16494), (348, 16515), (351, 16524), (370, 16629), (378, 16671), (462, 17025), (547, 17193), (594, 17313), (610, 17358), (611, 17361), (612, 17364), (619, 17385), (622, 17388), (643, 17433), (686, 17541), (695, 17562), (699, 17574), (722, 17622), (732, 17655), (753, 17718), (777, 17796), (785, 17820), (808, 17895), (822, 17961), (828, 17985), (836, 18003), (857, 18069), (868, 18099), (878, 18123), (882, 18135), (888, 18150), (895, 18171), (899, 18183), (946, 18396), (954, 18432), (957, 18453), (958, 18456), (980, 18552), (986, 18600),

Gene: Kugel_25 Start: 16511, Stop: 18991, Start Num: 167

Candidate Starts for Kugel_25:

(Start: 167 @16511 has 215 MA's), (181, 16550), (211, 16613), (Start: 223 @16643 has 23 MA's), (233, 16685), (327, 16892), (333, 16910), (356, 17000), (369, 17063), (376, 17087), (378, 17099), (387, 17150), (537, 17534), (592, 17636), (606, 17675), (614, 17702), (623, 17726), (672, 17855), (718, 17954), (757, 18056), (765, 18077), (770, 18089), (777, 18119), (808, 18218), (823, 18281), (892, 18500), (903, 18533), (958, 18815), (975, 18902), (982, 18941), (984, 18956),

Gene: KyMonks1A_26 Start: 16677, Stop: 19157, Start Num: 167

Candidate Starts for KyMonks1A_26:

(Start: 167 @16677 has 215 MA's), (181, 16716), (211, 16779), (Start: 223 @16809 has 23 MA's), (233, 16851), (327, 17058), (333, 17076), (356, 17166), (369, 17229), (376, 17253), (378, 17265), (387, 17316), (537, 17700), (592, 17802), (606, 17841), (614, 17868), (623, 17892), (672, 18021), (718, 18120), (757, 18222), (765, 18243), (770, 18255), (777, 18285), (808, 18384), (823, 18447), (892, 18666), (903, 18699), (958, 18981), (975, 19068), (982, 19107), (984, 19122),

Gene: Kyee_25 Start: 15886, Stop: 18486, Start Num: 165

Candidate Starts for Kyee_25:

(Start: 165 @15886 has 118 MA's), (Start: 223 @16027 has 23 MA's), (Start: 228 @16045 has 10 MA's), (278, 16252), (291, 16291), (298, 16321), (333, 16438), (341, 16465), (356, 16528), (369, 16591), (380, 16636), (387, 16678), (405, 16762), (506, 17029), (533, 17080), (566, 17125), (595, 17203), (612, 17242), (662, 17356), (686, 17410), (704, 17455), (730, 17515), (736, 17533), (749, 17575), (765, 17623), (785, 17689), (828, 17854), (836, 17872), (882, 17998), (943, 18250), (944, 18253), (946, 18262), (958, 18322), (980, 18418), (986, 18466),

Gene: Kykar_22 Start: 15947, Stop: 18526, Start Num: 167

Candidate Starts for Kykar_22:

(Start: 167 @15947 has 215 MA's), (181, 15986), (211, 16049), (Start: 223 @16079 has 23 MA's), (318, 16298), (328, 16334), (369, 16502), (380, 16547), (384, 16571), (387, 16589), (482, 16901), (559, 17057), (588, 17159), (599, 17192), (624, 17264), (642, 17303), (672, 17390), (718, 17489), (757, 17591), (765, 17612), (770, 17624), (777, 17654), (808, 17753), (823, 17816), (892, 18035), (903, 18068), (958, 18350), (975, 18437), (982, 18476), (984, 18491),

Gene: L5_26 Start: 15794, Stop: 18307, Start Num: 120

Candidate Starts for L5_26:

(Start: 120 @15794 has 91 MA's), (200, 15971), (203, 15974), (205, 15977), (321, 16226), (341, 16301), (362, 16397), (366, 16418), (376, 16451), (379, 16466), (380, 16472), (383, 16493), (398, 16574), (425, 16682), (429, 16709), (432, 16724), (447, 16778), (453, 16799), (468, 16865), (498, 16991), (520, 17045), (538, 17090), (546, 17105), (570, 17138), (586, 17201), (597, 17234), (605, 17255), (648, 17321), (651, 17327), (666, 17372), (670, 17381), (706, 17459), (743, 17531), (753, 17558), (774, 17621), (788, 17666), (792, 17678), (803, 17714), (817, 17762), (842, 17828), (881, 17891), (939, 18068), (944, 18086), (945, 18089), (949, 18110),

Gene: LBerry_27 Start: 15979, Stop: 19005, Start Num: 35

Candidate Starts for LBerry_27:

(29, 15925), (Start: 35 @15979 has 84 MA's), (57, 16093), (79, 16159), (81, 16162), (85, 16171), (97, 16207), (113, 16258), (141, 16330), (174, 16402), (218, 16522), (220, 16525), (243, 16594), (260, 16639), (299, 16732), (305, 16741), (311, 16759), (321, 16786), (337, 16849), (341, 16861), (349, 16894), (353, 16912), (366, 16978), (367, 16981), (369, 16987), (373, 17002), (376, 17011), (378, 17023), (380, 17032), (393, 17110), (397, 17125), (425, 17242), (426, 17245), (430, 17272), (432, 17284), (447, 17338), (453, 17359), (468, 17425), (475, 17464), (501, 17557), (520, 17605), (538, 17650), (570, 17698), (581, 17740), (582, 17749), (593, 17779), (594, 17782), (597, 17794), (618, 17851), (623, 17857), (644, 17878), (648, 17881), (706, 18019), (712, 18031), (743, 18091), (763, 18148), (808, 18286), (812, 18307), (817, 18331), (828, 18376), (836, 18394), (852, 18442), (855, 18454), (877, 18496), (914, 18616), (927, 18685), (936, 18721), (950, 18802), (980, 18937),

Gene: LHTSCC_26 Start: 16337, Stop: 18796, Start Num: 223

Candidate Starts for LHTSCC_26:

(Start: 165 @16196 has 118 MA's), (Start: 223 @16337 has 23 MA's), (Start: 228 @16355 has 10 MA's), (266, 16511), (278, 16562), (298, 16631), (333, 16748), (341, 16775), (356, 16838), (369, 16901), (380, 16946), (387, 16988), (405, 17072), (471, 17279), (506, 17339), (533, 17390), (566, 17435), (595, 17513), (610, 17546), (612, 17552), (686, 17720), (695, 17741), (704, 17765), (730, 17825), (731, 17831), (732, 17834), (749, 17885), (765, 17933), (785, 17999), (828, 18164), (836, 18182), (882, 18308), (943, 18560), (944, 18563), (946, 18572), (957, 18629), (958, 18632), (965, 18677), (980, 18728), (986, 18776),

Gene: LadyBird_26 Start: 16593, Stop: 19130, Start Num: 120

Candidate Starts for LadyBird_26:

(Start: 120 @16593 has 91 MA's), (203, 16773), (205, 16776), (226, 16824), (287, 16935), (292, 16944), (296, 16965), (299, 16974), (305, 16983), (321, 17028), (328, 17061), (353, 17154), (363, 17202), (366, 17220), (371, 17232), (376, 17253), (380, 17274), (383, 17295), (384, 17298), (425, 17484), (432, 17526), (435, 17535), (438, 17544), (453, 17601), (468, 17667), (475, 17706), (498, 17793), (538, 17892), (590, 18012), (593, 18021), (595, 18027), (597, 18036), (605, 18057), (614, 18081), (624, 18102), (648, 18123), (651, 18129), (662, 18162), (666, 18174), (694, 18231), (743, 18333), (753, 18360), (763, 18390), (774, 18423), (792, 18480), (809, 18522), (817, 18564), (879, 18687), (881, 18696), (887, 18705), (928, 18816), (935, 18846), (942, 18900), (949, 18930),

Gene: Lambert1_26 Start: 16043, Stop: 19081, Start Num: 33

Candidate Starts for Lambert1_26:

(Start: 33 @16043 has 33 MA's), (73, 16217), (81, 16229), (92, 16262), (174, 16469), (181, 16490), (218, 16589), (220, 16592), (299, 16802), (309, 16823), (321, 16856), (337, 16919), (341, 16931), (349, 16964), (353, 16982), (357, 17003), (367, 17051), (369, 17057), (373, 17072), (376, 17081), (378, 17093), (380, 17102), (397, 17195), (425, 17312), (426, 17315), (430, 17342), (432, 17354), (447, 17408), (453, 17429), (468, 17495), (475, 17534), (520, 17675), (538, 17720), (581, 17810), (582, 17819), (593, 17849), (613, 17906), (618, 17921), (644, 17948), (648, 17951), (657, 17969), (702, 18080), (743, 18161), (763, 18218), (776, 18260), (808, 18356), (812, 18377), (817, 18401),

(828, 18446), (836, 18464), (852, 18512), (855, 18524), (877, 18566), (880, 18578), (893, 18626), (936, 18797), (946, 18857), (948, 18869), (955, 18896), (958, 18917), (980, 19013), (986, 19061),

Gene: Lamina13_24 Start: 15957, Stop: 18428, Start Num: 167

Candidate Starts for Lamina13_24:

(Start: 167 @15957 has 215 MA's), (181, 15996), (211, 16059), (213, 16065), (Start: 223 @16089 has 23 MA's), (229, 16110), (233, 16131), (273, 16161), (280, 16185), (303, 16251), (356, 16449), (362, 16482), (378, 16548), (440, 16803), (453, 16824), (460, 16851), (549, 17010), (575, 17046), (610, 17139), (617, 17160), (642, 17217), (687, 17337), (703, 17373), (718, 17403), (732, 17439), (757, 17505), (765, 17526), (808, 17667), (848, 17808), (857, 17829), (901, 17964), (958, 18252), (975, 18339), (982, 18378), (986, 18408),

Gene: Landor_27 Start: 18370, Stop: 20748, Start Num: 215

Candidate Starts for Landor_27:

(Start: 209 @18352 has 7 MA's), (Start: 215 @18370 has 5 MA's), (226, 18403), (229, 18409), (255, 18505), (264, 18547), (283, 18610), (284, 18613), (315, 18703), (318, 18715), (319, 18718), (326, 18748), (327, 18757), (338, 18793), (341, 18802), (356, 18865), (362, 18898), (373, 18943), (378, 18964), (380, 18973), (399, 19078), (442, 19219), (517, 19387), (519, 19393), (568, 19465), (631, 19633), (641, 19651), (705, 19807), (736, 19861), (754, 19897), (772, 19948), (791, 20008), (798, 20041), (801, 20053), (812, 20086), (813, 20089), (863, 20227), (868, 20239), (886, 20281), (898, 20317), (902, 20329), (905, 20335), (948, 20545),

Gene: LappelDuVide_25 Start: 16023, Stop: 18482, Start Num: 223

Candidate Starts for LappelDuVide_25:

(Start: 165 @15882 has 118 MA's), (Start: 223 @16023 has 23 MA's), (Start: 228 @16041 has 10 MA's), (278, 16248), (291, 16287), (298, 16317), (333, 16434), (341, 16461), (356, 16524), (369, 16587), (380, 16632), (387, 16674), (405, 16758), (506, 17025), (533, 17076), (566, 17121), (595, 17199), (612, 17238), (619, 17259), (686, 17406), (695, 17427), (704, 17451), (730, 17511), (731, 17517), (732, 17520), (749, 17571), (765, 17619), (785, 17685), (828, 17850), (836, 17868), (882, 17994), (943, 18246), (944, 18249), (946, 18258), (958, 18318), (980, 18414), (986, 18462),

Gene: Larenn_27 Start: 16894, Stop: 19434, Start Num: 120

Candidate Starts for Larenn_27:

(Start: 120 @16894 has 91 MA's), (203, 17074), (289, 17239), (292, 17245), (296, 17266), (299, 17275), (321, 17329), (324, 17341), (328, 17362), (341, 17404), (357, 17476), (373, 17548), (376, 17557), (380, 17578), (383, 17599), (384, 17602), (387, 17620), (398, 17680), (404, 17707), (425, 17788), (432, 17830), (435, 17839), (438, 17848), (439, 17851), (447, 17884), (450, 17896), (453, 17905), (467, 17968), (468, 17971), (472, 17998), (475, 18010), (569, 18241), (582, 18295), (586, 18307), (590, 18316), (595, 18331), (605, 18361), (614, 18385), (617, 18394), (618, 18397), (644, 18424), (654, 18439), (662, 18466), (670, 18487), (673, 18493), (712, 18577), (743, 18637), (753, 18664), (774, 18727), (827, 18910), (835, 18922), (879, 18991), (881, 19000), (887, 19009), (928, 19120), (935, 19150), (942, 19204), (949, 19234), (989, 19420),

Gene: LarryKay_27 Start: 16065, Stop: 19091, Start Num: 35

Candidate Starts for LarryKay_27:

(29, 16011), (Start: 35 @16065 has 84 MA's), (57, 16179), (79, 16245), (81, 16248), (85, 16257), (97, 16293), (113, 16344), (141, 16416), (174, 16488), (218, 16608), (220, 16611), (243, 16680), (260, 16725), (299, 16818), (305, 16827), (311, 16845), (321, 16872), (337, 16935), (341, 16947), (349, 16980), (353, 16998), (366, 17064), (367, 17067), (369, 17073), (373, 17088), (376, 17097), (378, 17109), (380, 17118), (393, 17196), (397, 17211), (425, 17328), (426, 17331), (430, 17358), (432, 17370), (447, 17424), (453, 17445), (468, 17511), (475, 17550), (501, 17643), (520, 17691), (538, 17736), (570, 17784), (581, 17826), (582, 17835), (593, 17865), (594, 17868), (597, 17880), (618, 17937), (623, 17943), (644, 17964), (648, 17967), (706, 18105), (712, 18117), (743, 18177), (763,

18234), (808, 18372), (812, 18393), (817, 18417), (828, 18462), (836, 18480), (852, 18528), (855, 18540), (877, 18582), (894, 18645), (914, 18702), (927, 18771), (936, 18807), (950, 18888), (980, 19023),

Gene: LastResort_28 Start: 15923, Stop: 18112, Start Num: 188

Candidate Starts for LastResort_28:

(Start: 129 @15746 has 2 MA's), (Start: 134 @15755 has 4 MA's), (Start: 188 @15923 has 18 MA's), (310, 16166), (312, 16172), (332, 16241), (347, 16298), (380, 16442), (387, 16484), (396, 16532), (397, 16535), (428, 16646), (431, 16664), (473, 16769), (495, 16817), (563, 16922), (585, 16982), (611, 17036), (633, 17072), (646, 17096), (648, 17105), (671, 17168), (685, 17189), (692, 17204), (705, 17228), (710, 17240), (741, 17294), (746, 17315), (761, 17345), (833, 17516), (839, 17537), (872, 17621), (950, 17924), (980, 18047), (981, 18059),

Gene: Lemur_25 Start: 15882, Stop: 18482, Start Num: 165

Candidate Starts for Lemur_25:

(Start: 165 @15882 has 118 MA's), (Start: 223 @16023 has 23 MA's), (Start: 228 @16041 has 10 MA's), (278, 16248), (291, 16287), (298, 16317), (325, 16401), (333, 16434), (341, 16461), (356, 16524), (369, 16587), (380, 16632), (387, 16674), (405, 16758), (506, 17025), (533, 17076), (566, 17121), (595, 17199), (610, 17232), (612, 17238), (686, 17406), (695, 17427), (704, 17451), (731, 17517), (749, 17571), (765, 17619), (785, 17685), (828, 17850), (836, 17868), (882, 17994), (943, 18246), (944, 18249), (946, 18258), (958, 18318), (980, 18414), (986, 18462),

Gene: LeoAvram_25 Start: 16041, Stop: 18482, Start Num: 228

Candidate Starts for LeoAvram_25:

(Start: 165 @15882 has 118 MA's), (Start: 223 @16023 has 23 MA's), (Start: 228 @16041 has 10 MA's), (278, 16248), (291, 16287), (298, 16317), (333, 16434), (341, 16461), (356, 16524), (369, 16587), (380, 16632), (387, 16674), (405, 16758), (506, 17025), (533, 17076), (566, 17121), (595, 17199), (610, 17232), (612, 17238), (686, 17406), (695, 17427), (704, 17451), (730, 17511), (731, 17517), (732, 17520), (749, 17571), (765, 17619), (785, 17685), (828, 17850), (836, 17868), (882, 17994), (943, 18246), (944, 18249), (946, 18258), (958, 18318), (980, 18414), (986, 18462),

Gene: Leogania_28 Start: 18765, Stop: 21302, Start Num: 120

Candidate Starts for Leogania_28:

(Start: 120 @18765 has 91 MA's), (203, 18945), (205, 18948), (226, 18996), (292, 19116), (296, 19137), (299, 19146), (309, 19167), (321, 19200), (328, 19233), (341, 19275), (352, 19317), (353, 19326), (363, 19374), (366, 19392), (376, 19425), (378, 19437), (380, 19446), (381, 19458), (383, 19467), (425, 19656), (429, 19683), (432, 19698), (447, 19752), (453, 19773), (468, 19839), (475, 19878), (498, 19965), (590, 20184), (595, 20199), (605, 20229), (613, 20250), (614, 20253), (618, 20265), (644, 20292), (662, 20334), (673, 20361), (694, 20403), (706, 20433), (743, 20505), (753, 20532), (774, 20595), (788, 20640), (792, 20652), (835, 20790), (879, 20859), (881, 20868), (887, 20877), (928, 20988), (935, 21018), (942, 21072), (949, 21102),

Gene: Lesedi_23 Start: 16115, Stop: 18586, Start Num: 167

Candidate Starts for Lesedi_23:

(Start: 167 @16115 has 215 MA's), (181, 16154), (211, 16217), (Start: 223 @16247 has 23 MA's), (229, 16268), (233, 16289), (236, 16301), (273, 16319), (288, 16364), (303, 16409), (356, 16607), (362, 16640), (378, 16706), (440, 16961), (453, 16982), (460, 17009), (549, 17168), (575, 17204), (610, 17297), (617, 17318), (642, 17375), (687, 17495), (703, 17531), (718, 17561), (732, 17597), (757, 17663), (765, 17684), (808, 17825), (848, 17966), (857, 17987), (901, 18122), (937, 18299), (958, 18410), (975, 18497), (982, 18536), (984, 18551),

Gene: Lev2_22 Start: 15062, Stop: 18403, Start Num: 1

Candidate Starts for Lev2_22:

(Start: 1 @15062 has 39 MA's), (32, 15500), (Start: 129 @15812 has 2 MA's), (152, 15890), (Start: 161 @15920 has 8 MA's), (184, 15977), (236, 16124), (240, 16130), (243, 16136), (312, 16262), (316, 16274), (356, 16424), (363, 16460), (369, 16490), (373, 16505), (380, 16535), (381, 16547), (386, 16571), (399, 16640), (423, 16706), (473, 16862), (506, 16931), (507, 16934), (524, 16961), (541, 16985), (589, 17123), (598, 17144), (614, 17189), (634, 17231), (722, 17423), (731, 17453), (742, 17477), (745, 17489), (751, 17510), (768, 17552), (794, 17639), (808, 17675), (812, 17696), (819, 17717), (843, 17795), (852, 17816), (857, 17837), (864, 17858), (872, 17879), (880, 17903), (902, 17966), (925, 18059), (928, 18077), (943, 18158), (946, 18170), (948, 18182), (950, 18191), (961, 18245), (979, 18329), (980, 18338),

Gene: Levia_24 Start: 17126, Stop: 19597, Start Num: 167

Candidate Starts for Levia_24:

(Start: 167 @17126 has 215 MA's), (181, 17165), (211, 17228), (Start: 223 @17258 has 23 MA's), (229, 17279), (233, 17300), (273, 17330), (280, 17354), (303, 17420), (356, 17618), (362, 17651), (378, 17717), (440, 17972), (453, 17993), (460, 18020), (549, 18179), (575, 18215), (610, 18308), (617, 18329), (642, 18386), (687, 18506), (703, 18542), (718, 18572), (732, 18608), (757, 18674), (765, 18695), (808, 18836), (848, 18977), (857, 18998), (901, 19133), (937, 19310), (958, 19421), (970, 19487), (975, 19508), (982, 19547), (984, 19562),

Gene: Leviathan_28 Start: 17112, Stop: 19655, Start Num: 120

Candidate Starts for Leviathan_28:

(Start: 120 @17112 has 91 MA's), (203, 17292), (205, 17295), (216, 17325), (289, 17463), (292, 17469), (296, 17490), (299, 17499), (305, 17508), (309, 17520), (324, 17565), (328, 17586), (341, 17628), (353, 17679), (362, 17724), (363, 17727), (366, 17745), (376, 17778), (378, 17790), (380, 17799), (383, 17820), (384, 17823), (425, 18009), (432, 18051), (435, 18060), (438, 18069), (453, 18126), (468, 18192), (475, 18231), (515, 18360), (538, 18417), (577, 18483), (582, 18516), (587, 18531), (590, 18537), (593, 18546), (597, 18561), (605, 18582), (613, 18603), (623, 18624), (624, 18627), (644, 18645), (648, 18648), (666, 18699), (694, 18756), (701, 18774), (712, 18798), (743, 18858), (753, 18885), (774, 18948), (788, 18993), (827, 19131), (881, 19221), (887, 19230), (908, 19254), (928, 19341), (935, 19371), (949, 19455),

Gene: Licorice_26 Start: 17366, Stop: 19837, Start Num: 167

Candidate Starts for Licorice_26:

(Start: 167 @17366 has 215 MA's), (181, 17405), (211, 17468), (Start: 223 @17498 has 23 MA's), (229, 17519), (233, 17540), (236, 17552), (273, 17570), (280, 17594), (303, 17660), (312, 17687), (356, 17858), (362, 17891), (378, 17957), (440, 18212), (453, 18233), (460, 18260), (471, 18299), (498, 18356), (533, 18386), (549, 18419), (575, 18455), (610, 18548), (617, 18569), (642, 18626), (687, 18746), (703, 18782), (718, 18812), (732, 18848), (757, 18914), (765, 18935), (777, 18977), (808, 19076), (848, 19217), (857, 19238), (923, 19469), (937, 19550), (958, 19661), (975, 19748), (982, 19787), (986, 19817),

Gene: LilBib_25 Start: 17203, Stop: 20028, Start Num: 167

Candidate Starts for LilBib_25:

(Start: 167 @17203 has 215 MA's), (192, 17275), (300, 17518), (305, 17533), (319, 17578), (346, 17698), (350, 17716), (358, 17764), (366, 17809), (378, 17854), (379, 17857), (387, 17905), (429, 18079), (436, 18106), (458, 18190), (473, 18247), (480, 18265), (493, 18310), (504, 18346), (514, 18406), (534, 18454), (560, 18517), (561, 18520), (584, 18613), (592, 18637), (604, 18673), (610, 18700), (614, 18712), (620, 18730), (626, 18745), (650, 18808), (697, 18937), (715, 18982), (725, 19015), (729, 19027), (774, 19156), (802, 19252), (827, 19339), (828, 19342), (836, 19360), (901, 19564), (937, 19741), (958, 19852), (975, 19939), (982, 19978), (984, 19993),

Gene: LilTurb_28 Start: 17115, Stop: 19658, Start Num: 120

Candidate Starts for LilTurb_28:

(Start: 120 @17115 has 91 MA's), (203, 17295), (205, 17298), (289, 17466), (292, 17472), (296, 17493), (299, 17502), (305, 17511), (309, 17523), (324, 17568), (328, 17589), (341, 17631), (353, 17682), (362, 17727), (363, 17730), (366, 17748), (376, 17781), (378, 17793), (380, 17802), (383, 17823), (384, 17826), (425, 18012), (432, 18054), (435, 18063), (438, 18072), (453, 18129), (468, 18195), (475, 18234), (501, 18327), (515, 18363), (538, 18420), (577, 18486), (582, 18519), (587, 18534), (590, 18540), (593, 18549), (597, 18564), (605, 18585), (613, 18606), (623, 18627), (624, 18630), (644, 18648), (648, 18651), (662, 18690), (666, 18702), (694, 18759), (701, 18777), (712, 18801), (743, 18861), (753, 18888), (774, 18951), (788, 18996), (827, 19134), (881, 19224), (887, 19233), (908, 19257), (928, 19344), (935, 19374), (949, 19458),

Gene: Lilbunny_29 Start: 16715, Stop: 18931, Start Num: 128

Candidate Starts for Lilbunny_29:

(107, 16670), (Start: 128 @16715 has 47 MA's), (175, 16826), (233, 16982), (312, 17129), (316, 17141), (355, 17288), (356, 17291), (362, 17324), (382, 17414), (395, 17483), (419, 17558), (473, 17726), (670, 17984), (707, 18029), (773, 18137), (808, 18200), (819, 18242), (852, 18341), (857, 18362), (872, 18404), (888, 18455), (899, 18482), (919, 18563), (935, 18653),

Gene: Lilith_27 Start: 15972, Stop: 18998, Start Num: 35

Candidate Starts for Lilith_27:

(29, 15918), (Start: 35 @15972 has 84 MA's), (57, 16086), (79, 16152), (81, 16155), (85, 16164), (97, 16200), (113, 16251), (141, 16323), (174, 16395), (218, 16515), (220, 16518), (243, 16587), (260, 16632), (299, 16725), (305, 16734), (311, 16752), (321, 16779), (337, 16842), (341, 16854), (349, 16887), (353, 16905), (366, 16971), (367, 16974), (369, 16980), (373, 16995), (376, 17004), (378, 17016), (380, 17025), (397, 17118), (425, 17235), (426, 17238), (430, 17265), (432, 17277), (447, 17331), (453, 17352), (468, 17418), (472, 17445), (501, 17550), (520, 17598), (538, 17643), (570, 17691), (581, 17733), (582, 17742), (593, 17772), (594, 17775), (597, 17787), (618, 17844), (623, 17850), (644, 17871), (648, 17874), (706, 18012), (712, 18024), (743, 18084), (765, 18144), (774, 18174), (775, 18177), (777, 18186), (808, 18279), (828, 18369), (852, 18435), (855, 18447), (877, 18489), (894, 18552), (914, 18609), (927, 18678), (936, 18714), (950, 18795), (980, 18930),

Gene: Lilleskat_25 Start: 17590, Stop: 20499, Start Num: 51

Candidate Starts for Lilleskat_25:

(Start: 51 @17590 has 33 MA's), (54, 17602), (70, 17662), (153, 17884), (182, 17947), (194, 17989), (220, 18046), (233, 18085), (301, 18256), (305, 18262), (310, 18277), (336, 18367), (337, 18370), (341, 18382), (352, 18424), (362, 18478), (380, 18553), (383, 18574), (384, 18577), (387, 18595), (399, 18658), (419, 18724), (425, 18763), (429, 18790), (432, 18805), (440, 18835), (447, 18859), (453, 18880), (468, 18946), (475, 18985), (493, 19051), (501, 19078), (508, 19105), (569, 19216), (590, 19291), (605, 19336), (613, 19357), (623, 19378), (624, 19381), (644, 19399), (648, 19402), (659, 19429), (667, 19456), (694, 19510), (774, 19702), (778, 19717), (788, 19747), (805, 19798), (827, 19885), (830, 19894), (846, 19945), (877, 20008), (882, 20029), (893, 20065), (908, 20101), (909, 20107), (927, 20185), (934, 20212), (944, 20272), (958, 20341), (962, 20371), (968, 20398), (981, 20437), (987, 20479),

Gene: Lillie_21 Start: 12124, Stop: 15471, Start Num: 15

Candidate Starts for Lillie_21:

(Start: 15 @12124 has 35 MA's), (17, 12142), (31, 12265), (37, 12286), (42, 12307), (47, 12337), (94, 12451), (107, 12499), (126, 12547), (127, 12556), (Start: 159 @12631 has 1 MA's), (173, 12652), (180, 12673), (183, 12679), (197, 12727), (232, 12799), (245, 12838), (251, 12847), (276, 12901), (294, 12955), (296, 12961), (312, 13000), (323, 13033), (333, 13072), (348, 13129), (373, 13240), (378, 13261), (380, 13270), (387, 13312), (397, 13363), (399, 13375), (420, 13447), (421, 13450), (432, 13522), (435, 13531), (441, 13555), (448, 13579), (450, 13588), (452, 13594), (453, 13597), (456, 13606), (458, 13618), (467, 13660), (472, 13690), (477, 13714), (481, 13735), (489, 13759), (504, 13804), (522, 13855), (528, 13867), (531, 13870), (538, 13888), (546, 13903), (577, 13954), (590,

14008), (652, 14131), (661, 14158), (670, 14182), (684, 14209), (700, 14245), (713, 14275), (750, 14359), (776, 14440), (790, 14485), (792, 14497), (793, 14506), (795, 14515), (798, 14521), (799, 14527), (808, 14548), (837, 14662), (842, 14683), (865, 14728), (884, 14782), (897, 14827), (915, 14899), (921, 14923), (929, 14968), (933, 14986), (945, 15061), (950, 15094), (959, 15136), (973, 15214), (978, 15229), (981, 15253), (992, 15409), (993, 15421), (994, 15427),

Gene: LionsBait_27 Start: 18379, Stop: 20919, Start Num: 120

Candidate Starts for LionsBait_27:

(Start: 120 @18379 has 91 MA's), (203, 18559), (205, 18562), (287, 18721), (292, 18730), (296, 18751), (299, 18760), (309, 18781), (321, 18814), (328, 18847), (363, 18988), (366, 19006), (376, 19039), (378, 19051), (379, 19054), (380, 19060), (383, 19081), (384, 19084), (425, 19270), (432, 19312), (435, 19321), (438, 19330), (453, 19387), (468, 19453), (475, 19492), (587, 19792), (593, 19807), (595, 19813), (597, 19822), (605, 19843), (614, 19867), (624, 19888), (648, 19909), (651, 19915), (662, 19948), (666, 19960), (670, 19969), (694, 20017), (740, 20110), (743, 20119), (753, 20146), (769, 20188), (774, 20209), (835, 20404), (881, 20482), (887, 20491), (917, 20554), (928, 20602), (935, 20632), (942, 20689), (948, 20716), (949, 20719), (965, 20809),

Gene: LittleB_25 Start: 15885, Stop: 18485, Start Num: 165

Candidate Starts for LittleB_25:

(Start: 165 @15885 has 118 MA's), (Start: 223 @16026 has 23 MA's), (Start: 228 @16044 has 10 MA's), (278, 16251), (291, 16290), (298, 16320), (333, 16437), (341, 16464), (356, 16527), (369, 16590), (380, 16635), (387, 16677), (405, 16761), (506, 17028), (533, 17079), (566, 17124), (595, 17202), (610, 17235), (612, 17241), (619, 17262), (686, 17409), (695, 17430), (705, 17457), (730, 17514), (731, 17520), (749, 17574), (765, 17622), (785, 17688), (828, 17853), (836, 17871), (882, 17997), (943, 18249), (944, 18252), (946, 18261), (958, 18321), (980, 18417), (986, 18465),

Gene: LittleCherry_22 Start: 15245, Stop: 18583, Start Num: 1

Candidate Starts for LittleCherry_22:

(Start: 1 @15245 has 39 MA's), (32, 15683), (Start: 129 @15995 has 2 MA's), (152, 16073), (Start: 161 @16103 has 8 MA's), (184, 16160), (221, 16244), (236, 16307), (240, 16313), (310, 16433), (336, 16523), (337, 16526), (356, 16601), (365, 16646), (369, 16664), (380, 16709), (383, 16730), (429, 16922), (484, 17060), (507, 17108), (554, 17186), (595, 17312), (598, 17324), (608, 17348), (634, 17411), (722, 17603), (731, 17633), (742, 17657), (745, 17669), (768, 17732), (808, 17855), (812, 17876), (819, 17897), (843, 17975), (852, 17996), (864, 18038), (872, 18059), (902, 18146), (911, 18176), (925, 18239), (928, 18257), (943, 18338), (946, 18350), (948, 18362), (950, 18371), (961, 18425), (979, 18509), (983, 18548),

Gene: LittleGuy_25 Start: 15828, Stop: 18428, Start Num: 165

Candidate Starts for LittleGuy_25:

(Start: 165 @15828 has 118 MA's), (Start: 223 @15969 has 23 MA's), (Start: 228 @15987 has 10 MA's), (278, 16194), (291, 16233), (298, 16263), (333, 16380), (341, 16407), (356, 16470), (369, 16533), (378, 16569), (380, 16578), (387, 16620), (471, 16911), (506, 16971), (533, 17022), (566, 17067), (610, 17178), (612, 17184), (619, 17205), (686, 17352), (695, 17373), (704, 17397), (730, 17457), (731, 17463), (732, 17466), (749, 17517), (765, 17565), (785, 17631), (828, 17796), (836, 17814), (882, 17940), (943, 18192), (944, 18195), (946, 18204), (958, 18264), (965, 18309), (980, 18360), (986, 18408),

Gene: LochMonster_25 Start: 16001, Stop: 18460, Start Num: 223

Candidate Starts for LochMonster_25:

(Start: 165 @15860 has 118 MA's), (Start: 223 @16001 has 23 MA's), (Start: 228 @16019 has 10 MA's), (266, 16175), (278, 16226), (291, 16265), (298, 16295), (333, 16412), (341, 16439), (356, 16502), (369, 16565), (380, 16610), (387, 16652), (405, 16736), (506, 17003), (533, 17054), (566, 17099), (595, 17177), (610, 17210), (612, 17216), (662, 17330), (686, 17384), (704, 17429), (730,

17489), (749, 17549), (785, 17663), (828, 17828), (836, 17846), (882, 17972), (943, 18224), (944, 18227), (946, 18236), (957, 18293), (958, 18296), (965, 18341), (980, 18392), (986, 18440),

Gene: Lockley_24 Start: 16291, Stop: 18771, Start Num: 167

Candidate Starts for Lockley_24:

(Start: 167 @16291 has 215 MA's), (181, 16330), (211, 16393), (Start: 223 @16423 has 23 MA's), (233, 16465), (327, 16672), (333, 16690), (356, 16780), (369, 16843), (376, 16867), (378, 16879), (387, 16930), (537, 17314), (592, 17416), (606, 17455), (614, 17482), (623, 17506), (672, 17635), (718, 17734), (757, 17836), (765, 17857), (777, 17899), (808, 17998), (823, 18061), (892, 18280), (903, 18313), (937, 18484), (958, 18595), (975, 18682), (982, 18721), (984, 18736),

Gene: LogiBear_28 Start: 16637, Stop: 19411, Start Num: 71

Candidate Starts for LogiBear_28:

(Start: 36 @16466 has 4 MA's), (63, 16601), (68, 16628), (71, 16637), (107, 16745), (144, 16835), (175, 16907), (197, 16970), (Start: 209 @16991 has 7 MA's), (216, 17012), (249, 17096), (265, 17147), (294, 17216), (296, 17222), (299, 17231), (305, 17240), (324, 17297), (336, 17345), (348, 17390), (373, 17501), (378, 17522), (380, 17531), (391, 17594), (399, 17636), (420, 17708), (432, 17783), (440, 17813), (447, 17837), (453, 17858), (468, 17924), (472, 17951), (475, 17963), (477, 17975), (492, 18026), (493, 18029), (501, 18056), (508, 18083), (515, 18092), (516, 18095), (523, 18119), (525, 18122), (540, 18152), (543, 18158), (564, 18176), (570, 18197), (597, 18293), (598, 18296), (600, 18305), (611, 18329), (615, 18344), (618, 18350), (623, 18356), (648, 18380), (652, 18389), (662, 18419), (691, 18485), (743, 18590), (745, 18596), (774, 18680), (782, 18713), (803, 18773), (813, 18800), (817, 18821), (828, 18866), (940, 19169), (946, 19199), (958, 19259), (980, 19343), (981, 19355),

Gene: Lökk_29 Start: 18268, Stop: 20796, Start Num: 120

Candidate Starts for Lökk_29:

(Start: 120 @18268 has 91 MA's), (175, 18379), (178, 18391), (203, 18448), (205, 18451), (296, 18640), (299, 18649), (321, 18703), (352, 18820), (353, 18829), (357, 18850), (362, 18874), (378, 18940), (380, 18949), (383, 18970), (384, 18973), (425, 19159), (432, 19201), (453, 19276), (468, 19342), (475, 19381), (501, 19474), (538, 19567), (582, 19666), (590, 19687), (605, 19732), (644, 19795), (662, 19837), (673, 19864), (706, 19936), (712, 19948), (750, 20032), (751, 20035), (774, 20098), (788, 20143), (792, 20155), (817, 20239), (835, 20293), (887, 20377), (908, 20401), (935, 20518), (949, 20596),

Gene: LoneWolf_27 Start: 17261, Stop: 20305, Start Num: 30

Candidate Starts for LoneWolf_27:

(7, 16988), (Start: 30 @17261 has 1 MA's), (Start: 51 @17390 has 33 MA's), (54, 17402), (63, 17438), (90, 17510), (104, 17558), (194, 17789), (218, 17843), (220, 17846), (265, 17972), (296, 18047), (299, 18056), (307, 18071), (321, 18110), (341, 18185), (345, 18206), (351, 18224), (353, 18236), (356, 18248), (362, 18281), (363, 18284), (366, 18302), (367, 18305), (373, 18326), (378, 18347), (380, 18356), (381, 18368), (390, 18416), (394, 18437), (399, 18461), (425, 18566), (426, 18569), (447, 18662), (453, 18683), (456, 18692), (458, 18704), (468, 18749), (475, 18788), (504, 18890), (538, 18974), (545, 18986), (566, 19007), (569, 19019), (590, 19094), (593, 19103), (605, 19139), (613, 19160), (623, 19181), (624, 19184), (644, 19202), (648, 19205), (659, 19232), (667, 19259), (774, 19505), (782, 19538), (803, 19598), (805, 19601), (822, 19667), (828, 19691), (836, 19709), (840, 19730), (877, 19811), (882, 19832), (900, 19886), (909, 19913), (927, 19991), (936, 20027), (943, 20075), (944, 20078), (947, 20090), (949, 20102), (962, 20177), (977, 20213), (981, 20243), (987, 20285),

Gene: Looper_29 Start: 15923, Stop: 18109, Start Num: 188

Candidate Starts for Looper_29:

(Start: 129 @15746 has 2 MA's), (Start: 134 @15755 has 4 MA's), (Start: 188 @15923 has 18 MA's), (310, 16163), (312, 16169), (332, 16238), (347, 16295), (380, 16439), (387, 16481), (396, 16529), (397, 16532), (428, 16643), (431, 16661), (473, 16766), (495, 16814), (563, 16919), (585, 16979), (611, 17033), (633, 17069), (646, 17093), (648, 17102), (671, 17165), (685, 17186), (692, 17201), (705, 17225), (710, 17237), (741, 17291), (746, 17312), (761, 17342), (833, 17513), (839, 17534), (872, 17618), (950, 17921), (980, 18044), (981, 18056),

Gene: Lopton_25 Start: 17715, Stop: 20195, Start Num: 167

Candidate Starts for Lopton_25:

(Start: 167 @17715 has 215 MA's), (181, 17754), (211, 17817), (Start: 223 @17847 has 23 MA's), (233, 17889), (327, 18096), (333, 18114), (356, 18204), (369, 18267), (376, 18291), (378, 18303), (387, 18354), (537, 18738), (592, 18840), (606, 18879), (610, 18894), (614, 18906), (623, 18930), (672, 19059), (718, 19158), (757, 19260), (765, 19281), (777, 19323), (808, 19422), (823, 19485), (852, 19575), (892, 19704), (903, 19737), (958, 20019), (970, 20085), (975, 20106), (982, 20145), (984, 20160),

Gene: Lorenzo_25 Start: 15885, Stop: 18485, Start Num: 165

Candidate Starts for Lorenzo_25:

(Start: 165 @15885 has 118 MA's), (Start: 223 @16026 has 23 MA's), (Start: 228 @16044 has 10 MA's), (278, 16251), (291, 16290), (298, 16320), (333, 16437), (341, 16464), (356, 16527), (369, 16590), (380, 16635), (387, 16677), (405, 16761), (506, 17028), (533, 17079), (566, 17124), (595, 17202), (612, 17241), (619, 17262), (686, 17409), (695, 17430), (704, 17454), (731, 17520), (749, 17574), (765, 17622), (785, 17688), (828, 17853), (836, 17871), (882, 17997), (943, 18249), (944, 18252), (946, 18261), (958, 18321), (980, 18417), (986, 18465),

Gene: Loser_29 Start: 18399, Stop: 20897, Start Num: 120

Candidate Starts for Loser_29:

(96, 18336), (Start: 120 @18399 has 91 MA's), (181, 18528), (195, 18567), (216, 18612), (292, 18714), (296, 18735), (305, 18753), (317, 18789), (341, 18873), (353, 18924), (367, 18993), (369, 18999), (373, 19014), (376, 19023), (378, 19035), (380, 19044), (425, 19254), (429, 19281), (432, 19296), (447, 19350), (453, 19371), (468, 19437), (475, 19476), (492, 19539), (538, 19662), (546, 19677), (582, 19761), (587, 19776), (593, 19791), (595, 19797), (597, 19806), (605, 19827), (613, 19848), (624, 19872), (648, 19893), (651, 19899), (662, 19932), (667, 19947), (673, 19959), (688, 19989), (694, 20001), (706, 20031), (712, 20043), (753, 20130), (765, 20163), (774, 20193), (782, 20226), (788, 20238), (879, 20457), (881, 20466), (887, 20475), (928, 20586), (935, 20616), (949, 20697), (981, 20838),

Gene: Louie6_27 Start: 16066, Stop: 19092, Start Num: 35

Candidate Starts for Louie6_27:

(29, 16012), (Start: 35 @16066 has 84 MA's), (57, 16180), (79, 16246), (81, 16249), (85, 16258), (97, 16294), (113, 16345), (141, 16417), (174, 16489), (218, 16609), (220, 16612), (243, 16681), (260, 16726), (299, 16819), (305, 16828), (311, 16846), (321, 16873), (337, 16936), (341, 16948), (349, 16981), (353, 16999), (366, 17065), (367, 17068), (369, 17074), (373, 17089), (376, 17098), (378, 17110), (380, 17119), (393, 17197), (397, 17212), (425, 17329), (426, 17332), (430, 17359), (432, 17371), (447, 17425), (453, 17446), (468, 17512), (475, 17551), (501, 17644), (520, 17692), (538, 17737), (570, 17785), (581, 17827), (582, 17836), (593, 17866), (594, 17869), (597, 17881), (618, 17938), (623, 17944), (644, 17965), (648, 17968), (706, 18106), (712, 18118), (743, 18178), (763, 18235), (808, 18373), (812, 18394), (817, 18418), (828, 18463), (836, 18481), (852, 18529), (855, 18541), (877, 18583), (894, 18646), (914, 18703), (927, 18772), (936, 18808), (950, 18889), (980, 19024),

Gene: Iowa_27 Start: 15971, Stop: 18997, Start Num: 35

Candidate Starts for Iowa_27:

(29, 15917), (Start: 35 @15971 has 84 MA's), (57, 16085), (79, 16151), (81, 16154), (85, 16163), (97, 16199), (113, 16250), (141, 16322), (174, 16394), (218, 16514), (220, 16517), (243, 16586), (260, 16631), (299, 16724), (305, 16733), (311, 16751), (321, 16778), (337, 16841), (341, 16853), (349, 16886), (353, 16904), (366, 16970), (367, 16973), (369, 16979), (373, 16994), (376, 17003), (378, 17015), (380, 17024), (397, 17117), (425, 17234), (426, 17237), (430, 17264), (432, 17276), (447, 17330), (453, 17351), (468, 17417), (472, 17444), (501, 17549), (520, 17597), (538, 17642), (570, 17690), (581, 17732), (582, 17741), (593, 17771), (594, 17774), (597, 17786), (618, 17843), (623, 17849), (644, 17870), (648, 17873), (706, 18011), (712, 18023), (743, 18083), (765, 18143), (774, 18173), (775, 18176), (777, 18185), (808, 18278), (828, 18368), (852, 18434), (855, 18446), (877, 18488), (894, 18551), (914, 18608), (927, 18677), (936, 18713), (950, 18794), (980, 18929),

Gene: Luchador_27 Start: 16953, Stop: 19361, Start Num: 209

Candidate Starts for Luchador_27:

(Start: 209 @16953 has 7 MA's), (Start: 215 @16971 has 5 MA's), (226, 17004), (255, 17106), (264, 17148), (275, 17190), (278, 17202), (315, 17316), (327, 17370), (341, 17415), (356, 17478), (362, 17511), (378, 17577), (383, 17607), (442, 17832), (533, 18030), (539, 18045), (568, 18078), (641, 18264), (705, 18420), (772, 18561), (791, 18621), (798, 18654), (801, 18666), (812, 18699), (815, 18708), (848, 18822), (863, 18840), (868, 18852), (878, 18876), (898, 18930), (902, 18942), (926, 19047), (948, 19158), (962, 19233), (981, 19299), (986, 19335),

Gene: Lucivia_26 Start: 17212, Stop: 19758, Start Num: 125

Candidate Starts for Lucivia_26:

(Start: 125 @17212 has 22 MA's), (Start: 131 @17230 has 2 MA's), (Start: 188 @17404 has 18 MA's), (192, 17413), (233, 17488), (291, 17542), (308, 17596), (313, 17611), (314, 17614), (321, 17632), (337, 17695), (341, 17707), (356, 17770), (369, 17833), (373, 17848), (376, 17857), (380, 17878), (384, 17902), (387, 17917), (408, 18004), (410, 18007), (416, 18022), (422, 18043), (424, 18055), (440, 18121), (464, 18193), (473, 18217), (503, 18298), (506, 18307), (510, 18319), (522, 18361), (562, 18418), (580, 18472), (618, 18580), (638, 18619), (698, 18760), (742, 18856), (746, 18877), (760, 18910), (773, 18943), (774, 18946), (807, 19030), (819, 19075), (820, 19078), (854, 19192), (864, 19225), (888, 19297), (902, 19333), (919, 19405), (935, 19483), (944, 19537), (949, 19561), (976, 19672),

Gene: Lucyedi_27 Start: 16773, Stop: 19835, Start Num: 3

Candidate Starts for Lucyedi_27:

(Start: 3 @16773 has 3 MA's), (12, 16947), (28, 17064), (65, 17241), (115, 17397), (121, 17403), (157, 17505), (202, 17601), (236, 17709), (240, 17715), (312, 17829), (331, 17895), (339, 17922), (356, 17991), (362, 18024), (363, 18027), (381, 18114), (382, 18117), (397, 18195), (417, 18255), (552, 18549), (576, 18579), (577, 18582), (653, 18735), (734, 18912), (739, 18924), (808, 19119), (812, 19140), (839, 19233), (852, 19260), (857, 19281), (864, 19302), (935, 19560), (945, 19617), (966, 19728),

Gene: LugYA_29 Start: 15979, Stop: 19005, Start Num: 35

Candidate Starts for LugYA_29:

(29, 15925), (Start: 35 @15979 has 84 MA's), (57, 16093), (79, 16159), (81, 16162), (85, 16171), (97, 16207), (113, 16258), (141, 16330), (174, 16402), (218, 16522), (220, 16525), (243, 16594), (260, 16639), (299, 16732), (305, 16741), (311, 16759), (321, 16786), (337, 16849), (341, 16861), (349, 16894), (353, 16912), (366, 16978), (367, 16981), (369, 16987), (373, 17002), (376, 17011), (378, 17023), (380, 17032), (393, 17110), (397, 17125), (425, 17242), (426, 17245), (430, 17272), (432, 17284), (447, 17338), (453, 17359), (468, 17425), (475, 17464), (501, 17557), (520, 17605), (538, 17650), (570, 17698), (581, 17740), (582, 17749), (593, 17779), (594, 17782), (597, 17794), (618, 17851), (623, 17857), (644, 17878), (648, 17881), (706, 18019), (712, 18031), (743, 18091), (763, 18148), (808, 18286), (812, 18307), (817, 18331), (828, 18376), (836, 18394), (852, 18442), (855, 18454), (877, 18496), (894, 18559), (914, 18616), (927, 18685), (936, 18721), (950, 18802), (980,

18937),

Gene: LunarLander_24 Start: 16065, Stop: 18725, Start Num: 167

Candidate Starts for LunarLander_24:

(Start: 167 @16065 has 215 MA's), (181, 16104), (211, 16167), (213, 16173), (Start: 223 @16197 has 23 MA's), (233, 16239), (356, 16548), (369, 16611), (380, 16656), (385, 16680), (400, 16755), (403, 16767), (504, 17088), (610, 17418), (629, 17469), (642, 17496), (719, 17700), (762, 17814), (765, 17823), (772, 17844), (777, 17865), (808, 17964), (819, 18006), (820, 18009), (860, 18138), (888, 18222), (904, 18267), (937, 18438), (940, 18456), (958, 18549), (975, 18636), (982, 18675), (984, 18690),

Gene: Lunsford_26 Start: 15882, Stop: 18482, Start Num: 165

Candidate Starts for Lunsford_26:

(Start: 165 @15882 has 118 MA's), (Start: 223 @16023 has 23 MA's), (Start: 228 @16041 has 10 MA's), (278, 16248), (291, 16287), (298, 16317), (333, 16434), (341, 16461), (356, 16524), (369, 16587), (380, 16632), (387, 16674), (405, 16758), (506, 17025), (533, 17076), (566, 17121), (595, 17199), (610, 17232), (612, 17238), (686, 17406), (695, 17427), (704, 17451), (731, 17517), (749, 17571), (765, 17619), (785, 17685), (828, 17850), (836, 17868), (882, 17994), (943, 18246), (944, 18249), (946, 18258), (958, 18318), (980, 18414), (986, 18462),

Gene: MA5_25 Start: 15111, Stop: 18149, Start Num: 33

Candidate Starts for MA5_25:

(Start: 33 @15111 has 33 MA's), (73, 15285), (92, 15330), (174, 15540), (220, 15663), (299, 15870), (321, 15924), (341, 15999), (349, 16032), (353, 16050), (356, 16062), (371, 16128), (378, 16161), (380, 16170), (387, 16212), (397, 16263), (425, 16380), (432, 16422), (447, 16476), (453, 16497), (468, 16563), (472, 16590), (520, 16743), (546, 16803), (569, 16833), (581, 16878), (582, 16887), (593, 16917), (597, 16932), (605, 16953), (613, 16974), (614, 16977), (618, 16989), (644, 17016), (648, 17019), (658, 17040), (682, 17103), (712, 17169), (743, 17229), (759, 17268), (774, 17319), (775, 17322), (777, 17331), (784, 17355), (808, 17424), (812, 17445), (828, 17514), (836, 17532), (852, 17580), (855, 17592), (877, 17634), (880, 17646), (893, 17694), (936, 17865), (950, 17946), (980, 18081), (981, 18093), (986, 18129),

Gene: MK4_25 Start: 15408, Stop: 18452, Start Num: 33

Candidate Starts for MK4_25:

(Start: 33 @15408 has 33 MA's), (73, 15582), (81, 15594), (174, 15837), (218, 15957), (220, 15960), (302, 16182), (321, 16227), (341, 16302), (349, 16335), (353, 16353), (356, 16365), (371, 16431), (378, 16464), (380, 16473), (387, 16515), (397, 16566), (425, 16683), (432, 16725), (447, 16779), (453, 16800), (466, 16857), (468, 16866), (498, 16992), (501, 16998), (508, 17025), (538, 17091), (546, 17106), (569, 17136), (570, 17139), (582, 17190), (586, 17202), (594, 17223), (597, 17235), (605, 17256), (618, 17292), (644, 17319), (660, 17352), (663, 17364), (682, 17406), (712, 17472), (743, 17532), (759, 17571), (774, 17622), (775, 17625), (777, 17634), (784, 17658), (808, 17727), (812, 17748), (828, 17817), (836, 17835), (852, 17883), (855, 17895), (877, 17937), (880, 17949), (893, 17997), (936, 18168), (946, 18228), (950, 18249), (980, 18384), (981, 18396), (986, 18432),

Gene: MPlant7149_23 Start: 15925, Stop: 18405, Start Num: 167

Candidate Starts for MPlant7149_23:

(Start: 167 @15925 has 215 MA's), (181, 15964), (211, 16027), (Start: 223 @16057 has 23 MA's), (233, 16099), (327, 16306), (333, 16324), (356, 16414), (369, 16477), (376, 16501), (378, 16513), (387, 16564), (537, 16948), (592, 17050), (606, 17089), (610, 17104), (614, 17116), (623, 17140), (672, 17269), (718, 17368), (757, 17470), (765, 17491), (777, 17533), (808, 17632), (823, 17695), (852, 17785), (892, 17914), (903, 17947), (958, 18229), (970, 18295), (975, 18316), (982, 18355), (984, 18370),

Gene: MaCh_26 Start: 17154, Stop: 19700, Start Num: 125

Candidate Starts for MaCh_26:

(Start: 125 @17154 has 22 MA's), (Start: 131 @17172 has 2 MA's), (Start: 188 @17346 has 18 MA's),
(192, 17355), (233, 17430), (291, 17484), (308, 17538), (313, 17553), (314, 17556), (321, 17574),
(337, 17637), (341, 17649), (356, 17712), (369, 17775), (373, 17790), (376, 17799), (380, 17820),
(384, 17844), (387, 17859), (408, 17946), (410, 17949), (416, 17964), (422, 17985), (424, 17997),
(440, 18063), (464, 18135), (473, 18159), (503, 18240), (506, 18249), (510, 18261), (522, 18303),
(562, 18360), (580, 18414), (618, 18522), (638, 18561), (698, 18702), (742, 18798), (746, 18819),
(760, 18852), (773, 18885), (774, 18888), (807, 18972), (819, 19017), (820, 19020), (854, 19134),
(864, 19167), (888, 19239), (902, 19275), (919, 19347), (935, 19425), (944, 19479), (949, 19503),
(976, 19614),

Gene: Mabel_26 Start: 17215, Stop: 19761, Start Num: 125

Candidate Starts for Mabel_26:

(Start: 125 @17215 has 22 MA's), (Start: 131 @17233 has 2 MA's), (Start: 188 @17407 has 18 MA's),
(192, 17416), (233, 17491), (291, 17545), (308, 17599), (313, 17614), (314, 17617), (321, 17635),
(337, 17698), (341, 17710), (356, 17773), (369, 17836), (373, 17851), (376, 17860), (380, 17881),
(384, 17905), (387, 17920), (408, 18007), (410, 18010), (416, 18025), (422, 18046), (424, 18058),
(440, 18124), (464, 18196), (473, 18220), (503, 18301), (506, 18310), (510, 18322), (522, 18364),
(562, 18421), (580, 18475), (618, 18583), (638, 18622), (698, 18763), (742, 18859), (746, 18880),
(760, 18913), (773, 18946), (774, 18949), (807, 19033), (819, 19078), (820, 19081), (854, 19195),
(864, 19228), (888, 19300), (902, 19336), (919, 19408), (935, 19486), (944, 19540), (949, 19564),
(976, 19675),

Gene: MadMarie_27 Start: 15981, Stop: 19007, Start Num: 35

Candidate Starts for MadMarie_27:

(29, 15927), (Start: 35 @15981 has 84 MA's), (57, 16095), (79, 16161), (81, 16164), (85, 16173), (97,
16209), (113, 16260), (141, 16332), (174, 16404), (218, 16524), (220, 16527), (243, 16596), (260,
16641), (299, 16734), (305, 16743), (311, 16761), (321, 16788), (337, 16851), (341, 16863), (349,
16896), (353, 16914), (366, 16980), (367, 16983), (369, 16989), (373, 17004), (376, 17013), (378,
17025), (380, 17034), (397, 17127), (425, 17244), (426, 17247), (430, 17274), (432, 17286), (447,
17340), (453, 17361), (468, 17427), (472, 17454), (501, 17559), (520, 17607), (538, 17652), (570,
17700), (581, 17742), (582, 17751), (593, 17781), (594, 17784), (597, 17796), (618, 17853), (623,
17859), (644, 17880), (648, 17883), (706, 18021), (712, 18033), (743, 18093), (765, 18153), (774,
18183), (775, 18186), (777, 18195), (808, 18288), (828, 18378), (852, 18444), (855, 18456), (877,
18498), (894, 18561), (914, 18618), (927, 18687), (936, 18723), (950, 18804), (980, 18939),

Gene: Magnar_24 Start: 16072, Stop: 18555, Start Num: 167

Candidate Starts for Magnar_24:

(Start: 167 @16072 has 215 MA's), (181, 16111), (211, 16174), (Start: 223 @16204 has 23 MA's),
(233, 16246), (327, 16453), (333, 16471), (356, 16561), (369, 16624), (376, 16648), (378, 16660),
(387, 16711), (537, 17095), (592, 17197), (606, 17236), (614, 17263), (623, 17287), (711, 17491),
(718, 17503), (726, 17518), (763, 17635), (777, 17680), (782, 17701), (784, 17704), (828, 17869),
(848, 17935), (864, 17977), (923, 18187), (937, 18268), (958, 18379), (970, 18445), (975, 18466),
(982, 18505), (984, 18520),

Gene: Magnito_23 Start: 15836, Stop: 18307, Start Num: 167

Candidate Starts for Magnito_23:

(Start: 167 @15836 has 215 MA's), (181, 15875), (211, 15938), (Start: 223 @15968 has 23 MA's),
(229, 15989), (233, 16010), (236, 16022), (273, 16040), (303, 16130), (356, 16328), (362, 16361),
(378, 16427), (440, 16682), (453, 16703), (460, 16730), (549, 16889), (575, 16925), (610, 17018),
(617, 17039), (642, 17096), (687, 17216), (703, 17252), (718, 17282), (732, 17318), (757, 17384),
(765, 17405), (808, 17546), (848, 17687), (857, 17708), (923, 17939), (937, 18020), (958, 18131),

(975, 18218), (982, 18257), (986, 18287),

Gene: Mainiac_27 Start: 15972, Stop: 18998, Start Num: 35

Candidate Starts for Mainiac_27:

(29, 15918), (Start: 35 @15972 has 84 MA's), (57, 16086), (79, 16152), (81, 16155), (85, 16164), (97, 16200), (113, 16251), (141, 16323), (174, 16395), (218, 16515), (220, 16518), (243, 16587), (260, 16632), (299, 16725), (305, 16734), (311, 16752), (321, 16779), (337, 16842), (341, 16854), (349, 16887), (353, 16905), (366, 16971), (367, 16974), (369, 16980), (373, 16995), (376, 17004), (378, 17016), (380, 17025), (397, 17118), (425, 17235), (426, 17238), (430, 17265), (432, 17277), (447, 17331), (453, 17352), (468, 17418), (472, 17445), (501, 17550), (520, 17598), (538, 17643), (570, 17691), (581, 17733), (582, 17742), (593, 17772), (594, 17775), (597, 17787), (618, 17844), (623, 17850), (644, 17871), (648, 17874), (706, 18012), (712, 18024), (743, 18084), (765, 18144), (774, 18174), (775, 18177), (777, 18186), (808, 18279), (828, 18369), (852, 18435), (855, 18447), (877, 18489), (894, 18552), (914, 18609), (927, 18678), (936, 18714), (950, 18795), (980, 18930),

Gene: MajorMajor_25 Start: 15528, Stop: 18041, Start Num: 120

Candidate Starts for MajorMajor_25:

(Start: 120 @15528 has 91 MA's), (175, 15639), (200, 15705), (203, 15708), (205, 15711), (296, 15897), (299, 15906), (305, 15915), (341, 16035), (353, 16086), (364, 16143), (367, 16155), (369, 16161), (373, 16176), (378, 16197), (380, 16206), (388, 16254), (425, 16416), (430, 16446), (432, 16458), (443, 16497), (447, 16512), (453, 16533), (466, 16590), (468, 16599), (472, 16626), (498, 16725), (538, 16824), (546, 16839), (582, 16923), (590, 16944), (605, 16989), (644, 17052), (648, 17055), (666, 17106), (673, 17121), (743, 17265), (753, 17292), (774, 17355), (778, 17370), (788, 17400), (817, 17496), (842, 17562), (881, 17625), (944, 17820), (945, 17823), (949, 17844),

Gene: Makemake_24 Start: 17552, Stop: 20023, Start Num: 167

Candidate Starts for Makemake_24:

(Start: 167 @17552 has 215 MA's), (181, 17591), (211, 17654), (Start: 223 @17684 has 23 MA's), (229, 17705), (233, 17726), (273, 17756), (280, 17780), (303, 17846), (356, 18044), (362, 18077), (378, 18143), (440, 18398), (453, 18419), (460, 18446), (498, 18542), (533, 18572), (610, 18734), (617, 18755), (642, 18812), (687, 18932), (703, 18968), (718, 18998), (732, 19034), (757, 19100), (765, 19121), (777, 19163), (808, 19262), (848, 19403), (857, 19424), (901, 19559), (937, 19736), (958, 19847), (970, 19913), (975, 19934), (982, 19973), (984, 19988),

Gene: Malec_27 Start: 16899, Stop: 19439, Start Num: 120

Candidate Starts for Malec_27:

(Start: 120 @16899 has 91 MA's), (203, 17079), (289, 17244), (292, 17250), (296, 17271), (299, 17280), (321, 17334), (324, 17346), (328, 17367), (341, 17409), (357, 17481), (373, 17553), (376, 17562), (380, 17583), (383, 17604), (384, 17607), (387, 17625), (398, 17685), (404, 17712), (425, 17793), (432, 17835), (435, 17844), (438, 17853), (439, 17856), (447, 17889), (450, 17901), (453, 17910), (467, 17973), (468, 17976), (472, 18003), (475, 18015), (538, 18201), (569, 18246), (582, 18300), (586, 18312), (590, 18321), (595, 18336), (605, 18366), (614, 18390), (617, 18399), (618, 18402), (644, 18429), (654, 18444), (662, 18471), (670, 18492), (673, 18498), (712, 18582), (743, 18642), (753, 18669), (774, 18732), (827, 18915), (835, 18927), (879, 18996), (881, 19005), (887, 19014), (928, 19125), (935, 19155), (942, 19209), (949, 19239), (989, 19425),

Gene: Malinsilva_29 Start: 15971, Stop: 18997, Start Num: 35

Candidate Starts for Malinsilva_29:

(29, 15917), (Start: 35 @15971 has 84 MA's), (57, 16085), (79, 16151), (81, 16154), (85, 16163), (97, 16199), (113, 16250), (141, 16322), (174, 16394), (218, 16514), (220, 16517), (243, 16586), (260, 16631), (299, 16724), (305, 16733), (311, 16751), (321, 16778), (337, 16841), (341, 16853), (349, 16886), (353, 16904), (366, 16970), (367, 16973), (369, 16979), (373, 16994), (376, 17003), (378, 17015), (380, 17024), (397, 17117), (425, 17234), (426, 17237), (430, 17264), (432, 17276), (447,

17330), (453, 17351), (468, 17417), (472, 17444), (501, 17549), (520, 17597), (538, 17642), (570, 17690), (581, 17732), (582, 17741), (593, 17771), (594, 17774), (597, 17786), (618, 17843), (623, 17849), (644, 17870), (648, 17873), (706, 18011), (712, 18023), (743, 18083), (765, 18143), (774, 18173), (775, 18176), (777, 18185), (808, 18278), (828, 18368), (852, 18434), (855, 18446), (877, 18488), (894, 18551), (914, 18608), (927, 18677), (936, 18713), (950, 18794), (980, 18929),

Gene: Maminiaina_27 Start: 17320, Stop: 20244, Start Num: 51

Candidate Starts for Maminiaina_27:

(Start: 51 @17320 has 33 MA's), (54, 17332), (59, 17356), (63, 17368), (127, 17557), (153, 17620), (182, 17683), (194, 17725), (220, 17782), (222, 17788), (301, 17998), (305, 18004), (310, 18019), (326, 18070), (336, 18109), (341, 18124), (352, 18166), (353, 18175), (362, 18220), (367, 18244), (380, 18295), (383, 18316), (384, 18319), (387, 18337), (419, 18466), (425, 18505), (429, 18532), (432, 18547), (440, 18577), (447, 18601), (453, 18622), (468, 18688), (475, 18727), (501, 18820), (508, 18847), (538, 18913), (569, 18958), (590, 19033), (605, 19078), (613, 19099), (623, 19120), (624, 19123), (640, 19132), (644, 19141), (648, 19144), (651, 19150), (696, 19258), (701, 19270), (736, 19336), (774, 19444), (788, 19489), (792, 19501), (803, 19537), (805, 19540), (817, 19585), (825, 19621), (830, 19636), (846, 19687), (877, 19750), (893, 19810), (909, 19852), (927, 19930), (934, 19957), (936, 19966), (944, 20017), (962, 20116), (968, 20143), (981, 20182), (987, 20224),

Gene: Manatee_25 Start: 16575, Stop: 18575, Start Num: 167

Candidate Starts for Manatee_25:

(Start: 167 @16575 has 215 MA's), (181, 16614), (211, 16677), (Start: 223 @16707 has 23 MA's), (229, 16728), (277, 16788), (307, 16884), (327, 16953), (331, 16965), (356, 17061), (362, 17094), (419, 17328), (575, 17616), (627, 17718), (630, 17730), (665, 17808), (685, 17850), (713, 17904), (718, 17916), (726, 17931), (731, 17949), (736, 17961), (770, 18039), (777, 18069), (808, 18165), (870, 18375), (918, 18525),

Gene: Manu_28 Start: 16057, Stop: 19083, Start Num: 35

Candidate Starts for Manu_28:

(29, 16003), (Start: 35 @16057 has 84 MA's), (57, 16171), (79, 16237), (81, 16240), (85, 16249), (97, 16285), (113, 16336), (141, 16408), (174, 16480), (218, 16600), (220, 16603), (243, 16672), (260, 16717), (299, 16810), (305, 16819), (321, 16864), (330, 16903), (337, 16927), (341, 16939), (349, 16972), (353, 16990), (357, 17011), (367, 17059), (369, 17065), (373, 17080), (376, 17089), (378, 17101), (380, 17110), (397, 17203), (421, 17290), (425, 17320), (426, 17323), (430, 17350), (432, 17362), (447, 17416), (453, 17437), (461, 17467), (468, 17503), (498, 17629), (520, 17683), (538, 17728), (570, 17776), (581, 17818), (582, 17827), (593, 17857), (618, 17929), (623, 17935), (644, 17956), (648, 17959), (654, 17971), (702, 18088), (706, 18097), (743, 18169), (744, 18172), (759, 18208), (774, 18259), (775, 18262), (777, 18271), (828, 18454), (852, 18520), (855, 18532), (877, 18574), (894, 18637), (914, 18694), (927, 18763), (936, 18799), (950, 18880), (980, 19015), (981, 19027),

Gene: MarQuardt_27 Start: 15980, Stop: 19006, Start Num: 35

Candidate Starts for MarQuardt_27:

(29, 15926), (Start: 35 @15980 has 84 MA's), (57, 16094), (79, 16160), (81, 16163), (85, 16172), (97, 16208), (113, 16259), (141, 16331), (174, 16403), (218, 16523), (220, 16526), (243, 16595), (260, 16640), (299, 16733), (305, 16742), (311, 16760), (321, 16787), (337, 16850), (341, 16862), (349, 16895), (353, 16913), (366, 16979), (367, 16982), (369, 16988), (373, 17003), (376, 17012), (378, 17024), (380, 17033), (393, 17111), (397, 17126), (425, 17243), (426, 17246), (430, 17273), (432, 17285), (447, 17339), (453, 17360), (468, 17426), (475, 17465), (501, 17558), (520, 17606), (538, 17651), (570, 17699), (581, 17741), (582, 17750), (593, 17780), (594, 17783), (597, 17795), (618, 17852), (623, 17858), (644, 17879), (648, 17882), (706, 18020), (712, 18032), (743, 18092), (763, 18149), (808, 18287), (812, 18308), (817, 18332), (828, 18377), (836, 18395), (852, 18443), (855, 18455), (877, 18497), (894, 18560), (914, 18617), (927, 18686), (936, 18722), (950, 18803), (980,

18938),

Gene: Marcell_24 Start: 16585, Stop: 19065, Start Num: 167

Candidate Starts for Marcell_24:

(Start: 167 @16585 has 215 MA's), (181, 16624), (211, 16687), (Start: 223 @16717 has 23 MA's), (233, 16759), (327, 16966), (333, 16984), (356, 17074), (369, 17137), (376, 17161), (378, 17173), (387, 17224), (537, 17608), (592, 17710), (606, 17749), (614, 17776), (623, 17800), (718, 18028), (757, 18130), (765, 18151), (777, 18193), (808, 18292), (823, 18355), (892, 18574), (903, 18607), (937, 18778), (958, 18889), (975, 18976), (982, 19015), (984, 19030),

Gene: Marchesa_25 Start: 15546, Stop: 18584, Start Num: 33

Candidate Starts for Marchesa_25:

(Start: 33 @15546 has 33 MA's), (73, 15720), (81, 15732), (92, 15765), (174, 15975), (220, 16098), (226, 16119), (299, 16305), (321, 16359), (337, 16422), (341, 16434), (349, 16467), (353, 16485), (367, 16554), (369, 16560), (373, 16575), (376, 16584), (378, 16596), (380, 16605), (397, 16698), (425, 16815), (426, 16818), (430, 16845), (432, 16857), (447, 16911), (453, 16932), (458, 16953), (468, 16998), (475, 17037), (520, 17178), (538, 17223), (546, 17238), (581, 17313), (582, 17322), (593, 17352), (597, 17367), (598, 17370), (605, 17388), (613, 17409), (614, 17412), (623, 17430), (644, 17451), (648, 17454), (682, 17538), (712, 17604), (723, 17625), (743, 17664), (759, 17703), (774, 17754), (775, 17757), (777, 17766), (784, 17790), (808, 17859), (812, 17880), (828, 17949), (836, 17967), (852, 18015), (855, 18027), (877, 18069), (880, 18081), (893, 18129), (936, 18300), (940, 18330), (946, 18360), (950, 18381), (980, 18516), (981, 18528), (986, 18564),

Gene: Marchy_23 Start: 15902, Stop: 18370, Start Num: 167

Candidate Starts for Marchy_23:

(Start: 167 @15902 has 215 MA's), (174, 15917), (Start: 223 @16031 has 23 MA's), (229, 16052), (233, 16073), (273, 16103), (303, 16193), (356, 16391), (362, 16424), (378, 16490), (440, 16745), (453, 16766), (460, 16793), (549, 16952), (575, 16988), (610, 17081), (617, 17102), (623, 17117), (630, 17138), (632, 17141), (659, 17210), (672, 17246), (687, 17279), (703, 17315), (718, 17345), (732, 17381), (757, 17447), (765, 17468), (808, 17609), (848, 17750), (857, 17771), (901, 17906), (937, 18083), (958, 18194), (970, 18260), (975, 18281), (982, 18320), (986, 18350),

Gene: Marco3_24 Start: 16566, Stop: 18965, Start Num: 167

Candidate Starts for Marco3_24:

(Start: 167 @16566 has 215 MA's), (181, 16605), (211, 16668), (Start: 223 @16698 has 23 MA's), (229, 16719), (233, 16740), (236, 16752), (246, 16770), (303, 16860), (356, 17058), (362, 17091), (378, 17157), (452, 17412), (459, 17433), (464, 17460), (483, 17499), (537, 17556), (567, 17586), (645, 17748), (711, 17901), (718, 17913), (726, 17928), (763, 18045), (777, 18090), (782, 18111), (784, 18114), (823, 18264), (828, 18279), (848, 18345), (864, 18387), (923, 18597), (937, 18678), (958, 18789), (975, 18876), (982, 18915), (986, 18945),

Gene: Marge_25 Start: 16805, Stop: 19465, Start Num: 167

Candidate Starts for Marge_25:

(Start: 167 @16805 has 215 MA's), (181, 16844), (211, 16907), (213, 16913), (Start: 223 @16937 has 23 MA's), (233, 16979), (356, 17288), (369, 17351), (380, 17396), (385, 17420), (400, 17495), (403, 17507), (504, 17828), (610, 18158), (629, 18209), (642, 18236), (719, 18440), (762, 18554), (765, 18563), (772, 18584), (777, 18605), (808, 18704), (819, 18746), (820, 18749), (860, 18878), (888, 18962), (904, 19007), (958, 19289), (975, 19376), (982, 19415), (984, 19430),

Gene: Margo_26 Start: 16069, Stop: 19107, Start Num: 33

Candidate Starts for Margo_26:

(Start: 33 @16069 has 33 MA's), (73, 16243), (81, 16255), (92, 16288), (174, 16495), (181, 16516), (218, 16615), (220, 16618), (299, 16828), (305, 16837), (309, 16849), (321, 16882), (337, 16945),

(341, 16957), (349, 16990), (353, 17008), (357, 17029), (367, 17077), (369, 17083), (373, 17098), (376, 17107), (378, 17119), (380, 17128), (397, 17221), (425, 17338), (426, 17341), (430, 17368), (432, 17380), (447, 17434), (453, 17455), (468, 17521), (475, 17560), (520, 17701), (538, 17746), (581, 17836), (582, 17845), (593, 17875), (613, 17932), (618, 17947), (644, 17974), (648, 17977), (657, 17995), (702, 18106), (743, 18187), (763, 18244), (776, 18286), (808, 18382), (812, 18403), (817, 18427), (828, 18472), (836, 18490), (852, 18538), (855, 18550), (877, 18592), (880, 18604), (893, 18652), (936, 18823), (946, 18883), (948, 18895), (955, 18922), (958, 18943), (980, 19039), (986, 19087),

Gene: Marie_27 Start: 15978, Stop: 19004, Start Num: 35

Candidate Starts for Marie_27:

(29, 15924), (Start: 35 @15978 has 84 MA's), (57, 16092), (79, 16158), (81, 16161), (85, 16170), (97, 16206), (113, 16257), (141, 16329), (174, 16401), (218, 16521), (220, 16524), (243, 16593), (260, 16638), (299, 16731), (305, 16740), (311, 16758), (321, 16785), (337, 16848), (341, 16860), (349, 16893), (353, 16911), (366, 16977), (367, 16980), (369, 16986), (373, 17001), (376, 17010), (378, 17022), (380, 17031), (393, 17109), (397, 17124), (425, 17241), (426, 17244), (430, 17271), (432, 17283), (447, 17337), (453, 17358), (468, 17424), (475, 17463), (501, 17556), (520, 17604), (538, 17649), (570, 17697), (581, 17739), (582, 17748), (593, 17778), (594, 17781), (597, 17793), (618, 17850), (623, 17856), (644, 17877), (648, 17880), (706, 18018), (712, 18030), (743, 18090), (763, 18147), (808, 18285), (812, 18306), (817, 18330), (828, 18375), (836, 18393), (852, 18441), (855, 18453), (877, 18495), (894, 18558), (914, 18615), (927, 18684), (936, 18720), (950, 18801), (980, 18936),

Gene: Marius_28 Start: 16057, Stop: 19083, Start Num: 35

Candidate Starts for Marius_28:

(29, 16003), (Start: 35 @16057 has 84 MA's), (57, 16171), (79, 16237), (81, 16240), (85, 16249), (97, 16285), (113, 16336), (141, 16408), (174, 16480), (218, 16600), (220, 16603), (243, 16672), (260, 16717), (299, 16810), (305, 16819), (321, 16864), (330, 16903), (337, 16927), (341, 16939), (349, 16972), (353, 16990), (357, 17011), (367, 17059), (369, 17065), (373, 17080), (376, 17089), (378, 17101), (380, 17110), (397, 17203), (421, 17290), (425, 17320), (426, 17323), (430, 17350), (432, 17362), (447, 17416), (453, 17437), (461, 17467), (468, 17503), (498, 17629), (520, 17683), (538, 17728), (570, 17776), (581, 17818), (582, 17827), (593, 17857), (618, 17929), (623, 17935), (644, 17956), (648, 17959), (654, 17971), (702, 18088), (706, 18097), (743, 18169), (744, 18172), (759, 18208), (774, 18259), (775, 18262), (777, 18271), (828, 18454), (852, 18520), (855, 18532), (877, 18574), (894, 18637), (914, 18694), (927, 18763), (936, 18799), (950, 18880), (980, 19015), (981, 19027),

Gene: Maroc7_23 Start: 16098, Stop: 18569, Start Num: 167

Candidate Starts for Maroc7_23:

(Start: 167 @16098 has 215 MA's), (181, 16137), (211, 16200), (Start: 223 @16230 has 23 MA's), (229, 16251), (233, 16272), (236, 16284), (273, 16302), (303, 16392), (356, 16590), (362, 16623), (378, 16689), (440, 16944), (453, 16965), (460, 16992), (549, 17151), (575, 17187), (610, 17280), (617, 17301), (642, 17358), (687, 17478), (703, 17514), (718, 17544), (732, 17580), (757, 17646), (765, 17667), (808, 17808), (848, 17949), (857, 17970), (901, 18105), (937, 18282), (958, 18393), (975, 18480), (982, 18519), (986, 18549),

Gene: Marsha_24 Start: 16857, Stop: 19691, Start Num: 167

Candidate Starts for Marsha_24:

(Start: 167 @16857 has 215 MA's), (192, 16929), (300, 17172), (305, 17187), (319, 17232), (346, 17352), (350, 17370), (358, 17418), (366, 17463), (378, 17508), (379, 17511), (387, 17559), (429, 17742), (436, 17769), (458, 17853), (473, 17910), (480, 17928), (493, 17973), (504, 18009), (514, 18069), (534, 18117), (560, 18180), (561, 18183), (592, 18300), (604, 18336), (610, 18363), (614, 18375), (620, 18393), (626, 18408), (650, 18471), (697, 18600), (715, 18645), (725, 18678), (729,

18690), (774, 18819), (802, 18915), (827, 19002), (828, 19005), (836, 19023), (901, 19227), (937, 19404), (958, 19515), (975, 19602), (982, 19641), (986, 19671),

Gene: MaryBeth_24 Start: 16506, Stop: 18977, Start Num: 167

Candidate Starts for MaryBeth_24:

(Start: 167 @16506 has 215 MA's), (181, 16545), (211, 16608), (Start: 223 @16638 has 23 MA's), (229, 16659), (233, 16680), (236, 16692), (273, 16710), (303, 16800), (356, 16998), (362, 17031), (378, 17097), (440, 17352), (453, 17373), (460, 17400), (549, 17559), (575, 17595), (610, 17688), (617, 17709), (642, 17766), (687, 17886), (703, 17922), (718, 17952), (732, 17988), (757, 18054), (765, 18075), (808, 18216), (848, 18357), (857, 18378), (901, 18513), (937, 18690), (958, 18801), (975, 18888), (982, 18927), (984, 18942),

Gene: MarysWell_21 Start: 15213, Stop: 18551, Start Num: 1

Candidate Starts for MarysWell_21:

(Start: 1 @15213 has 39 MA's), (32, 15651), (Start: 129 @15963 has 2 MA's), (145, 16005), (152, 16041), (Start: 161 @16071 has 8 MA's), (184, 16128), (221, 16212), (236, 16275), (240, 16281), (304, 16383), (310, 16401), (337, 16494), (356, 16569), (365, 16614), (369, 16632), (380, 16677), (383, 16698), (429, 16890), (458, 16950), (484, 17028), (507, 17076), (554, 17154), (595, 17280), (598, 17292), (608, 17316), (634, 17379), (722, 17571), (731, 17601), (742, 17625), (745, 17637), (768, 17700), (808, 17823), (812, 17844), (819, 17865), (843, 17943), (852, 17964), (864, 18006), (872, 18027), (883, 18063), (902, 18114), (911, 18144), (925, 18207), (928, 18225), (943, 18306), (946, 18318), (948, 18330), (950, 18339), (961, 18393), (979, 18477), (983, 18516),

Gene: Maverick_25 Start: 15885, Stop: 18485, Start Num: 165

Candidate Starts for Maverick_25:

(Start: 165 @15885 has 118 MA's), (Start: 223 @16026 has 23 MA's), (Start: 228 @16044 has 10 MA's), (278, 16251), (291, 16290), (298, 16320), (333, 16437), (341, 16464), (356, 16527), (369, 16590), (380, 16635), (387, 16677), (405, 16761), (506, 17028), (533, 17079), (566, 17124), (595, 17202), (610, 17235), (612, 17241), (619, 17262), (686, 17409), (695, 17430), (704, 17454), (731, 17520), (749, 17574), (765, 17622), (785, 17688), (828, 17853), (836, 17871), (882, 17997), (943, 18249), (944, 18252), (946, 18261), (958, 18321), (980, 18417), (986, 18465),

Gene: Maxo_25 Start: 15883, Stop: 18483, Start Num: 165

Candidate Starts for Maxo_25:

(Start: 165 @15883 has 118 MA's), (Start: 223 @16024 has 23 MA's), (Start: 228 @16042 has 10 MA's), (278, 16249), (291, 16288), (298, 16318), (333, 16435), (341, 16462), (356, 16525), (369, 16588), (380, 16633), (387, 16675), (405, 16759), (506, 17026), (533, 17077), (566, 17122), (595, 17200), (612, 17239), (619, 17260), (686, 17407), (695, 17428), (704, 17452), (731, 17518), (749, 17572), (765, 17620), (785, 17686), (828, 17851), (836, 17869), (882, 17995), (943, 18247), (944, 18250), (946, 18259), (958, 18319), (980, 18415), (986, 18463),

Gene: Mayonnaise_25 Start: 15885, Stop: 18485, Start Num: 165

Candidate Starts for Mayonnaise_25:

(Start: 165 @15885 has 118 MA's), (Start: 223 @16026 has 23 MA's), (Start: 228 @16044 has 10 MA's), (278, 16251), (291, 16290), (298, 16320), (333, 16437), (341, 16464), (356, 16527), (369, 16590), (380, 16635), (387, 16677), (405, 16761), (506, 17028), (533, 17079), (566, 17124), (595, 17202), (612, 17241), (686, 17409), (695, 17430), (704, 17454), (731, 17520), (749, 17574), (765, 17622), (785, 17688), (828, 17853), (836, 17871), (882, 17997), (943, 18249), (944, 18252), (946, 18261), (958, 18321), (980, 18417), (986, 18465),

Gene: Mazhar510_25 Start: 15886, Stop: 18486, Start Num: 165

Candidate Starts for Mazhar510_25:

(Start: 165 @15886 has 118 MA's), (Start: 223 @16027 has 23 MA's), (Start: 228 @16045 has 10 MA's), (266, 16201), (278, 16252), (291, 16291), (298, 16321), (333, 16438), (341, 16465), (356, 16528), (369, 16591), (380, 16636), (387, 16678), (405, 16762), (506, 17029), (533, 17080), (566, 17125), (595, 17203), (610, 17236), (612, 17242), (662, 17356), (686, 17410), (704, 17455), (730, 17515), (749, 17575), (785, 17689), (828, 17854), (836, 17872), (882, 17998), (943, 18250), (944, 18253), (946, 18262), (958, 18322), (980, 18418), (986, 18466),

Gene: McFly_29 Start: 16735, Stop: 18939, Start Num: 128

Candidate Starts for McFly_29:

(69, 16576), (107, 16690), (Start: 128 @16735 has 47 MA's), (175, 16846), (176, 16852), (Start: 223 @16960 has 23 MA's), (233, 17002), (284, 17068), (316, 17161), (325, 17188), (356, 17311), (362, 17344), (382, 17434), (395, 17503), (473, 17746), (577, 17884), (670, 18004), (773, 18157), (808, 18220), (819, 18262), (852, 18361), (857, 18382), (864, 18403), (872, 18424), (888, 18475), (892, 18487), (899, 18502), (919, 18583), (935, 18661),

Gene: McGuire_25 Start: 16390, Stop: 18867, Start Num: 169

Candidate Starts for McGuire_25:

(Start: 169 @16390 has 9 MA's), (174, 16405), (Start: 223 @16519 has 23 MA's), (233, 16561), (327, 16768), (333, 16786), (356, 16876), (369, 16939), (376, 16963), (378, 16975), (387, 17026), (537, 17410), (592, 17512), (606, 17551), (614, 17578), (623, 17602), (672, 17731), (718, 17830), (757, 17932), (765, 17953), (777, 17995), (808, 18094), (823, 18157), (852, 18247), (892, 18376), (903, 18409), (937, 18580), (958, 18691), (970, 18757), (975, 18778), (982, 18817), (984, 18832),

Gene: McSinger_25 Start: 16766, Stop: 19237, Start Num: 167

Candidate Starts for McSinger_25:

(Start: 167 @16766 has 215 MA's), (181, 16805), (211, 16868), (Start: 223 @16898 has 23 MA's), (229, 16919), (233, 16940), (273, 16970), (280, 16994), (303, 17060), (356, 17258), (362, 17291), (378, 17357), (440, 17612), (453, 17633), (460, 17660), (549, 17819), (575, 17855), (610, 17948), (617, 17969), (642, 18026), (687, 18146), (703, 18182), (718, 18212), (732, 18248), (757, 18314), (765, 18335), (808, 18476), (848, 18617), (857, 18638), (901, 18773), (937, 18950), (958, 19061), (975, 19148), (982, 19187), (984, 19202),

Gene: Medusa_25 Start: 15886, Stop: 18486, Start Num: 165

Candidate Starts for Medusa_25:

(Start: 165 @15886 has 118 MA's), (Start: 223 @16027 has 23 MA's), (Start: 228 @16045 has 10 MA's), (278, 16252), (291, 16291), (298, 16321), (333, 16438), (341, 16465), (356, 16528), (369, 16591), (380, 16636), (387, 16678), (405, 16762), (506, 17029), (533, 17080), (566, 17125), (595, 17203), (610, 17236), (612, 17242), (658, 17338), (660, 17347), (686, 17410), (695, 17431), (705, 17458), (730, 17515), (731, 17521), (749, 17575), (765, 17623), (785, 17689), (828, 17854), (836, 17872), (882, 17998), (943, 18250), (944, 18253), (946, 18262), (958, 18322), (980, 18418), (986, 18466),

Gene: MeeZee_25 Start: 15885, Stop: 18485, Start Num: 165

Candidate Starts for MeeZee_25:

(Start: 165 @15885 has 118 MA's), (Start: 223 @16026 has 23 MA's), (Start: 228 @16044 has 10 MA's), (278, 16251), (291, 16290), (298, 16320), (333, 16437), (341, 16464), (356, 16527), (369, 16590), (380, 16635), (387, 16677), (405, 16761), (506, 17028), (533, 17079), (566, 17124), (595, 17202), (612, 17241), (662, 17355), (686, 17409), (704, 17454), (730, 17514), (736, 17532), (749, 17574), (765, 17622), (785, 17688), (828, 17853), (836, 17871), (882, 17997), (943, 18249), (944, 18252), (946, 18261), (958, 18321), (980, 18417), (986, 18465),

Gene: MegTheThird_25 Start: 15544, Stop: 18645, Start Num: 23

Candidate Starts for MegTheThird_25:

(23, 15544), (Start: 51 @15733 has 33 MA's), (54, 15745), (63, 15781), (104, 15898), (119, 15940), (175, 16066), (194, 16129), (218, 16183), (220, 16186), (265, 16312), (301, 16399), (307, 16411), (341, 16525), (345, 16546), (353, 16576), (362, 16621), (363, 16624), (366, 16642), (367, 16645), (373, 16666), (380, 16696), (381, 16708), (390, 16756), (397, 16789), (399, 16801), (425, 16906), (447, 17002), (450, 17014), (453, 17023), (456, 17032), (458, 17044), (463, 17068), (466, 17080), (468, 17089), (475, 17128), (479, 17152), (511, 17254), (516, 17260), (538, 17314), (590, 17434), (605, 17479), (613, 17500), (623, 17521), (624, 17524), (644, 17542), (648, 17545), (684, 17632), (774, 17845), (788, 17890), (792, 17902), (805, 17941), (822, 18007), (827, 18028), (828, 18031), (836, 18049), (840, 18070), (864, 18118), (877, 18151), (882, 18172), (890, 18199), (909, 18253), (927, 18331), (936, 18367), (944, 18418), (949, 18442), (962, 18517), (981, 18583), (987, 18625),

Gene: Melvin_25 Start: 15885, Stop: 18485, Start Num: 165

Candidate Starts for Melvin_25:

(Start: 165 @15885 has 118 MA's), (Start: 223 @16026 has 23 MA's), (Start: 228 @16044 has 10 MA's), (278, 16251), (291, 16290), (298, 16320), (333, 16437), (341, 16464), (356, 16527), (369, 16590), (380, 16635), (387, 16677), (405, 16761), (506, 17028), (533, 17079), (566, 17124), (595, 17202), (612, 17241), (619, 17262), (686, 17409), (695, 17430), (704, 17454), (730, 17514), (731, 17520), (732, 17523), (749, 17574), (765, 17622), (785, 17688), (828, 17853), (836, 17871), (882, 17997), (943, 18249), (944, 18252), (946, 18261), (958, 18321), (980, 18417), (986, 18465),

Gene: MetalQZJ_24 Start: 16506, Stop: 18977, Start Num: 167

Candidate Starts for MetalQZJ_24:

(Start: 167 @16506 has 215 MA's), (181, 16545), (211, 16608), (Start: 223 @16638 has 23 MA's), (229, 16659), (233, 16680), (236, 16692), (273, 16710), (303, 16800), (356, 16998), (362, 17031), (378, 17097), (440, 17352), (453, 17373), (460, 17400), (549, 17559), (575, 17595), (610, 17688), (617, 17709), (642, 17766), (687, 17886), (703, 17922), (718, 17952), (732, 17988), (757, 18054), (765, 18075), (808, 18216), (848, 18357), (857, 18378), (901, 18513), (937, 18690), (958, 18801), (975, 18888), (982, 18927), (984, 18942),

Gene: Methuselah_26 Start: 16062, Stop: 19088, Start Num: 35

Candidate Starts for Methuselah_26:

(29, 16008), (Start: 35 @16062 has 84 MA's), (57, 16176), (79, 16242), (81, 16245), (85, 16254), (97, 16290), (113, 16341), (141, 16413), (174, 16485), (218, 16605), (220, 16608), (243, 16677), (260, 16722), (299, 16815), (305, 16824), (311, 16842), (321, 16869), (337, 16932), (341, 16944), (349, 16977), (353, 16995), (366, 17061), (367, 17064), (369, 17070), (373, 17085), (376, 17094), (378, 17106), (380, 17115), (393, 17193), (397, 17208), (425, 17325), (426, 17328), (430, 17355), (432, 17367), (447, 17421), (453, 17442), (468, 17508), (475, 17547), (501, 17640), (520, 17688), (538, 17733), (570, 17781), (581, 17823), (582, 17832), (593, 17862), (594, 17865), (597, 17877), (618, 17934), (623, 17940), (644, 17961), (648, 17964), (706, 18102), (712, 18114), (743, 18174), (763, 18231), (808, 18369), (812, 18390), (817, 18414), (828, 18459), (836, 18477), (852, 18525), (855, 18537), (877, 18579), (894, 18642), (914, 18699), (927, 18768), (936, 18804), (950, 18885), (980, 19020),

Gene: Micasa_22 Start: 15213, Stop: 18557, Start Num: 1

Candidate Starts for Micasa_22:

(Start: 1 @15213 has 39 MA's), (32, 15651), (Start: 129 @15963 has 2 MA's), (152, 16041), (Start: 161 @16071 has 8 MA's), (184, 16128), (221, 16212), (236, 16275), (240, 16281), (310, 16401), (337, 16494), (356, 16569), (365, 16614), (369, 16632), (380, 16677), (383, 16698), (429, 16890), (484, 17028), (507, 17076), (554, 17154), (556, 17157), (582, 17253), (595, 17280), (608, 17316), (610, 17328), (634, 17385), (722, 17577), (731, 17607), (742, 17631), (745, 17643), (768, 17706), (808, 17829), (812, 17850), (819, 17871), (843, 17949), (852, 17970), (864, 18012), (872, 18033), (902, 18120), (911, 18150), (925, 18213), (928, 18231), (943, 18312), (946, 18324), (948, 18336), (950, 18345), (961, 18399), (979, 18483), (983, 18522),

Gene: Michley_24 Start: 16251, Stop: 18722, Start Num: 167

Candidate Starts for Michley_24:

(Start: 167 @16251 has 215 MA's), (181, 16290), (211, 16353), (Start: 223 @16383 has 23 MA's), (229, 16404), (233, 16425), (273, 16455), (280, 16479), (303, 16545), (356, 16743), (362, 16776), (378, 16842), (440, 17097), (453, 17118), (460, 17145), (549, 17304), (575, 17340), (610, 17433), (617, 17454), (623, 17469), (630, 17490), (632, 17493), (659, 17562), (672, 17598), (687, 17631), (703, 17667), (718, 17697), (732, 17733), (757, 17799), (765, 17820), (808, 17961), (848, 18102), (857, 18123), (901, 18258), (937, 18435), (958, 18546), (970, 18612), (975, 18633), (982, 18672), (984, 18687),

Gene: Microwolf_27 Start: 15980, Stop: 19006, Start Num: 35

Candidate Starts for Microwolf_27:

(29, 15926), (Start: 35 @15980 has 84 MA's), (57, 16094), (79, 16160), (81, 16163), (85, 16172), (97, 16208), (113, 16259), (141, 16331), (174, 16403), (218, 16523), (220, 16526), (243, 16595), (260, 16640), (299, 16733), (305, 16742), (311, 16760), (321, 16787), (337, 16850), (341, 16862), (349, 16895), (353, 16913), (366, 16979), (367, 16982), (369, 16988), (373, 17003), (376, 17012), (378, 17024), (380, 17033), (397, 17126), (425, 17243), (426, 17246), (430, 17273), (432, 17285), (447, 17339), (453, 17360), (468, 17426), (472, 17453), (501, 17558), (520, 17606), (538, 17651), (570, 17699), (581, 17741), (582, 17750), (593, 17780), (594, 17783), (597, 17795), (618, 17852), (623, 17858), (644, 17879), (648, 17882), (706, 18020), (712, 18032), (743, 18092), (765, 18152), (774, 18182), (775, 18185), (777, 18194), (808, 18287), (828, 18377), (852, 18443), (855, 18455), (877, 18497), (894, 18560), (914, 18617), (927, 18686), (936, 18722), (950, 18803), (980, 18938),

Gene: MiculUcigas_26 Start: 16672, Stop: 19179, Start Num: 120

Candidate Starts for MiculUcigas_26:

(Start: 120 @16672 has 91 MA's), (175, 16783), (195, 16840), (296, 17026), (321, 17089), (328, 17122), (330, 17128), (373, 17308), (376, 17317), (380, 17338), (383, 17359), (384, 17362), (387, 17380), (398, 17440), (425, 17548), (432, 17590), (447, 17644), (453, 17665), (467, 17728), (468, 17731), (470, 17749), (475, 17770), (538, 17956), (546, 17971), (568, 17998), (582, 18055), (587, 18070), (590, 18076), (593, 18085), (595, 18091), (605, 18121), (613, 18142), (648, 18187), (651, 18193), (662, 18226), (673, 18253), (706, 18325), (712, 18337), (743, 18397), (753, 18424), (774, 18487), (788, 18532), (792, 18544), (803, 18580), (815, 18616), (822, 18649), (864, 18712), (877, 18736), (930, 18880), (949, 18979), (964, 19066), (989, 19165),

Gene: Midas2_22 Start: 15213, Stop: 18551, Start Num: 1

Candidate Starts for Midas2_22:

(Start: 1 @15213 has 39 MA's), (32, 15651), (Start: 129 @15963 has 2 MA's), (152, 16041), (Start: 161 @16071 has 8 MA's), (184, 16128), (236, 16275), (240, 16281), (310, 16401), (313, 16410), (336, 16491), (337, 16494), (356, 16569), (365, 16614), (369, 16632), (380, 16677), (383, 16698), (429, 16890), (484, 17028), (507, 17076), (554, 17154), (595, 17280), (598, 17292), (608, 17316), (634, 17379), (722, 17571), (731, 17601), (742, 17625), (745, 17637), (768, 17700), (808, 17823), (812, 17844), (819, 17865), (843, 17943), (852, 17964), (864, 18006), (872, 18027), (902, 18114), (911, 18144), (925, 18207), (928, 18225), (943, 18306), (946, 18318), (948, 18330), (950, 18339), (961, 18393), (979, 18477), (983, 18516),

Gene: Miko_29 Start: 18238, Stop: 20766, Start Num: 120

Candidate Starts for Miko_29:

(Start: 120 @18238 has 91 MA's), (175, 18349), (178, 18361), (203, 18418), (205, 18421), (296, 18610), (321, 18673), (341, 18748), (352, 18790), (353, 18799), (357, 18820), (362, 18844), (378, 18910), (380, 18919), (383, 18940), (384, 18943), (425, 19129), (432, 19171), (453, 19246), (468, 19312), (475, 19351), (538, 19537), (582, 19636), (590, 19657), (605, 19702), (617, 19735), (618, 19738), (644, 19765), (662, 19807), (673, 19834), (706, 19906), (712, 19918), (750, 20002), (751,

20005), (774, 20068), (788, 20113), (792, 20125), (817, 20209), (835, 20263), (887, 20347), (908, 20371), (935, 20488), (949, 20566),

Gene: Milcery_22 Start: 15249, Stop: 18587, Start Num: 1

Candidate Starts for Milcery_22:

(Start: 1 @15249 has 39 MA's), (32, 15687), (Start: 129 @15999 has 2 MA's), (152, 16077), (Start: 161 @16107 has 8 MA's), (184, 16164), (221, 16248), (236, 16311), (240, 16317), (310, 16437), (336, 16527), (337, 16530), (356, 16605), (365, 16650), (369, 16668), (380, 16713), (383, 16734), (429, 16926), (484, 17064), (507, 17112), (554, 17190), (595, 17316), (598, 17328), (608, 17352), (634, 17415), (722, 17607), (731, 17637), (742, 17661), (745, 17673), (768, 17736), (808, 17859), (812, 17880), (819, 17901), (843, 17979), (852, 18000), (864, 18042), (872, 18063), (902, 18150), (911, 18180), (925, 18243), (928, 18261), (943, 18342), (946, 18354), (948, 18366), (950, 18375), (961, 18429), (979, 18513), (980, 18522), (983, 18552),

Gene: MilleFeuille_23 Start: 15848, Stop: 18682, Start Num: 167

Candidate Starts for MilleFeuille_23:

(Start: 167 @15848 has 215 MA's), (192, 15920), (300, 16163), (305, 16178), (319, 16223), (346, 16343), (350, 16361), (358, 16409), (366, 16454), (378, 16499), (379, 16502), (387, 16550), (429, 16733), (436, 16760), (458, 16844), (473, 16901), (480, 16919), (493, 16964), (504, 17000), (514, 17060), (534, 17108), (560, 17171), (561, 17174), (584, 17267), (592, 17291), (604, 17327), (610, 17354), (614, 17366), (620, 17384), (626, 17399), (650, 17462), (697, 17591), (715, 17636), (725, 17669), (729, 17681), (774, 17810), (802, 17906), (827, 17993), (828, 17996), (836, 18014), (901, 18218), (937, 18395), (958, 18506), (975, 18593), (982, 18632), (984, 18647),

Gene: Millski_24 Start: 15888, Stop: 18488, Start Num: 165

Candidate Starts for Millski_24:

(Start: 165 @15888 has 118 MA's), (Start: 223 @16029 has 23 MA's), (Start: 228 @16047 has 10 MA's), (278, 16254), (291, 16293), (298, 16323), (325, 16407), (333, 16440), (341, 16467), (356, 16530), (369, 16593), (380, 16638), (387, 16680), (405, 16764), (506, 17031), (533, 17082), (566, 17127), (595, 17205), (612, 17244), (686, 17412), (695, 17433), (704, 17457), (731, 17523), (749, 17577), (765, 17625), (785, 17691), (828, 17856), (836, 17874), (882, 18000), (943, 18252), (944, 18255), (946, 18264), (958, 18324), (980, 18420), (986, 18468),

Gene: MinecraftSteve_29 Start: 15877, Stop: 18231, Start Num: 134

Candidate Starts for MinecraftSteve_29:

(Start: 129 @15868 has 2 MA's), (Start: 134 @15877 has 4 MA's), (Start: 188 @16045 has 18 MA's), (310, 16285), (312, 16291), (332, 16360), (347, 16417), (380, 16561), (387, 16603), (396, 16651), (397, 16654), (428, 16765), (431, 16783), (473, 16888), (495, 16936), (563, 17041), (585, 17101), (611, 17155), (633, 17191), (646, 17215), (648, 17224), (671, 17287), (685, 17308), (692, 17323), (705, 17347), (710, 17359), (741, 17413), (746, 17434), (761, 17464), (833, 17635), (839, 17656), (872, 17740), (950, 18043), (980, 18166), (981, 18178),

Gene: Minispark_24 Start: 15668, Stop: 18586, Start Num: 51

Candidate Starts for Minispark_24:

(Start: 51 @15668 has 33 MA's), (54, 15680), (104, 15839), (119, 15881), (127, 15902), (182, 16028), (194, 16070), (218, 16124), (220, 16127), (265, 16253), (296, 16328), (299, 16337), (301, 16340), (307, 16352), (351, 16505), (353, 16517), (356, 16529), (357, 16538), (362, 16562), (366, 16583), (367, 16586), (373, 16607), (378, 16628), (380, 16637), (381, 16649), (390, 16697), (399, 16742), (425, 16847), (439, 16910), (446, 16940), (447, 16943), (453, 16964), (456, 16973), (458, 16985), (463, 17009), (468, 17030), (538, 17255), (545, 17267), (569, 17300), (590, 17375), (593, 17384), (605, 17420), (613, 17441), (614, 17444), (623, 17462), (624, 17465), (644, 17483), (648, 17486), (659, 17513), (667, 17540), (696, 17600), (736, 17678), (774, 17786), (788, 17831), (805, 17882), (825, 17963), (827, 17969), (830, 17978), (846, 18029), (877, 18092), (882, 18113), (893, 18152),

(909, 18194), (927, 18272), (934, 18299), (944, 18359), (949, 18383), (962, 18458), (981, 18524), (987, 18566),

Gene: Miramae_25 Start: 15828, Stop: 18428, Start Num: 165

Candidate Starts for Miramae_25:

(Start: 165 @15828 has 118 MA's), (Start: 234 @16011 has 1 MA's), (271, 16170), (284, 16218), (333, 16380), (338, 16398), (356, 16470), (380, 16578), (395, 16662), (471, 16911), (519, 16998), (533, 17022), (566, 17067), (610, 17178), (612, 17184), (669, 17316), (686, 17352), (695, 17373), (705, 17400), (730, 17457), (749, 17517), (785, 17631), (828, 17796), (836, 17814), (859, 17883), (882, 17940), (932, 18129), (944, 18195), (946, 18204), (958, 18264), (960, 18273), (965, 18309), (972, 18327), (980, 18360), (986, 18408),

Gene: Misomonster_29 Start: 16062, Stop: 19088, Start Num: 35

Candidate Starts for Misomonster_29:

(29, 16008), (Start: 35 @16062 has 84 MA's), (57, 16176), (79, 16242), (81, 16245), (85, 16254), (97, 16290), (113, 16341), (141, 16413), (174, 16485), (218, 16605), (220, 16608), (243, 16677), (260, 16722), (299, 16815), (305, 16824), (311, 16842), (321, 16869), (337, 16932), (341, 16944), (349, 16977), (353, 16995), (366, 17061), (367, 17064), (369, 17070), (373, 17085), (376, 17094), (378, 17106), (380, 17115), (393, 17193), (397, 17208), (425, 17325), (426, 17328), (430, 17355), (432, 17367), (447, 17421), (453, 17442), (468, 17508), (475, 17547), (501, 17640), (520, 17688), (538, 17733), (570, 17781), (581, 17823), (582, 17832), (593, 17862), (594, 17865), (597, 17877), (618, 17934), (623, 17940), (644, 17961), (648, 17964), (706, 18102), (712, 18114), (743, 18174), (763, 18231), (808, 18369), (812, 18390), (817, 18414), (828, 18459), (836, 18477), (852, 18525), (855, 18537), (877, 18579), (894, 18642), (914, 18699), (927, 18768), (936, 18804), (950, 18885), (980, 19020),

Gene: MissWhite_26 Start: 15738, Stop: 18245, Start Num: 120

Candidate Starts for MissWhite_26:

(Start: 120 @15738 has 91 MA's), (175, 15849), (200, 15915), (203, 15918), (300, 16095), (305, 16110), (308, 16119), (326, 16176), (341, 16230), (353, 16281), (367, 16350), (369, 16356), (373, 16371), (376, 16380), (378, 16392), (380, 16401), (399, 16506), (409, 16539), (425, 16611), (447, 16707), (453, 16728), (463, 16773), (468, 16794), (472, 16821), (498, 16920), (531, 17001), (538, 17019), (546, 17034), (568, 17061), (570, 17067), (582, 17118), (586, 17130), (590, 17139), (595, 17154), (605, 17184), (644, 17247), (648, 17250), (673, 17316), (694, 17358), (706, 17388), (712, 17400), (743, 17460), (744, 17463), (753, 17487), (763, 17517), (774, 17550), (792, 17607), (817, 17691), (868, 17787), (871, 17796), (917, 17892), (928, 17940), (935, 17970), (949, 18048),

Gene: Mkhuseli_25 Start: 16421, Stop: 18892, Start Num: 167

Candidate Starts for Mkhuseli_25:

(Start: 167 @16421 has 215 MA's), (181, 16460), (211, 16523), (Start: 223 @16553 has 23 MA's), (229, 16574), (233, 16595), (236, 16607), (273, 16625), (303, 16715), (356, 16913), (362, 16946), (378, 17012), (440, 17267), (453, 17288), (460, 17315), (549, 17474), (575, 17510), (610, 17603), (617, 17624), (642, 17681), (687, 17801), (703, 17837), (718, 17867), (732, 17903), (757, 17969), (765, 17990), (777, 18032), (808, 18131), (848, 18272), (857, 18293), (901, 18428), (923, 18524), (937, 18605), (958, 18716), (975, 18803), (982, 18842), (984, 18857),

Gene: Molly_25 Start: 16128, Stop: 18608, Start Num: 167

Candidate Starts for Molly_25:

(Start: 167 @16128 has 215 MA's), (181, 16167), (211, 16230), (Start: 223 @16260 has 23 MA's), (233, 16302), (327, 16509), (333, 16527), (356, 16617), (369, 16680), (376, 16704), (378, 16716), (387, 16767), (537, 17151), (592, 17253), (606, 17292), (610, 17307), (614, 17319), (623, 17343), (672, 17472), (718, 17571), (757, 17673), (765, 17694), (777, 17736), (808, 17835), (823, 17898), (852, 17988), (892, 18117), (903, 18150), (958, 18432), (970, 18498), (975, 18519), (982, 18558),

(984, 18573),

Gene: Monet_26 Start: 17622, Stop: 20093, Start Num: 167

Candidate Starts for Monet_26:

(Start: 167 @17622 has 215 MA's), (181, 17661), (211, 17724), (Start: 223 @17754 has 23 MA's), (229, 17775), (233, 17796), (236, 17808), (273, 17826), (303, 17916), (356, 18114), (362, 18147), (378, 18213), (440, 18468), (453, 18489), (460, 18516), (471, 18555), (498, 18612), (533, 18642), (549, 18675), (575, 18711), (610, 18804), (617, 18825), (642, 18882), (687, 19002), (703, 19038), (718, 19068), (732, 19104), (757, 19170), (765, 19191), (777, 19233), (807, 19329), (808, 19332), (823, 19395), (848, 19473), (857, 19494), (923, 19725), (937, 19806), (958, 19917), (975, 20004), (982, 20043), (986, 20073),

Gene: MoneyMay_27 Start: 15978, Stop: 19004, Start Num: 35

Candidate Starts for MoneyMay_27:

(29, 15924), (Start: 35 @15978 has 84 MA's), (57, 16092), (79, 16158), (81, 16161), (85, 16170), (97, 16206), (113, 16257), (141, 16329), (174, 16401), (218, 16521), (220, 16524), (243, 16593), (260, 16638), (299, 16731), (305, 16740), (311, 16758), (321, 16785), (337, 16848), (341, 16860), (349, 16893), (353, 16911), (366, 16977), (367, 16980), (369, 16986), (373, 17001), (376, 17010), (378, 17022), (380, 17031), (393, 17109), (397, 17124), (425, 17241), (426, 17244), (430, 17271), (432, 17283), (447, 17337), (453, 17358), (468, 17424), (475, 17463), (501, 17556), (520, 17604), (538, 17649), (570, 17697), (581, 17739), (582, 17748), (593, 17778), (594, 17781), (597, 17793), (618, 17850), (623, 17856), (644, 17877), (648, 17880), (706, 18018), (712, 18030), (743, 18090), (763, 18147), (808, 18285), (812, 18306), (817, 18330), (828, 18375), (836, 18393), (852, 18441), (855, 18453), (877, 18495), (894, 18558), (914, 18615), (927, 18684), (936, 18720), (950, 18801), (980, 18936),

Gene: Montavir_26 Start: 15979, Stop: 19005, Start Num: 35

Candidate Starts for Montavir_26:

(29, 15925), (Start: 35 @15979 has 84 MA's), (57, 16093), (79, 16159), (81, 16162), (85, 16171), (97, 16207), (113, 16258), (141, 16330), (174, 16402), (218, 16522), (220, 16525), (243, 16594), (260, 16639), (299, 16732), (305, 16741), (311, 16759), (321, 16786), (337, 16849), (341, 16861), (349, 16894), (353, 16912), (366, 16978), (367, 16981), (369, 16987), (373, 17002), (376, 17011), (378, 17023), (380, 17032), (393, 17110), (397, 17125), (425, 17242), (426, 17245), (430, 17272), (432, 17284), (447, 17338), (453, 17359), (468, 17425), (475, 17464), (501, 17557), (520, 17605), (538, 17650), (570, 17698), (581, 17740), (582, 17749), (593, 17779), (594, 17782), (597, 17794), (618, 17851), (623, 17857), (644, 17878), (648, 17881), (706, 18019), (712, 18031), (743, 18091), (763, 18148), (808, 18286), (812, 18307), (817, 18331), (828, 18376), (836, 18394), (852, 18442), (855, 18454), (877, 18496), (894, 18559), (914, 18616), (927, 18685), (936, 18721), (950, 18802), (980, 18937),

Gene: Moose_23 Start: 16363, Stop: 18834, Start Num: 167

Candidate Starts for Moose_23:

(Start: 167 @16363 has 215 MA's), (181, 16402), (211, 16465), (Start: 223 @16495 has 23 MA's), (229, 16516), (233, 16537), (236, 16549), (273, 16567), (303, 16657), (356, 16855), (362, 16888), (378, 16954), (440, 17209), (453, 17230), (460, 17257), (549, 17416), (575, 17452), (610, 17545), (617, 17566), (642, 17623), (687, 17743), (703, 17779), (718, 17809), (732, 17845), (757, 17911), (765, 17932), (808, 18073), (848, 18214), (857, 18235), (923, 18466), (937, 18547), (958, 18658), (965, 18700), (975, 18745), (982, 18784), (984, 18799),

Gene: Morpher26_25 Start: 15885, Stop: 18485, Start Num: 165

Candidate Starts for Morpher26_25:

(Start: 165 @15885 has 118 MA's), (266, 16200), (271, 16227), (284, 16275), (304, 16332), (333, 16437), (337, 16452), (341, 16464), (356, 16527), (380, 16635), (383, 16656), (387, 16677), (533,

17079), (565, 17121), (566, 17124), (610, 17235), (612, 17241), (669, 17373), (686, 17409), (705, 17457), (749, 17574), (785, 17688), (828, 17853), (836, 17871), (878, 17985), (882, 17997), (913, 18087), (931, 18180), (944, 18252), (946, 18261), (958, 18321), (960, 18330), (980, 18417), (986, 18465),

Gene: Morrow_25 Start: 15888, Stop: 18488, Start Num: 165

Candidate Starts for Morrow_25:

(Start: 165 @15888 has 118 MA's), (Start: 223 @16029 has 23 MA's), (Start: 228 @16047 has 10 MA's), (278, 16254), (291, 16293), (298, 16323), (333, 16440), (341, 16467), (356, 16530), (369, 16593), (380, 16638), (387, 16680), (405, 16764), (471, 16971), (506, 17031), (533, 17082), (566, 17127), (595, 17205), (610, 17238), (612, 17244), (686, 17412), (695, 17433), (704, 17457), (730, 17517), (731, 17523), (732, 17526), (749, 17577), (765, 17625), (785, 17691), (828, 17856), (836, 17874), (882, 18000), (943, 18252), (944, 18255), (946, 18264), (958, 18324), (980, 18420), (986, 18468),

Gene: MrGordo_24 Start: 16064, Stop: 18535, Start Num: 167

Candidate Starts for MrGordo_24:

(Start: 167 @16064 has 215 MA's), (181, 16103), (211, 16166), (Start: 223 @16196 has 23 MA's), (229, 16217), (233, 16238), (273, 16268), (280, 16292), (303, 16358), (356, 16556), (362, 16589), (378, 16655), (440, 16910), (453, 16931), (460, 16958), (549, 17117), (575, 17153), (610, 17246), (617, 17267), (623, 17282), (630, 17303), (632, 17306), (659, 17375), (672, 17411), (687, 17444), (703, 17480), (718, 17510), (732, 17546), (757, 17612), (765, 17633), (808, 17774), (848, 17915), (857, 17936), (901, 18071), (937, 18248), (958, 18359), (975, 18446), (982, 18485), (984, 18500),

Gene: Mryolo_23 Start: 16114, Stop: 18594, Start Num: 167

Candidate Starts for Mryolo_23:

(Start: 167 @16114 has 215 MA's), (181, 16153), (211, 16216), (Start: 223 @16246 has 23 MA's), (233, 16288), (327, 16495), (333, 16513), (356, 16603), (369, 16666), (376, 16690), (378, 16702), (387, 16753), (537, 17137), (592, 17239), (606, 17278), (614, 17305), (623, 17329), (672, 17458), (718, 17557), (757, 17659), (765, 17680), (770, 17692), (777, 17722), (808, 17821), (823, 17884), (892, 18103), (903, 18136), (937, 18307), (958, 18418), (965, 18460), (975, 18505), (982, 18544), (984, 18559),

Gene: MuchMore_29 Start: 15971, Stop: 18997, Start Num: 35

Candidate Starts for MuchMore_29:

(29, 15917), (Start: 35 @15971 has 84 MA's), (57, 16085), (79, 16151), (81, 16154), (85, 16163), (97, 16199), (113, 16250), (141, 16322), (174, 16394), (218, 16514), (220, 16517), (243, 16586), (260, 16631), (299, 16724), (305, 16733), (311, 16751), (321, 16778), (337, 16841), (341, 16853), (349, 16886), (353, 16904), (366, 16970), (367, 16973), (369, 16979), (373, 16994), (376, 17003), (378, 17015), (380, 17024), (397, 17117), (425, 17234), (426, 17237), (430, 17264), (432, 17276), (447, 17330), (453, 17351), (468, 17417), (472, 17444), (501, 17549), (520, 17597), (538, 17642), (570, 17690), (581, 17732), (582, 17741), (593, 17771), (594, 17774), (597, 17786), (618, 17843), (623, 17849), (644, 17870), (648, 17873), (706, 18011), (712, 18023), (743, 18083), (765, 18143), (774, 18173), (775, 18176), (777, 18185), (808, 18278), (828, 18368), (852, 18434), (855, 18446), (877, 18488), (894, 18551), (914, 18608), (927, 18677), (936, 18713), (950, 18794), (980, 18929),

Gene: Mulciber_26 Start: 17157, Stop: 19703, Start Num: 125

Candidate Starts for Mulciber_26:

(Start: 125 @17157 has 22 MA's), (Start: 131 @17175 has 2 MA's), (Start: 188 @17349 has 18 MA's), (192, 17358), (233, 17433), (291, 17487), (308, 17541), (313, 17556), (314, 17559), (321, 17577), (337, 17640), (341, 17652), (356, 17715), (369, 17778), (373, 17793), (376, 17802), (380, 17823), (384, 17847), (387, 17862), (408, 17949), (410, 17952), (416, 17967), (422, 17988), (424, 18000), (440, 18066), (464, 18138), (473, 18162), (503, 18243), (506, 18252), (510, 18264), (522, 18306),

(562, 18363), (580, 18417), (618, 18525), (638, 18564), (698, 18705), (742, 18801), (746, 18822), (760, 18855), (773, 18888), (774, 18891), (807, 18975), (819, 19020), (820, 19023), (854, 19137), (864, 19170), (888, 19242), (902, 19278), (919, 19350), (935, 19428), (944, 19482), (949, 19506), (976, 19617),

Gene: Mule_24 Start: 16401, Stop: 18881, Start Num: 167

Candidate Starts for Mule_24:

(Start: 167 @16401 has 215 MA's), (181, 16440), (211, 16503), (Start: 223 @16533 has 23 MA's), (233, 16575), (327, 16782), (333, 16800), (356, 16890), (369, 16953), (376, 16977), (378, 16989), (387, 17040), (537, 17424), (592, 17526), (606, 17565), (614, 17592), (623, 17616), (672, 17745), (718, 17844), (757, 17946), (765, 17967), (777, 18009), (808, 18108), (823, 18171), (892, 18390), (903, 18423), (958, 18705), (975, 18792), (982, 18831), (984, 18846),

Gene: Munch_26 Start: 17163, Stop: 19709, Start Num: 125

Candidate Starts for Munch_26:

(Start: 125 @17163 has 22 MA's), (Start: 131 @17181 has 2 MA's), (Start: 188 @17355 has 18 MA's), (192, 17364), (233, 17439), (291, 17493), (308, 17547), (313, 17562), (314, 17565), (321, 17583), (337, 17646), (341, 17658), (356, 17721), (369, 17784), (373, 17799), (376, 17808), (380, 17829), (384, 17853), (387, 17868), (408, 17955), (410, 17958), (416, 17973), (422, 17994), (424, 18006), (440, 18072), (462, 18135), (464, 18144), (473, 18168), (503, 18249), (506, 18258), (510, 18270), (522, 18312), (562, 18369), (580, 18423), (618, 18531), (638, 18570), (698, 18711), (742, 18807), (746, 18828), (760, 18861), (773, 18894), (774, 18897), (807, 18981), (819, 19026), (820, 19029), (854, 19143), (864, 19176), (888, 19248), (902, 19284), (919, 19356), (935, 19434), (944, 19488), (949, 19512), (976, 19623),

Gene: Mundrea_25 Start: 15850, Stop: 18450, Start Num: 165

Candidate Starts for Mundrea_25:

(Start: 165 @15850 has 118 MA's), (271, 16192), (284, 16240), (304, 16297), (333, 16402), (337, 16417), (356, 16492), (380, 16600), (383, 16621), (387, 16642), (519, 17020), (526, 17032), (533, 17044), (566, 17089), (568, 17098), (610, 17200), (612, 17206), (619, 17227), (705, 17422), (724, 17461), (775, 17620), (780, 17641), (785, 17653), (791, 17671), (828, 17818), (836, 17836), (882, 17962), (913, 18052), (931, 18145), (944, 18217), (946, 18226), (958, 18286), (960, 18295), (965, 18331), (980, 18382), (986, 18430),

Gene: Museum_26 Start: 16420, Stop: 18891, Start Num: 167

Candidate Starts for Museum_26:

(Start: 167 @16420 has 215 MA's), (181, 16459), (211, 16522), (Start: 223 @16552 has 23 MA's), (229, 16573), (233, 16594), (236, 16606), (273, 16624), (280, 16648), (303, 16714), (356, 16912), (362, 16945), (378, 17011), (440, 17266), (453, 17287), (460, 17314), (549, 17473), (575, 17509), (610, 17602), (617, 17623), (642, 17680), (687, 17800), (703, 17836), (718, 17866), (732, 17902), (757, 17968), (765, 17989), (808, 18130), (848, 18271), (857, 18292), (901, 18427), (937, 18604), (958, 18715), (970, 18781), (975, 18802), (982, 18841), (984, 18856),

Gene: MyraDee_23 Start: 14094, Stop: 16709, Start Num: 129

Candidate Starts for MyraDee_23:

(Start: 129 @14094 has 2 MA's), (148, 14151), (153, 14175), (196, 14274), (207, 14292), (240, 14394), (243, 14400), (284, 14445), (288, 14454), (331, 14592), (341, 14625), (356, 14688), (369, 14751), (373, 14766), (380, 14796), (382, 14811), (387, 14838), (408, 14925), (419, 14955), (431, 15018), (464, 15099), (471, 15114), (473, 15123), (482, 15141), (626, 15507), (636, 15528), (751, 15813), (756, 15825), (771, 15858), (808, 15963), (819, 16005), (841, 16080), (848, 16095), (852, 16104), (864, 16146), (902, 16245), (925, 16335), (943, 16434), (944, 16437), (948, 16458), (955, 16485), (971, 16581), (974, 16593), (979, 16608), (982, 16638),

Gene: Myxus_27 Start: 17590, Stop: 20499, Start Num: 51

Candidate Starts for Myxus_27:

(Start: 51 @17590 has 33 MA's), (54, 17602), (70, 17662), (127, 17821), (153, 17884), (182, 17947), (194, 17989), (220, 18046), (301, 18256), (305, 18262), (310, 18277), (336, 18367), (337, 18370), (341, 18382), (352, 18424), (362, 18478), (380, 18553), (383, 18574), (384, 18577), (387, 18595), (399, 18658), (419, 18724), (425, 18763), (429, 18790), (432, 18805), (440, 18835), (447, 18859), (450, 18871), (453, 18880), (468, 18946), (475, 18985), (493, 19051), (501, 19078), (508, 19105), (538, 19171), (569, 19216), (590, 19291), (605, 19336), (613, 19357), (623, 19378), (624, 19381), (644, 19399), (648, 19402), (659, 19429), (694, 19510), (712, 19552), (774, 19702), (778, 19717), (788, 19747), (805, 19798), (827, 19885), (830, 19894), (846, 19945), (877, 20008), (882, 20029), (893, 20065), (908, 20101), (909, 20107), (927, 20185), (934, 20212), (944, 20272), (958, 20341), (962, 20371), (968, 20398), (981, 20437), (987, 20479),

Gene: NEHalo_24 Start: 16149, Stop: 18629, Start Num: 167

Candidate Starts for NEHalo_24:

(Start: 167 @16149 has 215 MA's), (181, 16188), (211, 16251), (Start: 223 @16281 has 23 MA's), (233, 16323), (327, 16530), (333, 16548), (356, 16638), (369, 16701), (376, 16725), (378, 16737), (387, 16788), (537, 17172), (592, 17274), (606, 17313), (610, 17328), (614, 17340), (623, 17364), (672, 17493), (718, 17592), (757, 17694), (765, 17715), (777, 17757), (808, 17856), (823, 17919), (852, 18009), (892, 18138), (903, 18171), (958, 18453), (970, 18519), (975, 18540), (982, 18579), (984, 18594),

Gene: NaSiaTalie_26 Start: 16670, Stop: 19177, Start Num: 120

Candidate Starts for NaSiaTalie_26:

(Start: 120 @16670 has 91 MA's), (175, 16781), (195, 16838), (296, 17024), (321, 17087), (328, 17120), (330, 17126), (373, 17306), (376, 17315), (379, 17330), (380, 17336), (383, 17357), (384, 17360), (387, 17378), (398, 17438), (425, 17546), (432, 17588), (447, 17642), (453, 17663), (467, 17726), (468, 17729), (470, 17747), (475, 17768), (538, 17954), (546, 17969), (568, 17996), (582, 18053), (587, 18068), (590, 18074), (593, 18083), (595, 18089), (605, 18119), (613, 18140), (648, 18185), (651, 18191), (662, 18224), (673, 18251), (706, 18323), (712, 18335), (743, 18395), (753, 18422), (774, 18485), (788, 18530), (803, 18578), (815, 18614), (822, 18647), (864, 18710), (877, 18734), (930, 18878), (949, 18977), (964, 19064), (989, 19163),

Gene: Naca_22 Start: 15172, Stop: 18438, Start Num: 1

Candidate Starts for Naca_22:

(Start: 1 @15172 has 39 MA's), (11, 15409), (22, 15511), (25, 15520), (34, 15613), (41, 15640), (94, 15715), (Start: 129 @15850 has 2 MA's), (147, 15904), (Start: 161 @15958 has 8 MA's), (221, 16099), (227, 16123), (236, 16162), (288, 16225), (290, 16228), (310, 16288), (320, 16315), (337, 16381), (361, 16480), (369, 16519), (380, 16564), (384, 16588), (399, 16669), (473, 16891), (484, 16915), (507, 16963), (544, 17020), (548, 17026), (572, 17098), (595, 17167), (614, 17224), (621, 17242), (634, 17266), (662, 17338), (742, 17512), (745, 17524), (768, 17587), (794, 17674), (808, 17710), (812, 17731), (819, 17752), (852, 17851), (864, 17893), (872, 17914), (902, 18001), (911, 18031), (912, 18034), (925, 18094), (943, 18193), (946, 18205), (948, 18217), (950, 18226), (980, 18373),

Gene: Naiad_21 Start: 12124, Stop: 15471, Start Num: 15

Candidate Starts for Naiad_21:

(Start: 15 @12124 has 35 MA's), (17, 12142), (31, 12265), (37, 12286), (42, 12307), (47, 12337), (94, 12451), (107, 12499), (126, 12547), (127, 12556), (Start: 159 @12631 has 1 MA's), (173, 12652), (180, 12673), (183, 12679), (197, 12727), (232, 12799), (245, 12838), (251, 12847), (276, 12901), (294, 12955), (296, 12961), (312, 13000), (323, 13033), (333, 13072), (348, 13129), (373, 13240), (378, 13261), (380, 13270), (387, 13312), (397, 13363), (399, 13375), (420, 13447), (421, 13450), (432, 13522), (435, 13531), (441, 13555), (448, 13579), (450, 13588), (452, 13594), (453, 13597), (456, 13606), (458, 13618), (467, 13660), (472, 13690), (477, 13714), (481, 13735), (489, 13759), (504,

13804), (522, 13855), (528, 13867), (531, 13870), (538, 13888), (546, 13903), (577, 13954), (590, 14008), (652, 14131), (661, 14158), (670, 14182), (684, 14209), (700, 14245), (713, 14275), (750, 14359), (776, 14440), (790, 14485), (792, 14497), (793, 14506), (795, 14515), (798, 14521), (799, 14527), (808, 14548), (837, 14662), (842, 14683), (865, 14728), (884, 14782), (897, 14827), (915, 14899), (921, 14923), (929, 14968), (933, 14986), (945, 15061), (950, 15094), (959, 15136), (973, 15214), (978, 15229), (981, 15253), (992, 15409), (993, 15421), (994, 15427),

Gene: Naira_25 Start: 17895, Stop: 20510, Start Num: 167

Candidate Starts for Naira_25:

(Start: 167 @17895 has 215 MA's), (181, 17934), (211, 17997), (213, 18003), (Start: 223 @18027 has 23 MA's), (286, 18135), (341, 18306), (355, 18366), (356, 18369), (381, 18492), (387, 18522), (400, 18585), (463, 18804), (487, 18876), (512, 18924), (530, 18969), (609, 19194), (610, 19203), (623, 19239), (642, 19281), (719, 19485), (762, 19599), (765, 19608), (772, 19629), (777, 19650), (808, 19749), (819, 19791), (820, 19794), (860, 19923), (888, 20007), (904, 20052), (958, 20334), (970, 20400), (975, 20421), (982, 20460), (984, 20475),

Gene: Naji_29 Start: 16508, Stop: 19021, Start Num: 120

Candidate Starts for Naji_29:

(Start: 120 @16508 has 91 MA's), (203, 16688), (205, 16691), (320, 16934), (321, 16937), (336, 16997), (341, 17012), (348, 17042), (349, 17045), (366, 17129), (373, 17153), (379, 17177), (383, 17204), (384, 17207), (407, 17318), (425, 17393), (429, 17420), (432, 17435), (447, 17489), (453, 17510), (468, 17576), (470, 17594), (472, 17603), (498, 17702), (508, 17735), (515, 17744), (538, 17801), (546, 17816), (590, 17921), (648, 18032), (654, 18044), (657, 18050), (666, 18083), (667, 18086), (723, 18203), (774, 18332), (778, 18347), (788, 18377), (792, 18389), (803, 18425), (842, 18539), (856, 18551), (879, 18593), (945, 18800), (948, 18818), (949, 18821), (989, 19007),

Gene: Nancinator_21 Start: 12124, Stop: 15471, Start Num: 15

Candidate Starts for Nancinator_21:

(Start: 15 @12124 has 35 MA's), (17, 12142), (31, 12265), (37, 12286), (42, 12307), (47, 12337), (94, 12451), (107, 12499), (126, 12547), (127, 12556), (Start: 159 @12631 has 1 MA's), (173, 12652), (180, 12673), (183, 12679), (197, 12727), (232, 12799), (245, 12838), (251, 12847), (276, 12901), (294, 12955), (296, 12961), (312, 13000), (323, 13033), (333, 13072), (348, 13129), (373, 13240), (378, 13261), (380, 13270), (387, 13312), (397, 13363), (399, 13375), (420, 13447), (421, 13450), (432, 13522), (435, 13531), (441, 13555), (448, 13579), (450, 13588), (452, 13594), (453, 13597), (456, 13606), (458, 13618), (467, 13660), (472, 13690), (477, 13714), (481, 13735), (489, 13759), (504, 13804), (522, 13855), (528, 13867), (531, 13870), (538, 13888), (546, 13903), (577, 13954), (590, 14008), (652, 14131), (661, 14158), (670, 14182), (684, 14209), (700, 14245), (713, 14275), (750, 14359), (776, 14440), (790, 14485), (792, 14497), (793, 14506), (795, 14515), (798, 14521), (799, 14527), (808, 14548), (837, 14662), (842, 14683), (865, 14728), (884, 14782), (897, 14827), (915, 14899), (921, 14923), (929, 14968), (933, 14986), (945, 15061), (950, 15094), (959, 15136), (973, 15214), (978, 15229), (981, 15253), (992, 15409), (993, 15421), (994, 15427),

Gene: Natosaleda_21 Start: 12124, Stop: 15471, Start Num: 15

Candidate Starts for Natosaleda_21:

(Start: 15 @12124 has 35 MA's), (17, 12142), (31, 12265), (37, 12286), (42, 12307), (47, 12337), (94, 12451), (107, 12499), (126, 12547), (127, 12556), (Start: 159 @12631 has 1 MA's), (173, 12652), (180, 12673), (183, 12679), (197, 12727), (232, 12799), (245, 12838), (251, 12847), (276, 12901), (294, 12955), (296, 12961), (312, 13000), (323, 13033), (333, 13072), (348, 13129), (373, 13240), (378, 13261), (380, 13270), (387, 13312), (397, 13363), (399, 13375), (420, 13447), (421, 13450), (432, 13522), (435, 13531), (441, 13555), (448, 13579), (450, 13588), (452, 13594), (453, 13597), (456, 13606), (458, 13618), (467, 13660), (472, 13690), (477, 13714), (481, 13735), (489, 13759), (504, 13804), (522, 13855), (528, 13867), (531, 13870), (538, 13888), (546, 13903), (577, 13954), (590, 14008), (652, 14131), (661, 14158), (670, 14182), (684, 14209), (700, 14245), (713, 14275), (750,

14359), (776, 14440), (790, 14485), (792, 14497), (793, 14506), (795, 14515), (798, 14521), (799, 14527), (808, 14548), (837, 14662), (842, 14683), (865, 14728), (884, 14782), (897, 14827), (915, 14899), (921, 14923), (929, 14968), (933, 14986), (945, 15061), (950, 15094), (959, 15136), (973, 15214), (978, 15229), (981, 15253), (992, 15409), (993, 15421), (994, 15427),

Gene: NearlyHeadless_22 Start: 14564, Stop: 17641, Start Num: 14

Candidate Starts for NearlyHeadless_22:

(Start: 14 @14564 has 12 MA's), (22, 14648), (48, 14816), (50, 14840), (76, 14888), (113, 15008), (138, 15080), (191, 15230), (192, 15233), (198, 15239), (291, 15425), (295, 15446), (310, 15485), (331, 15557), (339, 15584), (342, 15599), (355, 15650), (356, 15653), (369, 15719), (408, 15887), (473, 16094), (495, 16142), (506, 16163), (507, 16166), (572, 16310), (587, 16367), (601, 16397), (616, 16436), (653, 16508), (662, 16538), (712, 16637), (725, 16667), (742, 16712), (808, 16910), (812, 16931), (815, 16943), (839, 17024), (852, 17051), (864, 17093), (872, 17114), (880, 17138), (889, 17168), (902, 17201), (912, 17234), (925, 17294), (930, 17321), (949, 17420), (967, 17516), (976, 17537), (982, 17576), (991, 17624),

Gene: Nebs_25 Start: 15882, Stop: 18482, Start Num: 165

Candidate Starts for Nebs_25:

(Start: 165 @15882 has 118 MA's), (Start: 223 @16023 has 23 MA's), (Start: 228 @16041 has 10 MA's), (278, 16248), (291, 16287), (298, 16317), (333, 16434), (341, 16461), (356, 16524), (369, 16587), (380, 16632), (387, 16674), (405, 16758), (506, 17025), (533, 17076), (566, 17121), (595, 17199), (610, 17232), (612, 17238), (686, 17406), (695, 17427), (704, 17451), (730, 17511), (731, 17517), (732, 17520), (749, 17571), (765, 17619), (785, 17685), (828, 17850), (836, 17868), (882, 17994), (943, 18246), (944, 18249), (946, 18258), (958, 18318), (980, 18414), (986, 18462),

Gene: Nebulosus_28 Start: 15746, Stop: 18109, Start Num: 129

Candidate Starts for Nebulosus_28:

(Start: 129 @15746 has 2 MA's), (Start: 134 @15755 has 4 MA's), (Start: 188 @15923 has 18 MA's), (310, 16163), (312, 16169), (332, 16238), (347, 16295), (380, 16439), (387, 16481), (396, 16529), (397, 16532), (428, 16643), (431, 16661), (473, 16766), (495, 16814), (563, 16919), (585, 16979), (611, 17033), (633, 17069), (646, 17093), (648, 17102), (671, 17165), (685, 17186), (692, 17201), (705, 17225), (710, 17237), (741, 17291), (746, 17312), (761, 17342), (833, 17513), (839, 17534), (872, 17618), (950, 17921), (980, 18044), (981, 18056),

Gene: Nedarya_27 Start: 16578, Stop: 18761, Start Num: 188

Candidate Starts for Nedarya_27:

(Start: 129 @16404 has 2 MA's), (Start: 134 @16413 has 4 MA's), (151, 16467), (Start: 188 @16578 has 18 MA's), (295, 16782), (302, 16797), (310, 16821), (312, 16827), (337, 16914), (338, 16917), (347, 16953), (356, 16989), (362, 17022), (369, 17052), (373, 17067), (378, 17088), (384, 17121), (397, 17190), (428, 17301), (429, 17310), (486, 17442), (490, 17451), (563, 17565), (611, 17679), (671, 17811), (688, 17838), (692, 17847), (725, 17904), (746, 17958), (761, 17988), (789, 18033), (833, 18159), (980, 18693), (981, 18705),

Gene: Neeharika16_29 Start: 16728, Stop: 18932, Start Num: 128

Candidate Starts for Neeharika16_29:

(69, 16569), (107, 16683), (Start: 128 @16728 has 47 MA's), (175, 16839), (176, 16845), (Start: 223 @16953 has 23 MA's), (233, 16995), (284, 17061), (316, 17154), (325, 17181), (356, 17304), (362, 17337), (382, 17427), (395, 17496), (473, 17739), (577, 17877), (670, 17997), (773, 18150), (808, 18213), (819, 18255), (852, 18354), (857, 18375), (864, 18396), (872, 18417), (888, 18468), (892, 18480), (899, 18495), (919, 18576), (935, 18654),

Gene: Nemo27_25 Start: 16025, Stop: 18484, Start Num: 223

Candidate Starts for Nemo27_25:

(Start: 165 @15884 has 118 MA's), (Start: 223 @16025 has 23 MA's), (Start: 228 @16043 has 10 MA's), (278, 16250), (291, 16289), (298, 16319), (333, 16436), (341, 16463), (356, 16526), (369, 16589), (380, 16634), (387, 16676), (405, 16760), (506, 17027), (533, 17078), (566, 17123), (595, 17201), (610, 17234), (612, 17240), (619, 17261), (686, 17408), (695, 17429), (704, 17453), (731, 17519), (749, 17573), (765, 17621), (785, 17687), (828, 17852), (836, 17870), (882, 17996), (943, 18248), (944, 18251), (946, 18260), (958, 18320), (980, 18416), (986, 18464),

Gene: Nerujay_25 Start: 16817, Stop: 19297, Start Num: 167

Candidate Starts for Nerujay_25:

(Start: 167 @16817 has 215 MA's), (181, 16856), (211, 16919), (Start: 223 @16949 has 23 MA's), (233, 16991), (327, 17198), (333, 17216), (356, 17306), (369, 17369), (376, 17393), (378, 17405), (387, 17456), (537, 17840), (592, 17942), (606, 17981), (614, 18008), (623, 18032), (672, 18161), (718, 18260), (757, 18362), (765, 18383), (770, 18395), (777, 18425), (808, 18524), (823, 18587), (892, 18806), (903, 18839), (958, 19121), (975, 19208), (982, 19247), (984, 19262),

Gene: Newrala_29 Start: 16728, Stop: 18932, Start Num: 128

Candidate Starts for Newrala_29:

(69, 16569), (107, 16683), (Start: 128 @16728 has 47 MA's), (175, 16839), (176, 16845), (Start: 223 @16953 has 23 MA's), (233, 16995), (284, 17061), (316, 17154), (325, 17181), (356, 17304), (362, 17337), (382, 17427), (395, 17496), (473, 17739), (577, 17877), (670, 17997), (773, 18150), (808, 18213), (819, 18255), (852, 18354), (857, 18375), (864, 18396), (872, 18417), (888, 18468), (892, 18480), (899, 18495), (919, 18576), (935, 18654),

Gene: Nhonho_24 Start: 16571, Stop: 19048, Start Num: 167

Candidate Starts for Nhonho_24:

(Start: 167 @16571 has 215 MA's), (181, 16610), (202, 16655), (211, 16673), (213, 16679), (Start: 223 @16703 has 23 MA's), (327, 16949), (333, 16967), (356, 17057), (369, 17120), (376, 17144), (378, 17156), (387, 17207), (411, 17300), (592, 17693), (606, 17732), (610, 17747), (614, 17759), (623, 17783), (654, 17858), (672, 17912), (718, 18011), (757, 18113), (765, 18134), (770, 18146), (777, 18176), (808, 18275), (823, 18338), (852, 18428), (892, 18557), (903, 18590), (958, 18872), (975, 18959), (982, 18998), (986, 19028),

Gene: NicoleTera_30 Start: 18435, Stop: 20942, Start Num: 120

Candidate Starts for NicoleTera_30:

(Start: 120 @18435 has 91 MA's), (175, 18546), (181, 18564), (195, 18603), (Start: 208 @18624 has 1 MA's), (216, 18648), (296, 18777), (307, 18801), (317, 18831), (341, 18915), (353, 18966), (364, 19023), (367, 19035), (369, 19041), (373, 19056), (376, 19065), (378, 19077), (380, 19086), (425, 19296), (429, 19323), (432, 19338), (447, 19392), (453, 19413), (468, 19479), (475, 19518), (492, 19581), (520, 19659), (538, 19704), (582, 19803), (587, 19818), (590, 19824), (593, 19833), (597, 19848), (605, 19869), (613, 19890), (614, 19893), (644, 19932), (654, 19947), (662, 19974), (673, 20001), (688, 20031), (694, 20043), (712, 20085), (743, 20145), (753, 20172), (774, 20235), (792, 20292), (803, 20328), (822, 20397), (835, 20430), (879, 20499), (881, 20508), (887, 20517), (928, 20628), (935, 20658), (949, 20742),

Gene: Niza_26 Start: 17422, Stop: 19890, Start Num: 167

Candidate Starts for Niza_26:

(Start: 167 @17422 has 215 MA's), (174, 17437), (Start: 223 @17551 has 23 MA's), (229, 17572), (233, 17593), (273, 17623), (280, 17647), (288, 17668), (303, 17713), (312, 17740), (356, 17911), (362, 17944), (378, 18010), (440, 18265), (453, 18286), (460, 18313), (549, 18472), (575, 18508), (610, 18601), (617, 18622), (642, 18679), (687, 18799), (703, 18835), (718, 18865), (732, 18901), (757, 18967), (765, 18988), (808, 19129), (848, 19270), (857, 19291), (901, 19426), (937, 19603), (958, 19714), (975, 19801), (982, 19840), (984, 19855),

Gene: Noella_26 Start: 16044, Stop: 19082, Start Num: 33

Candidate Starts for Noella_26:

(Start: 33 @16044 has 33 MA's), (73, 16218), (81, 16230), (92, 16263), (174, 16470), (181, 16491), (218, 16590), (220, 16593), (299, 16803), (309, 16824), (321, 16857), (337, 16920), (341, 16932), (349, 16965), (353, 16983), (357, 17004), (367, 17052), (369, 17058), (373, 17073), (376, 17082), (378, 17094), (380, 17103), (397, 17196), (425, 17313), (426, 17316), (430, 17343), (432, 17355), (447, 17409), (453, 17430), (468, 17496), (475, 17535), (520, 17676), (538, 17721), (581, 17811), (582, 17820), (593, 17850), (613, 17907), (618, 17922), (644, 17949), (648, 17952), (657, 17970), (702, 18081), (743, 18162), (763, 18219), (776, 18261), (808, 18357), (812, 18378), (817, 18402), (828, 18447), (836, 18465), (852, 18513), (855, 18525), (877, 18567), (880, 18579), (893, 18627), (936, 18798), (946, 18858), (948, 18870), (955, 18897), (958, 18918), (980, 19014), (986, 19062),

Gene: Noelle_25 Start: 15938, Stop: 18538, Start Num: 165

Candidate Starts for Noelle_25:

(Start: 165 @15938 has 118 MA's), (284, 16328), (325, 16457), (333, 16490), (337, 16505), (341, 16517), (356, 16580), (380, 16688), (389, 16739), (412, 16823), (519, 17108), (526, 17120), (533, 17132), (566, 17177), (595, 17255), (610, 17288), (612, 17294), (669, 17426), (686, 17462), (705, 17510), (749, 17627), (765, 17675), (775, 17708), (785, 17741), (791, 17759), (828, 17906), (836, 17924), (882, 18050), (913, 18140), (944, 18305), (946, 18314), (958, 18374), (960, 18383), (965, 18419), (972, 18437), (980, 18470), (986, 18518),

Gene: Norbert_25 Start: 16043, Stop: 19081, Start Num: 33

Candidate Starts for Norbert_25:

(Start: 33 @16043 has 33 MA's), (73, 16217), (81, 16229), (92, 16262), (174, 16469), (181, 16490), (218, 16589), (220, 16592), (299, 16802), (309, 16823), (321, 16856), (337, 16919), (341, 16931), (349, 16964), (353, 16982), (357, 17003), (367, 17051), (369, 17057), (373, 17072), (376, 17081), (378, 17093), (380, 17102), (397, 17195), (425, 17312), (426, 17315), (430, 17342), (432, 17354), (447, 17408), (453, 17429), (468, 17495), (475, 17534), (520, 17675), (538, 17720), (581, 17810), (582, 17819), (593, 17849), (613, 17906), (618, 17921), (644, 17948), (648, 17951), (657, 17969), (702, 18080), (743, 18161), (763, 18218), (776, 18260), (808, 18356), (812, 18377), (817, 18401), (828, 18446), (836, 18464), (852, 18512), (855, 18524), (877, 18566), (880, 18578), (893, 18626), (936, 18797), (946, 18857), (948, 18869), (955, 18896), (958, 18917), (980, 19013), (986, 19061),

Gene: NorthStar_25 Start: 15885, Stop: 18485, Start Num: 165

Candidate Starts for NorthStar_25:

(Start: 165 @15885 has 118 MA's), (Start: 223 @16026 has 23 MA's), (Start: 228 @16044 has 10 MA's), (278, 16251), (291, 16290), (298, 16320), (333, 16437), (341, 16464), (356, 16527), (369, 16590), (380, 16635), (387, 16677), (405, 16761), (506, 17028), (533, 17079), (566, 17124), (595, 17202), (612, 17241), (619, 17262), (686, 17409), (695, 17430), (704, 17454), (730, 17514), (731, 17520), (732, 17523), (749, 17574), (765, 17622), (785, 17688), (828, 17853), (836, 17871), (882, 17997), (943, 18249), (944, 18252), (946, 18261), (958, 18321), (980, 18417), (986, 18465),

Gene: Norz_26 Start: 17066, Stop: 19726, Start Num: 167

Candidate Starts for Norz_26:

(Start: 167 @17066 has 215 MA's), (181, 17105), (211, 17168), (213, 17174), (Start: 223 @17198 has 23 MA's), (233, 17240), (337, 17474), (356, 17549), (369, 17612), (380, 17657), (385, 17681), (400, 17756), (403, 17768), (504, 18089), (610, 18419), (629, 18470), (642, 18497), (719, 18701), (765, 18824), (772, 18845), (777, 18866), (808, 18965), (819, 19007), (860, 19139), (888, 19223), (904, 19268), (958, 19550), (970, 19616), (975, 19637), (982, 19676), (984, 19691),

Gene: NotAPhaseMom_25 Start: 16030, Stop: 18489, Start Num: 223

Candidate Starts for NotAPhaseMom_25:

(Start: 165 @15889 has 118 MA's), (Start: 223 @16030 has 23 MA's), (Start: 228 @16048 has 10 MA's), (278, 16255), (291, 16294), (298, 16324), (333, 16441), (341, 16468), (356, 16531), (369, 16594), (380, 16639), (387, 16681), (405, 16765), (506, 17032), (533, 17083), (566, 17128), (595, 17206), (610, 17239), (612, 17245), (619, 17266), (686, 17413), (695, 17434), (704, 17458), (731, 17524), (749, 17578), (765, 17626), (785, 17692), (828, 17857), (836, 17875), (882, 18001), (943, 18253), (944, 18256), (946, 18265), (958, 18325), (980, 18421), (986, 18469),

Gene: NothingSpecial_28 Start: 18636, Stop: 21167, Start Num: 120

Candidate Starts for NothingSpecial_28:

(Start: 120 @18636 has 91 MA's), (203, 18816), (205, 18819), (287, 18987), (296, 19014), (305, 19029), (316, 19062), (321, 19074), (336, 19134), (341, 19149), (362, 19245), (363, 19248), (380, 19320), (383, 19341), (384, 19344), (417, 19485), (425, 19530), (429, 19557), (432, 19572), (447, 19626), (453, 19647), (468, 19713), (475, 19752), (543, 19947), (564, 19965), (569, 19983), (605, 20103), (611, 20118), (623, 20145), (624, 20148), (648, 20169), (765, 20439), (767, 20442), (774, 20469), (778, 20484), (788, 20514), (803, 20562), (817, 20610), (835, 20664), (887, 20748), (908, 20772), (935, 20889), (949, 20967),

Gene: Noxious_26 Start: 17387, Stop: 19858, Start Num: 167

Candidate Starts for Noxious_26:

(Start: 167 @17387 has 215 MA's), (181, 17426), (211, 17489), (Start: 223 @17519 has 23 MA's), (229, 17540), (233, 17561), (236, 17573), (273, 17591), (280, 17615), (303, 17681), (356, 17879), (362, 17912), (378, 17978), (440, 18233), (453, 18254), (460, 18281), (498, 18377), (533, 18407), (549, 18440), (575, 18476), (610, 18569), (617, 18590), (642, 18647), (687, 18767), (703, 18803), (718, 18833), (732, 18869), (757, 18935), (765, 18956), (777, 18998), (808, 19097), (848, 19238), (857, 19259), (901, 19394), (958, 19682), (975, 19769), (982, 19808),

Gene: Nyxis_25 Start: 15969, Stop: 18428, Start Num: 223

Candidate Starts for Nyxis_25:

(Start: 165 @15828 has 118 MA's), (Start: 223 @15969 has 23 MA's), (Start: 228 @15987 has 10 MA's), (278, 16194), (291, 16233), (298, 16263), (333, 16380), (341, 16407), (356, 16470), (369, 16533), (380, 16578), (387, 16620), (405, 16704), (506, 16971), (533, 17022), (566, 17067), (595, 17145), (612, 17184), (619, 17205), (686, 17352), (695, 17373), (704, 17397), (730, 17457), (731, 17463), (732, 17466), (749, 17517), (765, 17565), (785, 17631), (828, 17796), (836, 17814), (882, 17940), (943, 18192), (944, 18195), (946, 18204), (958, 18264), (980, 18360), (986, 18408),

Gene: OKCentral2016_25 Start: 15565, Stop: 18123, Start Num: 228

Candidate Starts for OKCentral2016_25:

(102, 15157), (Start: 161 @15388 has 8 MA's), (Start: 228 @15565 has 10 MA's), (232, 15586), (240, 15610), (243, 15616), (247, 15640), (248, 15643), (252, 15652), (258, 15691), (263, 15700), (264, 15706), (267, 15730), (282, 15775), (294, 15817), (306, 15850), (309, 15859), (323, 15913), (337, 15967), (340, 15976), (344, 16000), (351, 16021), (370, 16126), (378, 16168), (454, 16480), (455, 16483), (457, 16495), (547, 16696), (594, 16816), (610, 16861), (611, 16864), (612, 16867), (619, 16888), (622, 16891), (643, 16936), (686, 17044), (695, 17065), (722, 17125), (732, 17158), (753, 17221), (777, 17299), (785, 17323), (808, 17398), (822, 17464), (828, 17488), (836, 17506), (845, 17542), (857, 17572), (874, 17614), (878, 17626), (882, 17638), (895, 17674), (899, 17686), (946, 17899), (948, 17911), (954, 17935), (958, 17959), (980, 18055), (986, 18103),

Gene: OKaNui_26 Start: 15938, Stop: 18538, Start Num: 165

Candidate Starts for OKaNui_26:

(Start: 165 @15938 has 118 MA's), (Start: 223 @16079 has 23 MA's), (Start: 228 @16097 has 10 MA's), (278, 16304), (291, 16343), (298, 16373), (333, 16490), (341, 16517), (356, 16580), (369, 16643), (380, 16688), (387, 16730), (405, 16814), (506, 17081), (533, 17132), (566, 17177), (595, 17255), (612, 17294), (686, 17462), (695, 17483), (704, 17507), (731, 17573), (749, 17627), (765,

17675), (785, 17741), (828, 17906), (836, 17924), (882, 18050), (943, 18302), (944, 18305), (946, 18314), (958, 18374), (980, 18470), (986, 18518),

Gene: Obama12_26 Start: 16339, Stop: 18798, Start Num: 223

Candidate Starts for Obama12_26:

(Start: 165 @16198 has 118 MA's), (Start: 223 @16339 has 23 MA's), (Start: 228 @16357 has 10 MA's), (266, 16513), (278, 16564), (298, 16633), (333, 16750), (341, 16777), (356, 16840), (369, 16903), (380, 16948), (387, 16990), (405, 17074), (471, 17281), (506, 17341), (533, 17392), (566, 17437), (595, 17515), (610, 17548), (612, 17554), (686, 17722), (695, 17743), (704, 17767), (730, 17827), (731, 17833), (732, 17836), (749, 17887), (765, 17935), (785, 18001), (828, 18166), (836, 18184), (882, 18310), (943, 18562), (944, 18565), (946, 18574), (957, 18631), (958, 18634), (965, 18679), (980, 18730), (986, 18778),

Gene: Odin_25 Start: 15403, Stop: 17928, Start Num: 116

Candidate Starts for Odin_25:

(Start: 116 @15403 has 1 MA's), (124, 15421), (175, 15526), (200, 15592), (203, 15595), (205, 15598), (305, 15802), (321, 15847), (341, 15922), (352, 15964), (353, 15973), (362, 16018), (366, 16039), (376, 16072), (380, 16093), (383, 16114), (384, 16117), (425, 16303), (429, 16330), (432, 16345), (447, 16399), (453, 16420), (468, 16486), (546, 16726), (568, 16753), (582, 16810), (590, 16831), (598, 16858), (605, 16876), (644, 16939), (648, 16942), (662, 16981), (706, 17080), (743, 17152), (753, 17179), (763, 17209), (774, 17242), (817, 17383), (842, 17449), (881, 17512), (945, 17710), (949, 17731), (962, 17806), (977, 17842),

Gene: Ohfah_25 Start: 15882, Stop: 18482, Start Num: 165

Candidate Starts for Ohfah_25:

(Start: 165 @15882 has 118 MA's), (Start: 223 @16023 has 23 MA's), (Start: 228 @16041 has 10 MA's), (278, 16248), (291, 16287), (298, 16317), (333, 16434), (341, 16461), (356, 16524), (369, 16587), (380, 16632), (387, 16674), (405, 16758), (506, 17025), (533, 17076), (566, 17121), (595, 17199), (610, 17232), (612, 17238), (619, 17259), (686, 17406), (695, 17427), (704, 17451), (730, 17511), (731, 17517), (732, 17520), (749, 17571), (765, 17619), (785, 17685), (828, 17850), (836, 17868), (882, 17994), (943, 18246), (944, 18249), (946, 18258), (958, 18318), (965, 18363), (980, 18414), (986, 18462),

Gene: Ohno789_24 Start: 16219, Stop: 18690, Start Num: 167

Candidate Starts for Ohno789_24:

(Start: 167 @16219 has 215 MA's), (181, 16258), (211, 16321), (Start: 223 @16351 has 23 MA's), (229, 16372), (233, 16393), (236, 16405), (273, 16423), (303, 16513), (356, 16711), (362, 16744), (378, 16810), (440, 17065), (453, 17086), (460, 17113), (549, 17272), (575, 17308), (610, 17401), (617, 17422), (642, 17479), (687, 17599), (703, 17635), (718, 17665), (732, 17701), (757, 17767), (765, 17788), (808, 17929), (848, 18070), (857, 18091), (901, 18226), (937, 18403), (958, 18514), (975, 18601), (982, 18640), (984, 18655),

Gene: OlanP_27 Start: 16237, Stop: 19263, Start Num: 35

Candidate Starts for OlanP_27:

(29, 16183), (Start: 35 @16237 has 84 MA's), (57, 16351), (79, 16417), (81, 16420), (85, 16429), (97, 16465), (113, 16516), (141, 16588), (174, 16660), (218, 16780), (220, 16783), (243, 16852), (260, 16897), (299, 16990), (305, 16999), (321, 17044), (330, 17083), (337, 17107), (341, 17119), (349, 17152), (353, 17170), (357, 17191), (367, 17239), (369, 17245), (373, 17260), (376, 17269), (378, 17281), (380, 17290), (397, 17383), (421, 17470), (425, 17500), (426, 17503), (430, 17530), (432, 17542), (447, 17596), (453, 17617), (461, 17647), (468, 17683), (477, 17734), (498, 17809), (520, 17863), (538, 17908), (570, 17956), (581, 17998), (582, 18007), (593, 18037), (618, 18109), (623, 18115), (644, 18136), (648, 18139), (654, 18151), (701, 18265), (702, 18268), (743, 18349), (765, 18409), (774, 18439), (775, 18442), (777, 18451), (828, 18634), (852, 18700), (855, 18712), (877,

18754), (894, 18817), (914, 18874), (927, 18943), (936, 18979), (950, 19060), (980, 19195), (981, 19207),

Gene: Ollie_27 Start: 15849, Stop: 18875, Start Num: 35

Candidate Starts for Ollie_27:

(29, 15795), (Start: 35 @15849 has 84 MA's), (57, 15963), (79, 16029), (81, 16032), (85, 16041), (97, 16077), (113, 16128), (141, 16200), (174, 16272), (218, 16392), (220, 16395), (243, 16464), (260, 16509), (299, 16602), (305, 16611), (311, 16629), (321, 16656), (337, 16719), (341, 16731), (349, 16764), (353, 16782), (366, 16848), (367, 16851), (369, 16857), (373, 16872), (376, 16881), (378, 16893), (380, 16902), (393, 16980), (397, 16995), (425, 17112), (426, 17115), (430, 17142), (432, 17154), (447, 17208), (453, 17229), (468, 17295), (475, 17334), (501, 17427), (520, 17475), (538, 17520), (570, 17568), (581, 17610), (582, 17619), (593, 17649), (594, 17652), (597, 17664), (611, 17700), (618, 17721), (623, 17727), (644, 17748), (648, 17751), (706, 17889), (712, 17901), (743, 17961), (759, 18000), (808, 18156), (812, 18177), (817, 18201), (828, 18246), (836, 18264), (852, 18312), (855, 18324), (877, 18366), (894, 18429), (914, 18486), (927, 18555), (936, 18591), (950, 18672), (980, 18807),

Gene: Onglai_26 Start: 15924, Stop: 18833, Start Num: 51

Candidate Starts for Onglai_26:

(Start: 51 @15924 has 33 MA's), (54, 15936), (70, 15996), (127, 16155), (153, 16218), (182, 16281), (194, 16323), (220, 16380), (233, 16419), (301, 16590), (305, 16596), (310, 16611), (336, 16701), (337, 16704), (341, 16716), (352, 16758), (362, 16812), (380, 16887), (383, 16908), (384, 16911), (387, 16929), (399, 16992), (419, 17058), (425, 17097), (429, 17124), (432, 17139), (440, 17169), (447, 17193), (453, 17214), (468, 17280), (475, 17319), (493, 17385), (501, 17412), (508, 17439), (538, 17505), (569, 17550), (590, 17625), (605, 17670), (613, 17691), (623, 17712), (624, 17715), (644, 17733), (648, 17736), (659, 17763), (694, 17844), (774, 18036), (778, 18051), (788, 18081), (805, 18132), (827, 18219), (830, 18228), (846, 18279), (877, 18342), (882, 18363), (893, 18399), (908, 18435), (909, 18441), (927, 18519), (934, 18546), (944, 18606), (958, 18675), (962, 18705), (968, 18732), (981, 18771), (987, 18813),

Gene: Oofda_28 Start: 15894, Stop: 18083, Start Num: 188

Candidate Starts for Oofda_28:

(Start: 129 @15717 has 2 MA's), (Start: 134 @15726 has 4 MA's), (Start: 188 @15894 has 18 MA's), (310, 16137), (312, 16143), (332, 16212), (347, 16269), (380, 16413), (387, 16455), (396, 16503), (397, 16506), (428, 16617), (431, 16635), (473, 16740), (495, 16788), (563, 16893), (585, 16953), (611, 17007), (633, 17043), (646, 17067), (648, 17076), (671, 17139), (685, 17160), (692, 17175), (705, 17199), (710, 17211), (741, 17265), (746, 17286), (761, 17316), (833, 17487), (839, 17508), (872, 17592), (950, 17895), (980, 18018), (981, 18030),

Gene: Oogway_23 Start: 16332, Stop: 18812, Start Num: 167

Candidate Starts for Oogway_23:

(Start: 167 @16332 has 215 MA's), (181, 16371), (211, 16434), (Start: 223 @16464 has 23 MA's), (233, 16506), (327, 16713), (333, 16731), (356, 16821), (369, 16884), (376, 16908), (378, 16920), (387, 16971), (537, 17355), (592, 17457), (606, 17496), (614, 17523), (623, 17547), (718, 17775), (757, 17877), (765, 17898), (777, 17940), (808, 18039), (823, 18102), (892, 18321), (903, 18354), (958, 18636), (975, 18723), (982, 18762),

Gene: Orange_26 Start: 17163, Stop: 19709, Start Num: 125

Candidate Starts for Orange_26:

(Start: 125 @17163 has 22 MA's), (Start: 131 @17181 has 2 MA's), (Start: 188 @17355 has 18 MA's), (192, 17364), (233, 17439), (291, 17493), (308, 17547), (313, 17562), (314, 17565), (321, 17583), (337, 17646), (341, 17658), (356, 17721), (369, 17784), (373, 17799), (376, 17808), (380, 17829), (384, 17853), (387, 17868), (408, 17955), (410, 17958), (416, 17973), (422, 17994), (424, 18006),

(440, 18072), (464, 18144), (473, 18168), (503, 18249), (506, 18258), (510, 18270), (522, 18312), (562, 18369), (580, 18423), (618, 18531), (638, 18570), (698, 18711), (742, 18807), (746, 18828), (760, 18861), (773, 18894), (774, 18897), (807, 18981), (819, 19026), (820, 19029), (854, 19143), (864, 19176), (888, 19248), (902, 19284), (919, 19356), (935, 19434), (944, 19488), (949, 19512), (976, 19623),

Gene: P28Green_27 Start: 15980, Stop: 19006, Start Num: 35

Candidate Starts for P28Green_27:

(29, 15926), (Start: 35 @15980 has 84 MA's), (57, 16094), (79, 16160), (81, 16163), (85, 16172), (97, 16208), (113, 16259), (141, 16331), (174, 16403), (218, 16523), (220, 16526), (243, 16595), (260, 16640), (299, 16733), (305, 16742), (311, 16760), (321, 16787), (337, 16850), (341, 16862), (349, 16895), (353, 16913), (366, 16979), (367, 16982), (369, 16988), (373, 17003), (376, 17012), (378, 17024), (380, 17033), (397, 17126), (425, 17243), (426, 17246), (430, 17273), (432, 17285), (447, 17339), (453, 17360), (468, 17426), (472, 17453), (475, 17465), (501, 17558), (520, 17606), (538, 17651), (570, 17699), (581, 17741), (582, 17750), (593, 17780), (594, 17783), (597, 17795), (618, 17852), (623, 17858), (644, 17879), (648, 17882), (706, 18020), (743, 18092), (765, 18152), (774, 18182), (775, 18185), (777, 18194), (828, 18377), (852, 18443), (855, 18455), (877, 18497), (894, 18560), (914, 18617), (927, 18686), (936, 18722), (950, 18803), (980, 18938), (981, 18950),

Gene: PGHhamlin_29 Start: 15971, Stop: 18997, Start Num: 35

Candidate Starts for PGHhamlin_29:

(29, 15917), (Start: 35 @15971 has 84 MA's), (57, 16085), (79, 16151), (81, 16154), (85, 16163), (97, 16199), (113, 16250), (141, 16322), (174, 16394), (218, 16514), (220, 16517), (243, 16586), (260, 16631), (299, 16724), (305, 16733), (311, 16751), (321, 16778), (337, 16841), (341, 16853), (349, 16886), (353, 16904), (366, 16970), (367, 16973), (369, 16979), (373, 16994), (376, 17003), (378, 17015), (380, 17024), (397, 17117), (425, 17234), (426, 17237), (430, 17264), (432, 17276), (447, 17330), (453, 17351), (468, 17417), (472, 17444), (501, 17549), (520, 17597), (538, 17642), (570, 17690), (581, 17732), (582, 17741), (593, 17771), (594, 17774), (597, 17786), (618, 17843), (623, 17849), (644, 17870), (648, 17873), (706, 18011), (712, 18023), (743, 18083), (765, 18143), (774, 18173), (775, 18176), (777, 18185), (808, 18278), (828, 18368), (852, 18434), (855, 18446), (877, 18488), (894, 18551), (914, 18608), (927, 18677), (936, 18713), (950, 18794), (980, 18929),

Gene: PP_35 Start: 21773, Stop: 24784, Start Num: 60

Candidate Starts for PP_35:

(Start: 60 @21773 has 1 MA's), (97, 21896), (100, 21902), (124, 22010), (126, 22013), (127, 22022), (133, 22034), (Start: 156 @22115 has 2 MA's), (195, 22229), (207, 22253), (231, 22325), (235, 22346), (239, 22355), (242, 22361), (279, 22526), (284, 22547), (304, 22604), (317, 22643), (324, 22673), (327, 22691), (332, 22706), (333, 22709), (337, 22724), (342, 22745), (356, 22799), (369, 22862), (378, 22898), (380, 22907), (383, 22928), (387, 22949), (433, 23138), (462, 23216), (473, 23249), (502, 23297), (532, 23348), (533, 23351), (566, 23396), (639, 23567), (662, 23615), (680, 23660), (704, 23714), (714, 23735), (728, 23768), (749, 23834), (753, 23846), (769, 23891), (777, 23924), (783, 23945), (785, 23948), (815, 24056), (827, 24110), (828, 24113), (836, 24131), (850, 24188), (861, 24218), (885, 24293), (891, 24314), (904, 24353), (916, 24407), (928, 24467), (936, 24500), (947, 24563), (948, 24572), (964, 24662), (968, 24677), (981, 24728),

Gene: PSullivan_26 Start: 16832, Stop: 19303, Start Num: 167

Candidate Starts for PSullivan_26:

(Start: 167 @16832 has 215 MA's), (181, 16871), (211, 16934), (Start: 223 @16964 has 23 MA's), (229, 16985), (233, 17006), (236, 17018), (273, 17036), (303, 17126), (356, 17324), (362, 17357), (378, 17423), (440, 17678), (453, 17699), (460, 17726), (549, 17885), (575, 17921), (610, 18014), (617, 18035), (642, 18092), (687, 18212), (703, 18248), (718, 18278), (732, 18314), (757, 18380), (765, 18401), (808, 18542), (848, 18683), (857, 18704), (901, 18839), (937, 19016), (958, 19127), (970, 19193), (975, 19214), (982, 19253), (984, 19268),

Gene: PacerPaul_24 Start: 16642, Stop: 19113, Start Num: 167

Candidate Starts for PacerPaul_24:

(Start: 167 @16642 has 215 MA's), (181, 16681), (211, 16744), (Start: 223 @16774 has 23 MA's), (229, 16795), (233, 16816), (273, 16846), (280, 16870), (303, 16936), (356, 17134), (362, 17167), (378, 17233), (440, 17488), (453, 17509), (460, 17536), (549, 17695), (575, 17731), (610, 17824), (617, 17845), (623, 17860), (630, 17881), (632, 17884), (659, 17953), (672, 17989), (687, 18022), (703, 18058), (718, 18088), (732, 18124), (757, 18190), (765, 18211), (808, 18352), (848, 18493), (857, 18514), (901, 18649), (937, 18826), (958, 18937), (970, 19003), (975, 19024), (982, 19063), (984, 19078),

Gene: PackMan_27 Start: 17590, Stop: 20499, Start Num: 51

Candidate Starts for PackMan_27:

(Start: 51 @17590 has 33 MA's), (54, 17602), (70, 17662), (127, 17821), (153, 17884), (182, 17947), (194, 17989), (220, 18046), (301, 18256), (305, 18262), (310, 18277), (336, 18367), (337, 18370), (341, 18382), (352, 18424), (362, 18478), (380, 18553), (383, 18574), (384, 18577), (387, 18595), (399, 18658), (419, 18724), (425, 18763), (429, 18790), (432, 18805), (440, 18835), (447, 18859), (450, 18871), (453, 18880), (468, 18946), (475, 18985), (493, 19051), (501, 19078), (508, 19105), (538, 19171), (569, 19216), (590, 19291), (605, 19336), (613, 19357), (623, 19378), (624, 19381), (644, 19399), (648, 19402), (659, 19429), (694, 19510), (712, 19552), (774, 19702), (778, 19717), (788, 19747), (805, 19798), (827, 19885), (830, 19894), (846, 19945), (877, 20008), (882, 20029), (893, 20065), (908, 20101), (909, 20107), (927, 20185), (934, 20212), (944, 20272), (958, 20341), (962, 20371), (968, 20398), (981, 20437), (987, 20479),

Gene: PainterBoy_27 Start: 16773, Stop: 19835, Start Num: 3

Candidate Starts for PainterBoy_27:

(Start: 3 @16773 has 3 MA's), (12, 16947), (28, 17064), (65, 17241), (115, 17397), (121, 17403), (157, 17505), (202, 17601), (236, 17709), (240, 17715), (312, 17829), (331, 17895), (339, 17922), (356, 17991), (362, 18024), (363, 18027), (381, 18114), (382, 18117), (397, 18195), (417, 18255), (429, 18315), (552, 18549), (576, 18579), (577, 18582), (653, 18735), (734, 18912), (739, 18924), (808, 19119), (812, 19140), (839, 19233), (852, 19260), (857, 19281), (864, 19302), (931, 19542), (935, 19560), (945, 19617), (966, 19728),

Gene: Palestino_24 Start: 15885, Stop: 18485, Start Num: 165

Candidate Starts for Palestino_24:

(Start: 165 @15885 has 118 MA's), (Start: 223 @16026 has 23 MA's), (Start: 228 @16044 has 10 MA's), (278, 16251), (291, 16290), (298, 16320), (333, 16437), (341, 16464), (356, 16527), (369, 16590), (380, 16635), (387, 16677), (405, 16761), (506, 17028), (533, 17079), (566, 17124), (595, 17202), (612, 17241), (662, 17355), (686, 17409), (704, 17454), (730, 17514), (736, 17532), (749, 17574), (765, 17622), (785, 17688), (828, 17853), (836, 17871), (882, 17997), (943, 18249), (944, 18252), (946, 18261), (958, 18321), (980, 18417), (986, 18465),

Gene: Panamaxus_25 Start: 16043, Stop: 19081, Start Num: 33

Candidate Starts for Panamaxus_25:

(Start: 33 @16043 has 33 MA's), (73, 16217), (81, 16229), (92, 16262), (174, 16469), (181, 16490), (218, 16589), (220, 16592), (299, 16802), (309, 16823), (321, 16856), (337, 16919), (341, 16931), (349, 16964), (353, 16982), (357, 17003), (367, 17051), (369, 17057), (373, 17072), (376, 17081), (378, 17093), (380, 17102), (397, 17195), (425, 17312), (426, 17315), (430, 17342), (432, 17354), (447, 17408), (453, 17429), (468, 17495), (475, 17534), (520, 17675), (538, 17720), (581, 17810), (582, 17819), (593, 17849), (613, 17906), (618, 17921), (644, 17948), (648, 17951), (657, 17969), (702, 18080), (743, 18161), (763, 18218), (776, 18260), (808, 18356), (812, 18377), (817, 18401), (828, 18446), (836, 18464), (852, 18512), (855, 18524), (877, 18566), (880, 18578), (893, 18626), (936, 18797), (946, 18857), (948, 18869), (955, 18896), (958, 18917), (980, 19013), (986, 19061),

Gene: Papez_26 Start: 18048, Stop: 20528, Start Num: 167

Candidate Starts for Papez_26:

(Start: 167 @18048 has 215 MA's), (181, 18087), (211, 18150), (Start: 223 @18180 has 23 MA's), (233, 18222), (327, 18429), (333, 18447), (356, 18537), (369, 18600), (376, 18624), (378, 18636), (387, 18687), (537, 19071), (592, 19173), (606, 19212), (614, 19239), (623, 19263), (718, 19491), (757, 19593), (765, 19614), (770, 19626), (777, 19656), (808, 19755), (823, 19818), (892, 20037), (903, 20070), (958, 20352), (975, 20439), (982, 20478), (986, 20508),

Gene: Paphu_23 Start: 15792, Stop: 18626, Start Num: 167

Candidate Starts for Paphu_23:

(Start: 167 @15792 has 215 MA's), (192, 15864), (300, 16107), (305, 16122), (319, 16167), (346, 16287), (350, 16305), (358, 16353), (366, 16398), (378, 16443), (379, 16446), (387, 16494), (429, 16677), (436, 16704), (458, 16788), (473, 16845), (480, 16863), (493, 16908), (504, 16944), (514, 17004), (534, 17052), (560, 17115), (561, 17118), (592, 17235), (604, 17271), (610, 17298), (614, 17310), (620, 17328), (626, 17343), (650, 17406), (697, 17535), (715, 17580), (725, 17613), (729, 17625), (774, 17754), (802, 17850), (827, 17937), (828, 17940), (836, 17958), (901, 18162), (937, 18339), (958, 18450), (975, 18537), (982, 18576), (984, 18591),

Gene: Paraselene_23 Start: 16163, Stop: 18997, Start Num: 167

Candidate Starts for Paraselene_23:

(Start: 167 @16163 has 215 MA's), (192, 16235), (300, 16478), (305, 16493), (319, 16538), (346, 16658), (350, 16676), (358, 16724), (366, 16769), (378, 16814), (379, 16817), (387, 16865), (429, 17048), (436, 17075), (458, 17159), (473, 17216), (480, 17234), (493, 17279), (504, 17315), (513, 17357), (514, 17375), (534, 17423), (560, 17486), (561, 17489), (592, 17606), (604, 17642), (610, 17669), (614, 17681), (620, 17699), (626, 17714), (650, 17777), (697, 17906), (715, 17951), (725, 17984), (729, 17996), (774, 18125), (802, 18221), (827, 18308), (828, 18311), (836, 18329), (901, 18533), (937, 18710), (958, 18821), (968, 18875), (975, 18908), (982, 18947), (984, 18962),

Gene: Pari_25 Start: 16564, Stop: 18564, Start Num: 167

Candidate Starts for Pari_25:

(Start: 167 @16564 has 215 MA's), (181, 16603), (211, 16666), (Start: 223 @16696 has 23 MA's), (229, 16717), (277, 16777), (307, 16873), (327, 16942), (331, 16954), (356, 17050), (362, 17083), (419, 17317), (575, 17605), (627, 17707), (630, 17719), (665, 17797), (685, 17839), (713, 17893), (718, 17905), (726, 17920), (731, 17938), (736, 17950), (770, 18028), (777, 18058), (808, 18154), (870, 18364), (918, 18514),

Gene: Parliament_23 Start: 16450, Stop: 18921, Start Num: 167

Candidate Starts for Parliament_23:

(Start: 167 @16450 has 215 MA's), (181, 16489), (211, 16552), (Start: 223 @16582 has 23 MA's), (229, 16603), (233, 16624), (273, 16654), (280, 16678), (303, 16744), (356, 16942), (362, 16975), (378, 17041), (440, 17296), (453, 17317), (460, 17344), (549, 17503), (575, 17539), (610, 17632), (617, 17653), (642, 17710), (687, 17830), (703, 17866), (718, 17896), (732, 17932), (757, 17998), (765, 18019), (808, 18160), (848, 18301), (857, 18322), (901, 18457), (937, 18634), (958, 18745), (970, 18811), (975, 18832), (982, 18871), (986, 18901),

Gene: Partridge_21 Start: 12664, Stop: 15504, Start Num: 159

Candidate Starts for Partridge_21:

(Start: 15 @12157 has 35 MA's), (17, 12175), (31, 12298), (37, 12319), (42, 12340), (47, 12370), (63, 12409), (94, 12484), (126, 12580), (127, 12589), (Start: 159 @12664 has 1 MA's), (173, 12685), (180, 12706), (183, 12712), (197, 12760), (232, 12832), (245, 12871), (251, 12880), (276, 12934), (296, 12994), (312, 13033), (323, 13066), (333, 13105), (348, 13162), (373, 13273), (378, 13294), (380, 13303), (387, 13345), (397, 13396), (399, 13408), (420, 13480), (421, 13483), (432, 13555), (435,

13564), (448, 13612), (453, 13630), (456, 13639), (458, 13651), (467, 13693), (472, 13723), (481, 13768), (489, 13792), (504, 13837), (522, 13888), (528, 13900), (531, 13903), (538, 13921), (546, 13936), (577, 13987), (590, 14041), (603, 14083), (627, 14137), (640, 14140), (659, 14182), (700, 14278), (713, 14308), (750, 14392), (761, 14419), (781, 14494), (793, 14539), (795, 14548), (837, 14695), (865, 14761), (884, 14815), (887, 14824), (897, 14860), (915, 14932), (921, 14956), (929, 15001), (933, 15019), (945, 15094), (950, 15127), (959, 15169), (978, 15262), (981, 15286), (992, 15442), (994, 15460),

Gene: PascalRango_23 Start: 16002, Stop: 18614, Start Num: 167

Candidate Starts for PascalRango_23:

(Start: 167 @16002 has 215 MA's), (174, 16017), (211, 16101), (213, 16107), (Start: 223 @16131 has 23 MA's), (286, 16239), (341, 16410), (355, 16470), (356, 16473), (381, 16596), (387, 16626), (400, 16689), (463, 16908), (487, 16980), (512, 17028), (530, 17073), (609, 17298), (610, 17307), (623, 17343), (629, 17358), (642, 17385), (719, 17589), (762, 17703), (765, 17712), (772, 17733), (777, 17754), (808, 17853), (812, 17874), (819, 17895), (820, 17898), (860, 18027), (888, 18111), (904, 18156), (958, 18438), (970, 18504), (975, 18525), (982, 18564), (984, 18579),

Gene: PattyP_26 Start: 16629, Stop: 19100, Start Num: 167

Candidate Starts for PattyP_26:

(Start: 167 @16629 has 215 MA's), (181, 16668), (211, 16731), (Start: 223 @16761 has 23 MA's), (229, 16782), (233, 16803), (236, 16815), (273, 16833), (280, 16857), (303, 16923), (356, 17121), (362, 17154), (378, 17220), (440, 17475), (453, 17496), (460, 17523), (549, 17682), (575, 17718), (610, 17811), (617, 17832), (642, 17889), (687, 18009), (703, 18045), (718, 18075), (732, 18111), (757, 18177), (765, 18198), (808, 18339), (848, 18480), (857, 18501), (901, 18636), (937, 18813), (958, 18924), (970, 18990), (975, 19011), (982, 19050), (984, 19065),

Gene: Pawn_27 Start: 16057, Stop: 19083, Start Num: 35

Candidate Starts for Pawn_27:

(29, 16003), (Start: 35 @16057 has 84 MA's), (57, 16171), (79, 16237), (81, 16240), (85, 16249), (97, 16285), (113, 16336), (141, 16408), (174, 16480), (218, 16600), (220, 16603), (243, 16672), (260, 16717), (299, 16810), (305, 16819), (321, 16864), (330, 16903), (337, 16927), (341, 16939), (349, 16972), (353, 16990), (357, 17011), (367, 17059), (369, 17065), (373, 17080), (376, 17089), (378, 17101), (380, 17110), (397, 17203), (421, 17290), (425, 17320), (426, 17323), (430, 17350), (432, 17362), (447, 17416), (453, 17437), (461, 17467), (468, 17503), (498, 17629), (520, 17683), (538, 17728), (570, 17776), (581, 17818), (582, 17827), (593, 17857), (618, 17929), (623, 17935), (644, 17956), (648, 17959), (654, 17971), (702, 18088), (706, 18097), (743, 18169), (744, 18172), (759, 18208), (774, 18259), (775, 18262), (777, 18271), (828, 18454), (852, 18520), (855, 18532), (877, 18574), (894, 18637), (914, 18694), (927, 18763), (936, 18799), (950, 18880), (980, 19015), (981, 19027),

Gene: Payneful_24 Start: 15902, Stop: 18370, Start Num: 167

Candidate Starts for Payneful_24:

(Start: 167 @15902 has 215 MA's), (174, 15917), (Start: 223 @16031 has 23 MA's), (229, 16052), (233, 16073), (273, 16103), (303, 16193), (356, 16391), (362, 16424), (378, 16490), (440, 16745), (453, 16766), (460, 16793), (549, 16952), (575, 16988), (610, 17081), (617, 17102), (623, 17117), (630, 17138), (632, 17141), (659, 17210), (672, 17246), (687, 17279), (703, 17315), (718, 17345), (732, 17381), (757, 17447), (765, 17468), (808, 17609), (848, 17750), (857, 17771), (901, 17906), (937, 18083), (958, 18194), (970, 18260), (975, 18281), (982, 18320), (986, 18350),

Gene: PeaceMeal1_24 Start: 13789, Stop: 16521, Start Num: 161

Candidate Starts for PeaceMeal1_24:

(Start: 161 @13789 has 8 MA's), (Start: 228 @13966 has 10 MA's), (247, 14041), (252, 14053), (294, 14215), (302, 14236), (306, 14248), (315, 14278), (323, 14311), (334, 14356), (340, 14374), (343,

14389), (344, 14398), (351, 14419), (370, 14524), (378, 14566), (414, 14731), (457, 14893), (462, 14920), (547, 15097), (571, 15142), (594, 15217), (611, 15265), (612, 15268), (619, 15289), (622, 15292), (643, 15337), (670, 15412), (672, 15415), (680, 15436), (692, 15460), (722, 15526), (731, 15556), (736, 15568), (763, 15655), (770, 15670), (785, 15724), (808, 15799), (824, 15877), (828, 15889), (836, 15907), (847, 15946), (854, 15958), (857, 15970), (874, 16012), (878, 16024), (882, 16036), (888, 16051), (895, 16072), (899, 16084), (946, 16297), (958, 16357), (965, 16402), (980, 16453), (986, 16501),

Gene: Peaches_25 Start: 15884, Stop: 18484, Start Num: 165

Candidate Starts for Peaches_25:

(Start: 165 @15884 has 118 MA's), (Start: 223 @16025 has 23 MA's), (Start: 228 @16043 has 10 MA's), (278, 16250), (291, 16289), (298, 16319), (333, 16436), (341, 16463), (356, 16526), (369, 16589), (380, 16634), (387, 16676), (405, 16760), (506, 17027), (533, 17078), (566, 17123), (595, 17201), (610, 17234), (612, 17240), (658, 17336), (660, 17345), (686, 17408), (695, 17429), (705, 17456), (730, 17513), (731, 17519), (749, 17573), (765, 17621), (785, 17687), (828, 17852), (836, 17870), (882, 17996), (943, 18248), (944, 18251), (946, 18260), (958, 18320), (980, 18416), (986, 18464),

Gene: Pelly_25 Start: 16859, Stop: 19519, Start Num: 167

Candidate Starts for Pelly_25:

(Start: 167 @16859 has 215 MA's), (181, 16898), (211, 16961), (213, 16967), (Start: 223 @16991 has 23 MA's), (233, 17033), (356, 17342), (369, 17405), (380, 17450), (385, 17474), (400, 17549), (403, 17561), (504, 17882), (610, 18212), (629, 18263), (642, 18290), (719, 18494), (762, 18608), (765, 18617), (772, 18638), (777, 18659), (808, 18758), (819, 18800), (820, 18803), (860, 18932), (888, 19016), (904, 19061), (958, 19343), (975, 19430), (982, 19469), (984, 19484),

Gene: Pembroke_27 Start: 15980, Stop: 19006, Start Num: 35

Candidate Starts for Pembroke_27:

(29, 15926), (Start: 35 @15980 has 84 MA's), (57, 16094), (79, 16160), (81, 16163), (85, 16172), (97, 16208), (113, 16259), (141, 16331), (174, 16403), (218, 16523), (220, 16526), (243, 16595), (260, 16640), (299, 16733), (305, 16742), (311, 16760), (321, 16787), (337, 16850), (341, 16862), (349, 16895), (353, 16913), (366, 16979), (367, 16982), (369, 16988), (373, 17003), (376, 17012), (378, 17024), (380, 17033), (397, 17126), (425, 17243), (426, 17246), (430, 17273), (432, 17285), (447, 17339), (453, 17360), (468, 17426), (472, 17453), (501, 17558), (520, 17606), (538, 17651), (570, 17699), (581, 17741), (582, 17750), (593, 17780), (594, 17783), (597, 17795), (618, 17852), (623, 17858), (644, 17879), (648, 17882), (706, 18020), (712, 18032), (743, 18092), (765, 18152), (774, 18182), (775, 18185), (777, 18194), (808, 18287), (828, 18377), (852, 18443), (855, 18455), (877, 18497), (894, 18560), (914, 18617), (927, 18686), (936, 18722), (950, 18803), (980, 18938),

Gene: Penny1_27 Start: 15979, Stop: 19005, Start Num: 35

Candidate Starts for Penny1_27:

(29, 15925), (Start: 35 @15979 has 84 MA's), (57, 16093), (79, 16159), (81, 16162), (85, 16171), (97, 16207), (113, 16258), (141, 16330), (174, 16402), (218, 16522), (220, 16525), (243, 16594), (260, 16639), (299, 16732), (305, 16741), (311, 16759), (321, 16786), (337, 16849), (341, 16861), (349, 16894), (353, 16912), (366, 16978), (367, 16981), (369, 16987), (373, 17002), (376, 17011), (378, 17023), (380, 17032), (393, 17110), (397, 17125), (425, 17242), (426, 17245), (430, 17272), (432, 17284), (447, 17338), (453, 17359), (468, 17425), (475, 17464), (501, 17557), (520, 17605), (538, 17650), (570, 17698), (581, 17740), (582, 17749), (593, 17779), (594, 17782), (597, 17794), (618, 17851), (623, 17857), (644, 17878), (648, 17881), (706, 18019), (712, 18031), (743, 18091), (763, 18148), (808, 18286), (812, 18307), (817, 18331), (828, 18376), (836, 18394), (852, 18442), (855, 18454), (877, 18496), (894, 18559), (914, 18616), (927, 18685), (936, 18721), (950, 18802), (980, 18937),

Gene: Pepe_25 Start: 16870, Stop: 19701, Start Num: 167

Candidate Starts for Pepe_25:

(Start: 167 @16870 has 215 MA's), (174, 16885), (300, 17182), (319, 17242), (346, 17362), (350, 17380), (366, 17473), (378, 17518), (379, 17521), (387, 17569), (429, 17752), (436, 17779), (458, 17863), (473, 17920), (480, 17938), (482, 17947), (504, 18019), (508, 18037), (514, 18079), (515, 18082), (534, 18127), (560, 18190), (561, 18193), (592, 18310), (604, 18346), (610, 18373), (614, 18385), (620, 18403), (626, 18418), (650, 18481), (697, 18610), (715, 18655), (725, 18688), (729, 18700), (774, 18829), (802, 18925), (827, 19012), (828, 19015), (836, 19033), (901, 19237), (937, 19414), (958, 19525), (975, 19612), (982, 19651), (984, 19666),

Gene: Perplexer_25 Start: 15879, Stop: 18479, Start Num: 165

Candidate Starts for Perplexer_25:

(Start: 165 @15879 has 118 MA's), (271, 16221), (284, 16269), (304, 16326), (333, 16431), (337, 16446), (341, 16458), (356, 16521), (380, 16629), (383, 16650), (387, 16671), (506, 17022), (533, 17073), (566, 17118), (610, 17229), (612, 17235), (658, 17331), (669, 17367), (686, 17403), (705, 17451), (749, 17568), (785, 17682), (828, 17847), (836, 17865), (878, 17979), (882, 17991), (913, 18081), (931, 18174), (944, 18246), (946, 18255), (958, 18315), (960, 18324), (972, 18378), (980, 18411), (986, 18459),

Gene: Perseus_25 Start: 16486, Stop: 18966, Start Num: 167

Candidate Starts for Perseus_25:

(Start: 167 @16486 has 215 MA's), (181, 16525), (211, 16588), (Start: 223 @16618 has 23 MA's), (233, 16660), (327, 16867), (333, 16885), (356, 16975), (369, 17038), (376, 17062), (378, 17074), (387, 17125), (537, 17509), (592, 17611), (606, 17650), (610, 17665), (623, 17701), (672, 17830), (718, 17929), (757, 18031), (765, 18052), (770, 18064), (777, 18094), (808, 18193), (823, 18256), (892, 18475), (903, 18508), (958, 18790), (975, 18877), (982, 18916),

Gene: PeterPeter_25 Start: 15885, Stop: 18485, Start Num: 165

Candidate Starts for PeterPeter_25:

(Start: 165 @15885 has 118 MA's), (Start: 223 @16026 has 23 MA's), (Start: 228 @16044 has 10 MA's), (278, 16251), (291, 16290), (298, 16320), (333, 16437), (341, 16464), (356, 16527), (369, 16590), (380, 16635), (387, 16677), (405, 16761), (506, 17028), (533, 17079), (566, 17124), (595, 17202), (610, 17235), (612, 17241), (619, 17262), (686, 17409), (695, 17430), (704, 17454), (731, 17520), (749, 17574), (765, 17622), (785, 17688), (828, 17853), (836, 17871), (882, 17997), (943, 18249), (944, 18252), (946, 18261), (958, 18321), (980, 18417), (986, 18465),

Gene: Petersenfast_25 Start: 17178, Stop: 19706, Start Num: 131

Candidate Starts for Petersenfast_25:

(Start: 125 @17160 has 22 MA's), (Start: 131 @17178 has 2 MA's), (Start: 188 @17352 has 18 MA's), (192, 17361), (233, 17436), (291, 17490), (308, 17544), (313, 17559), (314, 17562), (321, 17580), (337, 17643), (341, 17655), (356, 17718), (369, 17781), (373, 17796), (376, 17805), (380, 17826), (384, 17850), (387, 17865), (408, 17952), (410, 17955), (416, 17970), (422, 17991), (424, 18003), (440, 18069), (464, 18141), (473, 18165), (503, 18246), (506, 18255), (510, 18267), (522, 18309), (562, 18366), (580, 18420), (618, 18528), (638, 18567), (698, 18708), (742, 18804), (746, 18825), (760, 18858), (773, 18891), (774, 18894), (807, 18978), (819, 19023), (820, 19026), (854, 19140), (864, 19173), (888, 19245), (902, 19281), (919, 19353), (935, 19431), (944, 19485), (949, 19509), (976, 19620),

Gene: Peterson_27 Start: 18069, Stop: 20729, Start Num: 167

Candidate Starts for Peterson_27:

(Start: 167 @18069 has 215 MA's), (181, 18108), (211, 18171), (213, 18177), (Start: 223 @18201 has 23 MA's), (233, 18243), (356, 18552), (380, 18660), (385, 18684), (400, 18759), (403, 18771), (504, 19092), (610, 19422), (629, 19473), (642, 19500), (719, 19704), (762, 19818), (765, 19827), (772,

19848), (777, 19869), (808, 19968), (819, 20010), (820, 20013), (860, 20142), (888, 20226), (904, 20271), (958, 20553), (975, 20640), (982, 20679), (984, 20694),

Gene: PetiteSangsue_25 Start: 15885, Stop: 18485, Start Num: 165

Candidate Starts for PetiteSangsue_25:

(Start: 165 @15885 has 118 MA's), (271, 16227), (284, 16275), (304, 16332), (333, 16437), (337, 16452), (341, 16464), (356, 16527), (380, 16635), (383, 16656), (387, 16677), (506, 17028), (533, 17079), (566, 17124), (610, 17235), (612, 17241), (658, 17337), (669, 17373), (686, 17409), (705, 17457), (749, 17574), (785, 17688), (828, 17853), (836, 17871), (878, 17985), (882, 17997), (913, 18087), (931, 18180), (944, 18252), (946, 18261), (958, 18321), (960, 18330), (980, 18417), (986, 18465),

Gene: Petp2012_26 Start: 17297, Stop: 19771, Start Num: 167

Candidate Starts for Petp2012_26:

(Start: 167 @17297 has 215 MA's), (181, 17336), (211, 17399), (Start: 223 @17429 has 23 MA's), (229, 17450), (307, 17606), (331, 17687), (356, 17783), (362, 17816), (378, 17882), (473, 18218), (520, 18290), (597, 18437), (614, 18482), (623, 18506), (672, 18635), (718, 18734), (757, 18836), (765, 18857), (777, 18899), (808, 18998), (823, 19061), (852, 19151), (892, 19280), (903, 19313), (958, 19595), (970, 19661), (975, 19682), (982, 19721), (984, 19736),

Gene: Petruchio_24 Start: 16327, Stop: 18795, Start Num: 167

Candidate Starts for Petruchio_24:

(Start: 167 @16327 has 215 MA's), (181, 16366), (211, 16429), (Start: 223 @16459 has 23 MA's), (229, 16480), (233, 16501), (236, 16513), (273, 16531), (288, 16576), (303, 16621), (356, 16816), (362, 16849), (378, 16915), (440, 17170), (453, 17191), (460, 17218), (471, 17257), (498, 17314), (533, 17344), (549, 17377), (575, 17413), (610, 17506), (617, 17527), (642, 17584), (687, 17704), (703, 17740), (718, 17770), (732, 17806), (757, 17872), (765, 17893), (808, 18034), (848, 18175), (857, 18196), (901, 18331), (958, 18619), (975, 18706), (982, 18745),

Gene: PetterN_23 Start: 15059, Stop: 17872, Start Num: 1

Candidate Starts for PetterN_23:

(Start: 1 @15059 has 39 MA's), (9, 15248), (Start: 129 @15731 has 2 MA's), (132, 15737), (224, 15830), (243, 15881), (284, 15917), (315, 16007), (331, 16073), (337, 16094), (356, 16169), (362, 16202), (376, 16256), (381, 16289), (382, 16292), (384, 16301), (405, 16400), (411, 16409), (419, 16433), (458, 16562), (499, 16676), (558, 16718), (561, 16727), (614, 16793), (678, 16886), (693, 16919), (737, 17006), (749, 17039), (755, 17051), (768, 17081), (808, 17144), (819, 17186), (839, 17258), (852, 17285), (856, 17300), (864, 17327), (872, 17348), (902, 17435), (911, 17465), (912, 17468), (925, 17528), (943, 17627), (946, 17639), (948, 17651), (950, 17660), (980, 17807),

Gene: Ph8s_27 Start: 15361, Stop: 17886, Start Num: 117

Candidate Starts for Ph8s_27:

(Start: 117 @15361 has 5 MA's), (124, 15379), (175, 15484), (200, 15550), (203, 15553), (205, 15556), (216, 15586), (321, 15805), (329, 15841), (341, 15880), (353, 15931), (362, 15976), (366, 15997), (376, 16030), (379, 16045), (380, 16051), (383, 16072), (425, 16261), (429, 16288), (432, 16303), (447, 16357), (453, 16378), (468, 16444), (538, 16669), (546, 16684), (568, 16711), (575, 16726), (586, 16780), (590, 16789), (598, 16816), (605, 16834), (618, 16870), (644, 16897), (648, 16900), (662, 16939), (666, 16951), (706, 17038), (743, 17110), (753, 17137), (774, 17200), (788, 17245), (842, 17407), (881, 17470), (930, 17596), (945, 17668), (948, 17686), (949, 17689), (962, 17764), (977, 17800),

Gene: Phacado_25 Start: 15884, Stop: 18484, Start Num: 165

Candidate Starts for Phacado_25:

(Start: 165 @15884 has 118 MA's), (Start: 223 @16025 has 23 MA's), (Start: 228 @16043 has 10 MA's), (278, 16250), (291, 16289), (298, 16319), (333, 16436), (341, 16463), (356, 16526), (369, 16589), (380, 16634), (387, 16676), (405, 16760), (506, 17027), (533, 17078), (566, 17123), (595, 17201), (610, 17234), (612, 17240), (619, 17261), (686, 17408), (695, 17429), (704, 17453), (731, 17519), (749, 17573), (765, 17621), (785, 17687), (828, 17852), (836, 17870), (882, 17996), (943, 18248), (944, 18251), (946, 18260), (958, 18320), (980, 18416), (986, 18464),

Gene: Phaded_29 Start: 18699, Stop: 21095, Start Num: 209

Candidate Starts for Phaded_29:

(Start: 209 @18699 has 7 MA's), (Start: 215 @18717 has 5 MA's), (226, 18750), (229, 18756), (255, 18852), (264, 18894), (283, 18957), (284, 18960), (315, 19050), (319, 19065), (326, 19095), (327, 19104), (338, 19140), (341, 19149), (356, 19212), (362, 19245), (373, 19290), (378, 19311), (380, 19320), (399, 19425), (442, 19566), (517, 19734), (519, 19740), (568, 19812), (631, 19980), (641, 19998), (705, 20154), (736, 20208), (754, 20244), (772, 20295), (791, 20355), (798, 20388), (801, 20400), (812, 20433), (813, 20436), (863, 20574), (868, 20586), (886, 20628), (898, 20664), (902, 20676), (905, 20682), (948, 20892),

Gene: Phaeder_27 Start: 17590, Stop: 20499, Start Num: 51

Candidate Starts for Phaeder_27:

(Start: 51 @17590 has 33 MA's), (54, 17602), (70, 17662), (127, 17821), (153, 17884), (182, 17947), (194, 17989), (220, 18046), (301, 18256), (305, 18262), (310, 18277), (336, 18367), (337, 18370), (341, 18382), (352, 18424), (362, 18478), (380, 18553), (383, 18574), (384, 18577), (387, 18595), (399, 18658), (419, 18724), (425, 18763), (429, 18790), (432, 18805), (440, 18835), (447, 18859), (450, 18871), (453, 18880), (468, 18946), (475, 18985), (493, 19051), (501, 19078), (508, 19105), (538, 19171), (569, 19216), (590, 19291), (605, 19336), (613, 19357), (623, 19378), (624, 19381), (644, 19399), (648, 19402), (659, 19429), (694, 19510), (712, 19552), (774, 19702), (778, 19717), (788, 19747), (805, 19798), (827, 19885), (830, 19894), (846, 19945), (877, 20008), (882, 20029), (893, 20065), (908, 20101), (909, 20107), (927, 20185), (934, 20212), (944, 20272), (958, 20341), (962, 20371), (968, 20398), (981, 20437), (987, 20479),

Gene: PhailMary_20 Start: 12134, Stop: 15793, Start Num: 15

Candidate Starts for PhailMary_20:

(Start: 15 @12134 has 35 MA's), (Start: 21 @12182 has 1 MA's), (37, 12296), (42, 12317), (61, 12419), (93, 12521), (122, 12635), (139, 12683), (140, 12689), (146, 12713), (166, 12785), (177, 12818), (253, 13109), (259, 13142), (268, 13190), (270, 13196), (294, 13277), (296, 13283), (299, 13292), (312, 13322), (320, 13343), (323, 13355), (333, 13394), (348, 13451), (373, 13562), (378, 13583), (380, 13592), (387, 13634), (397, 13685), (399, 13697), (420, 13769), (421, 13772), (432, 13844), (435, 13853), (440, 13874), (446, 13895), (448, 13901), (453, 13919), (456, 13928), (458, 13940), (467, 13982), (472, 14012), (481, 14057), (489, 14081), (504, 14126), (522, 14177), (528, 14189), (531, 14192), (538, 14210), (546, 14225), (577, 14276), (603, 14372), (627, 14426), (640, 14429), (659, 14471), (700, 14567), (738, 14645), (750, 14681), (761, 14708), (763, 14720), (781, 14783), (790, 14807), (793, 14828), (798, 14843), (799, 14849), (800, 14852), (804, 14861), (837, 14984), (846, 15017), (884, 15104), (896, 15146), (897, 15149), (915, 15221), (921, 15245), (925, 15266), (929, 15290), (933, 15308), (945, 15383), (950, 15416), (959, 15458), (979, 15554), (981, 15575), (990, 15626), (992, 15731), (994, 15749),

Gene: Phantastic_25 Start: 15463, Stop: 18498, Start Num: 33

Candidate Starts for Phantastic_25:

(Start: 33 @15463 has 33 MA's), (73, 15637), (81, 15649), (92, 15682), (174, 15892), (206, 15979), (218, 16012), (220, 16015), (299, 16219), (305, 16228), (309, 16240), (321, 16273), (334, 16327), (337, 16336), (341, 16348), (349, 16381), (353, 16399), (356, 16411), (371, 16477), (378, 16510), (380, 16519), (397, 16612), (425, 16729), (432, 16771), (447, 16825), (453, 16846), (468, 16912), (520, 17092), (546, 17152), (569, 17182), (581, 17227), (582, 17236), (593, 17266), (597, 17281),

(605, 17302), (618, 17338), (644, 17365), (648, 17368), (658, 17389), (682, 17452), (712, 17518), (743, 17578), (759, 17617), (765, 17638), (774, 17668), (775, 17671), (777, 17680), (784, 17704), (808, 17773), (812, 17794), (828, 17863), (836, 17881), (852, 17929), (855, 17941), (877, 17983), (880, 17995), (893, 18043), (894, 18046), (936, 18214), (946, 18274), (948, 18286), (950, 18295), (980, 18430), (986, 18478),

Gene: Pharaoh_26 Start: 17176, Stop: 20193, Start Num: 26

Candidate Starts for Pharaoh_26:

(20, 17146), (Start: 26 @17176 has 5 MA's), (Start: 51 @17353 has 33 MA's), (53, 17356), (54, 17365), (98, 17500), (136, 17596), (153, 17647), (182, 17710), (194, 17752), (218, 17806), (220, 17809), (265, 17938), (301, 18025), (310, 18046), (317, 18067), (334, 18130), (336, 18136), (341, 18151), (348, 18181), (352, 18193), (353, 18202), (361, 18238), (367, 18271), (380, 18322), (383, 18343), (384, 18346), (425, 18532), (432, 18574), (438, 18592), (447, 18628), (453, 18649), (468, 18715), (470, 18733), (472, 18742), (475, 18754), (481, 18787), (492, 18817), (505, 18865), (538, 18940), (590, 19060), (598, 19087), (605, 19105), (611, 19120), (618, 19141), (644, 19168), (658, 19192), (683, 19255), (752, 19408), (759, 19420), (774, 19471), (788, 19516), (817, 19612), (873, 19741), (877, 19750), (910, 19831), (930, 19903), (949, 19990), (962, 20065), (968, 20092), (981, 20131),

Gene: Phelipe_25 Start: 15885, Stop: 18485, Start Num: 165

Candidate Starts for Phelipe_25:

(Start: 165 @15885 has 118 MA's), (Start: 223 @16026 has 23 MA's), (Start: 228 @16044 has 10 MA's), (278, 16251), (291, 16290), (298, 16320), (312, 16356), (333, 16437), (341, 16464), (356, 16527), (369, 16590), (380, 16635), (387, 16677), (405, 16761), (506, 17028), (533, 17079), (566, 17124), (595, 17202), (610, 17235), (612, 17241), (619, 17262), (686, 17409), (695, 17430), (704, 17454), (731, 17520), (749, 17574), (765, 17622), (785, 17688), (828, 17853), (836, 17871), (882, 17997), (943, 18249), (944, 18252), (946, 18261), (958, 18321), (980, 18417), (986, 18465),

Gene: PherrisBueller_25 Start: 16235, Stop: 18706, Start Num: 167

Candidate Starts for PherrisBueller_25:

(Start: 167 @16235 has 215 MA's), (181, 16274), (211, 16337), (Start: 223 @16367 has 23 MA's), (229, 16388), (233, 16409), (273, 16439), (280, 16463), (303, 16529), (356, 16727), (362, 16760), (378, 16826), (440, 17081), (453, 17102), (460, 17129), (549, 17288), (575, 17324), (610, 17417), (617, 17438), (642, 17495), (687, 17615), (703, 17651), (718, 17681), (732, 17717), (757, 17783), (765, 17804), (808, 17945), (848, 18086), (857, 18107), (901, 18242), (937, 18419), (958, 18530), (975, 18617), (982, 18656), (986, 18686),

Gene: Phighter1804_25 Start: 15863, Stop: 18463, Start Num: 165

Candidate Starts for Phighter1804_25:

(Start: 165 @15863 has 118 MA's), (Start: 223 @16004 has 23 MA's), (Start: 228 @16022 has 10 MA's), (278, 16229), (298, 16298), (333, 16415), (341, 16442), (356, 16505), (369, 16568), (380, 16613), (387, 16655), (405, 16739), (471, 16946), (506, 17006), (533, 17057), (566, 17102), (595, 17180), (610, 17213), (612, 17219), (662, 17333), (686, 17387), (704, 17432), (730, 17492), (749, 17552), (785, 17666), (791, 17684), (828, 17831), (836, 17849), (882, 17975), (943, 18227), (944, 18230), (946, 18239), (957, 18296), (958, 18299), (965, 18344), (980, 18395), (986, 18443),

Gene: Phillis_22 Start: 14522, Stop: 17599, Start Num: 14

Candidate Starts for Phillis_22:

(Start: 14 @14522 has 12 MA's), (22, 14606), (48, 14774), (50, 14798), (76, 14846), (113, 14966), (123, 14993), (138, 15038), (191, 15188), (192, 15191), (198, 15197), (291, 15383), (310, 15443), (339, 15542), (342, 15557), (355, 15608), (356, 15611), (362, 15644), (369, 15677), (408, 15845), (464, 16028), (473, 16052), (495, 16100), (506, 16121), (507, 16124), (572, 16268), (587, 16325), (601, 16355), (616, 16394), (653, 16466), (662, 16496), (712, 16595), (725, 16625), (742, 16670), (753, 16703), (808, 16868), (812, 16889), (815, 16901), (839, 16982), (852, 17009), (872, 17072),

(880, 17096), (889, 17126), (902, 17159), (912, 17192), (925, 17252), (930, 17279), (949, 17378), (950, 17384), (967, 17474), (976, 17495), (982, 17534), (991, 17582),

Gene: PhineBark_23 Start: 17126, Stop: 19597, Start Num: 167

Candidate Starts for PhineBark_23:

(Start: 167 @17126 has 215 MA's), (181, 17165), (211, 17228), (Start: 223 @17258 has 23 MA's), (229, 17279), (233, 17300), (273, 17330), (280, 17354), (303, 17420), (356, 17618), (362, 17651), (378, 17717), (440, 17972), (453, 17993), (460, 18020), (549, 18179), (575, 18215), (610, 18308), (617, 18329), (642, 18386), (687, 18506), (703, 18542), (718, 18572), (732, 18608), (757, 18674), (765, 18695), (808, 18836), (848, 18977), (857, 18998), (901, 19133), (937, 19310), (958, 19421), (970, 19487), (975, 19508), (982, 19547), (984, 19562),

Gene: PhishRPhriends_26 Start: 15241, Stop: 18267, Start Num: 35

Candidate Starts for PhishRPhriends_26:

(29, 15187), (Start: 35 @15241 has 84 MA's), (57, 15355), (79, 15421), (81, 15424), (85, 15433), (97, 15469), (113, 15520), (141, 15592), (174, 15664), (218, 15784), (220, 15787), (243, 15856), (260, 15901), (299, 15994), (305, 16003), (321, 16048), (330, 16087), (337, 16111), (341, 16123), (349, 16156), (353, 16174), (357, 16195), (367, 16243), (369, 16249), (373, 16264), (376, 16273), (378, 16285), (380, 16294), (397, 16387), (421, 16474), (425, 16504), (426, 16507), (430, 16534), (432, 16546), (447, 16600), (453, 16621), (461, 16651), (468, 16687), (498, 16813), (520, 16867), (538, 16912), (569, 16957), (570, 16960), (581, 17002), (582, 17011), (593, 17041), (618, 17113), (623, 17119), (644, 17140), (648, 17143), (654, 17155), (702, 17272), (706, 17281), (743, 17353), (744, 17356), (759, 17392), (774, 17443), (775, 17446), (777, 17455), (828, 17638), (852, 17704), (855, 17716), (877, 17758), (894, 17821), (914, 17878), (927, 17947), (936, 17983), (950, 18064), (980, 18199), (981, 18211),

Gene: Phlei_21 Start: 17431, Stop: 20733, Start Num: 2

Candidate Starts for Phlei_21:

(2, 17431), (5, 17455), (8, 17557), (19, 17701), (28, 17746), (38, 17836), (74, 17962), (76, 17968), (105, 18067), (137, 18178), (192, 18352), (202, 18364), (217, 18403), (229, 18439), (291, 18547), (310, 18607), (320, 18634), (325, 18652), (327, 18667), (356, 18775), (364, 18820), (368, 18832), (373, 18853), (380, 18883), (408, 19009), (431, 19102), (471, 19198), (494, 19252), (495, 19255), (496, 19258), (516, 19285), (529, 19309), (536, 19321), (603, 19468), (702, 19711), (734, 19786), (745, 19810), (787, 19927), (794, 19957), (808, 19993), (811, 20005), (812, 20014), (814, 20023), (839, 20107), (852, 20134), (864, 20176), (872, 20197), (924, 20386), (927, 20413), (945, 20512), (948, 20530), (949, 20533), (963, 20608),

Gene: Phlippers_23 Start: 17321, Stop: 19900, Start Num: 167

Candidate Starts for Phlippers_23:

(Start: 167 @17321 has 215 MA's), (181, 17360), (211, 17423), (Start: 223 @17453 has 23 MA's), (318, 17672), (328, 17708), (369, 17876), (380, 17921), (384, 17945), (387, 17963), (482, 18275), (559, 18431), (588, 18533), (599, 18566), (624, 18638), (642, 18677), (672, 18764), (718, 18863), (757, 18965), (765, 18986), (770, 18998), (777, 19028), (808, 19127), (823, 19190), (852, 19280), (892, 19409), (903, 19442), (937, 19613), (958, 19724), (970, 19790), (975, 19811), (982, 19850), (986, 19880),

Gene: Phlorence_22 Start: 15349, Stop: 18690, Start Num: 1

Candidate Starts for Phlorence_22:

(Start: 1 @15349 has 39 MA's), (32, 15787), (Start: 129 @16099 has 2 MA's), (152, 16177), (Start: 161 @16207 has 8 MA's), (184, 16264), (236, 16411), (240, 16417), (243, 16423), (312, 16549), (316, 16561), (356, 16711), (363, 16747), (369, 16777), (373, 16792), (380, 16822), (381, 16834), (386, 16858), (399, 16927), (423, 16993), (473, 17149), (506, 17218), (507, 17221), (524, 17248), (541, 17272), (589, 17410), (598, 17431), (614, 17476), (634, 17518), (722, 17710), (731, 17740), (742,

17764), (745, 17776), (751, 17797), (768, 17839), (794, 17926), (808, 17962), (812, 17983), (819, 18004), (843, 18082), (852, 18103), (857, 18124), (864, 18145), (872, 18166), (880, 18190), (902, 18253), (925, 18346), (928, 18364), (943, 18445), (946, 18457), (948, 18469), (950, 18478), (961, 18532), (979, 18616), (980, 18625),

Gene: Phoebe_27 Start: 15977, Stop: 19003, Start Num: 35

Candidate Starts for Phoebe_27:

(29, 15923), (Start: 35 @15977 has 84 MA's), (57, 16091), (79, 16157), (81, 16160), (85, 16169), (97, 16205), (113, 16256), (141, 16328), (174, 16400), (218, 16520), (220, 16523), (243, 16592), (260, 16637), (299, 16730), (305, 16739), (311, 16757), (321, 16784), (337, 16847), (341, 16859), (349, 16892), (353, 16910), (366, 16976), (367, 16979), (369, 16985), (373, 17000), (376, 17009), (378, 17021), (380, 17030), (397, 17123), (425, 17240), (426, 17243), (430, 17270), (432, 17282), (447, 17336), (453, 17357), (468, 17423), (472, 17450), (501, 17555), (520, 17603), (538, 17648), (570, 17696), (581, 17738), (582, 17747), (593, 17777), (594, 17780), (597, 17792), (618, 17849), (623, 17855), (644, 17876), (648, 17879), (706, 18017), (712, 18029), (743, 18089), (765, 18149), (774, 18179), (775, 18182), (777, 18191), (808, 18284), (828, 18374), (852, 18440), (855, 18452), (877, 18494), (894, 18557), (914, 18614), (927, 18683), (936, 18719), (950, 18800), (980, 18935),

Gene: Phonnegut_27 Start: 17623, Stop: 20532, Start Num: 51

Candidate Starts for Phonnegut_27:

(Start: 51 @17623 has 33 MA's), (54, 17635), (70, 17695), (127, 17854), (153, 17917), (182, 17980), (194, 18022), (220, 18079), (233, 18118), (301, 18289), (305, 18295), (310, 18310), (336, 18400), (337, 18403), (341, 18415), (352, 18457), (362, 18511), (380, 18586), (383, 18607), (384, 18610), (387, 18628), (399, 18691), (419, 18757), (425, 18796), (429, 18823), (432, 18838), (440, 18868), (447, 18892), (450, 18904), (453, 18913), (468, 18979), (475, 19018), (493, 19084), (501, 19111), (508, 19138), (569, 19249), (590, 19324), (605, 19369), (613, 19390), (623, 19411), (624, 19414), (644, 19432), (648, 19435), (659, 19462), (667, 19489), (694, 19543), (774, 19735), (778, 19750), (788, 19780), (805, 19831), (827, 19918), (830, 19927), (846, 19978), (877, 20041), (882, 20062), (893, 20098), (908, 20134), (909, 20140), (927, 20218), (934, 20245), (944, 20305), (958, 20374), (962, 20404), (968, 20431), (981, 20470), (987, 20512),

Gene: Phontbonne_25 Start: 15829, Stop: 18429, Start Num: 165

Candidate Starts for Phontbonne_25:

(Start: 165 @15829 has 118 MA's), (Start: 223 @15970 has 23 MA's), (Start: 228 @15988 has 10 MA's), (278, 16195), (291, 16234), (298, 16264), (333, 16381), (341, 16408), (356, 16471), (369, 16534), (380, 16579), (387, 16621), (405, 16705), (471, 16912), (506, 16972), (533, 17023), (566, 17068), (595, 17146), (610, 17179), (612, 17185), (686, 17353), (695, 17374), (704, 17398), (730, 17458), (731, 17464), (732, 17467), (749, 17518), (765, 17566), (785, 17632), (828, 17797), (836, 17815), (882, 17941), (943, 18193), (944, 18196), (946, 18205), (958, 18265), (980, 18361), (986, 18409),

Gene: Phoxy_27 Start: 16063, Stop: 19089, Start Num: 35

Candidate Starts for Phoxy_27:

(29, 16009), (Start: 35 @16063 has 84 MA's), (57, 16177), (79, 16243), (81, 16246), (85, 16255), (97, 16291), (113, 16342), (141, 16414), (174, 16486), (218, 16606), (220, 16609), (243, 16678), (260, 16723), (299, 16816), (305, 16825), (311, 16843), (321, 16870), (337, 16933), (341, 16945), (349, 16978), (353, 16996), (366, 17062), (367, 17065), (369, 17071), (373, 17086), (376, 17095), (378, 17107), (380, 17116), (393, 17194), (397, 17209), (425, 17326), (426, 17329), (430, 17356), (432, 17368), (447, 17422), (453, 17443), (468, 17509), (475, 17548), (501, 17641), (520, 17689), (538, 17734), (581, 17824), (582, 17833), (593, 17863), (613, 17920), (618, 17935), (644, 17962), (648, 17965), (706, 18103), (712, 18115), (743, 18175), (763, 18232), (808, 18370), (812, 18391), (817, 18415), (828, 18460), (836, 18478), (852, 18526), (855, 18538), (877, 18580), (894, 18643), (914, 18700), (927, 18769), (936, 18805), (950, 18886), (980, 19021),

Gene: Phrankenstein_21 Start: 12124, Stop: 15471, Start Num: 15

Candidate Starts for Phrankenstein_21:

(Start: 15 @12124 has 35 MA's), (17, 12142), (31, 12265), (37, 12286), (42, 12307), (47, 12337), (94, 12451), (107, 12499), (126, 12547), (127, 12556), (Start: 159 @12631 has 1 MA's), (173, 12652), (180, 12673), (183, 12679), (197, 12727), (232, 12799), (245, 12838), (251, 12847), (276, 12901), (294, 12955), (296, 12961), (312, 13000), (323, 13033), (333, 13072), (348, 13129), (373, 13240), (378, 13261), (380, 13270), (387, 13312), (397, 13363), (399, 13375), (420, 13447), (421, 13450), (432, 13522), (435, 13531), (441, 13555), (448, 13579), (450, 13588), (452, 13594), (453, 13597), (456, 13606), (458, 13618), (467, 13660), (472, 13690), (477, 13714), (481, 13735), (489, 13759), (504, 13804), (522, 13855), (528, 13867), (531, 13870), (538, 13888), (546, 13903), (577, 13954), (590, 14008), (652, 14131), (661, 14158), (670, 14182), (684, 14209), (700, 14245), (713, 14275), (750, 14359), (776, 14440), (790, 14485), (792, 14497), (793, 14506), (795, 14515), (798, 14521), (799, 14527), (808, 14548), (837, 14662), (842, 14683), (865, 14728), (884, 14782), (897, 14827), (915, 14899), (921, 14923), (929, 14968), (933, 14986), (945, 15061), (950, 15094), (959, 15136), (973, 15214), (978, 15229), (981, 15253), (992, 15409), (993, 15421), (994, 15427),

Gene: Phranny_28 Start: 16049, Stop: 19075, Start Num: 35

Candidate Starts for Phranny_28:

(29, 15995), (Start: 35 @16049 has 84 MA's), (57, 16163), (79, 16229), (81, 16232), (85, 16241), (97, 16277), (113, 16328), (141, 16400), (174, 16472), (218, 16592), (220, 16595), (243, 16664), (260, 16709), (299, 16802), (305, 16811), (321, 16856), (330, 16895), (337, 16919), (341, 16931), (349, 16964), (353, 16982), (357, 17003), (367, 17051), (369, 17057), (373, 17072), (376, 17081), (378, 17093), (380, 17102), (397, 17195), (421, 17282), (425, 17312), (426, 17315), (430, 17342), (432, 17354), (447, 17408), (453, 17429), (461, 17459), (468, 17495), (498, 17621), (520, 17675), (538, 17720), (570, 17768), (581, 17810), (582, 17819), (593, 17849), (618, 17921), (623, 17927), (644, 17948), (648, 17951), (654, 17963), (702, 18080), (706, 18089), (743, 18161), (744, 18164), (759, 18200), (774, 18251), (775, 18254), (777, 18263), (828, 18446), (852, 18512), (855, 18524), (877, 18566), (894, 18629), (914, 18686), (927, 18755), (936, 18791), (950, 18872), (980, 19007), (981, 19019),

Gene: PhrostyMug_24 Start: 16398, Stop: 18878, Start Num: 167

Candidate Starts for PhrostyMug_24:

(Start: 167 @16398 has 215 MA's), (181, 16437), (211, 16500), (Start: 223 @16530 has 23 MA's), (233, 16572), (327, 16779), (333, 16797), (356, 16887), (369, 16950), (376, 16974), (378, 16986), (387, 17037), (537, 17421), (592, 17523), (606, 17562), (614, 17589), (623, 17613), (672, 17742), (718, 17841), (757, 17943), (765, 17964), (777, 18006), (808, 18105), (823, 18168), (892, 18387), (903, 18420), (958, 18702), (975, 18789), (982, 18828), (984, 18843),

Gene: PickleBack_22 Start: 15063, Stop: 18404, Start Num: 1

Candidate Starts for PickleBack_22:

(Start: 1 @15063 has 39 MA's), (32, 15501), (Start: 129 @15813 has 2 MA's), (152, 15891), (Start: 161 @15921 has 8 MA's), (184, 15978), (236, 16125), (240, 16131), (243, 16137), (312, 16263), (316, 16275), (356, 16425), (363, 16461), (369, 16491), (373, 16506), (380, 16536), (381, 16548), (386, 16572), (399, 16641), (423, 16707), (473, 16863), (506, 16932), (507, 16935), (524, 16962), (541, 16986), (589, 17124), (598, 17145), (614, 17190), (634, 17232), (722, 17424), (731, 17454), (742, 17478), (745, 17490), (751, 17511), (768, 17553), (794, 17640), (808, 17676), (812, 17697), (819, 17718), (843, 17796), (852, 17817), (857, 17838), (864, 17859), (872, 17880), (880, 17904), (902, 17967), (925, 18060), (928, 18078), (943, 18159), (946, 18171), (948, 18183), (950, 18192), (961, 18246), (979, 18330), (980, 18339),

Gene: PinkPlastic_23 Start: 16163, Stop: 18640, Start Num: 167

Candidate Starts for PinkPlastic_23:

(Start: 167 @16163 has 215 MA's), (181, 16202), (211, 16265), (217, 16283), (Start: 223 @16295 has 23 MA's), (229, 16316), (274, 16376), (307, 16472), (327, 16541), (331, 16553), (356, 16649), (362, 16682), (537, 17183), (592, 17285), (606, 17324), (610, 17339), (614, 17351), (623, 17375), (672, 17504), (718, 17603), (757, 17705), (765, 17726), (777, 17768), (808, 17867), (823, 17930), (852, 18020), (892, 18149), (903, 18182), (958, 18464), (970, 18530), (975, 18551), (982, 18590), (984, 18605),

Gene: Pinto_26 Start: 16466, Stop: 18934, Start Num: 167

Candidate Starts for Pinto_26:

(Start: 167 @16466 has 215 MA's), (174, 16481), (Start: 223 @16595 has 23 MA's), (229, 16616), (233, 16637), (273, 16667), (280, 16691), (288, 16712), (303, 16757), (356, 16955), (362, 16988), (378, 17054), (440, 17309), (453, 17330), (460, 17357), (549, 17516), (575, 17552), (610, 17645), (617, 17666), (623, 17681), (630, 17702), (632, 17705), (659, 17774), (672, 17810), (687, 17843), (703, 17879), (718, 17909), (732, 17945), (757, 18011), (765, 18032), (808, 18173), (848, 18314), (857, 18335), (901, 18470), (937, 18647), (958, 18758), (970, 18824), (975, 18845), (982, 18884),

Gene: Pioneer_27 Start: 17623, Stop: 20532, Start Num: 51

Candidate Starts for Pioneer_27:

(Start: 51 @17623 has 33 MA's), (54, 17635), (70, 17695), (127, 17854), (153, 17917), (182, 17980), (194, 18022), (220, 18079), (233, 18118), (301, 18289), (305, 18295), (310, 18310), (336, 18400), (337, 18403), (341, 18415), (352, 18457), (362, 18511), (380, 18586), (383, 18607), (384, 18610), (387, 18628), (399, 18691), (419, 18757), (425, 18796), (429, 18823), (432, 18838), (440, 18868), (447, 18892), (450, 18904), (453, 18913), (468, 18979), (475, 19018), (493, 19084), (501, 19111), (508, 19138), (569, 19249), (590, 19324), (605, 19369), (613, 19390), (623, 19411), (624, 19414), (644, 19432), (648, 19435), (659, 19462), (667, 19489), (694, 19543), (774, 19735), (778, 19750), (788, 19780), (805, 19831), (827, 19918), (830, 19927), (846, 19978), (877, 20041), (882, 20062), (893, 20098), (908, 20134), (909, 20140), (927, 20218), (934, 20245), (944, 20305), (958, 20374), (962, 20404), (968, 20431), (981, 20470), (987, 20512),

Gene: Pipcraft_25 Start: 16026, Stop: 18485, Start Num: 223

Candidate Starts for Pipcraft_25:

(Start: 165 @15885 has 118 MA's), (Start: 223 @16026 has 23 MA's), (Start: 228 @16044 has 10 MA's), (278, 16251), (291, 16290), (298, 16320), (333, 16437), (341, 16464), (356, 16527), (369, 16590), (380, 16635), (387, 16677), (405, 16761), (506, 17028), (533, 17079), (566, 17124), (595, 17202), (612, 17241), (686, 17409), (695, 17430), (704, 17454), (731, 17520), (749, 17574), (765, 17622), (785, 17688), (828, 17853), (836, 17871), (882, 17997), (943, 18249), (944, 18252), (946, 18261), (958, 18321), (980, 18417), (986, 18465),

Gene: Pippin_26 Start: 16733, Stop: 19204, Start Num: 167

Candidate Starts for Pippin_26:

(Start: 167 @16733 has 215 MA's), (181, 16772), (211, 16835), (Start: 223 @16865 has 23 MA's), (229, 16886), (233, 16907), (236, 16919), (273, 16937), (280, 16961), (324, 17099), (333, 17135), (356, 17225), (362, 17258), (378, 17324), (440, 17579), (453, 17600), (460, 17627), (462, 17642), (498, 17723), (549, 17786), (575, 17822), (610, 17915), (617, 17936), (623, 17951), (630, 17972), (632, 17975), (659, 18044), (672, 18080), (687, 18113), (703, 18149), (718, 18179), (732, 18215), (757, 18281), (765, 18302), (808, 18443), (848, 18584), (857, 18605), (901, 18740), (937, 18917), (958, 19028), (970, 19094), (975, 19115), (982, 19154), (984, 19169),

Gene: Piro94_27 Start: 17131, Stop: 19638, Start Num: 120

Candidate Starts for Piro94_27:

(Start: 120 @17131 has 91 MA's), (175, 17242), (195, 17299), (296, 17485), (321, 17548), (328, 17581), (330, 17587), (373, 17767), (376, 17776), (379, 17791), (380, 17797), (383, 17818), (384, 17821), (387, 17839), (398, 17899), (425, 18007), (432, 18049), (435, 18058), (438, 18067), (447,

18103), (453, 18124), (467, 18187), (468, 18190), (470, 18208), (475, 18229), (538, 18415), (546, 18430), (568, 18457), (582, 18514), (587, 18529), (590, 18535), (593, 18544), (595, 18550), (605, 18580), (613, 18601), (648, 18646), (651, 18652), (662, 18685), (673, 18712), (706, 18784), (712, 18796), (743, 18856), (753, 18883), (774, 18946), (788, 18991), (803, 19039), (815, 19075), (822, 19108), (864, 19171), (877, 19195), (930, 19339), (949, 19438), (964, 19525), (989, 19624),

Gene: Pistachio_26 Start: 15042, Stop: 18077, Start Num: 33

Candidate Starts for Pistachio_26:

(Start: 33 @15042 has 33 MA's), (73, 15216), (81, 15228), (92, 15261), (174, 15471), (218, 15591), (220, 15594), (299, 15798), (309, 15819), (320, 15849), (321, 15852), (337, 15915), (341, 15927), (349, 15960), (353, 15978), (367, 16047), (369, 16053), (373, 16068), (376, 16077), (378, 16089), (380, 16098), (397, 16191), (425, 16308), (426, 16311), (429, 16335), (430, 16338), (432, 16350), (447, 16404), (453, 16425), (458, 16446), (468, 16491), (472, 16518), (475, 16530), (520, 16671), (538, 16716), (546, 16731), (581, 16806), (582, 16815), (593, 16845), (597, 16860), (598, 16863), (605, 16881), (613, 16902), (614, 16905), (644, 16944), (648, 16947), (682, 17031), (712, 17097), (723, 17118), (743, 17157), (759, 17196), (765, 17217), (774, 17247), (775, 17250), (777, 17259), (784, 17283), (808, 17352), (812, 17373), (828, 17442), (836, 17460), (852, 17508), (855, 17520), (877, 17562), (880, 17574), (893, 17622), (936, 17793), (940, 17823), (946, 17853), (950, 17874), (980, 18009), (986, 18057),

Gene: Pita2_26 Start: 16832, Stop: 19303, Start Num: 167

Candidate Starts for Pita2_26:

(Start: 167 @16832 has 215 MA's), (181, 16871), (211, 16934), (Start: 223 @16964 has 23 MA's), (229, 16985), (233, 17006), (236, 17018), (273, 17036), (303, 17126), (356, 17324), (362, 17357), (378, 17423), (440, 17678), (453, 17699), (460, 17726), (549, 17885), (575, 17921), (610, 18014), (617, 18035), (642, 18092), (687, 18212), (703, 18248), (718, 18278), (732, 18314), (757, 18380), (765, 18401), (808, 18542), (848, 18683), (857, 18704), (901, 18839), (937, 19016), (958, 19127), (970, 19193), (975, 19214), (982, 19253), (984, 19268),

Gene: Pmask_29 Start: 16729, Stop: 18933, Start Num: 128

Candidate Starts for Pmask_29:

(69, 16570), (107, 16684), (Start: 128 @16729 has 47 MA's), (175, 16840), (176, 16846), (Start: 223 @16954 has 23 MA's), (233, 16996), (304, 17119), (316, 17155), (325, 17182), (356, 17305), (362, 17338), (382, 17428), (395, 17497), (473, 17740), (577, 17878), (670, 17998), (773, 18151), (808, 18214), (819, 18256), (852, 18355), (857, 18376), (864, 18397), (872, 18418), (888, 18469), (892, 18481), (899, 18496), (919, 18577), (935, 18655),

Gene: Pocahontas_26 Start: 16040, Stop: 19078, Start Num: 33

Candidate Starts for Pocahontas_26:

(Start: 33 @16040 has 33 MA's), (73, 16214), (81, 16226), (92, 16259), (174, 16466), (181, 16487), (218, 16586), (220, 16589), (299, 16799), (309, 16820), (321, 16853), (337, 16916), (341, 16928), (349, 16961), (353, 16979), (357, 17000), (367, 17048), (369, 17054), (373, 17069), (376, 17078), (378, 17090), (380, 17099), (397, 17192), (425, 17309), (426, 17312), (430, 17339), (432, 17351), (447, 17405), (453, 17426), (468, 17492), (475, 17531), (520, 17672), (538, 17717), (581, 17807), (582, 17816), (593, 17846), (613, 17903), (618, 17918), (644, 17945), (648, 17948), (657, 17966), (702, 18077), (743, 18158), (763, 18215), (776, 18257), (808, 18353), (812, 18374), (817, 18398), (828, 18443), (836, 18461), (852, 18509), (855, 18521), (877, 18563), (880, 18575), (893, 18623), (936, 18794), (946, 18854), (948, 18866), (955, 18893), (958, 18914), (980, 19010), (986, 19058),

Gene: Polymorphads_25 Start: 15882, Stop: 18482, Start Num: 165

Candidate Starts for Polymorphads_25:

(Start: 165 @15882 has 118 MA's), (Start: 223 @16023 has 23 MA's), (Start: 228 @16041 has 10 MA's), (278, 16248), (291, 16287), (298, 16317), (333, 16434), (341, 16461), (356, 16524), (369,

16587), (380, 16632), (387, 16674), (405, 16758), (471, 16965), (506, 17025), (533, 17076), (566, 17121), (595, 17199), (610, 17232), (612, 17238), (686, 17406), (695, 17427), (704, 17451), (730, 17511), (731, 17517), (732, 17520), (749, 17571), (765, 17619), (785, 17685), (828, 17850), (836, 17868), (882, 17994), (943, 18246), (944, 18249), (946, 18258), (958, 18318), (980, 18414), (986, 18462),

Gene: Polyphemus_29 Start: 16727, Stop: 18931, Start Num: 128

Candidate Starts for Polyphemus_29:

(69, 16568), (107, 16682), (Start: 128 @16727 has 47 MA's), (175, 16838), (Start: 223 @16952 has 23 MA's), (233, 16994), (304, 17117), (316, 17153), (325, 17180), (356, 17303), (362, 17336), (382, 17426), (395, 17495), (473, 17738), (577, 17876), (670, 17996), (773, 18149), (808, 18212), (819, 18254), (852, 18353), (857, 18374), (864, 18395), (872, 18416), (888, 18467), (892, 18479), (899, 18494), (919, 18575), (935, 18653),

Gene: Pomar16_29 Start: 16549, Stop: 19062, Start Num: 120

Candidate Starts for Pomar16_29:

(Start: 120 @16549 has 91 MA's), (203, 16729), (205, 16732), (321, 16978), (336, 17038), (341, 17053), (348, 17083), (349, 17086), (366, 17170), (373, 17194), (379, 17218), (383, 17245), (384, 17248), (404, 17353), (425, 17434), (429, 17461), (432, 17476), (447, 17530), (453, 17551), (468, 17617), (470, 17635), (472, 17644), (498, 17743), (508, 17776), (515, 17785), (538, 17842), (546, 17857), (590, 17962), (597, 17986), (648, 18073), (654, 18085), (657, 18091), (666, 18124), (694, 18181), (723, 18244), (774, 18373), (778, 18388), (788, 18418), (792, 18430), (803, 18466), (842, 18580), (856, 18592), (879, 18634), (945, 18841), (948, 18859), (949, 18862), (989, 19048),

Gene: Poompha_24 Start: 13787, Stop: 16519, Start Num: 161

Candidate Starts for Poompha_24:

(Start: 161 @13787 has 8 MA's), (Start: 228 @13964 has 10 MA's), (247, 14039), (252, 14051), (294, 14213), (302, 14234), (306, 14246), (315, 14276), (323, 14309), (334, 14354), (340, 14372), (343, 14387), (344, 14396), (351, 14417), (370, 14522), (378, 14564), (414, 14729), (457, 14891), (462, 14918), (547, 15095), (571, 15140), (594, 15215), (611, 15263), (612, 15266), (619, 15287), (622, 15290), (643, 15335), (670, 15410), (672, 15413), (680, 15434), (692, 15458), (722, 15524), (731, 15554), (736, 15566), (753, 15620), (763, 15653), (770, 15668), (785, 15722), (808, 15797), (824, 15875), (828, 15887), (836, 15905), (847, 15944), (854, 15956), (857, 15968), (874, 16010), (878, 16022), (882, 16034), (888, 16049), (895, 16070), (899, 16082), (946, 16295), (958, 16355), (965, 16400), (980, 16451), (986, 16499),

Gene: Popcicle_26 Start: 16040, Stop: 19078, Start Num: 33

Candidate Starts for Popcicle_26:

(Start: 33 @16040 has 33 MA's), (73, 16214), (81, 16226), (92, 16259), (174, 16466), (181, 16487), (218, 16586), (220, 16589), (299, 16799), (309, 16820), (321, 16853), (337, 16916), (341, 16928), (349, 16961), (353, 16979), (357, 17000), (367, 17048), (369, 17054), (373, 17069), (376, 17078), (378, 17090), (380, 17099), (397, 17192), (425, 17309), (426, 17312), (430, 17339), (432, 17351), (447, 17405), (453, 17426), (468, 17492), (475, 17531), (520, 17672), (538, 17717), (581, 17807), (582, 17816), (593, 17846), (613, 17903), (618, 17918), (644, 17945), (648, 17948), (657, 17966), (702, 18077), (743, 18158), (763, 18215), (776, 18257), (808, 18353), (812, 18374), (817, 18398), (828, 18443), (836, 18461), (852, 18509), (855, 18521), (877, 18563), (880, 18575), (893, 18623), (936, 18794), (946, 18854), (948, 18866), (955, 18893), (958, 18914), (980, 19010), (986, 19058),

Gene: PotatoSplit_28 Start: 15979, Stop: 19005, Start Num: 35

Candidate Starts for PotatoSplit_28:

(29, 15925), (Start: 35 @15979 has 84 MA's), (57, 16093), (79, 16159), (81, 16162), (85, 16171), (97, 16207), (113, 16258), (141, 16330), (174, 16402), (218, 16522), (220, 16525), (243, 16594), (260, 16639), (299, 16732), (305, 16741), (311, 16759), (321, 16786), (337, 16849), (341, 16861), (349,

16894), (353, 16912), (366, 16978), (367, 16981), (369, 16987), (373, 17002), (376, 17011), (378, 17023), (380, 17032), (393, 17110), (397, 17125), (425, 17242), (426, 17245), (430, 17272), (432, 17284), (447, 17338), (453, 17359), (468, 17425), (475, 17464), (501, 17557), (520, 17605), (538, 17650), (570, 17698), (581, 17740), (582, 17749), (593, 17779), (594, 17782), (597, 17794), (618, 17851), (623, 17857), (644, 17878), (648, 17881), (706, 18019), (712, 18031), (743, 18091), (763, 18148), (808, 18286), (812, 18307), (817, 18331), (828, 18376), (836, 18394), (852, 18442), (855, 18454), (877, 18496), (894, 18559), (914, 18616), (927, 18685), (936, 18721), (950, 18802), (980, 18937),

Gene: Power_26 Start: 16547, Stop: 19084, Start Num: 120

Candidate Starts for Power_26:

(Start: 120 @16547 has 91 MA's), (200, 16724), (203, 16727), (205, 16730), (216, 16760), (292, 16898), (296, 16919), (299, 16928), (309, 16949), (321, 16982), (336, 17042), (341, 17057), (353, 17108), (363, 17156), (366, 17174), (376, 17207), (378, 17219), (379, 17222), (380, 17228), (383, 17249), (384, 17252), (401, 17339), (425, 17438), (432, 17480), (435, 17489), (438, 17498), (450, 17546), (453, 17555), (468, 17621), (475, 17660), (538, 17846), (546, 17861), (570, 17894), (582, 17945), (590, 17966), (595, 17981), (597, 17990), (602, 18005), (644, 18074), (712, 18227), (774, 18377), (788, 18422), (792, 18434), (803, 18470), (881, 18650), (887, 18659), (928, 18770), (935, 18800), (949, 18884),

Gene: PowerRanger_24 Start: 17021, Stop: 19855, Start Num: 167

Candidate Starts for PowerRanger_24:

(Start: 167 @17021 has 215 MA's), (192, 17093), (300, 17336), (305, 17351), (319, 17396), (346, 17516), (350, 17534), (358, 17582), (366, 17627), (378, 17672), (379, 17675), (387, 17723), (429, 17906), (436, 17933), (458, 18017), (473, 18074), (480, 18092), (493, 18137), (504, 18173), (514, 18233), (534, 18281), (560, 18344), (561, 18347), (584, 18440), (592, 18464), (604, 18500), (610, 18527), (614, 18539), (620, 18557), (626, 18572), (650, 18635), (697, 18764), (715, 18809), (725, 18842), (729, 18854), (774, 18983), (802, 19079), (827, 19166), (828, 19169), (836, 19187), (901, 19391), (937, 19568), (958, 19679), (975, 19766), (982, 19805), (986, 19835),

Gene: Priamo_29 Start: 16751, Stop: 18982, Start Num: 128

Candidate Starts for Priamo_29:

(69, 16595), (107, 16706), (Start: 128 @16751 has 47 MA's), (175, 16862), (176, 16868), (233, 17018), (316, 17177), (325, 17204), (355, 17324), (356, 17327), (362, 17360), (382, 17450), (395, 17519), (461, 17720), (473, 17765), (638, 17969), (670, 18023), (758, 18146), (808, 18245), (810, 18254), (814, 18275), (827, 18320), (832, 18332), (899, 18539), (907, 18557), (926, 18659), (928, 18668), (935, 18698),

Gene: Prinashel1_23 Start: 15212, Stop: 18550, Start Num: 1

Candidate Starts for Prinashel1_23:

(Start: 1 @15212 has 39 MA's), (32, 15650), (Start: 129 @15962 has 2 MA's), (152, 16040), (Start: 161 @16070 has 8 MA's), (184, 16127), (221, 16211), (236, 16274), (240, 16280), (310, 16400), (336, 16490), (337, 16493), (356, 16568), (365, 16613), (369, 16631), (380, 16676), (383, 16697), (484, 17027), (507, 17075), (554, 17153), (595, 17279), (598, 17291), (608, 17315), (634, 17378), (722, 17570), (731, 17600), (742, 17624), (745, 17636), (768, 17699), (808, 17822), (812, 17843), (819, 17864), (843, 17942), (852, 17963), (864, 18005), (872, 18026), (902, 18113), (911, 18143), (925, 18206), (928, 18224), (943, 18305), (946, 18317), (948, 18329), (950, 18338), (961, 18392), (979, 18476), (983, 18515),

Gene: Priya_27 Start: 17621, Stop: 20530, Start Num: 51

Candidate Starts for Priya_27:

(Start: 51 @17621 has 33 MA's), (54, 17633), (70, 17693), (153, 17915), (182, 17978), (194, 18020), (218, 18074), (220, 18077), (233, 18116), (301, 18287), (305, 18293), (310, 18308), (336, 18398),

(337, 18401), (341, 18413), (352, 18455), (362, 18509), (366, 18530), (380, 18584), (383, 18605), (384, 18608), (387, 18626), (399, 18689), (419, 18755), (425, 18794), (429, 18821), (432, 18836), (440, 18866), (447, 18890), (450, 18902), (453, 18911), (468, 18977), (475, 19016), (493, 19082), (501, 19109), (508, 19136), (569, 19247), (590, 19322), (597, 19346), (605, 19367), (613, 19388), (623, 19409), (624, 19412), (644, 19430), (648, 19433), (659, 19460), (684, 19520), (698, 19550), (712, 19583), (727, 19613), (736, 19625), (774, 19733), (778, 19748), (788, 19778), (805, 19829), (827, 19916), (830, 19925), (846, 19976), (877, 20039), (882, 20060), (893, 20096), (908, 20132), (909, 20138), (927, 20216), (934, 20243), (958, 20372), (962, 20402), (968, 20429), (981, 20468), (987, 20510),

Gene: ProMouse_23 Start: 16852, Stop: 19323, Start Num: 167

Candidate Starts for ProMouse_23:

(Start: 167 @16852 has 215 MA's), (181, 16891), (211, 16954), (Start: 223 @16984 has 23 MA's), (229, 17005), (233, 17026), (273, 17056), (277, 17068), (280, 17080), (303, 17146), (356, 17344), (362, 17377), (378, 17443), (440, 17698), (453, 17719), (460, 17746), (549, 17905), (575, 17941), (610, 18034), (617, 18055), (623, 18070), (630, 18091), (632, 18094), (659, 18163), (672, 18199), (687, 18232), (703, 18268), (718, 18298), (732, 18334), (757, 18400), (765, 18421), (777, 18463), (808, 18562), (848, 18703), (857, 18724), (901, 18859), (937, 19036), (958, 19147), (975, 19234), (982, 19273), (984, 19288),

Gene: Prudy_28 Start: 18436, Stop: 20943, Start Num: 120

Candidate Starts for Prudy_28:

(101, 18385), (Start: 120 @18436 has 91 MA's), (175, 18547), (181, 18565), (195, 18604), (216, 18649), (296, 18778), (305, 18796), (307, 18802), (317, 18832), (341, 18916), (353, 18967), (367, 19036), (369, 19042), (373, 19057), (376, 19066), (378, 19078), (380, 19087), (425, 19297), (429, 19324), (432, 19339), (447, 19393), (453, 19414), (468, 19480), (475, 19519), (479, 19543), (492, 19582), (538, 19705), (546, 19720), (568, 19747), (570, 19753), (582, 19804), (593, 19834), (595, 19840), (605, 19870), (613, 19891), (644, 19933), (654, 19948), (662, 19975), (688, 20032), (694, 20044), (706, 20074), (712, 20086), (743, 20146), (753, 20173), (763, 20203), (774, 20236), (788, 20281), (792, 20293), (879, 20500), (881, 20509), (887, 20518), (928, 20629), (935, 20659), (949, 20743), (981, 20884), (989, 20929),

Gene: Pukovnik_28 Start: 18254, Stop: 20650, Start Num: 209

Candidate Starts for Pukovnik_28:

(Start: 209 @18254 has 7 MA's), (Start: 215 @18272 has 5 MA's), (226, 18305), (229, 18311), (255, 18407), (264, 18449), (315, 18605), (318, 18617), (319, 18620), (326, 18650), (327, 18659), (338, 18695), (341, 18704), (356, 18767), (362, 18800), (373, 18845), (378, 18866), (380, 18875), (399, 18980), (442, 19121), (517, 19289), (521, 19301), (568, 19367), (571, 19373), (587, 19424), (631, 19535), (641, 19553), (705, 19709), (736, 19763), (754, 19799), (772, 19850), (791, 19910), (798, 19943), (801, 19955), (812, 19988), (813, 19991), (863, 20129), (868, 20141), (886, 20183), (898, 20219), (902, 20231), (905, 20237), (948, 20447),

Gene: Pumbaa_25 Start: 15860, Stop: 18460, Start Num: 165

Candidate Starts for Pumbaa_25:

(Start: 165 @15860 has 118 MA's), (Start: 223 @16001 has 23 MA's), (Start: 228 @16019 has 10 MA's), (278, 16226), (291, 16265), (298, 16295), (333, 16412), (341, 16439), (356, 16502), (369, 16565), (380, 16610), (387, 16652), (405, 16736), (506, 17003), (533, 17054), (566, 17099), (595, 17177), (612, 17216), (662, 17330), (686, 17384), (704, 17429), (730, 17489), (736, 17507), (749, 17549), (765, 17597), (785, 17663), (828, 17828), (836, 17846), (882, 17972), (943, 18224), (944, 18227), (946, 18236), (958, 18296), (980, 18392), (986, 18440),

Gene: Puppet_24 Start: 16402, Stop: 18882, Start Num: 167

Candidate Starts for Puppet_24:

(Start: 167 @16402 has 215 MA's), (181, 16441), (211, 16504), (Start: 223 @16534 has 23 MA's), (233, 16576), (327, 16783), (333, 16801), (356, 16891), (369, 16954), (376, 16978), (378, 16990), (387, 17041), (537, 17425), (592, 17527), (606, 17566), (623, 17617), (672, 17746), (718, 17845), (757, 17947), (765, 17968), (770, 17980), (777, 18010), (808, 18109), (823, 18172), (892, 18391), (903, 18424), (958, 18706), (970, 18772), (975, 18793), (982, 18832), (984, 18847),

Gene: Puppy_26 Start: 15114, Stop: 18149, Start Num: 33

Candidate Starts for Puppy_26:

(Start: 33 @15114 has 33 MA's), (73, 15288), (81, 15300), (92, 15333), (174, 15543), (218, 15663), (220, 15666), (299, 15870), (309, 15891), (320, 15921), (321, 15924), (337, 15987), (341, 15999), (349, 16032), (353, 16050), (367, 16119), (369, 16125), (373, 16140), (376, 16149), (378, 16161), (380, 16170), (397, 16263), (425, 16380), (426, 16383), (429, 16407), (430, 16410), (432, 16422), (447, 16476), (453, 16497), (458, 16518), (468, 16563), (472, 16590), (475, 16602), (520, 16743), (538, 16788), (546, 16803), (581, 16878), (582, 16887), (593, 16917), (597, 16932), (598, 16935), (605, 16953), (613, 16974), (614, 16977), (644, 17016), (648, 17019), (682, 17103), (712, 17169), (723, 17190), (743, 17229), (759, 17268), (765, 17289), (774, 17319), (775, 17322), (777, 17331), (784, 17355), (808, 17424), (812, 17445), (828, 17514), (836, 17532), (852, 17580), (855, 17592), (877, 17634), (880, 17646), (893, 17694), (936, 17865), (940, 17895), (946, 17925), (950, 17946), (980, 18081), (986, 18129),

Gene: PurpleHaze_27 Start: 16056, Stop: 19082, Start Num: 35

Candidate Starts for PurpleHaze_27:

(29, 16002), (Start: 35 @16056 has 84 MA's), (57, 16170), (79, 16236), (81, 16239), (85, 16248), (97, 16284), (113, 16335), (141, 16407), (174, 16479), (218, 16599), (220, 16602), (243, 16671), (260, 16716), (299, 16809), (305, 16818), (321, 16863), (330, 16902), (337, 16926), (341, 16938), (349, 16971), (353, 16989), (357, 17010), (367, 17058), (369, 17064), (373, 17079), (376, 17088), (378, 17100), (380, 17109), (397, 17202), (421, 17289), (425, 17319), (426, 17322), (430, 17349), (432, 17361), (447, 17415), (453, 17436), (461, 17466), (468, 17502), (498, 17628), (520, 17682), (538, 17727), (570, 17775), (581, 17817), (582, 17826), (593, 17856), (618, 17928), (623, 17934), (644, 17955), (648, 17958), (654, 17970), (702, 18087), (706, 18096), (743, 18168), (744, 18171), (759, 18207), (774, 18258), (775, 18261), (777, 18270), (828, 18453), (852, 18519), (855, 18531), (877, 18573), (894, 18636), (914, 18693), (927, 18762), (936, 18798), (950, 18879), (980, 19014), (981, 19026),

Gene: QTRLifeCrisis_24 Start: 16800, Stop: 19460, Start Num: 167

Candidate Starts for QTRLifeCrisis_24:

(Start: 167 @16800 has 215 MA's), (181, 16839), (211, 16902), (213, 16908), (Start: 223 @16932 has 23 MA's), (233, 16974), (356, 17283), (369, 17346), (380, 17391), (385, 17415), (400, 17490), (403, 17502), (456, 17676), (504, 17823), (610, 18153), (629, 18204), (642, 18231), (719, 18435), (762, 18549), (765, 18558), (772, 18579), (777, 18600), (808, 18699), (819, 18741), (820, 18744), (860, 18873), (888, 18957), (904, 19002), (958, 19284), (975, 19371), (982, 19410), (984, 19425),

Gene: Qobbit_27 Start: 17620, Stop: 20529, Start Num: 51

Candidate Starts for Qobbit_27:

(Start: 51 @17620 has 33 MA's), (54, 17632), (70, 17692), (127, 17851), (153, 17914), (182, 17977), (194, 18019), (220, 18076), (233, 18115), (301, 18286), (305, 18292), (310, 18307), (336, 18397), (337, 18400), (341, 18412), (352, 18454), (362, 18508), (380, 18583), (383, 18604), (384, 18607), (387, 18625), (399, 18688), (419, 18754), (425, 18793), (429, 18820), (432, 18835), (440, 18865), (447, 18889), (450, 18901), (453, 18910), (468, 18976), (475, 19015), (493, 19081), (501, 19108), (508, 19135), (569, 19246), (590, 19321), (605, 19366), (613, 19387), (623, 19408), (624, 19411), (644, 19429), (648, 19432), (659, 19459), (667, 19486), (694, 19540), (774, 19732), (778, 19747), (788, 19777), (805, 19828), (827, 19915), (830, 19924), (846, 19975), (877, 20038), (882, 20059), (893, 20095), (908, 20131), (909, 20137), (927, 20215), (934, 20242), (944, 20302), (958, 20371),

(962, 20401), (968, 20428), (981, 20467), (987, 20509),

Gene: QueenB2_26 Start: 16665, Stop: 19202, Start Num: 120

Candidate Starts for QueenB2_26:

(Start: 120 @16665 has 91 MA's), (200, 16842), (203, 16845), (205, 16848), (289, 17010), (292, 17016), (296, 17037), (299, 17046), (309, 17067), (321, 17100), (328, 17133), (353, 17226), (363, 17274), (366, 17292), (376, 17325), (378, 17337), (379, 17340), (380, 17346), (383, 17367), (384, 17370), (425, 17556), (432, 17598), (435, 17607), (450, 17664), (453, 17673), (468, 17739), (475, 17778), (501, 17871), (505, 17889), (538, 17964), (582, 18063), (587, 18078), (590, 18084), (593, 18093), (597, 18108), (605, 18129), (613, 18150), (624, 18174), (648, 18195), (651, 18201), (662, 18234), (666, 18246), (670, 18255), (712, 18345), (743, 18405), (753, 18432), (774, 18495), (788, 18540), (827, 18678), (881, 18768), (887, 18777), (928, 18888), (935, 18918), (949, 19002),

Gene: QueenBeesly_26 Start: 16547, Stop: 19084, Start Num: 120

Candidate Starts for QueenBeesly_26:

(Start: 120 @16547 has 91 MA's), (200, 16724), (203, 16727), (205, 16730), (216, 16760), (292, 16898), (296, 16919), (299, 16928), (309, 16949), (321, 16982), (336, 17042), (341, 17057), (353, 17108), (363, 17156), (366, 17174), (376, 17207), (378, 17219), (379, 17222), (380, 17228), (383, 17249), (384, 17252), (401, 17339), (425, 17438), (432, 17480), (435, 17489), (438, 17498), (450, 17546), (453, 17555), (468, 17621), (475, 17660), (538, 17846), (546, 17861), (570, 17894), (582, 17945), (590, 17966), (595, 17981), (597, 17990), (602, 18005), (644, 18074), (712, 18227), (723, 18248), (774, 18377), (788, 18422), (792, 18434), (803, 18470), (881, 18650), (887, 18659), (928, 18770), (935, 18800), (949, 18884),

Gene: QuinnKiro_25 Start: 16043, Stop: 19081, Start Num: 33

Candidate Starts for QuinnKiro_25:

(Start: 33 @16043 has 33 MA's), (73, 16217), (81, 16229), (92, 16262), (174, 16469), (181, 16490), (218, 16589), (220, 16592), (299, 16802), (305, 16811), (309, 16823), (321, 16856), (337, 16919), (341, 16931), (349, 16964), (353, 16982), (357, 17003), (367, 17051), (369, 17057), (373, 17072), (376, 17081), (378, 17093), (380, 17102), (397, 17195), (425, 17312), (426, 17315), (430, 17342), (432, 17354), (447, 17408), (453, 17429), (468, 17495), (475, 17534), (520, 17675), (538, 17720), (581, 17810), (582, 17819), (593, 17849), (613, 17906), (618, 17921), (644, 17948), (648, 17951), (657, 17969), (702, 18080), (743, 18161), (763, 18218), (776, 18260), (808, 18356), (812, 18377), (817, 18401), (828, 18446), (836, 18464), (852, 18512), (855, 18524), (877, 18566), (880, 18578), (893, 18626), (936, 18797), (946, 18857), (948, 18869), (955, 18896), (958, 18917), (980, 19013), (986, 19061),

Gene: Quokka_24 Start: 15528, Stop: 18041, Start Num: 120

Candidate Starts for Quokka_24:

(Start: 120 @15528 has 91 MA's), (175, 15639), (200, 15705), (203, 15708), (205, 15711), (296, 15897), (299, 15906), (305, 15915), (341, 16035), (353, 16086), (364, 16143), (367, 16155), (369, 16161), (373, 16176), (378, 16197), (380, 16206), (388, 16254), (425, 16416), (430, 16446), (432, 16458), (443, 16497), (447, 16512), (453, 16533), (466, 16590), (468, 16599), (472, 16626), (498, 16725), (538, 16824), (546, 16839), (582, 16923), (590, 16944), (605, 16989), (644, 17052), (648, 17055), (666, 17106), (673, 17121), (743, 17265), (753, 17292), (774, 17355), (778, 17370), (788, 17400), (817, 17496), (842, 17562), (881, 17625), (944, 17820), (945, 17823), (949, 17844),

Gene: RER2_14 Start: 8996, Stop: 12343, Start Num: 15

Candidate Starts for RER2_14:

(Start: 15 @8996 has 35 MA's), (17, 9014), (31, 9137), (37, 9158), (42, 9179), (47, 9209), (94, 9323), (107, 9371), (126, 9419), (127, 9428), (Start: 159 @9503 has 1 MA's), (173, 9524), (180, 9545), (183, 9551), (197, 9599), (232, 9671), (245, 9710), (251, 9719), (276, 9773), (294, 9827), (296, 9833), (312, 9872), (323, 9905), (333, 9944), (348, 10001), (373, 10112), (378, 10133), (380, 10142), (387, 10184),

(397, 10235), (399, 10247), (420, 10319), (421, 10322), (432, 10394), (435, 10403), (441, 10427), (448, 10451), (450, 10460), (452, 10466), (453, 10469), (456, 10478), (458, 10490), (467, 10532), (472, 10562), (477, 10586), (481, 10607), (489, 10631), (504, 10676), (522, 10727), (528, 10739), (531, 10742), (538, 10760), (546, 10775), (577, 10826), (590, 10880), (652, 11003), (661, 11030), (670, 11054), (684, 11081), (700, 11117), (713, 11147), (750, 11231), (776, 11312), (790, 11357), (792, 11369), (793, 11378), (795, 11387), (798, 11393), (799, 11399), (808, 11420), (837, 11534), (842, 11555), (865, 11600), (884, 11654), (897, 11699), (915, 11771), (921, 11795), (929, 11840), (933, 11858), (945, 11933), (950, 11966), (959, 12008), (973, 12086), (978, 12101), (981, 12125), (992, 12281), (993, 12293), (994, 12299),

Gene: RGL3_14 Start: 8969, Stop: 12505, Start Num: 15

Candidate Starts for RGL3_14:

(Start: 15 @8969 has 35 MA's), (17, 8987), (31, 9110), (37, 9131), (42, 9152), (45, 9170), (47, 9182), (52, 9221), (56, 9242), (65, 9272), (73, 9305), (75, 9311), (77, 9314), (98, 9374), (107, 9419), (112, 9440), (130, 9503), (141, 9533), (164, 9611), (197, 9707), (210, 9728), (245, 9833), (251, 9842), (276, 9896), (299, 9965), (306, 9977), (348, 10124), (373, 10235), (376, 10244), (380, 10265), (381, 10277), (387, 10307), (389, 10316), (394, 10346), (399, 10370), (420, 10442), (421, 10445), (426, 10478), (432, 10517), (435, 10526), (437, 10532), (445, 10559), (453, 10592), (456, 10601), (458, 10613), (467, 10655), (468, 10658), (472, 10685), (477, 10709), (481, 10730), (489, 10754), (493, 10763), (504, 10799), (522, 10883), (550, 10937), (590, 11036), (623, 11123), (640, 11135), (652, 11159), (661, 11186), (694, 11258), (713, 11303), (727, 11333), (738, 11351), (747, 11375), (750, 11387), (755, 11399), (765, 11429), (781, 11489), (793, 11534), (798, 11549), (800, 11558), (804, 11567), (808, 11576), (816, 11612), (818, 11624), (829, 11669), (837, 11690), (864, 11753), (875, 11783), (884, 11810), (896, 11852), (915, 11927), (921, 11951), (925, 11972), (933, 12014), (938, 12038), (945, 12089), (979, 12260), (981, 12281), (985, 12311), (994, 12461),

Gene: Rachaly_29 Start: 18265, Stop: 20793, Start Num: 120

Candidate Starts for Rachaly_29:

(Start: 120 @18265 has 91 MA's), (175, 18376), (178, 18388), (203, 18445), (205, 18448), (296, 18637), (299, 18646), (321, 18700), (352, 18817), (353, 18826), (357, 18847), (362, 18871), (378, 18937), (380, 18946), (383, 18967), (384, 18970), (425, 19156), (432, 19198), (453, 19273), (461, 19303), (468, 19339), (475, 19378), (538, 19564), (582, 19663), (590, 19684), (591, 19687), (597, 19708), (605, 19729), (617, 19762), (618, 19765), (644, 19792), (662, 19834), (673, 19861), (706, 19933), (712, 19945), (750, 20029), (751, 20032), (774, 20095), (788, 20140), (792, 20152), (817, 20236), (835, 20290), (887, 20374), (908, 20398), (935, 20515), (949, 20593),

Gene: Rahalelujah_25 Start: 15668, Stop: 18586, Start Num: 51

Candidate Starts for Rahalelujah_25:

(Start: 51 @15668 has 33 MA's), (54, 15680), (104, 15839), (119, 15881), (127, 15902), (182, 16028), (194, 16070), (218, 16124), (220, 16127), (265, 16253), (296, 16328), (299, 16337), (301, 16340), (307, 16352), (351, 16505), (353, 16517), (356, 16529), (357, 16538), (362, 16562), (366, 16583), (367, 16586), (373, 16607), (378, 16628), (380, 16637), (381, 16649), (390, 16697), (399, 16742), (425, 16847), (439, 16910), (446, 16940), (447, 16943), (453, 16964), (456, 16973), (458, 16985), (463, 17009), (468, 17030), (475, 17069), (538, 17255), (545, 17267), (569, 17300), (590, 17375), (593, 17384), (605, 17420), (613, 17441), (623, 17462), (624, 17465), (640, 17474), (644, 17483), (648, 17486), (659, 17513), (667, 17540), (696, 17600), (736, 17678), (774, 17786), (788, 17831), (805, 17882), (825, 17963), (827, 17969), (830, 17978), (846, 18029), (877, 18092), (882, 18113), (893, 18152), (909, 18194), (927, 18272), (934, 18299), (944, 18359), (949, 18383), (962, 18458), (981, 18524), (987, 18566),

Gene: Raid_24 Start: 16078, Stop: 18909, Start Num: 169

Candidate Starts for Raid_24:

(Start: 169 @16078 has 9 MA's), (174, 16093), (300, 16390), (305, 16405), (319, 16450), (346, 16570), (350, 16588), (358, 16636), (366, 16681), (378, 16726), (379, 16729), (387, 16777), (429, 16960), (436, 16987), (458, 17071), (473, 17128), (480, 17146), (493, 17191), (504, 17227), (513, 17269), (514, 17287), (534, 17335), (560, 17398), (561, 17401), (592, 17518), (604, 17554), (610, 17581), (614, 17593), (620, 17611), (626, 17626), (650, 17689), (697, 17818), (715, 17863), (725, 17896), (729, 17908), (774, 18037), (802, 18133), (827, 18220), (828, 18223), (836, 18241), (857, 18310), (901, 18445), (937, 18622), (958, 18733), (975, 18820), (982, 18859), (984, 18874),

Gene: Rajelicia_24 Start: 16599, Stop: 18599, Start Num: 167

Candidate Starts for Rajelicia_24:

(Start: 167 @16599 has 215 MA's), (181, 16638), (211, 16701), (Start: 223 @16731 has 23 MA's), (229, 16752), (277, 16812), (307, 16908), (319, 16947), (327, 16977), (331, 16989), (356, 17085), (362, 17118), (419, 17352), (500, 17577), (575, 17640), (627, 17742), (630, 17754), (665, 17832), (685, 17874), (713, 17928), (718, 17940), (726, 17955), (731, 17973), (736, 17985), (770, 18063), (777, 18093), (790, 18138), (808, 18189), (870, 18399), (918, 18549),

Gene: Rasputin_21 Start: 12092, Stop: 15439, Start Num: 15

Candidate Starts for Rasputin_21:

(Start: 15 @12092 has 35 MA's), (17, 12110), (31, 12233), (37, 12254), (42, 12275), (45, 12293), (47, 12305), (63, 12344), (94, 12419), (126, 12515), (127, 12524), (Start: 159 @12599 has 1 MA's), (173, 12620), (180, 12641), (183, 12647), (197, 12695), (232, 12767), (245, 12806), (251, 12815), (276, 12869), (296, 12929), (312, 12968), (323, 13001), (333, 13040), (348, 13097), (373, 13208), (378, 13229), (380, 13238), (387, 13280), (397, 13331), (399, 13343), (420, 13415), (421, 13418), (432, 13490), (435, 13499), (448, 13547), (453, 13565), (456, 13574), (458, 13586), (467, 13628), (472, 13658), (481, 13703), (489, 13727), (504, 13772), (522, 13823), (528, 13835), (531, 13838), (538, 13856), (546, 13871), (577, 13922), (590, 13976), (603, 14018), (627, 14072), (640, 14075), (659, 14117), (700, 14213), (713, 14243), (750, 14327), (779, 14417), (790, 14453), (792, 14465), (793, 14474), (795, 14483), (798, 14489), (804, 14507), (808, 14516), (837, 14630), (842, 14651), (852, 14672), (865, 14696), (884, 14750), (897, 14795), (915, 14867), (921, 14891), (929, 14936), (933, 14954), (945, 15029), (950, 15062), (959, 15104), (978, 15197), (981, 15221), (992, 15377), (994, 15395),

Gene: Ravana_28 Start: 15884, Stop: 18073, Start Num: 188

Candidate Starts for Ravana_28:

(Start: 129 @15707 has 2 MA's), (Start: 134 @15716 has 4 MA's), (Start: 188 @15884 has 18 MA's), (310, 16127), (312, 16133), (332, 16202), (347, 16259), (380, 16403), (387, 16445), (396, 16493), (397, 16496), (428, 16607), (431, 16625), (473, 16730), (495, 16778), (563, 16883), (585, 16943), (611, 16997), (633, 17033), (646, 17057), (648, 17066), (671, 17129), (685, 17150), (692, 17165), (705, 17189), (710, 17201), (741, 17255), (746, 17276), (761, 17306), (833, 17477), (839, 17498), (872, 17582), (950, 17885), (980, 18008), (981, 18020),

Gene: ReMo_28 Start: 15923, Stop: 18109, Start Num: 188

Candidate Starts for ReMo_28:

(Start: 129 @15746 has 2 MA's), (Start: 134 @15755 has 4 MA's), (Start: 188 @15923 has 18 MA's), (310, 16163), (312, 16169), (332, 16238), (347, 16295), (380, 16439), (387, 16481), (396, 16529), (397, 16532), (428, 16643), (431, 16661), (473, 16766), (495, 16814), (563, 16919), (585, 16979), (611, 17033), (633, 17069), (646, 17093), (648, 17102), (671, 17165), (685, 17186), (692, 17201), (705, 17225), (710, 17237), (741, 17291), (746, 17312), (761, 17342), (833, 17513), (839, 17534), (872, 17618), (950, 17921), (980, 18044), (981, 18056),

Gene: Reba_28 Start: 15722, Stop: 18748, Start Num: 35

Candidate Starts for Reba_28:

(29, 15668), (Start: 35 @15722 has 84 MA's), (57, 15836), (79, 15902), (81, 15905), (85, 15914), (97, 15950), (113, 16001), (141, 16073), (174, 16145), (218, 16265), (220, 16268), (243, 16337), (260, 16382), (299, 16475), (305, 16484), (321, 16529), (330, 16568), (337, 16592), (341, 16604), (349, 16637), (353, 16655), (357, 16676), (367, 16724), (369, 16730), (373, 16745), (376, 16754), (378, 16766), (380, 16775), (397, 16868), (421, 16955), (425, 16985), (426, 16988), (430, 17015), (432, 17027), (447, 17081), (453, 17102), (461, 17132), (468, 17168), (498, 17294), (520, 17348), (538, 17393), (570, 17441), (581, 17483), (582, 17492), (593, 17522), (618, 17594), (623, 17600), (644, 17621), (648, 17624), (654, 17636), (702, 17753), (706, 17762), (743, 17834), (744, 17837), (759, 17873), (774, 17924), (775, 17927), (777, 17936), (828, 18119), (852, 18185), (855, 18197), (877, 18239), (894, 18302), (914, 18359), (927, 18428), (936, 18464), (950, 18545), (980, 18680), (981, 18692),

Gene: Rebeuca_26 Start: 15880, Stop: 18621, Start Num: 161

Candidate Starts for Rebeuca_26:

(Start: 161 @15880 has 8 MA's), (Start: 228 @16057 has 10 MA's), (232, 16078), (248, 16135), (257, 16183), (263, 16204), (264, 16210), (267, 16234), (272, 16249), (282, 16279), (306, 16354), (309, 16363), (322, 16414), (323, 16417), (340, 16480), (343, 16495), (348, 16516), (351, 16525), (370, 16630), (378, 16672), (462, 17026), (547, 17194), (594, 17314), (610, 17359), (611, 17362), (612, 17365), (619, 17386), (622, 17389), (643, 17434), (686, 17542), (695, 17563), (699, 17575), (722, 17623), (732, 17656), (753, 17719), (777, 17797), (785, 17821), (808, 17896), (822, 17962), (828, 17986), (836, 18004), (857, 18070), (868, 18100), (878, 18124), (882, 18136), (888, 18151), (895, 18172), (899, 18184), (946, 18397), (954, 18433), (957, 18454), (958, 18457), (980, 18553), (986, 18601),

Gene: RedRock_29 Start: 18558, Stop: 21056, Start Num: 120

Candidate Starts for RedRock_29:

(Start: 120 @18558 has 91 MA's), (181, 18687), (195, 18726), (216, 18771), (292, 18873), (296, 18894), (305, 18912), (341, 19032), (353, 19083), (367, 19152), (369, 19158), (373, 19173), (376, 19182), (378, 19194), (380, 19203), (425, 19413), (429, 19440), (432, 19455), (447, 19509), (453, 19530), (468, 19596), (475, 19635), (492, 19698), (538, 19821), (546, 19836), (587, 19935), (593, 19950), (595, 19956), (597, 19965), (605, 19986), (613, 20007), (618, 20022), (624, 20031), (648, 20052), (651, 20058), (662, 20091), (673, 20118), (688, 20148), (694, 20160), (706, 20190), (712, 20202), (753, 20289), (765, 20322), (774, 20352), (782, 20385), (788, 20397), (879, 20616), (881, 20625), (887, 20634), (928, 20745), (935, 20775), (949, 20856), (981, 20997),

Gene: Refuge_29 Start: 18955, Stop: 22065, Start Num: 26

Candidate Starts for Refuge_29:

(6, 18709), (20, 18925), (Start: 26 @18955 has 5 MA's), (Start: 51 @19132 has 33 MA's), (54, 19144), (63, 19180), (153, 19411), (182, 19474), (194, 19516), (218, 19570), (220, 19573), (265, 19699), (296, 19774), (299, 19783), (301, 19786), (307, 19798), (321, 19837), (353, 19963), (362, 20008), (363, 20011), (366, 20029), (367, 20032), (373, 20053), (376, 20062), (380, 20083), (381, 20095), (390, 20143), (394, 20164), (396, 20173), (399, 20188), (437, 20350), (448, 20392), (453, 20410), (456, 20419), (458, 20431), (468, 20476), (474, 20509), (475, 20515), (492, 20578), (538, 20701), (586, 20812), (590, 20821), (591, 20824), (605, 20866), (611, 20881), (624, 20911), (644, 20929), (651, 20938), (654, 20944), (670, 20992), (673, 20998), (706, 21070), (743, 21142), (744, 21145), (765, 21202), (774, 21232), (777, 21244), (784, 21268), (788, 21277), (822, 21409), (828, 21433), (838, 21469), (842, 21478), (864, 21520), (877, 21553), (900, 21634), (904, 21643), (936, 21790), (943, 21838), (944, 21841), (949, 21865), (980, 21994), (981, 22006),

Gene: Relief_25 Start: 15883, Stop: 18483, Start Num: 165

Candidate Starts for Relief_25:

(Start: 165 @15883 has 118 MA's), (Start: 223 @16024 has 23 MA's), (Start: 228 @16042 has 10 MA's), (278, 16249), (291, 16288), (298, 16318), (333, 16435), (341, 16462), (356, 16525), (369,

16588), (380, 16633), (387, 16675), (405, 16759), (506, 17026), (533, 17077), (566, 17122), (595, 17200), (612, 17239), (686, 17407), (695, 17428), (704, 17452), (731, 17518), (749, 17572), (765, 17620), (785, 17686), (828, 17851), (836, 17869), (882, 17995), (943, 18247), (944, 18250), (946, 18259), (958, 18319), (980, 18415), (986, 18463),

Gene: Remus_28 Start: 15884, Stop: 18073, Start Num: 188

Candidate Starts for Remus_28:

(Start: 129 @15707 has 2 MA's), (Start: 134 @15716 has 4 MA's), (Start: 188 @15884 has 18 MA's), (310, 16127), (312, 16133), (332, 16202), (347, 16259), (380, 16403), (387, 16445), (396, 16493), (397, 16496), (428, 16607), (431, 16625), (473, 16730), (495, 16778), (563, 16883), (585, 16943), (611, 16997), (633, 17033), (646, 17057), (648, 17066), (671, 17129), (685, 17150), (692, 17165), (705, 17189), (710, 17201), (741, 17255), (746, 17276), (761, 17306), (833, 17477), (839, 17498), (872, 17582), (950, 17885), (980, 18008), (981, 18020),

Gene: ResDef_26 Start: 16043, Stop: 19081, Start Num: 33

Candidate Starts for ResDef_26:

(Start: 33 @16043 has 33 MA's), (73, 16217), (81, 16229), (92, 16262), (174, 16469), (181, 16490), (218, 16589), (220, 16592), (299, 16802), (309, 16823), (321, 16856), (337, 16919), (341, 16931), (349, 16964), (353, 16982), (357, 17003), (367, 17051), (369, 17057), (373, 17072), (376, 17081), (378, 17093), (380, 17102), (397, 17195), (425, 17312), (426, 17315), (430, 17342), (432, 17354), (447, 17408), (453, 17429), (468, 17495), (475, 17534), (520, 17675), (538, 17720), (581, 17810), (582, 17819), (593, 17849), (613, 17906), (618, 17921), (644, 17948), (648, 17951), (657, 17969), (702, 18080), (743, 18161), (763, 18218), (776, 18260), (808, 18356), (812, 18377), (817, 18401), (828, 18446), (836, 18464), (852, 18512), (855, 18524), (877, 18566), (880, 18578), (893, 18626), (936, 18797), (946, 18857), (948, 18869), (955, 18896), (958, 18917), (980, 19013), (986, 19061),

Gene: Retro23_26 Start: 16689, Stop: 19232, Start Num: 120

Candidate Starts for Retro23_26:

(Start: 120 @16689 has 91 MA's), (200, 16866), (203, 16869), (205, 16872), (289, 17040), (292, 17046), (296, 17067), (299, 17076), (309, 17097), (321, 17130), (328, 17163), (353, 17256), (363, 17304), (366, 17322), (373, 17346), (376, 17355), (378, 17367), (379, 17370), (380, 17376), (383, 17397), (384, 17400), (401, 17487), (425, 17586), (432, 17628), (438, 17646), (443, 17667), (450, 17694), (453, 17703), (468, 17769), (475, 17808), (538, 17994), (546, 18009), (570, 18042), (582, 18093), (590, 18114), (595, 18129), (597, 18138), (602, 18153), (644, 18222), (712, 18375), (723, 18396), (774, 18525), (778, 18540), (788, 18570), (792, 18582), (803, 18618), (881, 18798), (887, 18807), (928, 18918), (935, 18948), (949, 19032),

Gene: RexFury_21 Start: 12155, Stop: 15502, Start Num: 15

Candidate Starts for RexFury_21:

(Start: 15 @12155 has 35 MA's), (17, 12173), (31, 12296), (37, 12317), (42, 12338), (47, 12368), (94, 12482), (126, 12578), (127, 12587), (Start: 159 @12662 has 1 MA's), (173, 12683), (180, 12704), (183, 12710), (197, 12758), (232, 12830), (245, 12869), (251, 12878), (276, 12932), (294, 12986), (296, 12992), (312, 13031), (323, 13064), (333, 13103), (348, 13160), (373, 13271), (378, 13292), (380, 13301), (387, 13343), (397, 13394), (399, 13406), (420, 13478), (421, 13481), (432, 13553), (435, 13562), (441, 13586), (448, 13610), (450, 13619), (452, 13625), (453, 13628), (456, 13637), (458, 13649), (467, 13691), (472, 13721), (477, 13745), (481, 13766), (489, 13790), (504, 13835), (522, 13886), (528, 13898), (531, 13901), (538, 13919), (546, 13934), (577, 13985), (590, 14039), (652, 14162), (661, 14189), (670, 14213), (684, 14240), (700, 14276), (713, 14306), (750, 14390), (776, 14471), (790, 14516), (792, 14528), (793, 14537), (795, 14546), (798, 14552), (799, 14558), (808, 14579), (837, 14693), (842, 14714), (865, 14759), (884, 14813), (897, 14858), (915, 14930), (921, 14954), (929, 14999), (933, 15017), (945, 15092), (950, 15125), (959, 15167), (973, 15245), (978, 15260), (981, 15284), (992, 15440), (993, 15452), (994, 15458),

Gene: Rhodalya_21 Start: 12124, Stop: 15471, Start Num: 15

Candidate Starts for Rhodalya_21:

(Start: 15 @12124 has 35 MA's), (17, 12142), (31, 12265), (37, 12286), (42, 12307), (47, 12337), (94, 12451), (107, 12499), (126, 12547), (127, 12556), (Start: 159 @12631 has 1 MA's), (173, 12652), (180, 12673), (183, 12679), (197, 12727), (232, 12799), (245, 12838), (251, 12847), (276, 12901), (294, 12955), (296, 12961), (312, 13000), (323, 13033), (333, 13072), (348, 13129), (373, 13240), (378, 13261), (380, 13270), (387, 13312), (397, 13363), (399, 13375), (420, 13447), (421, 13450), (432, 13522), (435, 13531), (441, 13555), (448, 13579), (450, 13588), (452, 13594), (453, 13597), (456, 13606), (458, 13618), (467, 13660), (472, 13690), (477, 13714), (481, 13735), (489, 13759), (504, 13804), (522, 13855), (528, 13867), (531, 13870), (538, 13888), (546, 13903), (577, 13954), (590, 14008), (652, 14131), (661, 14158), (670, 14182), (684, 14209), (700, 14245), (713, 14275), (750, 14359), (776, 14440), (790, 14485), (792, 14497), (793, 14506), (795, 14515), (798, 14521), (799, 14527), (808, 14548), (837, 14662), (842, 14683), (865, 14728), (884, 14782), (897, 14827), (915, 14899), (921, 14923), (929, 14968), (933, 14986), (945, 15061), (950, 15094), (959, 15136), (973, 15214), (978, 15229), (981, 15253), (992, 15409), (993, 15421), (994, 15427),

Gene: RhynO_26 Start: 16026, Stop: 18581, Start Num: 228

Candidate Starts for RhynO_26:

(Start: 161 @15849 has 8 MA's), (Start: 228 @16026 has 10 MA's), (232, 16047), (248, 16104), (269, 16200), (272, 16209), (306, 16314), (314, 16341), (323, 16377), (343, 16455), (344, 16464), (351, 16485), (356, 16512), (370, 16590), (378, 16632), (414, 16797), (455, 16947), (457, 16959), (547, 17154), (594, 17274), (610, 17319), (611, 17322), (612, 17325), (619, 17346), (622, 17349), (643, 17394), (658, 17430), (662, 17448), (670, 17469), (686, 17502), (732, 17616), (753, 17679), (777, 17757), (785, 17781), (808, 17856), (822, 17922), (828, 17946), (836, 17964), (868, 18060), (878, 18084), (882, 18096), (888, 18111), (895, 18132), (899, 18144), (946, 18357), (954, 18393), (957, 18414), (958, 18417), (980, 18513), (986, 18561),

Gene: Rhynn_24 Start: 16407, Stop: 18887, Start Num: 167

Candidate Starts for Rhynn_24:

(Start: 167 @16407 has 215 MA's), (181, 16446), (211, 16509), (Start: 223 @16539 has 23 MA's), (233, 16581), (327, 16788), (333, 16806), (356, 16896), (369, 16959), (376, 16983), (378, 16995), (387, 17046), (537, 17430), (592, 17532), (606, 17571), (614, 17598), (623, 17622), (718, 17850), (757, 17952), (763, 17970), (765, 17973), (777, 18015), (808, 18114), (823, 18177), (892, 18396), (903, 18429), (958, 18711), (970, 18777), (975, 18798), (982, 18837), (984, 18852),

Gene: RidgeCB_24 Start: 16182, Stop: 18662, Start Num: 167

Candidate Starts for RidgeCB_24:

(Start: 167 @16182 has 215 MA's), (181, 16221), (211, 16284), (Start: 223 @16314 has 23 MA's), (233, 16356), (327, 16563), (333, 16581), (356, 16671), (369, 16734), (376, 16758), (378, 16770), (387, 16821), (537, 17205), (592, 17307), (606, 17346), (614, 17373), (623, 17397), (672, 17526), (718, 17625), (757, 17727), (765, 17748), (770, 17760), (777, 17790), (808, 17889), (823, 17952), (892, 18171), (903, 18204), (958, 18486), (965, 18528), (975, 18573), (982, 18612), (984, 18627),

Gene: Rifter_29 Start: 16706, Stop: 18922, Start Num: 128

Candidate Starts for Rifter_29:

(107, 16661), (Start: 128 @16706 has 47 MA's), (175, 16817), (176, 16823), (233, 16973), (312, 17120), (316, 17132), (355, 17279), (356, 17282), (362, 17315), (382, 17405), (395, 17474), (419, 17549), (473, 17717), (670, 17975), (707, 18020), (773, 18128), (808, 18191), (819, 18233), (852, 18332), (857, 18353), (872, 18395), (888, 18446), (899, 18473), (919, 18554), (935, 18644),

Gene: Ringer_24 Start: 16730, Stop: 19561, Start Num: 169

Candidate Starts for Ringer_24:

(Start: 169 @16730 has 9 MA's), (174, 16745), (300, 17042), (305, 17057), (319, 17102), (346, 17222), (350, 17240), (358, 17288), (366, 17333), (378, 17378), (379, 17381), (387, 17429), (429, 17612), (436, 17639), (458, 17723), (473, 17780), (480, 17798), (493, 17843), (504, 17879), (514, 17939), (534, 17987), (560, 18050), (561, 18053), (592, 18170), (604, 18206), (610, 18233), (614, 18245), (620, 18263), (626, 18278), (650, 18341), (697, 18470), (715, 18515), (725, 18548), (729, 18560), (774, 18689), (802, 18785), (827, 18872), (828, 18875), (836, 18893), (901, 19097), (937, 19274), (958, 19385), (975, 19472), (982, 19511), (986, 19541),

Gene: Roary_22 Start: 14513, Stop: 17590, Start Num: 14

Candidate Starts for Roary_22:

(Start: 14 @14513 has 12 MA's), (22, 14597), (48, 14765), (50, 14789), (76, 14837), (113, 14957), (138, 15029), (191, 15179), (192, 15182), (198, 15188), (291, 15374), (310, 15434), (312, 15440), (331, 15506), (339, 15533), (342, 15548), (355, 15599), (356, 15602), (362, 15635), (369, 15668), (408, 15836), (464, 16019), (473, 16043), (495, 16091), (506, 16112), (507, 16115), (572, 16259), (587, 16316), (601, 16346), (616, 16385), (653, 16457), (662, 16487), (712, 16586), (725, 16616), (742, 16661), (808, 16859), (812, 16880), (815, 16892), (839, 16973), (852, 17000), (872, 17063), (880, 17087), (889, 17117), (902, 17150), (912, 17183), (925, 17243), (930, 17270), (949, 17369), (950, 17375), (967, 17465), (976, 17486), (982, 17525), (991, 17573),

Gene: RockieBear_24 Start: 16026, Stop: 18485, Start Num: 223

Candidate Starts for RockieBear_24:

(Start: 165 @15885 has 118 MA's), (Start: 223 @16026 has 23 MA's), (Start: 228 @16044 has 10 MA's), (278, 16251), (291, 16290), (298, 16320), (325, 16404), (333, 16437), (341, 16464), (356, 16527), (369, 16590), (380, 16635), (387, 16677), (405, 16761), (506, 17028), (533, 17079), (566, 17124), (595, 17202), (612, 17241), (686, 17409), (695, 17430), (704, 17454), (731, 17520), (749, 17574), (765, 17622), (785, 17688), (828, 17853), (836, 17871), (882, 17997), (943, 18249), (944, 18252), (946, 18261), (958, 18321), (980, 18417), (986, 18465),

Gene: Rockstar_25 Start: 15416, Stop: 18460, Start Num: 33

Candidate Starts for Rockstar_25:

(Start: 33 @15416 has 33 MA's), (73, 15590), (81, 15602), (174, 15845), (218, 15965), (220, 15968), (302, 16190), (321, 16235), (341, 16310), (349, 16343), (353, 16361), (356, 16373), (371, 16439), (378, 16472), (380, 16481), (387, 16523), (397, 16574), (425, 16691), (432, 16733), (447, 16787), (453, 16808), (466, 16865), (468, 16874), (498, 17000), (501, 17006), (508, 17033), (538, 17099), (546, 17114), (569, 17144), (570, 17147), (582, 17198), (586, 17210), (594, 17231), (597, 17243), (605, 17264), (618, 17300), (644, 17327), (660, 17360), (663, 17372), (682, 17414), (712, 17480), (743, 17540), (759, 17579), (774, 17630), (775, 17633), (777, 17642), (784, 17666), (808, 17735), (812, 17756), (828, 17825), (836, 17843), (852, 17891), (855, 17903), (877, 17945), (880, 17957), (893, 18005), (936, 18176), (946, 18236), (950, 18257), (980, 18392), (981, 18404), (986, 18440),

Gene: Rohr_25 Start: 16604, Stop: 19084, Start Num: 167

Candidate Starts for Rohr_25:

(Start: 167 @16604 has 215 MA's), (181, 16643), (211, 16706), (Start: 223 @16736 has 23 MA's), (233, 16778), (327, 16985), (333, 17003), (356, 17093), (369, 17156), (376, 17180), (378, 17192), (387, 17243), (537, 17627), (592, 17729), (606, 17768), (610, 17783), (614, 17795), (623, 17819), (672, 17948), (718, 18047), (757, 18149), (765, 18170), (777, 18212), (808, 18311), (823, 18374), (852, 18464), (892, 18593), (903, 18626), (958, 18908), (970, 18974), (975, 18995), (982, 19034), (984, 19049),

Gene: Roimos_25 Start: 15464, Stop: 18502, Start Num: 33

Candidate Starts for Roimos_25:

(Start: 33 @15464 has 33 MA's), (73, 15638), (81, 15650), (92, 15683), (174, 15893), (220, 16016), (226, 16037), (299, 16223), (309, 16244), (321, 16277), (337, 16340), (341, 16352), (349, 16385),

(353, 16403), (367, 16472), (369, 16478), (373, 16493), (376, 16502), (378, 16514), (380, 16523), (397, 16616), (425, 16733), (426, 16736), (430, 16763), (432, 16775), (447, 16829), (453, 16850), (458, 16871), (468, 16916), (475, 16955), (520, 17096), (538, 17141), (546, 17156), (581, 17231), (582, 17240), (593, 17270), (597, 17285), (618, 17342), (644, 17369), (648, 17372), (712, 17522), (723, 17543), (743, 17582), (759, 17621), (774, 17672), (775, 17675), (777, 17684), (784, 17708), (808, 17777), (812, 17798), (828, 17867), (836, 17885), (852, 17933), (855, 17945), (877, 17987), (880, 17999), (893, 18047), (936, 18218), (940, 18248), (946, 18278), (950, 18299), (980, 18434), (981, 18446), (986, 18482),

Gene: Roksolana_29 Start: 16734, Stop: 18950, Start Num: 128

Candidate Starts for Roksolana_29:

(107, 16689), (Start: 128 @16734 has 47 MA's), (175, 16845), (233, 17001), (312, 17148), (316, 17160), (355, 17307), (356, 17310), (362, 17343), (382, 17433), (395, 17502), (419, 17577), (473, 17745), (670, 18003), (707, 18048), (773, 18156), (808, 18219), (819, 18261), (852, 18360), (857, 18381), (872, 18423), (888, 18474), (899, 18501), (919, 18582), (935, 18672),

Gene: Romney_25 Start: 15885, Stop: 18485, Start Num: 165

Candidate Starts for Romney_25:

(Start: 165 @15885 has 118 MA's), (Start: 223 @16026 has 23 MA's), (Start: 228 @16044 has 10 MA's), (278, 16251), (291, 16290), (298, 16320), (333, 16437), (341, 16464), (356, 16527), (369, 16590), (380, 16635), (387, 16677), (405, 16761), (506, 17028), (533, 17079), (566, 17124), (595, 17202), (610, 17235), (612, 17241), (658, 17337), (660, 17346), (686, 17409), (695, 17430), (704, 17454), (731, 17520), (749, 17574), (765, 17622), (785, 17688), (828, 17853), (836, 17871), (882, 17997), (943, 18249), (944, 18252), (946, 18261), (958, 18321), (980, 18417), (986, 18465),

Gene: Roosevelt_25 Start: 15885, Stop: 18485, Start Num: 165

Candidate Starts for Roosevelt_25:

(Start: 165 @15885 has 118 MA's), (Start: 223 @16026 has 23 MA's), (Start: 228 @16044 has 10 MA's), (278, 16251), (291, 16290), (298, 16320), (333, 16437), (341, 16464), (356, 16527), (369, 16590), (380, 16635), (387, 16677), (405, 16761), (506, 17028), (533, 17079), (566, 17124), (595, 17202), (610, 17235), (612, 17241), (658, 17337), (660, 17346), (686, 17409), (695, 17430), (705, 17457), (730, 17514), (731, 17520), (749, 17574), (765, 17622), (785, 17688), (828, 17853), (836, 17871), (882, 17997), (943, 18249), (944, 18252), (946, 18261), (958, 18321), (980, 18417), (986, 18465),

Gene: Rosa24_24 Start: 16016, Stop: 18457, Start Num: 228

Candidate Starts for Rosa24_24:

(Start: 165 @15857 has 118 MA's), (Start: 223 @15998 has 23 MA's), (Start: 228 @16016 has 10 MA's), (266, 16172), (278, 16223), (291, 16262), (298, 16292), (333, 16409), (341, 16436), (356, 16499), (369, 16562), (380, 16607), (387, 16649), (405, 16733), (506, 17000), (533, 17051), (566, 17096), (595, 17174), (610, 17207), (612, 17213), (662, 17327), (686, 17381), (704, 17426), (730, 17486), (749, 17546), (785, 17660), (828, 17825), (836, 17843), (882, 17969), (943, 18221), (944, 18224), (946, 18233), (957, 18290), (958, 18293), (965, 18338), (980, 18389), (986, 18437),

Gene: Rosalind_28 Start: 16045, Stop: 18231, Start Num: 188

Candidate Starts for Rosalind_28:

(Start: 129 @15868 has 2 MA's), (Start: 134 @15877 has 4 MA's), (Start: 188 @16045 has 18 MA's), (310, 16285), (312, 16291), (332, 16360), (347, 16417), (380, 16561), (387, 16603), (396, 16651), (397, 16654), (428, 16765), (431, 16783), (473, 16888), (495, 16936), (563, 17041), (585, 17101), (611, 17155), (633, 17191), (646, 17215), (648, 17224), (671, 17287), (685, 17308), (692, 17323), (705, 17347), (710, 17359), (741, 17413), (746, 17434), (761, 17464), (833, 17635), (839, 17656), (872, 17740), (950, 18043), (980, 18166), (981, 18178),

Gene: Rowdy_29 Start: 15937, Stop: 18492, Start Num: 228

Candidate Starts for Rowdy_29:

(Start: 161 @15760 has 8 MA's), (Start: 228 @15937 has 10 MA's), (232, 15958), (248, 16015), (269, 16111), (272, 16120), (306, 16225), (314, 16252), (323, 16288), (343, 16366), (344, 16375), (351, 16396), (356, 16423), (370, 16501), (378, 16543), (414, 16708), (455, 16858), (457, 16870), (547, 17065), (594, 17185), (610, 17230), (611, 17233), (612, 17236), (619, 17257), (622, 17260), (643, 17305), (658, 17341), (662, 17359), (670, 17380), (686, 17413), (732, 17527), (753, 17590), (777, 17668), (785, 17692), (808, 17767), (822, 17833), (828, 17857), (836, 17875), (868, 17971), (878, 17995), (882, 18007), (888, 18022), (895, 18043), (899, 18055), (946, 18268), (954, 18304), (957, 18325), (958, 18328), (980, 18424), (986, 18472),

Gene: Rubeus_25 Start: 16439, Stop: 18922, Start Num: 167

Candidate Starts for Rubeus_25:

(Start: 167 @16439 has 215 MA's), (181, 16478), (211, 16541), (Start: 223 @16571 has 23 MA's), (229, 16592), (233, 16613), (273, 16643), (280, 16667), (303, 16733), (356, 16931), (362, 16964), (378, 17030), (440, 17285), (453, 17306), (460, 17333), (549, 17492), (575, 17528), (610, 17621), (617, 17642), (642, 17699), (687, 17819), (703, 17855), (718, 17885), (732, 17921), (757, 17987), (765, 18008), (777, 18050), (808, 18149), (823, 18212), (852, 18302), (892, 18431), (903, 18464), (958, 18746), (970, 18812), (975, 18833), (982, 18872), (986, 18902),

Gene: Rufus_25 Start: 16775, Stop: 19246, Start Num: 167

Candidate Starts for Rufus_25:

(Start: 167 @16775 has 215 MA's), (181, 16814), (211, 16877), (Start: 223 @16907 has 23 MA's), (229, 16928), (233, 16949), (236, 16961), (273, 16979), (303, 17069), (356, 17267), (362, 17300), (378, 17366), (440, 17621), (453, 17642), (460, 17669), (549, 17828), (575, 17864), (610, 17957), (617, 17978), (642, 18035), (687, 18155), (703, 18191), (718, 18221), (732, 18257), (757, 18323), (765, 18344), (808, 18485), (848, 18626), (857, 18647), (901, 18782), (937, 18959), (958, 19070), (970, 19136), (975, 19157), (982, 19196), (984, 19211),

Gene: Ruin_25 Start: 15881, Stop: 18481, Start Num: 165

Candidate Starts for Ruin_25:

(Start: 165 @15881 has 118 MA's), (Start: 223 @16022 has 23 MA's), (278, 16247), (291, 16286), (298, 16316), (333, 16433), (341, 16460), (356, 16523), (369, 16586), (380, 16631), (387, 16673), (405, 16757), (506, 17024), (533, 17075), (566, 17120), (595, 17198), (612, 17237), (686, 17405), (695, 17426), (704, 17450), (731, 17516), (749, 17570), (765, 17618), (785, 17684), (828, 17849), (836, 17867), (882, 17993), (943, 18245), (944, 18248), (946, 18257), (958, 18317), (980, 18413), (986, 18461),

Gene: Rummer_27 Start: 16063, Stop: 19089, Start Num: 35

Candidate Starts for Rummer_27:

(29, 16009), (Start: 35 @16063 has 84 MA's), (57, 16177), (79, 16243), (81, 16246), (85, 16255), (97, 16291), (113, 16342), (141, 16414), (174, 16486), (218, 16606), (220, 16609), (243, 16678), (260, 16723), (299, 16816), (305, 16825), (311, 16843), (321, 16870), (337, 16933), (341, 16945), (349, 16978), (353, 16996), (366, 17062), (367, 17065), (369, 17071), (373, 17086), (376, 17095), (378, 17107), (380, 17116), (393, 17194), (397, 17209), (425, 17326), (426, 17329), (430, 17356), (432, 17368), (447, 17422), (453, 17443), (468, 17509), (475, 17548), (501, 17641), (520, 17689), (538, 17734), (570, 17782), (581, 17824), (582, 17833), (593, 17863), (594, 17866), (597, 17878), (618, 17935), (623, 17941), (644, 17962), (648, 17965), (706, 18103), (712, 18115), (743, 18175), (763, 18232), (808, 18370), (812, 18391), (817, 18415), (828, 18460), (836, 18478), (852, 18526), (855, 18538), (877, 18580), (894, 18643), (914, 18700), (927, 18769), (936, 18805), (943, 18853), (950, 18886), (980, 19021),

Gene: Ruotula_23 Start: 16616, Stop: 19450, Start Num: 167

Candidate Starts for Ruotula_23:

(Start: 167 @16616 has 215 MA's), (192, 16688), (300, 16931), (305, 16946), (319, 16991), (346, 17111), (350, 17129), (358, 17177), (366, 17222), (378, 17267), (379, 17270), (387, 17318), (429, 17501), (436, 17528), (458, 17612), (473, 17669), (480, 17687), (493, 17732), (504, 17768), (513, 17810), (514, 17828), (534, 17876), (560, 17939), (561, 17942), (592, 18059), (604, 18095), (610, 18122), (614, 18134), (620, 18152), (626, 18167), (650, 18230), (697, 18359), (715, 18404), (725, 18437), (729, 18449), (786, 18623), (802, 18674), (827, 18761), (828, 18764), (836, 18782), (901, 18986), (937, 19163), (958, 19274), (975, 19361), (982, 19400), (984, 19415),

Gene: Rutherferd_26 Start: 17013, Stop: 19493, Start Num: 167

Candidate Starts for Rutherferd_26:

(Start: 167 @17013 has 215 MA's), (181, 17052), (211, 17115), (Start: 223 @17145 has 23 MA's), (233, 17187), (327, 17394), (333, 17412), (356, 17502), (369, 17565), (376, 17589), (378, 17601), (387, 17652), (537, 18036), (592, 18138), (606, 18177), (614, 18204), (623, 18228), (718, 18456), (757, 18558), (765, 18579), (770, 18591), (777, 18621), (807, 18717), (808, 18720), (823, 18783), (892, 19002), (903, 19035), (958, 19317), (975, 19404), (982, 19443), (984, 19458),

Gene: RyeScarlet_28 Start: 17594, Stop: 20503, Start Num: 51

Candidate Starts for RyeScarlet_28:

(Start: 51 @17594 has 33 MA's), (54, 17606), (70, 17666), (127, 17825), (153, 17888), (182, 17951), (194, 17993), (220, 18050), (233, 18089), (301, 18260), (305, 18266), (310, 18281), (336, 18371), (337, 18374), (341, 18386), (352, 18428), (362, 18482), (380, 18557), (383, 18578), (384, 18581), (387, 18599), (399, 18662), (419, 18728), (425, 18767), (429, 18794), (432, 18809), (440, 18839), (447, 18863), (453, 18884), (468, 18950), (475, 18989), (493, 19055), (501, 19082), (508, 19109), (538, 19175), (569, 19220), (590, 19295), (605, 19340), (613, 19361), (623, 19382), (624, 19385), (644, 19403), (648, 19406), (659, 19433), (667, 19460), (694, 19514), (774, 19706), (778, 19721), (788, 19751), (805, 19802), (827, 19889), (830, 19898), (846, 19949), (877, 20012), (882, 20033), (893, 20069), (908, 20105), (909, 20111), (927, 20189), (934, 20216), (944, 20276), (958, 20345), (962, 20375), (968, 20402), (981, 20441), (987, 20483),

Gene: STLscum_25 Start: 16819, Stop: 19653, Start Num: 167

Candidate Starts for STLscum_25:

(Start: 167 @16819 has 215 MA's), (192, 16891), (300, 17134), (305, 17149), (319, 17194), (346, 17314), (350, 17332), (366, 17425), (378, 17470), (379, 17473), (387, 17521), (429, 17704), (436, 17731), (458, 17815), (473, 17872), (480, 17890), (482, 17899), (504, 17971), (508, 17989), (514, 18031), (515, 18034), (534, 18079), (560, 18142), (561, 18145), (592, 18262), (604, 18298), (610, 18325), (614, 18337), (620, 18355), (626, 18370), (650, 18433), (697, 18562), (715, 18607), (725, 18640), (729, 18652), (765, 18751), (786, 18826), (802, 18877), (827, 18964), (828, 18967), (836, 18985), (901, 19189), (937, 19366), (958, 19477), (965, 19519), (975, 19564), (982, 19603), (984, 19618),

Gene: Sabertooth_25 Start: 15882, Stop: 18482, Start Num: 165

Candidate Starts for Sabertooth_25:

(Start: 165 @15882 has 118 MA's), (Start: 223 @16023 has 23 MA's), (Start: 228 @16041 has 10 MA's), (278, 16248), (291, 16287), (298, 16317), (333, 16434), (341, 16461), (356, 16524), (369, 16587), (380, 16632), (387, 16674), (405, 16758), (506, 17025), (533, 17076), (566, 17121), (595, 17199), (612, 17238), (619, 17259), (686, 17406), (695, 17427), (704, 17451), (730, 17511), (731, 17517), (732, 17520), (749, 17571), (765, 17619), (785, 17685), (828, 17850), (836, 17868), (882, 17994), (943, 18246), (944, 18249), (946, 18258), (958, 18318), (980, 18414), (986, 18462),

Gene: Sabia_27 Start: 15972, Stop: 18998, Start Num: 35

Candidate Starts for Sabia_27:

(29, 15918), (Start: 35 @15972 has 84 MA's), (57, 16086), (79, 16152), (81, 16155), (85, 16164), (97, 16200), (113, 16251), (141, 16323), (174, 16395), (218, 16515), (220, 16518), (243, 16587), (260, 16632), (299, 16725), (305, 16734), (311, 16752), (321, 16779), (337, 16842), (341, 16854), (349, 16887), (353, 16905), (366, 16971), (367, 16974), (369, 16980), (373, 16995), (376, 17004), (378, 17016), (380, 17025), (397, 17118), (425, 17235), (426, 17238), (430, 17265), (432, 17277), (447, 17331), (453, 17352), (468, 17418), (472, 17445), (501, 17550), (520, 17598), (538, 17643), (570, 17691), (581, 17733), (582, 17742), (593, 17772), (594, 17775), (597, 17787), (618, 17844), (623, 17850), (644, 17871), (648, 17874), (706, 18012), (712, 18024), (743, 18084), (765, 18144), (774, 18174), (775, 18177), (777, 18186), (808, 18279), (828, 18369), (852, 18435), (855, 18447), (877, 18489), (894, 18552), (914, 18609), (927, 18678), (936, 18714), (950, 18795), (980, 18930),

Gene: Sabinator_27 Start: 15977, Stop: 19003, Start Num: 35

Candidate Starts for Sabinator_27:

(29, 15923), (Start: 35 @15977 has 84 MA's), (57, 16091), (79, 16157), (81, 16160), (85, 16169), (97, 16205), (113, 16256), (141, 16328), (174, 16400), (218, 16520), (220, 16523), (243, 16592), (260, 16637), (299, 16730), (305, 16739), (311, 16757), (321, 16784), (337, 16847), (341, 16859), (349, 16892), (353, 16910), (366, 16976), (367, 16979), (369, 16985), (373, 17000), (376, 17009), (378, 17021), (380, 17030), (393, 17108), (397, 17123), (425, 17240), (426, 17243), (430, 17270), (432, 17282), (447, 17336), (453, 17357), (468, 17423), (475, 17462), (501, 17555), (520, 17603), (538, 17648), (570, 17696), (581, 17738), (582, 17747), (593, 17777), (594, 17780), (597, 17792), (618, 17849), (623, 17855), (644, 17876), (648, 17879), (706, 18017), (712, 18029), (743, 18089), (763, 18146), (808, 18284), (812, 18305), (817, 18329), (828, 18374), (836, 18392), (852, 18440), (855, 18452), (877, 18494), (894, 18557), (914, 18614), (927, 18683), (936, 18719), (950, 18800), (980, 18935),

Gene: Sachima_25 Start: 17590, Stop: 20499, Start Num: 51

Candidate Starts for Sachima_25:

(Start: 51 @17590 has 33 MA's), (54, 17602), (70, 17662), (153, 17884), (182, 17947), (194, 17989), (220, 18046), (233, 18085), (301, 18256), (305, 18262), (310, 18277), (336, 18367), (337, 18370), (341, 18382), (352, 18424), (362, 18478), (380, 18553), (383, 18574), (384, 18577), (387, 18595), (399, 18658), (419, 18724), (425, 18763), (429, 18790), (432, 18805), (440, 18835), (447, 18859), (453, 18880), (468, 18946), (475, 18985), (493, 19051), (501, 19078), (508, 19105), (538, 19171), (569, 19216), (590, 19291), (605, 19336), (613, 19357), (623, 19378), (624, 19381), (644, 19399), (648, 19402), (659, 19429), (667, 19456), (694, 19510), (774, 19702), (778, 19717), (788, 19747), (805, 19798), (827, 19885), (830, 19894), (846, 19945), (877, 20008), (882, 20029), (893, 20065), (908, 20101), (909, 20107), (927, 20185), (934, 20212), (944, 20272), (958, 20341), (962, 20371), (968, 20398), (981, 20437), (987, 20479),

Gene: Sagefire_25 Start: 17215, Stop: 19686, Start Num: 167

Candidate Starts for Sagefire_25:

(Start: 167 @17215 has 215 MA's), (181, 17254), (211, 17317), (Start: 223 @17347 has 23 MA's), (229, 17368), (233, 17389), (236, 17401), (273, 17419), (303, 17509), (356, 17707), (362, 17740), (378, 17806), (440, 18061), (453, 18082), (460, 18109), (549, 18268), (575, 18304), (610, 18397), (617, 18418), (642, 18475), (687, 18595), (703, 18631), (718, 18661), (732, 18697), (757, 18763), (765, 18784), (808, 18925), (848, 19066), (857, 19087), (901, 19222), (937, 19399), (958, 19510), (965, 19552), (975, 19597), (982, 19636), (984, 19651),

Gene: Saintus_22 Start: 14528, Stop: 17605, Start Num: 14

Candidate Starts for Saintus_22:

(Start: 14 @14528 has 12 MA's), (22, 14612), (48, 14780), (50, 14804), (76, 14852), (113, 14972), (138, 15044), (191, 15194), (192, 15197), (198, 15203), (291, 15389), (310, 15449), (312, 15455), (331, 15521), (339, 15548), (342, 15563), (355, 15614), (356, 15617), (369, 15683), (408, 15851), (460, 16010), (464, 16034), (473, 16058), (495, 16106), (506, 16127), (507, 16130), (572, 16274),

(587, 16331), (601, 16361), (616, 16400), (653, 16472), (662, 16502), (712, 16601), (725, 16631), (742, 16676), (808, 16874), (812, 16895), (815, 16907), (839, 16988), (852, 17015), (864, 17057), (872, 17078), (880, 17102), (889, 17132), (902, 17165), (912, 17198), (925, 17258), (930, 17285), (949, 17384), (967, 17480), (976, 17501), (982, 17540), (991, 17588),

Gene: Salz_26 Start: 17154, Stop: 19700, Start Num: 125

Candidate Starts for Salz_26:

(Start: 125 @17154 has 22 MA's), (Start: 131 @17172 has 2 MA's), (Start: 188 @17346 has 18 MA's), (192, 17355), (233, 17430), (291, 17484), (308, 17538), (313, 17553), (314, 17556), (321, 17574), (337, 17637), (341, 17649), (356, 17712), (369, 17775), (373, 17790), (376, 17799), (380, 17820), (384, 17844), (387, 17859), (408, 17946), (410, 17949), (416, 17964), (422, 17985), (424, 17997), (440, 18063), (464, 18135), (473, 18159), (503, 18240), (506, 18249), (510, 18261), (522, 18303), (562, 18360), (580, 18414), (618, 18522), (638, 18561), (698, 18702), (742, 18798), (746, 18819), (760, 18852), (773, 18885), (774, 18888), (807, 18972), (819, 19017), (820, 19020), (854, 19134), (864, 19167), (888, 19239), (902, 19275), (919, 19347), (935, 19425), (944, 19479), (949, 19503), (976, 19614),

Gene: Sandaddy_23 Start: 16328, Stop: 18799, Start Num: 167

Candidate Starts for Sandaddy_23:

(Start: 167 @16328 has 215 MA's), (181, 16367), (211, 16430), (Start: 223 @16460 has 23 MA's), (229, 16481), (233, 16502), (236, 16514), (273, 16532), (303, 16622), (356, 16820), (362, 16853), (378, 16919), (440, 17174), (453, 17195), (460, 17222), (549, 17381), (575, 17417), (610, 17510), (617, 17531), (642, 17588), (687, 17708), (703, 17744), (718, 17774), (732, 17810), (757, 17876), (765, 17897), (808, 18038), (848, 18179), (857, 18200), (937, 18512), (958, 18623), (965, 18665), (975, 18710), (982, 18749), (984, 18764),

Gene: Sanya_23 Start: 16990, Stop: 19461, Start Num: 167

Candidate Starts for Sanya_23:

(Start: 167 @16990 has 215 MA's), (181, 17029), (211, 17092), (Start: 223 @17122 has 23 MA's), (229, 17143), (233, 17164), (236, 17176), (273, 17194), (303, 17284), (356, 17482), (362, 17515), (378, 17581), (440, 17836), (453, 17857), (460, 17884), (549, 18043), (575, 18079), (610, 18172), (617, 18193), (642, 18250), (687, 18370), (703, 18406), (718, 18436), (732, 18472), (757, 18538), (765, 18559), (808, 18700), (848, 18841), (857, 18862), (901, 18997), (937, 19174), (958, 19285), (970, 19351), (975, 19372), (982, 19411), (984, 19426),

Gene: SarFire_24 Start: 16468, Stop: 18939, Start Num: 167

Candidate Starts for SarFire_24:

(Start: 167 @16468 has 215 MA's), (181, 16507), (211, 16570), (Start: 223 @16600 has 23 MA's), (229, 16621), (233, 16642), (273, 16672), (280, 16696), (288, 16717), (303, 16762), (356, 16960), (362, 16993), (378, 17059), (440, 17314), (453, 17335), (460, 17362), (462, 17377), (471, 17401), (533, 17488), (549, 17521), (575, 17557), (610, 17650), (617, 17671), (623, 17686), (630, 17707), (632, 17710), (659, 17779), (672, 17815), (687, 17848), (703, 17884), (718, 17914), (732, 17950), (757, 18016), (765, 18037), (808, 18178), (848, 18319), (857, 18340), (901, 18475), (923, 18571), (937, 18652), (958, 18763), (975, 18850), (982, 18889), (984, 18904),

Gene: Saskia_25 Start: 17175, Stop: 19703, Start Num: 131

Candidate Starts for Saskia_25:

(Start: 125 @17157 has 22 MA's), (Start: 131 @17175 has 2 MA's), (Start: 188 @17349 has 18 MA's), (192, 17358), (233, 17433), (308, 17541), (313, 17556), (314, 17559), (321, 17577), (337, 17640), (341, 17652), (356, 17715), (369, 17778), (373, 17793), (376, 17802), (380, 17823), (384, 17847), (387, 17862), (408, 17949), (410, 17952), (416, 17967), (422, 17988), (424, 18000), (440, 18066), (464, 18138), (473, 18162), (503, 18243), (506, 18252), (510, 18264), (522, 18306), (562, 18363), (580, 18417), (618, 18525), (638, 18564), (698, 18705), (742, 18801), (746, 18822), (760, 18855),

(773, 18888), (774, 18891), (807, 18975), (819, 19020), (820, 19023), (854, 19137), (864, 19170), (888, 19242), (902, 19278), (919, 19350), (935, 19428), (944, 19482), (949, 19506), (976, 19617),

Gene: SaturnRing_25 Start: 15495, Stop: 18530, Start Num: 33

Candidate Starts for SaturnRing_25:

(Start: 33 @15495 has 33 MA's), (73, 15669), (81, 15681), (92, 15714), (174, 15924), (218, 16044), (220, 16047), (299, 16251), (309, 16272), (320, 16302), (321, 16305), (337, 16368), (341, 16380), (349, 16413), (353, 16431), (367, 16500), (369, 16506), (373, 16521), (376, 16530), (378, 16542), (380, 16551), (397, 16644), (425, 16761), (426, 16764), (429, 16788), (430, 16791), (432, 16803), (447, 16857), (453, 16878), (458, 16899), (468, 16944), (472, 16971), (475, 16983), (520, 17124), (538, 17169), (546, 17184), (581, 17259), (582, 17268), (593, 17298), (597, 17313), (598, 17316), (605, 17334), (613, 17355), (614, 17358), (644, 17397), (648, 17400), (682, 17484), (712, 17550), (723, 17571), (743, 17610), (759, 17649), (765, 17670), (774, 17700), (775, 17703), (777, 17712), (784, 17736), (808, 17805), (812, 17826), (828, 17895), (836, 17913), (852, 17961), (855, 17973), (877, 18015), (880, 18027), (893, 18075), (936, 18246), (940, 18276), (946, 18306), (950, 18327), (980, 18462), (986, 18510),

Gene: Scamp_25 Start: 15885, Stop: 18485, Start Num: 165

Candidate Starts for Scamp_25:

(Start: 165 @15885 has 118 MA's), (Start: 223 @16026 has 23 MA's), (Start: 228 @16044 has 10 MA's), (278, 16251), (291, 16290), (298, 16320), (333, 16437), (341, 16464), (356, 16527), (369, 16590), (380, 16635), (387, 16677), (405, 16761), (506, 17028), (533, 17079), (566, 17124), (595, 17202), (612, 17241), (619, 17262), (686, 17409), (695, 17430), (704, 17454), (730, 17514), (731, 17520), (732, 17523), (749, 17574), (765, 17622), (785, 17688), (828, 17853), (836, 17871), (882, 17997), (943, 18249), (944, 18252), (946, 18261), (958, 18321), (980, 18417), (986, 18465),

Gene: Scherzo_27 Start: 17623, Stop: 20532, Start Num: 51

Candidate Starts for Scherzo_27:

(Start: 51 @17623 has 33 MA's), (54, 17635), (70, 17695), (153, 17917), (182, 17980), (194, 18022), (220, 18079), (233, 18118), (301, 18289), (305, 18295), (310, 18310), (336, 18400), (337, 18403), (341, 18415), (352, 18457), (362, 18511), (380, 18586), (383, 18607), (384, 18610), (387, 18628), (399, 18691), (419, 18757), (425, 18796), (429, 18823), (432, 18838), (440, 18868), (447, 18892), (453, 18913), (468, 18979), (475, 19018), (493, 19084), (501, 19111), (508, 19138), (538, 19204), (569, 19249), (590, 19324), (605, 19369), (613, 19390), (623, 19411), (624, 19414), (644, 19432), (648, 19435), (659, 19462), (667, 19489), (694, 19543), (774, 19735), (778, 19750), (788, 19780), (805, 19831), (827, 19918), (830, 19927), (846, 19978), (877, 20041), (882, 20062), (893, 20098), (908, 20134), (909, 20140), (927, 20218), (934, 20245), (944, 20305), (958, 20374), (962, 20404), (968, 20431), (981, 20470), (987, 20512),

Gene: Scorpia_23 Start: 15062, Stop: 17875, Start Num: 1

Candidate Starts for Scorpia_23:

(Start: 1 @15062 has 39 MA's), (9, 15251), (94, 15599), (Start: 129 @15734 has 2 MA's), (132, 15740), (224, 15833), (243, 15884), (284, 15920), (315, 16010), (331, 16076), (337, 16097), (356, 16172), (362, 16205), (376, 16259), (381, 16292), (382, 16295), (384, 16304), (405, 16403), (419, 16436), (458, 16565), (499, 16679), (561, 16730), (614, 16796), (678, 16889), (693, 16922), (737, 17009), (749, 17042), (755, 17054), (768, 17084), (808, 17147), (819, 17189), (839, 17261), (852, 17288), (856, 17303), (864, 17330), (872, 17351), (902, 17438), (911, 17468), (912, 17471), (925, 17531), (943, 17630), (946, 17642), (948, 17654), (950, 17663), (976, 17792), (980, 17810),

Gene: Scout_25 Start: 14795, Stop: 17833, Start Num: 33

Candidate Starts for Scout_25:

(Start: 33 @14795 has 33 MA's), (73, 14969), (81, 14981), (92, 15014), (174, 15224), (220, 15347), (226, 15368), (299, 15554), (309, 15575), (321, 15608), (337, 15671), (341, 15683), (349, 15716),

(353, 15734), (367, 15803), (369, 15809), (373, 15824), (376, 15833), (378, 15845), (380, 15854), (397, 15947), (425, 16064), (426, 16067), (430, 16094), (432, 16106), (447, 16160), (453, 16181), (458, 16202), (468, 16247), (475, 16286), (501, 16379), (520, 16427), (538, 16472), (546, 16487), (581, 16562), (582, 16571), (593, 16601), (597, 16616), (618, 16673), (644, 16700), (648, 16703), (658, 16724), (712, 16853), (723, 16874), (743, 16913), (759, 16952), (765, 16973), (774, 17003), (775, 17006), (777, 17015), (784, 17039), (808, 17108), (812, 17129), (828, 17198), (836, 17216), (852, 17264), (855, 17276), (877, 17318), (880, 17330), (893, 17378), (936, 17549), (940, 17579), (946, 17609), (950, 17630), (980, 17765), (981, 17777), (986, 17813),

Gene: Scowl_25 Start: 16861, Stop: 19521, Start Num: 167

Candidate Starts for Scowl_25:

(Start: 167 @16861 has 215 MA's), (181, 16900), (211, 16963), (213, 16969), (Start: 223 @16993 has 23 MA's), (233, 17035), (356, 17344), (369, 17407), (380, 17452), (385, 17476), (400, 17551), (403, 17563), (504, 17884), (610, 18214), (629, 18265), (642, 18292), (719, 18496), (762, 18610), (765, 18619), (772, 18640), (777, 18661), (808, 18760), (819, 18802), (820, 18805), (860, 18934), (888, 19018), (904, 19063), (958, 19345), (965, 19387), (969, 19405), (975, 19432), (982, 19471), (984, 19486),

Gene: Seabiscuit_26 Start: 16399, Stop: 18867, Start Num: 167

Candidate Starts for Seabiscuit_26:

(Start: 167 @16399 has 215 MA's), (174, 16414), (Start: 223 @16528 has 23 MA's), (229, 16549), (233, 16570), (273, 16600), (280, 16624), (288, 16645), (303, 16690), (356, 16888), (362, 16921), (378, 16987), (440, 17242), (453, 17263), (460, 17290), (549, 17449), (575, 17485), (610, 17578), (617, 17599), (623, 17614), (630, 17635), (632, 17638), (659, 17707), (672, 17743), (687, 17776), (703, 17812), (718, 17842), (732, 17878), (757, 17944), (765, 17965), (777, 18007), (808, 18106), (848, 18247), (857, 18268), (901, 18403), (937, 18580), (958, 18691), (975, 18778), (982, 18817), (986, 18847),

Gene: Seanderson_25 Start: 16848, Stop: 19319, Start Num: 167

Candidate Starts for Seanderson_25:

(Start: 167 @16848 has 215 MA's), (181, 16887), (211, 16950), (Start: 223 @16980 has 23 MA's), (229, 17001), (233, 17022), (273, 17052), (280, 17076), (303, 17142), (356, 17340), (362, 17373), (378, 17439), (440, 17694), (453, 17715), (460, 17742), (471, 17781), (498, 17838), (533, 17868), (610, 18030), (617, 18051), (642, 18108), (687, 18228), (703, 18264), (718, 18294), (732, 18330), (757, 18396), (765, 18417), (808, 18558), (848, 18699), (857, 18720), (901, 18855), (937, 19032), (958, 19143), (970, 19209), (975, 19230), (982, 19269), (984, 19284),

Gene: SemperFi_28 Start: 16964, Stop: 19501, Start Num: 120

Candidate Starts for SemperFi_28:

(Start: 120 @16964 has 91 MA's), (200, 17141), (203, 17144), (205, 17147), (216, 17177), (292, 17315), (296, 17336), (299, 17345), (309, 17366), (321, 17399), (336, 17459), (341, 17474), (353, 17525), (363, 17573), (366, 17591), (376, 17624), (378, 17636), (379, 17639), (380, 17645), (383, 17666), (384, 17669), (401, 17756), (425, 17855), (432, 17897), (435, 17906), (438, 17915), (450, 17963), (453, 17972), (468, 18038), (475, 18077), (538, 18263), (546, 18278), (570, 18311), (582, 18362), (590, 18383), (595, 18398), (597, 18407), (602, 18422), (644, 18491), (712, 18644), (723, 18665), (774, 18794), (788, 18839), (792, 18851), (803, 18887), (881, 19067), (887, 19076), (928, 19187), (935, 19217), (949, 19301),

Gene: SenorClean_25 Start: 16026, Stop: 18485, Start Num: 223

Candidate Starts for SenorClean_25:

(Start: 165 @15885 has 118 MA's), (Start: 223 @16026 has 23 MA's), (Start: 228 @16044 has 10 MA's), (278, 16251), (291, 16290), (298, 16320), (325, 16404), (333, 16437), (341, 16464), (356, 16527), (369, 16590), (380, 16635), (387, 16677), (405, 16761), (506, 17028), (533, 17079), (566,

17124), (595, 17202), (612, 17241), (686, 17409), (695, 17430), (704, 17454), (731, 17520), (749, 17574), (765, 17622), (785, 17688), (828, 17853), (836, 17871), (882, 17997), (943, 18249), (944, 18252), (946, 18261), (958, 18321), (980, 18417), (986, 18465),

Gene: Serenity_25 Start: 15579, Stop: 18095, Start Num: 120

Candidate Starts for Serenity_25:

(Start: 120 @15579 has 91 MA's), (175, 15690), (200, 15756), (203, 15759), (205, 15762), (226, 15810), (296, 15948), (299, 15957), (305, 15966), (341, 16086), (353, 16137), (364, 16194), (367, 16206), (369, 16212), (373, 16227), (378, 16248), (380, 16257), (388, 16305), (425, 16467), (430, 16497), (432, 16509), (443, 16548), (447, 16563), (453, 16584), (466, 16641), (467, 16647), (468, 16650), (472, 16677), (498, 16776), (538, 16875), (546, 16890), (578, 16953), (582, 16974), (590, 16995), (605, 17040), (644, 17103), (648, 17106), (662, 17145), (673, 17172), (688, 17202), (694, 17214), (712, 17256), (743, 17316), (753, 17343), (774, 17406), (792, 17463), (817, 17547), (842, 17613), (881, 17676), (944, 17871), (945, 17874), (949, 17895), (986, 18072), (989, 18081),

Gene: Severus_24 Start: 13964, Stop: 16519, Start Num: 228

Candidate Starts for Severus_24:

(Start: 161 @13787 has 8 MA's), (Start: 228 @13964 has 10 MA's), (247, 14039), (252, 14051), (294, 14213), (302, 14234), (306, 14246), (315, 14276), (323, 14309), (334, 14354), (340, 14372), (343, 14387), (344, 14396), (351, 14417), (370, 14522), (378, 14564), (414, 14729), (457, 14891), (462, 14918), (547, 15095), (571, 15140), (594, 15215), (611, 15263), (612, 15266), (619, 15287), (622, 15290), (643, 15335), (670, 15410), (672, 15413), (680, 15434), (692, 15458), (722, 15524), (731, 15554), (736, 15566), (763, 15653), (770, 15668), (785, 15722), (808, 15797), (824, 15875), (828, 15887), (847, 15944), (854, 15956), (857, 15968), (874, 16010), (878, 16022), (882, 16034), (888, 16049), (895, 16070), (899, 16082), (946, 16295), (958, 16355), (965, 16400), (980, 16451), (986, 16499),

Gene: Shaka_25 Start: 15885, Stop: 18485, Start Num: 165

Candidate Starts for Shaka_25:

(Start: 165 @15885 has 118 MA's), (Start: 223 @16026 has 23 MA's), (Start: 228 @16044 has 10 MA's), (266, 16200), (278, 16251), (291, 16290), (298, 16320), (333, 16437), (341, 16464), (356, 16527), (369, 16590), (380, 16635), (387, 16677), (405, 16761), (506, 17028), (533, 17079), (566, 17124), (595, 17202), (610, 17235), (612, 17241), (662, 17355), (686, 17409), (704, 17454), (730, 17514), (749, 17574), (785, 17688), (828, 17853), (836, 17871), (882, 17997), (943, 18249), (944, 18252), (946, 18261), (957, 18318), (958, 18321), (965, 18366), (980, 18417), (986, 18465),

Gene: Sham4_26 Start: 17160, Stop: 19706, Start Num: 125

Candidate Starts for Sham4_26:

(Start: 125 @17160 has 22 MA's), (Start: 131 @17178 has 2 MA's), (Start: 188 @17352 has 18 MA's), (192, 17361), (233, 17436), (291, 17490), (308, 17544), (313, 17559), (314, 17562), (321, 17580), (337, 17643), (341, 17655), (356, 17718), (369, 17781), (373, 17796), (376, 17805), (380, 17826), (384, 17850), (387, 17865), (408, 17952), (410, 17955), (416, 17970), (422, 17991), (424, 18003), (440, 18069), (464, 18141), (473, 18165), (503, 18246), (506, 18255), (510, 18267), (522, 18309), (562, 18366), (580, 18420), (618, 18528), (638, 18567), (698, 18708), (742, 18804), (746, 18825), (760, 18858), (773, 18891), (774, 18894), (807, 18978), (819, 19023), (820, 19026), (854, 19140), (864, 19173), (888, 19245), (902, 19281), (919, 19353), (935, 19431), (944, 19485), (949, 19509), (976, 19620),

Gene: Shapes_29 Start: 15937, Stop: 18492, Start Num: 228

Candidate Starts for Shapes_29:

(Start: 161 @15760 has 8 MA's), (Start: 228 @15937 has 10 MA's), (232, 15958), (248, 16015), (269, 16111), (272, 16120), (306, 16225), (314, 16252), (323, 16288), (343, 16366), (344, 16375), (351, 16396), (356, 16423), (370, 16501), (378, 16543), (414, 16708), (455, 16858), (457, 16870), (547,

17065), (594, 17185), (610, 17230), (611, 17233), (612, 17236), (619, 17257), (622, 17260), (643, 17305), (658, 17341), (662, 17359), (670, 17380), (686, 17413), (732, 17527), (753, 17590), (777, 17668), (785, 17692), (808, 17767), (822, 17833), (828, 17857), (836, 17875), (868, 17971), (878, 17995), (882, 18007), (888, 18022), (895, 18043), (899, 18055), (946, 18268), (954, 18304), (957, 18325), (958, 18328), (980, 18424), (986, 18472),

Gene: ShayRa_29 Start: 16045, Stop: 18231, Start Num: 188

Candidate Starts for ShayRa_29:

(Start: 129 @15868 has 2 MA's), (Start: 134 @15877 has 4 MA's), (Start: 188 @16045 has 18 MA's), (310, 16285), (312, 16291), (332, 16360), (347, 16417), (380, 16561), (387, 16603), (396, 16651), (397, 16654), (428, 16765), (431, 16783), (473, 16888), (495, 16936), (563, 17041), (585, 17101), (611, 17155), (633, 17191), (646, 17215), (648, 17224), (671, 17287), (685, 17308), (692, 17323), (705, 17347), (710, 17359), (741, 17413), (746, 17434), (761, 17464), (833, 17635), (839, 17656), (872, 17740), (950, 18043), (980, 18166), (981, 18178),

Gene: SheaKeira_26 Start: 15769, Stop: 18678, Start Num: 51

Candidate Starts for SheaKeira_26:

(23, 15580), (Start: 36 @15682 has 4 MA's), (Start: 51 @15769 has 33 MA's), (54, 15781), (92, 15892), (95, 15901), (103, 15925), (104, 15934), (111, 15955), (114, 15964), (127, 15997), (150, 16051), (194, 16165), (218, 16219), (220, 16222), (265, 16348), (296, 16423), (299, 16432), (320, 16483), (324, 16498), (337, 16549), (341, 16561), (348, 16591), (353, 16612), (362, 16657), (363, 16660), (366, 16678), (367, 16681), (373, 16702), (380, 16732), (381, 16744), (389, 16783), (390, 16792), (397, 16825), (399, 16837), (425, 16942), (446, 17035), (447, 17038), (453, 17059), (456, 17068), (458, 17080), (463, 17104), (465, 17113), (466, 17116), (468, 17125), (470, 17143), (472, 17152), (477, 17176), (501, 17257), (516, 17296), (545, 17362), (590, 17470), (598, 17497), (605, 17515), (613, 17536), (623, 17557), (624, 17560), (644, 17578), (648, 17581), (659, 17608), (667, 17635), (684, 17668), (696, 17695), (774, 17881), (788, 17926), (792, 17938), (805, 17977), (817, 18022), (822, 18043), (828, 18067), (836, 18085), (840, 18106), (846, 18124), (877, 18187), (882, 18208), (907, 18280), (909, 18289), (927, 18367), (936, 18403), (947, 18466), (949, 18478), (962, 18553), (981, 18619), (987, 18661),

Gene: Sheen_27 Start: 17618, Stop: 20998, Start Num: 36

Candidate Starts for Sheen_27:

(Start: 36 @17618 has 4 MA's), (135, 18005), (151, 18062), (158, 18089), (185, 18170), (189, 18194), (193, 18206), (218, 18257), (237, 18353), (254, 18404), (307, 18587), (309, 18593), (321, 18626), (324, 18638), (348, 18731), (353, 18752), (356, 18764), (388, 18920), (392, 18944), (407, 19007), (425, 19082), (432, 19124), (447, 19178), (453, 19199), (466, 19256), (467, 19262), (468, 19265), (485, 19349), (491, 19364), (498, 19391), (501, 19397), (538, 19490), (545, 19502), (546, 19505), (605, 19655), (611, 19670), (617, 19688), (628, 19712), (635, 19730), (637, 19733), (640, 19739), (679, 19844), (706, 19907), (708, 19910), (727, 19967), (729, 19973), (745, 20021), (753, 20051), (777, 20129), (780, 20141), (782, 20150), (812, 20249), (828, 20318), (836, 20336), (858, 20420), (862, 20432), (866, 20444), (882, 20495), (888, 20516), (904, 20567), (911, 20600), (928, 20681), (936, 20714), (940, 20744), (948, 20786), (954, 20810), (964, 20876), (968, 20891), (969, 20897), (982, 20948),

Gene: SheldonCooper_26 Start: 16197, Stop: 18797, Start Num: 165

Candidate Starts for SheldonCooper_26:

(Start: 165 @16197 has 118 MA's), (Start: 223 @16338 has 23 MA's), (Start: 228 @16356 has 10 MA's), (266, 16512), (278, 16563), (298, 16632), (333, 16749), (341, 16776), (356, 16839), (369, 16902), (380, 16947), (387, 16989), (405, 17073), (471, 17280), (506, 17340), (533, 17391), (566, 17436), (595, 17514), (610, 17547), (612, 17553), (686, 17721), (695, 17742), (704, 17766), (730, 17826), (731, 17832), (732, 17835), (749, 17886), (765, 17934), (785, 18000), (828, 18165), (836, 18183), (882, 18309), (943, 18561), (944, 18564), (946, 18573), (957, 18630), (958, 18633), (965,

18678), (980, 18729), (986, 18777),

Gene: ShortQueendom_24 Start: 16288, Stop: 18759, Start Num: 167

Candidate Starts for ShortQueendom_24:

(Start: 167 @16288 has 215 MA's), (181, 16327), (211, 16390), (Start: 223 @16420 has 23 MA's), (229, 16441), (233, 16462), (236, 16474), (273, 16492), (303, 16582), (356, 16780), (362, 16813), (378, 16879), (440, 17134), (453, 17155), (460, 17182), (549, 17341), (575, 17377), (610, 17470), (617, 17491), (642, 17548), (672, 17635), (687, 17668), (703, 17704), (718, 17734), (732, 17770), (757, 17836), (765, 17857), (808, 17998), (848, 18139), (857, 18160), (901, 18295), (937, 18472), (958, 18583), (965, 18625), (975, 18670), (982, 18709), (984, 18724),

Gene: Shuman_21 Start: 12124, Stop: 15471, Start Num: 15

Candidate Starts for Shuman_21:

(Start: 15 @12124 has 35 MA's), (17, 12142), (31, 12265), (37, 12286), (42, 12307), (47, 12337), (63, 12376), (94, 12451), (107, 12499), (126, 12547), (127, 12556), (Start: 159 @12631 has 1 MA's), (173, 12652), (180, 12673), (183, 12679), (197, 12727), (232, 12799), (245, 12838), (251, 12847), (276, 12901), (294, 12955), (296, 12961), (312, 13000), (323, 13033), (333, 13072), (348, 13129), (373, 13240), (378, 13261), (380, 13270), (387, 13312), (397, 13363), (399, 13375), (420, 13447), (421, 13450), (432, 13522), (435, 13531), (441, 13555), (448, 13579), (450, 13588), (452, 13594), (453, 13597), (456, 13606), (458, 13618), (467, 13660), (472, 13690), (477, 13714), (481, 13735), (489, 13759), (504, 13804), (522, 13855), (528, 13867), (531, 13870), (538, 13888), (546, 13903), (577, 13954), (590, 14008), (652, 14131), (661, 14158), (670, 14182), (684, 14209), (700, 14245), (713, 14275), (750, 14359), (776, 14440), (790, 14485), (792, 14497), (793, 14506), (795, 14515), (798, 14521), (799, 14527), (808, 14548), (837, 14662), (842, 14683), (865, 14728), (884, 14782), (897, 14827), (915, 14899), (921, 14923), (929, 14968), (933, 14986), (945, 15061), (950, 15094), (959, 15136), (973, 15214), (978, 15229), (981, 15253), (992, 15409), (993, 15421), (994, 15427),

Gene: Shygu2_25 Start: 15876, Stop: 18476, Start Num: 165

Candidate Starts for Shygu2_25:

(Start: 165 @15876 has 118 MA's), (266, 16191), (271, 16218), (284, 16266), (304, 16323), (333, 16428), (337, 16443), (356, 16518), (380, 16626), (383, 16647), (387, 16668), (506, 17019), (533, 17070), (565, 17112), (566, 17115), (610, 17226), (612, 17232), (669, 17364), (686, 17400), (705, 17448), (749, 17565), (785, 17679), (828, 17844), (836, 17862), (878, 17976), (882, 17988), (913, 18078), (931, 18171), (944, 18243), (946, 18252), (958, 18312), (960, 18321), (980, 18408), (986, 18456),

Gene: Sibs6_26 Start: 16924, Stop: 19404, Start Num: 167

Candidate Starts for Sibs6_26:

(Start: 167 @16924 has 215 MA's), (181, 16963), (211, 17026), (Start: 223 @17056 has 23 MA's), (233, 17098), (327, 17305), (333, 17323), (356, 17413), (369, 17476), (376, 17500), (378, 17512), (387, 17563), (537, 17947), (592, 18049), (606, 18088), (610, 18103), (614, 18115), (623, 18139), (672, 18268), (718, 18367), (757, 18469), (765, 18490), (777, 18532), (808, 18631), (823, 18694), (852, 18784), (892, 18913), (903, 18946), (958, 19228), (970, 19294), (975, 19315), (982, 19354), (986, 19384),

Gene: SkiPole_26 Start: 16553, Stop: 19165, Start Num: 167

Candidate Starts for SkiPole_26:

(Start: 167 @16553 has 215 MA's), (181, 16592), (211, 16655), (213, 16661), (Start: 223 @16685 has 23 MA's), (233, 16727), (248, 16778), (327, 17066), (333, 17084), (356, 17174), (369, 17237), (376, 17261), (378, 17273), (387, 17324), (537, 17708), (592, 17810), (606, 17849), (610, 17864), (614, 17876), (623, 17900), (654, 17975), (672, 18029), (718, 18128), (757, 18230), (765, 18251), (769, 18260), (777, 18293), (797, 18368), (808, 18392), (823, 18455), (857, 18566), (872, 18608), (892, 18674), (903, 18707), (958, 18989), (975, 19076), (982, 19115), (984, 19130),

Gene: Skipitt_25 Start: 16023, Stop: 18482, Start Num: 223

Candidate Starts for Skipitt_25:

(Start: 165 @15882 has 118 MA's), (Start: 223 @16023 has 23 MA's), (Start: 228 @16041 has 10 MA's), (278, 16248), (291, 16287), (298, 16317), (333, 16434), (341, 16461), (356, 16524), (369, 16587), (380, 16632), (387, 16674), (405, 16758), (506, 17025), (533, 17076), (566, 17121), (595, 17199), (610, 17232), (612, 17238), (658, 17334), (660, 17343), (686, 17406), (695, 17427), (705, 17454), (730, 17511), (731, 17517), (749, 17571), (765, 17619), (785, 17685), (828, 17850), (836, 17868), (882, 17994), (943, 18246), (944, 18249), (946, 18258), (958, 18318), (980, 18414), (986, 18462),

Gene: Sknot_26 Start: 16673, Stop: 19180, Start Num: 120

Candidate Starts for Sknot_26:

(Start: 120 @16673 has 91 MA's), (175, 16784), (195, 16841), (287, 16997), (296, 17027), (321, 17090), (328, 17123), (330, 17129), (373, 17309), (376, 17318), (380, 17339), (383, 17360), (384, 17363), (387, 17381), (398, 17441), (425, 17549), (432, 17591), (447, 17645), (453, 17666), (467, 17729), (468, 17732), (470, 17750), (475, 17771), (538, 17957), (546, 17972), (568, 17999), (582, 18056), (587, 18071), (590, 18077), (593, 18086), (595, 18092), (605, 18122), (613, 18143), (648, 18188), (651, 18194), (662, 18227), (673, 18254), (706, 18326), (712, 18338), (743, 18398), (753, 18425), (774, 18488), (788, 18533), (792, 18545), (803, 18581), (815, 18617), (822, 18650), (864, 18713), (877, 18737), (930, 18881), (949, 18980), (964, 19067), (989, 19166),

Gene: Slagathor_25 Start: 16276, Stop: 18747, Start Num: 167

Candidate Starts for Slagathor_25:

(Start: 167 @16276 has 215 MA's), (181, 16315), (211, 16378), (Start: 223 @16408 has 23 MA's), (229, 16429), (233, 16450), (236, 16462), (273, 16480), (280, 16504), (303, 16570), (356, 16768), (362, 16801), (378, 16867), (440, 17122), (453, 17143), (460, 17170), (549, 17329), (575, 17365), (610, 17458), (617, 17479), (642, 17536), (687, 17656), (703, 17692), (718, 17722), (732, 17758), (757, 17824), (765, 17845), (808, 17986), (848, 18127), (857, 18148), (901, 18283), (937, 18460), (958, 18571), (970, 18637), (975, 18658), (982, 18697), (984, 18712),

Gene: Smairt_25 Start: 17108, Stop: 19579, Start Num: 167

Candidate Starts for Smairt_25:

(Start: 167 @17108 has 215 MA's), (181, 17147), (211, 17210), (Start: 223 @17240 has 23 MA's), (229, 17261), (233, 17282), (236, 17294), (273, 17312), (303, 17402), (356, 17600), (362, 17633), (378, 17699), (440, 17954), (453, 17975), (460, 18002), (549, 18161), (575, 18197), (610, 18290), (617, 18311), (642, 18368), (687, 18488), (703, 18524), (718, 18554), (732, 18590), (757, 18656), (765, 18677), (808, 18818), (848, 18959), (857, 18980), (901, 19115), (937, 19292), (958, 19403), (975, 19490), (982, 19529), (986, 19559),

Gene: Smeadley_22 Start: 14546, Stop: 17623, Start Num: 14

Candidate Starts for Smeadley_22:

(Start: 14 @14546 has 12 MA's), (22, 14630), (48, 14798), (50, 14822), (76, 14870), (113, 14990), (138, 15062), (191, 15212), (192, 15215), (198, 15221), (291, 15407), (310, 15467), (312, 15473), (331, 15539), (339, 15566), (342, 15581), (355, 15632), (356, 15635), (362, 15668), (369, 15701), (408, 15869), (464, 16052), (473, 16076), (495, 16124), (506, 16145), (507, 16148), (572, 16292), (587, 16349), (601, 16379), (616, 16418), (653, 16490), (662, 16520), (712, 16619), (725, 16649), (742, 16694), (808, 16892), (812, 16913), (815, 16925), (852, 17033), (872, 17096), (880, 17120), (889, 17150), (902, 17183), (912, 17216), (925, 17276), (930, 17303), (949, 17402), (950, 17408), (967, 17498), (976, 17519), (982, 17558), (991, 17606),

Gene: Smeagan_28 Start: 17115, Stop: 19658, Start Num: 120

Candidate Starts for Smeagan_28:

(Start: 120 @17115 has 91 MA's), (203, 17295), (205, 17298), (216, 17328), (289, 17466), (292, 17472), (296, 17493), (299, 17502), (305, 17511), (309, 17523), (324, 17568), (328, 17589), (341, 17631), (353, 17682), (362, 17727), (363, 17730), (366, 17748), (376, 17781), (378, 17793), (380, 17802), (383, 17823), (384, 17826), (401, 17913), (425, 18012), (432, 18054), (435, 18063), (438, 18072), (453, 18129), (468, 18195), (475, 18234), (515, 18363), (538, 18420), (577, 18486), (582, 18519), (587, 18534), (590, 18540), (593, 18549), (597, 18564), (605, 18585), (613, 18606), (623, 18627), (624, 18630), (644, 18648), (648, 18651), (666, 18702), (694, 18759), (701, 18777), (712, 18801), (743, 18861), (753, 18888), (774, 18951), (788, 18996), (827, 19134), (881, 19224), (887, 19233), (908, 19257), (928, 19344), (935, 19374), (949, 19458),

Gene: Smeagol_26 Start: 17697, Stop: 20180, Start Num: 167

Candidate Starts for Smeagol_26:

(Start: 167 @17697 has 215 MA's), (181, 17736), (211, 17799), (Start: 223 @17829 has 23 MA's), (233, 17871), (327, 18078), (356, 18186), (369, 18249), (376, 18273), (378, 18285), (387, 18336), (537, 18720), (592, 18822), (606, 18861), (614, 18888), (623, 18912), (711, 19116), (718, 19128), (726, 19143), (763, 19260), (777, 19305), (782, 19326), (784, 19329), (828, 19494), (848, 19560), (864, 19602), (892, 19689), (904, 19722), (958, 20004), (975, 20091), (982, 20130), (984, 20145),

Gene: SmellyB_29 Start: 16735, Stop: 18939, Start Num: 128

Candidate Starts for SmellyB_29:

(69, 16576), (107, 16690), (Start: 128 @16735 has 47 MA's), (175, 16846), (176, 16852), (Start: 223 @16960 has 23 MA's), (233, 17002), (284, 17068), (316, 17161), (325, 17188), (356, 17311), (362, 17344), (382, 17434), (395, 17503), (473, 17746), (577, 17884), (670, 18004), (773, 18157), (808, 18220), (819, 18262), (852, 18361), (857, 18382), (864, 18403), (872, 18424), (888, 18475), (892, 18487), (899, 18502), (919, 18583), (935, 18661),

Gene: SnapTap_26 Start: 16547, Stop: 19084, Start Num: 120

Candidate Starts for SnapTap_26:

(Start: 120 @16547 has 91 MA's), (200, 16724), (203, 16727), (205, 16730), (216, 16760), (292, 16898), (296, 16919), (299, 16928), (309, 16949), (321, 16982), (336, 17042), (341, 17057), (353, 17108), (363, 17156), (366, 17174), (376, 17207), (378, 17219), (379, 17222), (380, 17228), (383, 17249), (384, 17252), (401, 17339), (425, 17438), (432, 17480), (435, 17489), (438, 17498), (450, 17546), (453, 17555), (468, 17621), (475, 17660), (509, 17783), (538, 17846), (546, 17861), (570, 17894), (582, 17945), (590, 17966), (595, 17981), (597, 17990), (602, 18005), (644, 18074), (712, 18227), (774, 18377), (788, 18422), (792, 18434), (803, 18470), (881, 18650), (887, 18659), (928, 18770), (935, 18800), (949, 18884),

Gene: Snape_26 Start: 17160, Stop: 19706, Start Num: 125

Candidate Starts for Snape_26:

(Start: 125 @17160 has 22 MA's), (Start: 131 @17178 has 2 MA's), (Start: 188 @17352 has 18 MA's), (192, 17361), (233, 17436), (291, 17490), (308, 17544), (313, 17559), (314, 17562), (321, 17580), (337, 17643), (341, 17655), (356, 17718), (369, 17781), (373, 17796), (376, 17805), (380, 17826), (384, 17850), (387, 17865), (408, 17952), (410, 17955), (416, 17970), (422, 17991), (424, 18003), (440, 18069), (462, 18132), (464, 18141), (473, 18165), (503, 18246), (506, 18255), (510, 18267), (522, 18309), (562, 18366), (580, 18420), (618, 18528), (638, 18567), (698, 18708), (742, 18804), (746, 18825), (760, 18858), (773, 18891), (774, 18894), (807, 18978), (819, 19023), (820, 19026), (854, 19140), (864, 19173), (888, 19245), (902, 19281), (919, 19353), (935, 19431), (944, 19485), (949, 19509), (976, 19620),

Gene: Snazzy_22 Start: 15797, Stop: 18268, Start Num: 167

Candidate Starts for Snazzy_22:

(Start: 167 @15797 has 215 MA's), (181, 15836), (211, 15899), (Start: 223 @15929 has 23 MA's), (229, 15950), (233, 15971), (236, 15983), (273, 16001), (303, 16091), (356, 16289), (362, 16322),

(378, 16388), (440, 16643), (453, 16664), (460, 16691), (549, 16850), (575, 16886), (610, 16979), (617, 17000), (642, 17057), (687, 17177), (703, 17213), (718, 17243), (732, 17279), (757, 17345), (765, 17366), (808, 17507), (848, 17648), (857, 17669), (901, 17804), (937, 17981), (958, 18092), (975, 18179), (982, 18218),

Gene: Snickers_27 Start: 15953, Stop: 18979, Start Num: 35

Candidate Starts for Snickers_27:

(29, 15899), (Start: 35 @15953 has 84 MA's), (57, 16067), (79, 16133), (81, 16136), (85, 16145), (97, 16181), (113, 16232), (141, 16304), (174, 16376), (218, 16496), (220, 16499), (243, 16568), (260, 16613), (299, 16706), (305, 16715), (311, 16733), (321, 16760), (337, 16823), (341, 16835), (349, 16868), (353, 16886), (366, 16952), (367, 16955), (369, 16961), (373, 16976), (376, 16985), (378, 16997), (380, 17006), (393, 17084), (397, 17099), (425, 17216), (426, 17219), (430, 17246), (432, 17258), (447, 17312), (453, 17333), (468, 17399), (475, 17438), (501, 17531), (520, 17579), (538, 17624), (570, 17672), (581, 17714), (582, 17723), (593, 17753), (594, 17756), (597, 17768), (618, 17825), (623, 17831), (644, 17852), (648, 17855), (706, 17993), (712, 18005), (743, 18065), (765, 18125), (774, 18155), (775, 18158), (777, 18167), (808, 18260), (828, 18350), (852, 18416), (855, 18428), (877, 18470), (894, 18533), (914, 18590), (927, 18659), (936, 18695), (950, 18776), (980, 18911),

Gene: SoYo_27 Start: 15890, Stop: 18916, Start Num: 35

Candidate Starts for SoYo_27:

(29, 15836), (Start: 35 @15890 has 84 MA's), (57, 16004), (79, 16070), (81, 16073), (85, 16082), (97, 16118), (113, 16169), (141, 16241), (174, 16313), (218, 16433), (220, 16436), (243, 16505), (260, 16550), (299, 16643), (305, 16652), (311, 16670), (321, 16697), (337, 16760), (341, 16772), (349, 16805), (353, 16823), (366, 16889), (367, 16892), (369, 16898), (373, 16913), (376, 16922), (378, 16934), (380, 16943), (393, 17021), (397, 17036), (425, 17153), (426, 17156), (430, 17183), (432, 17195), (447, 17249), (453, 17270), (468, 17336), (475, 17375), (501, 17468), (520, 17516), (538, 17561), (570, 17609), (581, 17651), (582, 17660), (593, 17690), (594, 17693), (597, 17705), (618, 17762), (623, 17768), (644, 17789), (648, 17792), (706, 17930), (712, 17942), (743, 18002), (763, 18059), (808, 18197), (812, 18218), (817, 18242), (828, 18287), (836, 18305), (852, 18353), (855, 18365), (877, 18407), (894, 18470), (914, 18527), (927, 18596), (936, 18632), (950, 18713), (980, 18848),

Gene: SoilDragon_27 Start: 15667, Stop: 18693, Start Num: 35

Candidate Starts for SoilDragon_27:

(29, 15613), (Start: 35 @15667 has 84 MA's), (57, 15781), (79, 15847), (81, 15850), (85, 15859), (97, 15895), (113, 15946), (141, 16018), (174, 16090), (218, 16210), (220, 16213), (243, 16282), (260, 16327), (299, 16420), (305, 16429), (321, 16474), (337, 16537), (341, 16549), (349, 16582), (353, 16600), (366, 16666), (367, 16669), (369, 16675), (373, 16690), (376, 16699), (378, 16711), (380, 16720), (397, 16813), (421, 16900), (425, 16930), (426, 16933), (430, 16960), (432, 16972), (447, 17026), (453, 17047), (461, 17077), (468, 17113), (520, 17293), (538, 17338), (570, 17386), (581, 17428), (582, 17437), (593, 17467), (618, 17539), (644, 17566), (648, 17569), (654, 17581), (702, 17698), (706, 17707), (712, 17719), (743, 17779), (765, 17839), (774, 17869), (775, 17872), (777, 17881), (808, 17974), (828, 18064), (852, 18130), (855, 18142), (877, 18184), (894, 18247), (914, 18304), (927, 18373), (936, 18409), (950, 18490), (980, 18625),

Gene: Solon_24 Start: 16959, Stop: 19430, Start Num: 167

Candidate Starts for Solon_24:

(Start: 167 @16959 has 215 MA's), (181, 16998), (211, 17061), (Start: 223 @17091 has 23 MA's), (229, 17112), (233, 17133), (236, 17145), (273, 17163), (303, 17253), (356, 17451), (362, 17484), (378, 17550), (440, 17805), (453, 17826), (460, 17853), (549, 18012), (575, 18048), (610, 18141), (617, 18162), (642, 18219), (687, 18339), (703, 18375), (718, 18405), (732, 18441), (757, 18507), (765, 18528), (808, 18669), (848, 18810), (857, 18831), (901, 18966), (937, 19143), (958, 19254),

(970, 19320), (975, 19341), (982, 19380), (984, 19395),

Gene: SororFago_25 Start: 15738, Stop: 18149, Start Num: 208

Candidate Starts for SororFago_25:

(Start: 208 @15738 has 1 MA's), (Start: 215 @15759 has 5 MA's), (226, 15792), (255, 15894), (264, 15936), (275, 15978), (291, 16029), (319, 16119), (341, 16203), (356, 16266), (362, 16299), (371, 16332), (376, 16353), (380, 16374), (387, 16416), (399, 16479), (442, 16620), (517, 16788), (519, 16794), (533, 16818), (574, 16878), (641, 17052), (772, 17349), (791, 17409), (798, 17442), (801, 17454), (812, 17487), (815, 17496), (826, 17547), (863, 17628), (868, 17640), (878, 17664), (898, 17718), (902, 17730), (926, 17835), (948, 17946), (962, 18021), (981, 18087), (986, 18123),

Gene: Sorpresa_24 Start: 16328, Stop: 18799, Start Num: 167

Candidate Starts for Sorpresa_24:

(Start: 167 @16328 has 215 MA's), (181, 16367), (211, 16430), (Start: 223 @16460 has 23 MA's), (229, 16481), (233, 16502), (236, 16514), (273, 16532), (303, 16622), (356, 16820), (362, 16853), (378, 16919), (440, 17174), (453, 17195), (460, 17222), (549, 17381), (575, 17417), (610, 17510), (617, 17531), (642, 17588), (687, 17708), (703, 17744), (718, 17774), (732, 17810), (757, 17876), (765, 17897), (808, 18038), (848, 18179), (857, 18200), (937, 18512), (958, 18623), (965, 18665), (975, 18710), (982, 18749), (984, 18764),

Gene: Soshari_29 Start: 16062, Stop: 19088, Start Num: 35

Candidate Starts for Soshari_29:

(29, 16008), (Start: 35 @16062 has 84 MA's), (57, 16176), (79, 16242), (81, 16245), (85, 16254), (97, 16290), (113, 16341), (141, 16413), (174, 16485), (218, 16605), (220, 16608), (243, 16677), (260, 16722), (299, 16815), (305, 16824), (311, 16842), (321, 16869), (337, 16932), (341, 16944), (349, 16977), (353, 16995), (366, 17061), (367, 17064), (369, 17070), (373, 17085), (376, 17094), (378, 17106), (380, 17115), (393, 17193), (397, 17208), (425, 17325), (426, 17328), (430, 17355), (432, 17367), (447, 17421), (453, 17442), (468, 17508), (475, 17547), (501, 17640), (520, 17688), (538, 17733), (570, 17781), (581, 17823), (582, 17832), (593, 17862), (594, 17865), (597, 17877), (618, 17934), (623, 17940), (644, 17961), (648, 17964), (706, 18102), (712, 18114), (743, 18174), (763, 18231), (808, 18369), (812, 18390), (817, 18414), (828, 18459), (836, 18477), (852, 18525), (855, 18537), (877, 18579), (894, 18642), (914, 18699), (927, 18768), (936, 18804), (950, 18885), (980, 19020),

Gene: Soups_28 Start: 16045, Stop: 18231, Start Num: 188

Candidate Starts for Soups_28:

(Start: 129 @15868 has 2 MA's), (Start: 134 @15877 has 4 MA's), (Start: 188 @16045 has 18 MA's), (310, 16285), (312, 16291), (332, 16360), (347, 16417), (380, 16561), (387, 16603), (396, 16651), (397, 16654), (428, 16765), (431, 16783), (473, 16888), (495, 16936), (563, 17041), (585, 17101), (611, 17155), (633, 17191), (646, 17215), (648, 17224), (671, 17287), (685, 17308), (692, 17323), (705, 17347), (710, 17359), (741, 17413), (746, 17434), (761, 17464), (833, 17635), (839, 17656), (872, 17740), (950, 18043), (980, 18166), (981, 18178),

Gene: Sparxx_25 Start: 15883, Stop: 18483, Start Num: 165

Candidate Starts for Sparxx_25:

(Start: 165 @15883 has 118 MA's), (Start: 223 @16024 has 23 MA's), (Start: 228 @16042 has 10 MA's), (278, 16249), (291, 16288), (298, 16318), (333, 16435), (341, 16462), (356, 16525), (369, 16588), (380, 16633), (387, 16675), (405, 16759), (506, 17026), (533, 17077), (566, 17122), (595, 17200), (612, 17239), (619, 17260), (686, 17407), (695, 17428), (704, 17452), (730, 17512), (731, 17518), (732, 17521), (749, 17572), (765, 17620), (785, 17686), (828, 17851), (836, 17869), (882, 17995), (943, 18247), (944, 18250), (946, 18259), (958, 18319), (980, 18415), (986, 18463),

Gene: Spike509_27 Start: 16063, Stop: 19089, Start Num: 35

Candidate Starts for Spike509_27:

(29, 16009), (Start: 35 @16063 has 84 MA's), (57, 16177), (79, 16243), (81, 16246), (85, 16255), (97, 16291), (113, 16342), (141, 16414), (174, 16486), (218, 16606), (220, 16609), (243, 16678), (260, 16723), (299, 16816), (305, 16825), (311, 16843), (321, 16870), (337, 16933), (341, 16945), (349, 16978), (353, 16996), (366, 17062), (367, 17065), (369, 17071), (373, 17086), (376, 17095), (378, 17107), (380, 17116), (393, 17194), (397, 17209), (425, 17326), (426, 17329), (430, 17356), (432, 17368), (447, 17422), (453, 17443), (468, 17509), (475, 17548), (501, 17641), (520, 17689), (538, 17734), (581, 17824), (582, 17833), (593, 17863), (613, 17920), (618, 17935), (644, 17962), (648, 17965), (706, 18103), (712, 18115), (743, 18175), (763, 18232), (808, 18370), (812, 18391), (817, 18415), (828, 18460), (836, 18478), (852, 18526), (855, 18538), (877, 18580), (894, 18643), (914, 18700), (927, 18769), (936, 18805), (950, 18886), (980, 19021),

Gene: SpikeBT_26 Start: 17264, Stop: 19735, Start Num: 167

Candidate Starts for SpikeBT_26:

(Start: 167 @17264 has 215 MA's), (181, 17303), (211, 17366), (Start: 223 @17396 has 23 MA's), (229, 17417), (233, 17438), (236, 17450), (273, 17468), (303, 17558), (356, 17756), (362, 17789), (378, 17855), (440, 18110), (453, 18131), (460, 18158), (549, 18317), (575, 18353), (610, 18446), (617, 18467), (642, 18524), (672, 18611), (687, 18644), (703, 18680), (718, 18710), (732, 18746), (757, 18812), (765, 18833), (808, 18974), (848, 19115), (857, 19136), (901, 19271), (937, 19448), (958, 19559), (965, 19601), (975, 19646), (982, 19685), (984, 19700),

Gene: Spino_25 Start: 16026, Stop: 18485, Start Num: 223

Candidate Starts for Spino_25:

(Start: 165 @15885 has 118 MA's), (Start: 223 @16026 has 23 MA's), (Start: 228 @16044 has 10 MA's), (278, 16251), (291, 16290), (298, 16320), (333, 16437), (341, 16464), (356, 16527), (369, 16590), (380, 16635), (387, 16677), (405, 16761), (506, 17028), (533, 17079), (566, 17124), (595, 17202), (612, 17241), (619, 17262), (686, 17409), (695, 17430), (704, 17454), (730, 17514), (731, 17520), (749, 17574), (765, 17622), (785, 17688), (828, 17853), (836, 17871), (882, 17997), (943, 18249), (944, 18252), (946, 18261), (958, 18321), (980, 18417), (986, 18465),

Gene: Spouty_27 Start: 17620, Stop: 20529, Start Num: 51

Candidate Starts for Spouty_27:

(Start: 51 @17620 has 33 MA's), (54, 17632), (70, 17692), (153, 17914), (182, 17977), (194, 18019), (218, 18073), (220, 18076), (233, 18115), (301, 18286), (305, 18292), (310, 18307), (336, 18397), (337, 18400), (341, 18412), (352, 18454), (362, 18508), (366, 18529), (380, 18583), (383, 18604), (384, 18607), (387, 18625), (399, 18688), (419, 18754), (425, 18793), (429, 18820), (432, 18835), (440, 18865), (447, 18889), (450, 18901), (453, 18910), (468, 18976), (475, 19015), (493, 19081), (501, 19108), (508, 19135), (569, 19246), (590, 19321), (597, 19345), (605, 19366), (613, 19387), (623, 19408), (624, 19411), (644, 19429), (648, 19432), (659, 19459), (684, 19519), (698, 19549), (712, 19582), (727, 19612), (736, 19624), (774, 19732), (778, 19747), (788, 19777), (805, 19828), (827, 19915), (830, 19924), (846, 19975), (877, 20038), (882, 20059), (893, 20095), (908, 20131), (909, 20137), (927, 20215), (934, 20242), (958, 20371), (962, 20401), (968, 20428), (981, 20467), (987, 20509),

Gene: Squee_25 Start: 17091, Stop: 19706, Start Num: 167

Candidate Starts for Squee_25:

(Start: 167 @17091 has 215 MA's), (181, 17130), (211, 17193), (213, 17199), (Start: 223 @17223 has 23 MA's), (286, 17331), (341, 17502), (355, 17562), (356, 17565), (381, 17688), (387, 17718), (400, 17781), (463, 18000), (487, 18072), (512, 18120), (530, 18165), (609, 18390), (610, 18399), (623, 18435), (642, 18477), (719, 18681), (762, 18795), (765, 18804), (772, 18825), (777, 18846), (808, 18945), (819, 18987), (820, 18990), (860, 19119), (888, 19203), (904, 19248), (958, 19530), (970, 19596), (975, 19617), (982, 19656), (984, 19671),

Gene: StCroix_21 Start: 12124, Stop: 15471, Start Num: 15

Candidate Starts for StCroix_21:

(Start: 15 @12124 has 35 MA's), (17, 12142), (31, 12265), (37, 12286), (42, 12307), (47, 12337), (94, 12451), (107, 12499), (126, 12547), (127, 12556), (Start: 159 @12631 has 1 MA's), (173, 12652), (180, 12673), (183, 12679), (197, 12727), (232, 12799), (245, 12838), (251, 12847), (276, 12901), (294, 12955), (296, 12961), (312, 13000), (323, 13033), (333, 13072), (348, 13129), (373, 13240), (378, 13261), (380, 13270), (387, 13312), (397, 13363), (399, 13375), (420, 13447), (421, 13450), (432, 13522), (435, 13531), (441, 13555), (448, 13579), (450, 13588), (452, 13594), (453, 13597), (456, 13606), (458, 13618), (467, 13660), (472, 13690), (477, 13714), (481, 13735), (489, 13759), (504, 13804), (522, 13855), (528, 13867), (531, 13870), (538, 13888), (546, 13903), (577, 13954), (590, 14008), (652, 14131), (661, 14158), (670, 14182), (684, 14209), (700, 14245), (713, 14275), (750, 14359), (776, 14440), (790, 14485), (792, 14497), (793, 14506), (795, 14515), (798, 14521), (799, 14527), (808, 14548), (837, 14662), (842, 14683), (865, 14728), (884, 14782), (897, 14827), (915, 14899), (921, 14923), (929, 14968), (933, 14986), (945, 15061), (950, 15094), (959, 15136), (973, 15214), (978, 15229), (981, 15253), (992, 15409), (993, 15421), (994, 15427),

Gene: Stagni_27 Start: 15981, Stop: 19007, Start Num: 35

Candidate Starts for Stagni_27:

(29, 15927), (Start: 35 @15981 has 84 MA's), (57, 16095), (79, 16161), (81, 16164), (85, 16173), (97, 16209), (113, 16260), (141, 16332), (174, 16404), (218, 16524), (220, 16527), (243, 16596), (260, 16641), (299, 16734), (305, 16743), (311, 16761), (321, 16788), (337, 16851), (341, 16863), (349, 16896), (353, 16914), (366, 16980), (367, 16983), (369, 16989), (373, 17004), (376, 17013), (378, 17025), (380, 17034), (397, 17127), (425, 17244), (426, 17247), (430, 17274), (432, 17286), (447, 17340), (453, 17361), (468, 17427), (472, 17454), (501, 17559), (520, 17607), (538, 17652), (570, 17700), (581, 17742), (582, 17751), (593, 17781), (594, 17784), (597, 17796), (618, 17853), (623, 17859), (644, 17880), (648, 17883), (706, 18021), (712, 18033), (743, 18093), (765, 18153), (774, 18183), (775, 18186), (777, 18195), (808, 18288), (828, 18378), (852, 18444), (855, 18456), (877, 18498), (894, 18561), (914, 18618), (927, 18687), (936, 18723), (950, 18804), (980, 18939),

Gene: StarStuff_29 Start: 16508, Stop: 19021, Start Num: 120

Candidate Starts for StarStuff_29:

(Start: 120 @16508 has 91 MA's), (203, 16688), (205, 16691), (321, 16937), (336, 16997), (341, 17012), (348, 17042), (349, 17045), (366, 17129), (373, 17153), (379, 17177), (383, 17204), (384, 17207), (425, 17393), (429, 17420), (432, 17435), (447, 17489), (453, 17510), (468, 17576), (470, 17594), (472, 17603), (498, 17702), (508, 17735), (515, 17744), (538, 17801), (546, 17816), (590, 17921), (648, 18032), (654, 18044), (657, 18050), (666, 18083), (723, 18203), (774, 18332), (778, 18347), (788, 18377), (792, 18389), (803, 18425), (842, 18539), (856, 18551), (879, 18593), (945, 18800), (948, 18818), (949, 18821), (989, 19007),

Gene: Stasia_26 Start: 16324, Stop: 18924, Start Num: 165

Candidate Starts for Stasia_26:

(Start: 165 @16324 has 118 MA's), (Start: 223 @16465 has 23 MA's), (291, 16729), (298, 16759), (310, 16789), (315, 16804), (327, 16858), (333, 16876), (341, 16903), (356, 16966), (380, 17074), (519, 17494), (533, 17518), (566, 17563), (568, 17572), (686, 17848), (732, 17962), (749, 18013), (765, 18061), (775, 18094), (785, 18127), (791, 18145), (828, 18292), (836, 18310), (882, 18436), (913, 18526), (931, 18619), (944, 18691), (946, 18700), (951, 18724), (958, 18760), (960, 18769), (965, 18805), (980, 18856), (986, 18904),

Gene: SteMason_25 Start: 15885, Stop: 18485, Start Num: 165

Candidate Starts for SteMason_25:

(Start: 165 @15885 has 118 MA's), (Start: 223 @16026 has 23 MA's), (Start: 228 @16044 has 10 MA's), (278, 16251), (291, 16290), (298, 16320), (333, 16437), (341, 16464), (356, 16527), (369, 16590), (380, 16635), (387, 16677), (405, 16761), (506, 17028), (533, 17079), (566, 17124), (595,

17202), (610, 17235), (612, 17241), (619, 17262), (686, 17409), (695, 17430), (704, 17454), (731, 17520), (749, 17574), (765, 17622), (785, 17688), (828, 17853), (836, 17871), (882, 17997), (943, 18249), (944, 18252), (946, 18261), (958, 18321), (980, 18417), (986, 18465),

Gene: Steamy_27 Start: 17182, Stop: 20196, Start Num: 26

Candidate Starts for Steamy_27:

(18, 17137), (Start: 26 @17182 has 5 MA's), (44, 17305), (Start: 51 @17359 has 33 MA's), (53, 17362), (54, 17371), (98, 17506), (104, 17527), (136, 17602), (160, 17674), (182, 17716), (218, 17812), (220, 17815), (265, 17941), (301, 18028), (309, 18046), (310, 18049), (336, 18139), (337, 18142), (341, 18154), (348, 18184), (353, 18205), (367, 18274), (380, 18325), (383, 18346), (398, 18427), (419, 18496), (425, 18535), (432, 18577), (438, 18595), (447, 18631), (453, 18652), (468, 18718), (469, 18727), (470, 18736), (472, 18745), (481, 18790), (492, 18820), (505, 18868), (538, 18943), (570, 18991), (590, 19063), (605, 19108), (611, 19123), (618, 19144), (644, 19171), (658, 19195), (660, 19204), (712, 19324), (743, 19384), (752, 19411), (774, 19474), (788, 19519), (817, 19615), (834, 19669), (864, 19720), (873, 19744), (877, 19753), (906, 19816), (930, 19906), (931, 19909), (949, 19993), (981, 20134),

Gene: StepMih_27 Start: 15972, Stop: 18998, Start Num: 35

Candidate Starts for StepMih_27:

(29, 15918), (Start: 35 @15972 has 84 MA's), (57, 16086), (79, 16152), (81, 16155), (85, 16164), (97, 16200), (113, 16251), (141, 16323), (174, 16395), (218, 16515), (220, 16518), (243, 16587), (260, 16632), (299, 16725), (305, 16734), (311, 16752), (321, 16779), (337, 16842), (341, 16854), (349, 16887), (353, 16905), (366, 16971), (367, 16974), (369, 16980), (373, 16995), (376, 17004), (378, 17016), (380, 17025), (397, 17118), (425, 17235), (426, 17238), (430, 17265), (432, 17277), (447, 17331), (453, 17352), (468, 17418), (472, 17445), (501, 17550), (520, 17598), (538, 17643), (570, 17691), (581, 17733), (582, 17742), (593, 17772), (594, 17775), (597, 17787), (618, 17844), (623, 17850), (644, 17871), (648, 17874), (706, 18012), (712, 18024), (743, 18084), (765, 18144), (774, 18174), (775, 18177), (777, 18186), (808, 18279), (828, 18369), (852, 18435), (855, 18447), (877, 18489), (894, 18552), (914, 18609), (927, 18678), (936, 18714), (950, 18795), (980, 18930),

Gene: Stephig9_22 Start: 14527, Stop: 17604, Start Num: 14

Candidate Starts for Stephig9_22:

(Start: 14 @14527 has 12 MA's), (22, 14611), (48, 14779), (50, 14803), (76, 14851), (113, 14971), (138, 15043), (191, 15193), (192, 15196), (198, 15202), (291, 15388), (310, 15448), (312, 15454), (331, 15520), (339, 15547), (342, 15562), (355, 15613), (356, 15616), (362, 15649), (369, 15682), (408, 15850), (464, 16033), (473, 16057), (495, 16105), (506, 16126), (507, 16129), (572, 16273), (587, 16330), (601, 16360), (616, 16399), (653, 16471), (662, 16501), (712, 16600), (725, 16630), (742, 16675), (753, 16708), (808, 16873), (812, 16894), (815, 16906), (839, 16987), (852, 17014), (872, 17077), (880, 17101), (889, 17131), (902, 17164), (912, 17197), (925, 17257), (930, 17284), (949, 17383), (950, 17389), (967, 17479), (976, 17500), (982, 17539), (991, 17587),

Gene: StewieG_23 Start: 16171, Stop: 18642, Start Num: 167

Candidate Starts for StewieG_23:

(Start: 167 @16171 has 215 MA's), (181, 16210), (211, 16273), (Start: 223 @16303 has 23 MA's), (229, 16324), (233, 16345), (273, 16375), (280, 16399), (303, 16465), (356, 16663), (362, 16696), (378, 16762), (440, 17017), (453, 17038), (460, 17065), (549, 17224), (575, 17260), (610, 17353), (617, 17374), (642, 17431), (687, 17551), (703, 17587), (718, 17617), (732, 17653), (757, 17719), (765, 17740), (808, 17881), (848, 18022), (857, 18043), (901, 18178), (937, 18355), (958, 18466), (970, 18532), (975, 18553), (982, 18592), (984, 18607),

Gene: Stink_26 Start: 16165, Stop: 18765, Start Num: 165

Candidate Starts for Stink_26:

(Start: 165 @16165 has 118 MA's), (Start: 234 @16348 has 1 MA's), (271, 16507), (284, 16555), (333, 16717), (338, 16735), (356, 16807), (380, 16915), (395, 16999), (471, 17248), (519, 17335), (533, 17359), (566, 17404), (610, 17515), (612, 17521), (669, 17653), (686, 17689), (695, 17710), (705, 17737), (730, 17794), (749, 17854), (785, 17968), (828, 18133), (836, 18151), (859, 18220), (882, 18277), (932, 18466), (944, 18532), (946, 18541), (958, 18601), (960, 18610), (965, 18646), (972, 18664), (980, 18697), (986, 18745),

Gene: StrongArm_23 Start: 17348, Stop: 19819, Start Num: 167

Candidate Starts for StrongArm_23:

(Start: 167 @17348 has 215 MA's), (181, 17387), (211, 17450), (Start: 223 @17480 has 23 MA's), (229, 17501), (233, 17522), (236, 17534), (273, 17552), (280, 17576), (288, 17597), (303, 17642), (356, 17840), (362, 17873), (378, 17939), (440, 18194), (453, 18215), (460, 18242), (549, 18401), (575, 18437), (610, 18530), (617, 18551), (642, 18608), (687, 18728), (703, 18764), (718, 18794), (732, 18830), (757, 18896), (765, 18917), (808, 19058), (848, 19199), (857, 19220), (901, 19355), (937, 19532), (958, 19643), (975, 19730), (982, 19769), (986, 19799),

Gene: Strosahl_28 Start: 15884, Stop: 18073, Start Num: 188

Candidate Starts for Strosahl_28:

(Start: 129 @15707 has 2 MA's), (Start: 134 @15716 has 4 MA's), (Start: 188 @15884 has 18 MA's), (310, 16127), (312, 16133), (332, 16202), (347, 16259), (380, 16403), (387, 16445), (396, 16493), (397, 16496), (428, 16607), (431, 16625), (473, 16730), (495, 16778), (563, 16883), (585, 16943), (611, 16997), (633, 17033), (646, 17057), (648, 17066), (671, 17129), (685, 17150), (692, 17165), (705, 17189), (710, 17201), (741, 17255), (746, 17276), (761, 17306), (833, 17477), (839, 17498), (872, 17582), (950, 17885), (980, 18008), (981, 18020),

Gene: Sultana_25 Start: 15886, Stop: 18486, Start Num: 165

Candidate Starts for Sultana_25:

(Start: 165 @15886 has 118 MA's), (Start: 223 @16027 has 23 MA's), (Start: 228 @16045 has 10 MA's), (278, 16252), (291, 16291), (298, 16321), (333, 16438), (341, 16465), (356, 16528), (369, 16591), (380, 16636), (387, 16678), (405, 16762), (506, 17029), (533, 17080), (566, 17125), (595, 17203), (610, 17236), (612, 17242), (619, 17263), (686, 17410), (695, 17431), (704, 17455), (731, 17521), (749, 17575), (765, 17623), (785, 17689), (828, 17854), (836, 17872), (882, 17998), (943, 18250), (944, 18253), (946, 18262), (958, 18322), (980, 18418), (986, 18466),

Gene: Sumter_23 Start: 15910, Stop: 18390, Start Num: 167

Candidate Starts for Sumter_23:

(Start: 167 @15910 has 215 MA's), (181, 15949), (211, 16012), (Start: 223 @16042 has 23 MA's), (233, 16084), (327, 16291), (333, 16309), (356, 16399), (369, 16462), (376, 16486), (378, 16498), (387, 16549), (537, 16933), (592, 17035), (606, 17074), (614, 17101), (623, 17125), (718, 17353), (757, 17455), (765, 17476), (770, 17488), (777, 17518), (808, 17617), (823, 17680), (892, 17899), (903, 17932), (958, 18214), (975, 18301), (982, 18340), (984, 18355),

Gene: Sunhee_25 Start: 15794, Stop: 18205, Start Num: 209

Candidate Starts for Sunhee_25:

(Start: 209 @15794 has 7 MA's), (Start: 215 @15812 has 5 MA's), (226, 15845), (255, 15947), (264, 15989), (278, 16043), (315, 16157), (327, 16211), (341, 16256), (356, 16319), (362, 16352), (383, 16448), (442, 16673), (510, 16832), (533, 16871), (539, 16886), (568, 16925), (615, 17051), (641, 17111), (705, 17267), (745, 17333), (754, 17357), (772, 17408), (791, 17468), (798, 17501), (812, 17546), (815, 17555), (828, 17612), (863, 17687), (868, 17699), (878, 17723), (898, 17777), (905, 17795), (936, 17936), (948, 18005), (981, 18146),

Gene: Sunshine924_23 Start: 15894, Stop: 18374, Start Num: 167

Candidate Starts for Sunshine924_23:

(Start: 167 @15894 has 215 MA's), (181, 15933), (211, 15996), (Start: 223 @16026 has 23 MA's), (233, 16068), (327, 16275), (333, 16293), (356, 16383), (369, 16446), (376, 16470), (378, 16482), (387, 16533), (537, 16917), (592, 17019), (606, 17058), (614, 17085), (623, 17109), (672, 17238), (718, 17337), (757, 17439), (765, 17460), (770, 17472), (777, 17502), (808, 17601), (823, 17664), (892, 17883), (903, 17916), (958, 18198), (975, 18285), (982, 18324), (984, 18339),

Gene: SuperAwesome_29 Start: 16728, Stop: 18932, Start Num: 128

Candidate Starts for SuperAwesome_29:

(69, 16569), (107, 16683), (Start: 128 @16728 has 47 MA's), (175, 16839), (176, 16845), (Start: 223 @16953 has 23 MA's), (233, 16995), (284, 17061), (316, 17154), (325, 17181), (356, 17304), (362, 17337), (382, 17427), (395, 17496), (473, 17739), (577, 17877), (670, 17997), (773, 18150), (808, 18213), (819, 18255), (852, 18354), (857, 18375), (864, 18396), (872, 18417), (888, 18468), (892, 18480), (899, 18495), (919, 18576), (935, 18654),

Gene: SuperCallie99_29 Start: 16727, Stop: 18931, Start Num: 128

Candidate Starts for SuperCallie99_29:

(69, 16568), (107, 16682), (Start: 128 @16727 has 47 MA's), (175, 16838), (176, 16844), (Start: 223 @16952 has 23 MA's), (233, 16994), (304, 17117), (316, 17153), (325, 17180), (356, 17303), (362, 17336), (382, 17426), (395, 17495), (473, 17738), (577, 17876), (670, 17996), (773, 18149), (808, 18212), (819, 18254), (852, 18353), (857, 18374), (864, 18395), (872, 18416), (888, 18467), (892, 18479), (899, 18494), (919, 18575), (935, 18653),

Gene: Superchunk_25 Start: 15270, Stop: 17795, Start Num: 117

Candidate Starts for Superchunk_25:

(Start: 117 @15270 has 5 MA's), (124, 15288), (175, 15393), (200, 15459), (203, 15462), (205, 15465), (265, 15585), (305, 15666), (321, 15711), (341, 15786), (352, 15828), (362, 15882), (366, 15903), (376, 15936), (380, 15957), (383, 15978), (384, 15981), (425, 16167), (429, 16194), (432, 16209), (447, 16263), (453, 16284), (468, 16350), (538, 16575), (546, 16590), (568, 16617), (569, 16620), (590, 16695), (597, 16719), (598, 16722), (605, 16740), (644, 16803), (648, 16806), (662, 16845), (666, 16857), (706, 16944), (712, 16956), (743, 17016), (744, 17019), (753, 17043), (763, 17073), (774, 17106), (817, 17247), (842, 17313), (881, 17376), (945, 17574), (949, 17595), (962, 17670), (977, 17706), (988, 17781),

Gene: Swann_21 Start: 12124, Stop: 15471, Start Num: 15

Candidate Starts for Swann_21:

(Start: 15 @12124 has 35 MA's), (17, 12142), (31, 12265), (37, 12286), (42, 12307), (47, 12337), (94, 12451), (107, 12499), (126, 12547), (127, 12556), (Start: 159 @12631 has 1 MA's), (173, 12652), (180, 12673), (183, 12679), (197, 12727), (232, 12799), (245, 12838), (251, 12847), (276, 12901), (294, 12955), (296, 12961), (312, 13000), (323, 13033), (333, 13072), (348, 13129), (373, 13240), (378, 13261), (380, 13270), (387, 13312), (397, 13363), (399, 13375), (420, 13447), (421, 13450), (432, 13522), (435, 13531), (441, 13555), (448, 13579), (450, 13588), (452, 13594), (453, 13597), (456, 13606), (458, 13618), (467, 13660), (472, 13690), (477, 13714), (481, 13735), (489, 13759), (504, 13804), (522, 13855), (528, 13867), (531, 13870), (538, 13888), (546, 13903), (577, 13954), (590, 14008), (652, 14131), (661, 14158), (670, 14182), (684, 14209), (700, 14245), (713, 14275), (750, 14359), (776, 14440), (790, 14485), (792, 14497), (793, 14506), (795, 14515), (798, 14521), (799, 14527), (808, 14548), (837, 14662), (842, 14683), (865, 14728), (884, 14782), (897, 14827), (915, 14899), (921, 14923), (929, 14968), (933, 14986), (945, 15061), (950, 15094), (959, 15136), (973, 15214), (978, 15229), (981, 15253), (992, 15409), (993, 15421), (994, 15427),

Gene: SweetiePie_26 Start: 16547, Stop: 19084, Start Num: 120

Candidate Starts for SweetiePie_26:

(Start: 120 @16547 has 91 MA's), (200, 16724), (203, 16727), (205, 16730), (216, 16760), (292, 16898), (296, 16919), (299, 16928), (309, 16949), (321, 16982), (336, 17042), (341, 17057), (353,

17108), (363, 17156), (366, 17174), (376, 17207), (378, 17219), (379, 17222), (380, 17228), (383, 17249), (384, 17252), (401, 17339), (425, 17438), (432, 17480), (435, 17489), (438, 17498), (450, 17546), (453, 17555), (468, 17621), (475, 17660), (538, 17846), (546, 17861), (570, 17894), (582, 17945), (590, 17966), (595, 17981), (597, 17990), (602, 18005), (644, 18074), (712, 18227), (723, 18248), (774, 18377), (788, 18422), (792, 18434), (803, 18470), (881, 18650), (887, 18659), (928, 18770), (935, 18800), (949, 18884),

Gene: SwirlSquare_27 Start: 15443, Stop: 17965, Start Num: 117

Candidate Starts for SwirlSquare_27:

(Start: 117 @15443 has 5 MA's), (124, 15461), (175, 15566), (203, 15635), (205, 15638), (296, 15821), (321, 15884), (328, 15917), (341, 15959), (366, 16076), (376, 16109), (379, 16124), (380, 16130), (383, 16151), (384, 16154), (425, 16340), (429, 16367), (432, 16382), (447, 16436), (453, 16457), (468, 16523), (538, 16748), (546, 16763), (570, 16796), (586, 16859), (590, 16868), (597, 16892), (598, 16895), (605, 16913), (618, 16949), (644, 16976), (648, 16979), (662, 17018), (666, 17030), (667, 17033), (706, 17117), (743, 17189), (753, 17216), (763, 17246), (774, 17279), (803, 17372), (842, 17486), (881, 17549), (945, 17747), (949, 17768), (962, 17843),

Gene: Swirley_22 Start: 15214, Stop: 18558, Start Num: 1

Candidate Starts for Swirley_22:

(Start: 1 @15214 has 39 MA's), (32, 15652), (Start: 129 @15964 has 2 MA's), (152, 16042), (Start: 161 @16072 has 8 MA's), (184, 16129), (221, 16213), (236, 16276), (240, 16282), (310, 16402), (336, 16492), (337, 16495), (356, 16570), (365, 16615), (369, 16633), (372, 16645), (380, 16678), (383, 16699), (429, 16891), (484, 17029), (507, 17077), (554, 17155), (556, 17158), (582, 17254), (595, 17281), (608, 17317), (610, 17329), (634, 17386), (722, 17578), (731, 17608), (742, 17632), (745, 17644), (768, 17707), (808, 17830), (812, 17851), (819, 17872), (843, 17950), (852, 17971), (864, 18013), (872, 18034), (902, 18121), (911, 18151), (925, 18214), (928, 18232), (943, 18313), (946, 18325), (948, 18337), (950, 18346), (961, 18400), (979, 18484), (983, 18523),

Gene: SwissCheese_24 Start: 16366, Stop: 18837, Start Num: 167

Candidate Starts for SwissCheese_24:

(Start: 167 @16366 has 215 MA's), (181, 16405), (211, 16468), (Start: 223 @16498 has 23 MA's), (229, 16519), (233, 16540), (236, 16552), (273, 16570), (303, 16660), (356, 16858), (362, 16891), (378, 16957), (440, 17212), (453, 17233), (460, 17260), (549, 17419), (575, 17455), (610, 17548), (617, 17569), (642, 17626), (687, 17746), (703, 17782), (718, 17812), (732, 17848), (757, 17914), (765, 17935), (808, 18076), (848, 18217), (857, 18238), (901, 18373), (937, 18550), (958, 18661), (965, 18703), (975, 18748), (982, 18787),

Gene: Switzer_25 Start: 16505, Stop: 18973, Start Num: 167

Candidate Starts for Switzer_25:

(Start: 167 @16505 has 215 MA's), (174, 16520), (Start: 223 @16634 has 23 MA's), (229, 16655), (233, 16676), (273, 16706), (280, 16730), (288, 16751), (303, 16796), (356, 16994), (362, 17027), (378, 17093), (440, 17348), (453, 17369), (460, 17396), (549, 17555), (575, 17591), (610, 17684), (617, 17705), (623, 17720), (630, 17741), (632, 17744), (659, 17813), (672, 17849), (687, 17882), (703, 17918), (718, 17948), (732, 17984), (757, 18050), (765, 18071), (777, 18113), (808, 18212), (848, 18353), (857, 18374), (901, 18509), (937, 18686), (958, 18797), (975, 18884), (982, 18923), (986, 18953),

Gene: Switzerland_28 Start: 16038, Stop: 18224, Start Num: 188

Candidate Starts for Switzerland_28:

(Start: 129 @15861 has 2 MA's), (Start: 134 @15870 has 4 MA's), (Start: 188 @16038 has 18 MA's), (310, 16278), (312, 16284), (332, 16353), (347, 16410), (380, 16554), (387, 16596), (396, 16644), (397, 16647), (428, 16758), (431, 16776), (473, 16881), (495, 16929), (563, 17034), (585, 17094), (611, 17148), (633, 17184), (646, 17208), (648, 17217), (671, 17280), (685, 17301), (692, 17316),

(705, 17340), (710, 17352), (741, 17406), (746, 17427), (761, 17457), (833, 17628), (839, 17649), (872, 17733), (950, 18036), (980, 18159), (981, 18171),

Gene: Swole_26 Start: 16832, Stop: 19303, Start Num: 167

Candidate Starts for Swole_26:

(Start: 167 @16832 has 215 MA's), (181, 16871), (211, 16934), (Start: 223 @16964 has 23 MA's), (229, 16985), (233, 17006), (236, 17018), (273, 17036), (303, 17126), (356, 17324), (362, 17357), (378, 17423), (440, 17678), (453, 17699), (460, 17726), (549, 17885), (575, 17921), (610, 18014), (617, 18035), (642, 18092), (687, 18212), (703, 18248), (718, 18278), (732, 18314), (757, 18380), (765, 18401), (808, 18542), (848, 18683), (857, 18704), (901, 18839), (937, 19016), (958, 19127), (970, 19193), (975, 19214), (982, 19253), (984, 19268),

Gene: SydNat_22 Start: 15349, Stop: 18762, Start Num: 1

Candidate Starts for SydNat_22:

(Start: 1 @15349 has 39 MA's), (4, 15409), (10, 15562), (13, 15601), (32, 15787), (86, 16015), (91, 16027), (95, 16039), (Start: 129 @16171 has 2 MA's), (152, 16249), (Start: 161 @16279 has 8 MA's), (184, 16336), (236, 16483), (240, 16489), (243, 16495), (312, 16621), (316, 16633), (356, 16783), (363, 16819), (369, 16849), (373, 16864), (380, 16894), (381, 16906), (386, 16930), (399, 16999), (423, 17065), (473, 17221), (506, 17290), (507, 17293), (524, 17320), (541, 17344), (589, 17482), (598, 17503), (614, 17548), (634, 17590), (722, 17782), (731, 17812), (742, 17836), (745, 17848), (751, 17869), (768, 17911), (794, 17998), (808, 18034), (812, 18055), (819, 18076), (843, 18154), (852, 18175), (857, 18196), (864, 18217), (872, 18238), (880, 18262), (902, 18325), (925, 18418), (928, 18436), (943, 18517), (946, 18529), (948, 18541), (950, 18550), (961, 18604), (979, 18688), (980, 18697),

Gene: TNguyen7_25 Start: 15465, Stop: 18500, Start Num: 33

Candidate Starts for TNguyen7_25:

(Start: 33 @15465 has 33 MA's), (73, 15639), (81, 15651), (92, 15684), (174, 15894), (218, 16014), (220, 16017), (299, 16221), (309, 16242), (320, 16272), (321, 16275), (337, 16338), (341, 16350), (349, 16383), (353, 16401), (367, 16470), (369, 16476), (373, 16491), (376, 16500), (378, 16512), (380, 16521), (397, 16614), (425, 16731), (426, 16734), (429, 16758), (430, 16761), (432, 16773), (447, 16827), (453, 16848), (458, 16869), (468, 16914), (472, 16941), (475, 16953), (520, 17094), (538, 17139), (546, 17154), (581, 17229), (582, 17238), (593, 17268), (597, 17283), (598, 17286), (605, 17304), (613, 17325), (614, 17328), (644, 17367), (648, 17370), (682, 17454), (712, 17520), (723, 17541), (743, 17580), (759, 17619), (765, 17640), (774, 17670), (775, 17673), (777, 17682), (784, 17706), (808, 17775), (812, 17796), (828, 17865), (836, 17883), (852, 17931), (855, 17943), (877, 17985), (880, 17997), (893, 18045), (936, 18216), (940, 18246), (946, 18276), (950, 18297), (980, 18432), (986, 18480),

Gene: TWAMP_21 Start: 12124, Stop: 15471, Start Num: 15

Candidate Starts for TWAMP_21:

(Start: 15 @12124 has 35 MA's), (17, 12142), (31, 12265), (37, 12286), (42, 12307), (47, 12337), (94, 12451), (107, 12499), (126, 12547), (127, 12556), (Start: 159 @12631 has 1 MA's), (173, 12652), (180, 12673), (183, 12679), (197, 12727), (232, 12799), (245, 12838), (251, 12847), (276, 12901), (294, 12955), (296, 12961), (312, 13000), (323, 13033), (333, 13072), (348, 13129), (373, 13240), (378, 13261), (380, 13270), (387, 13312), (397, 13363), (399, 13375), (420, 13447), (421, 13450), (432, 13522), (435, 13531), (441, 13555), (448, 13579), (450, 13588), (452, 13594), (453, 13597), (456, 13606), (458, 13618), (467, 13660), (472, 13690), (477, 13714), (481, 13735), (489, 13759), (504, 13804), (522, 13855), (528, 13867), (531, 13870), (538, 13888), (546, 13903), (577, 13954), (590, 14008), (652, 14131), (661, 14158), (670, 14182), (684, 14209), (700, 14245), (713, 14275), (750, 14359), (776, 14440), (790, 14485), (792, 14497), (793, 14506), (795, 14515), (798, 14521), (799, 14527), (808, 14548), (837, 14662), (842, 14683), (865, 14728), (884, 14782), (897, 14827), (915, 14899), (921, 14923), (929, 14968), (933, 14986), (945, 15061), (950, 15094), (959, 15136), (973,

15214), (978, 15229), (981, 15253), (992, 15409), (993, 15421), (994, 15427),

Gene: Takoda_21 Start: 12084, Stop: 15431, Start Num: 15

Candidate Starts for Takoda_21:

(Start: 15 @12084 has 35 MA's), (17, 12102), (31, 12225), (37, 12246), (42, 12267), (47, 12297), (63, 12336), (94, 12411), (126, 12507), (127, 12516), (Start: 159 @12591 has 1 MA's), (173, 12612), (180, 12633), (183, 12639), (197, 12687), (232, 12759), (245, 12798), (251, 12807), (276, 12861), (296, 12921), (312, 12960), (323, 12993), (333, 13032), (348, 13089), (373, 13200), (378, 13221), (380, 13230), (387, 13272), (397, 13323), (399, 13335), (420, 13407), (421, 13410), (432, 13482), (435, 13491), (441, 13515), (453, 13557), (456, 13566), (458, 13578), (467, 13620), (472, 13650), (481, 13695), (489, 13719), (504, 13764), (516, 13794), (522, 13815), (528, 13827), (531, 13830), (538, 13848), (546, 13863), (577, 13914), (603, 14010), (623, 14055), (627, 14064), (640, 14067), (659, 14109), (700, 14205), (713, 14235), (750, 14319), (761, 14346), (781, 14421), (793, 14466), (795, 14475), (837, 14622), (868, 14697), (884, 14742), (897, 14787), (915, 14859), (921, 14883), (929, 14928), (933, 14946), (945, 15021), (950, 15054), (959, 15096), (978, 15189), (981, 15213), (992, 15369), (994, 15387),

Gene: Taquarus_25 Start: 15888, Stop: 18488, Start Num: 165

Candidate Starts for Taquarus_25:

(Start: 165 @15888 has 118 MA's), (Start: 223 @16029 has 23 MA's), (Start: 228 @16047 has 10 MA's), (278, 16254), (291, 16293), (298, 16323), (333, 16440), (341, 16467), (356, 16530), (369, 16593), (380, 16638), (387, 16680), (405, 16764), (506, 17031), (533, 17082), (566, 17127), (595, 17205), (612, 17244), (686, 17412), (695, 17433), (704, 17457), (731, 17523), (749, 17577), (765, 17625), (785, 17691), (828, 17856), (836, 17874), (882, 18000), (943, 18252), (944, 18255), (946, 18264), (958, 18324), (980, 18420), (986, 18468),

Gene: Target_26 Start: 17225, Stop: 19837, Start Num: 167

Candidate Starts for Target_26:

(162, 17213), (Start: 167 @17225 has 215 MA's), (181, 17264), (211, 17327), (213, 17333), (Start: 223 @17357 has 23 MA's), (233, 17399), (248, 17450), (327, 17738), (333, 17756), (356, 17846), (369, 17909), (376, 17933), (378, 17945), (387, 17996), (537, 18380), (592, 18482), (606, 18521), (610, 18536), (614, 18548), (623, 18572), (718, 18800), (757, 18902), (765, 18923), (777, 18965), (808, 19064), (823, 19127), (892, 19346), (903, 19379), (958, 19661), (975, 19748), (982, 19787),

Gene: TarsusIV_26 Start: 16638, Stop: 19166, Start Num: 120

Candidate Starts for TarsusIV_26:

(Start: 120 @16638 has 91 MA's), (140, 16677), (142, 16683), (179, 16764), (186, 16779), (203, 16818), (226, 16863), (292, 16989), (296, 17010), (299, 17019), (309, 17040), (321, 17073), (341, 17148), (351, 17187), (352, 17190), (353, 17199), (357, 17220), (361, 17235), (363, 17247), (366, 17265), (376, 17298), (380, 17319), (383, 17340), (384, 17343), (425, 17529), (432, 17571), (435, 17580), (447, 17625), (453, 17646), (468, 17712), (475, 17751), (501, 17844), (538, 17937), (545, 17949), (597, 18081), (611, 18117), (623, 18144), (644, 18165), (648, 18168), (712, 18318), (723, 18339), (774, 18468), (778, 18483), (782, 18501), (803, 18561), (817, 18609), (871, 18714), (887, 18747), (908, 18771), (935, 18888), (949, 18966), (982, 19113),

Gene: Tarynearal_21 Start: 15242, Stop: 18580, Start Num: 1

Candidate Starts for Tarynearal_21:

(Start: 1 @15242 has 39 MA's), (32, 15680), (Start: 129 @15992 has 2 MA's), (152, 16070), (Start: 161 @16100 has 8 MA's), (184, 16157), (221, 16241), (236, 16304), (240, 16310), (310, 16430), (336, 16520), (337, 16523), (356, 16598), (365, 16643), (369, 16661), (380, 16706), (383, 16727), (429, 16919), (484, 17057), (507, 17105), (554, 17183), (595, 17309), (598, 17321), (608, 17345), (634, 17408), (722, 17600), (731, 17630), (742, 17654), (745, 17666), (768, 17729), (808, 17852), (812, 17873), (819, 17894), (843, 17972), (852, 17993), (864, 18035), (872, 18056), (902, 18143), (911,

18173), (925, 18236), (928, 18254), (943, 18335), (946, 18347), (948, 18359), (950, 18368), (961, 18422), (979, 18506), (983, 18545),

Gene: Tasp14_25 Start: 16593, Stop: 19064, Start Num: 167

Candidate Starts for Tasp14_25:

(Start: 167 @16593 has 215 MA's), (181, 16632), (211, 16695), (Start: 223 @16725 has 23 MA's), (229, 16746), (233, 16767), (273, 16797), (280, 16821), (303, 16887), (356, 17085), (362, 17118), (378, 17184), (440, 17439), (453, 17460), (460, 17487), (549, 17646), (575, 17682), (610, 17775), (617, 17796), (642, 17853), (687, 17973), (703, 18009), (718, 18039), (732, 18075), (757, 18141), (765, 18162), (808, 18303), (848, 18444), (857, 18465), (901, 18600), (937, 18777), (958, 18888), (970, 18954), (975, 18975), (982, 19014), (986, 19044),

Gene: Taurus_27 Start: 15978, Stop: 19004, Start Num: 35

Candidate Starts for Taurus_27:

(29, 15924), (Start: 35 @15978 has 84 MA's), (57, 16092), (79, 16158), (81, 16161), (85, 16170), (97, 16206), (113, 16257), (141, 16329), (174, 16401), (218, 16521), (220, 16524), (243, 16593), (260, 16638), (299, 16731), (305, 16740), (311, 16758), (321, 16785), (337, 16848), (341, 16860), (349, 16893), (353, 16911), (366, 16977), (367, 16980), (369, 16986), (373, 17001), (376, 17010), (378, 17022), (380, 17031), (393, 17109), (397, 17124), (425, 17241), (426, 17244), (430, 17271), (432, 17283), (447, 17337), (453, 17358), (468, 17424), (475, 17463), (501, 17556), (520, 17604), (538, 17649), (570, 17697), (581, 17739), (582, 17748), (593, 17778), (594, 17781), (597, 17793), (618, 17850), (623, 17856), (644, 17877), (648, 17880), (706, 18018), (712, 18030), (743, 18090), (763, 18147), (808, 18285), (812, 18306), (817, 18330), (828, 18375), (836, 18393), (852, 18441), (855, 18453), (877, 18495), (894, 18558), (914, 18615), (927, 18684), (936, 18720), (950, 18801), (980, 18936),

Gene: Temprado_29 Start: 16733, Stop: 18937, Start Num: 128

Candidate Starts for Temprado_29:

(69, 16574), (107, 16688), (Start: 128 @16733 has 47 MA's), (175, 16844), (233, 17000), (312, 17147), (316, 17159), (356, 17309), (362, 17342), (382, 17432), (395, 17501), (473, 17744), (577, 17882), (670, 18002), (773, 18155), (808, 18218), (819, 18260), (852, 18359), (857, 18380), (864, 18401), (872, 18422), (888, 18473), (892, 18485), (899, 18500), (919, 18581), (935, 18659),

Gene: Teodoridan_22 Start: 15736, Stop: 18207, Start Num: 167

Candidate Starts for Teodoridan_22:

(Start: 167 @15736 has 215 MA's), (181, 15775), (211, 15838), (Start: 223 @15868 has 23 MA's), (229, 15889), (233, 15910), (236, 15922), (273, 15940), (303, 16030), (356, 16228), (362, 16261), (378, 16327), (440, 16582), (453, 16603), (460, 16630), (549, 16789), (575, 16825), (610, 16918), (617, 16939), (642, 16996), (687, 17116), (703, 17152), (718, 17182), (732, 17218), (757, 17284), (765, 17305), (808, 17446), (848, 17587), (857, 17608), (901, 17743), (937, 17920), (958, 18031), (975, 18118), (982, 18157), (984, 18172),

Gene: Terrific_30 Start: 17127, Stop: 19634, Start Num: 120

Candidate Starts for Terrific_30:

(Start: 120 @17127 has 91 MA's), (175, 17238), (195, 17295), (296, 17481), (321, 17544), (328, 17577), (330, 17583), (373, 17763), (376, 17772), (380, 17793), (383, 17814), (384, 17817), (387, 17835), (398, 17895), (425, 18003), (432, 18045), (447, 18099), (453, 18120), (467, 18183), (468, 18186), (470, 18204), (475, 18225), (538, 18411), (546, 18426), (568, 18453), (582, 18510), (587, 18525), (590, 18531), (593, 18540), (595, 18546), (605, 18576), (613, 18597), (648, 18642), (651, 18648), (662, 18681), (673, 18708), (706, 18780), (712, 18792), (743, 18852), (753, 18879), (774, 18942), (788, 18987), (792, 18999), (803, 19035), (815, 19071), (822, 19104), (864, 19167), (877, 19191), (930, 19335), (949, 19434), (964, 19521), (989, 19620),

Gene: Texage_25 Start: 16044, Stop: 19082, Start Num: 33

Candidate Starts for Texage_25:

(Start: 33 @16044 has 33 MA's), (73, 16218), (81, 16230), (92, 16263), (174, 16470), (181, 16491), (218, 16590), (220, 16593), (299, 16803), (309, 16824), (321, 16857), (337, 16920), (341, 16932), (349, 16965), (353, 16983), (357, 17004), (367, 17052), (369, 17058), (373, 17073), (376, 17082), (378, 17094), (380, 17103), (397, 17196), (425, 17313), (426, 17316), (430, 17343), (432, 17355), (447, 17409), (453, 17430), (468, 17496), (475, 17535), (520, 17676), (538, 17721), (581, 17811), (582, 17820), (593, 17850), (613, 17907), (618, 17922), (644, 17949), (648, 17952), (657, 17970), (702, 18081), (743, 18162), (763, 18219), (776, 18261), (808, 18357), (812, 18378), (817, 18402), (828, 18447), (836, 18465), (852, 18513), (855, 18525), (877, 18567), (880, 18579), (893, 18627), (936, 18798), (946, 18858), (948, 18870), (955, 18897), (958, 18918), (980, 19014), (986, 19062),

Gene: Thanksgivukkah_25 Start: 15889, Stop: 18489, Start Num: 165

Candidate Starts for Thanksgivukkah_25:

(Start: 165 @15889 has 118 MA's), (Start: 223 @16030 has 23 MA's), (Start: 228 @16048 has 10 MA's), (278, 16255), (291, 16294), (298, 16324), (333, 16441), (341, 16468), (356, 16531), (369, 16594), (380, 16639), (387, 16681), (405, 16765), (506, 17032), (533, 17083), (566, 17128), (595, 17206), (610, 17239), (612, 17245), (619, 17266), (686, 17413), (695, 17434), (704, 17458), (731, 17524), (749, 17578), (765, 17626), (785, 17692), (828, 17857), (836, 17875), (882, 18001), (943, 18253), (944, 18256), (946, 18265), (958, 18325), (980, 18421), (986, 18469),

Gene: Theia_20 Start: 15180, Stop: 18518, Start Num: 1

Candidate Starts for Theia_20:

(Start: 1 @15180 has 39 MA's), (32, 15618), (Start: 129 @15930 has 2 MA's), (145, 15972), (152, 16008), (Start: 161 @16038 has 8 MA's), (184, 16095), (221, 16179), (236, 16242), (240, 16248), (304, 16350), (310, 16368), (337, 16461), (356, 16536), (365, 16581), (369, 16599), (380, 16644), (383, 16665), (429, 16857), (458, 16917), (484, 16995), (507, 17043), (554, 17121), (595, 17247), (598, 17259), (608, 17283), (634, 17346), (722, 17538), (731, 17568), (742, 17592), (745, 17604), (768, 17667), (808, 17790), (812, 17811), (819, 17832), (843, 17910), (852, 17931), (864, 17973), (872, 17994), (883, 18030), (902, 18081), (911, 18111), (925, 18174), (928, 18192), (943, 18273), (946, 18285), (948, 18297), (950, 18306), (961, 18360), (979, 18444), (983, 18483),

Gene: TheloniousMonk_26 Start: 17647, Stop: 20478, Start Num: 169

Candidate Starts for TheloniousMonk_26:

(Start: 169 @17647 has 9 MA's), (174, 17662), (192, 17716), (300, 17959), (305, 17974), (319, 18019), (346, 18139), (350, 18157), (358, 18205), (366, 18250), (378, 18295), (379, 18298), (387, 18346), (429, 18529), (436, 18556), (458, 18640), (473, 18697), (480, 18715), (493, 18760), (504, 18796), (514, 18856), (534, 18904), (560, 18967), (561, 18970), (592, 19087), (604, 19123), (610, 19150), (614, 19162), (620, 19180), (626, 19195), (650, 19258), (697, 19387), (715, 19432), (725, 19465), (729, 19477), (802, 19702), (827, 19789), (828, 19792), (836, 19810), (901, 20014), (937, 20191), (958, 20302), (975, 20389), (982, 20428), (984, 20443),

Gene: Thor_24 Start: 16468, Stop: 18939, Start Num: 167

Candidate Starts for Thor_24:

(Start: 167 @16468 has 215 MA's), (181, 16507), (211, 16570), (Start: 223 @16600 has 23 MA's), (229, 16621), (233, 16642), (273, 16672), (280, 16696), (288, 16717), (303, 16762), (356, 16960), (362, 16993), (378, 17059), (440, 17314), (453, 17335), (460, 17362), (462, 17377), (471, 17401), (533, 17488), (549, 17521), (575, 17557), (610, 17650), (617, 17671), (623, 17686), (630, 17707), (632, 17710), (659, 17779), (672, 17815), (687, 17848), (703, 17884), (718, 17914), (732, 17950), (757, 18016), (765, 18037), (808, 18178), (848, 18319), (857, 18340), (901, 18475), (923, 18571), (937, 18652), (958, 18763), (975, 18850), (982, 18889), (984, 18904),

Gene: Tiffany_27 Start: 15873, Stop: 18899, Start Num: 35

Candidate Starts for Tiffany_27:

(29, 15819), (Start: 35 @15873 has 84 MA's), (57, 15987), (79, 16053), (81, 16056), (85, 16065), (97, 16101), (113, 16152), (141, 16224), (174, 16296), (218, 16416), (220, 16419), (243, 16488), (260, 16533), (299, 16626), (305, 16635), (311, 16653), (321, 16680), (337, 16743), (341, 16755), (349, 16788), (353, 16806), (366, 16872), (367, 16875), (369, 16881), (373, 16896), (376, 16905), (378, 16917), (380, 16926), (393, 17004), (397, 17019), (425, 17136), (426, 17139), (430, 17166), (432, 17178), (447, 17232), (453, 17253), (468, 17319), (475, 17358), (501, 17451), (520, 17499), (538, 17544), (570, 17592), (581, 17634), (582, 17643), (593, 17673), (594, 17676), (597, 17688), (618, 17745), (623, 17751), (644, 17772), (648, 17775), (706, 17913), (712, 17925), (743, 17985), (763, 18042), (808, 18180), (812, 18201), (817, 18225), (828, 18270), (836, 18288), (852, 18336), (855, 18348), (877, 18390), (894, 18453), (914, 18510), (927, 18579), (936, 18615), (950, 18696), (980, 18831),

Gene: Tiger_22 Start: 15067, Stop: 18402, Start Num: 1

Candidate Starts for Tiger_22:

(Start: 1 @15067 has 39 MA's), (32, 15505), (Start: 129 @15817 has 2 MA's), (152, 15895), (Start: 161 @15925 has 8 MA's), (184, 15982), (221, 16066), (236, 16129), (240, 16135), (310, 16255), (336, 16345), (337, 16348), (356, 16423), (369, 16486), (380, 16531), (383, 16552), (429, 16744), (471, 16849), (484, 16882), (507, 16930), (554, 17008), (556, 17011), (582, 17107), (595, 17134), (608, 17170), (634, 17230), (722, 17422), (731, 17452), (742, 17476), (745, 17488), (768, 17551), (808, 17674), (812, 17695), (819, 17716), (843, 17794), (852, 17815), (864, 17857), (872, 17878), (902, 17965), (911, 17995), (925, 18058), (928, 18076), (943, 18157), (946, 18169), (948, 18181), (950, 18190), (961, 18244), (979, 18328), (980, 18337), (983, 18367),

Gene: Timothy_26 Start: 17157, Stop: 19703, Start Num: 125

Candidate Starts for Timothy_26:

(Start: 125 @17157 has 22 MA's), (Start: 131 @17175 has 2 MA's), (Start: 188 @17349 has 18 MA's), (192, 17358), (233, 17433), (308, 17541), (313, 17556), (314, 17559), (321, 17577), (337, 17640), (341, 17652), (356, 17715), (369, 17778), (373, 17793), (376, 17802), (380, 17823), (384, 17847), (387, 17862), (408, 17949), (410, 17952), (416, 17967), (422, 17988), (424, 18000), (440, 18066), (458, 18108), (462, 18129), (464, 18138), (473, 18162), (503, 18243), (506, 18252), (510, 18264), (522, 18306), (562, 18363), (580, 18417), (618, 18525), (638, 18564), (698, 18705), (742, 18801), (746, 18822), (760, 18855), (773, 18888), (774, 18891), (807, 18975), (819, 19020), (820, 19023), (854, 19137), (864, 19170), (888, 19242), (902, 19278), (919, 19350), (935, 19428), (944, 19482), (949, 19506), (976, 19617),

Gene: Timshel_26 Start: 17496, Stop: 20864, Start Num: 36

Candidate Starts for Timshel_26:

(Start: 36 @17496 has 4 MA's), (58, 17625), (72, 17679), (87, 17721), (135, 17883), (178, 18033), (218, 18135), (250, 18270), (309, 18468), (328, 18534), (336, 18561), (337, 18564), (341, 18576), (356, 18639), (357, 18648), (362, 18672), (369, 18702), (380, 18747), (384, 18771), (418, 18915), (425, 18957), (429, 18984), (432, 18999), (443, 19038), (447, 19053), (453, 19074), (466, 19131), (468, 19140), (469, 19149), (485, 19224), (505, 19290), (540, 19368), (575, 19422), (590, 19485), (595, 19500), (605, 19530), (610, 19542), (611, 19545), (617, 19563), (623, 19572), (628, 19587), (635, 19605), (648, 19638), (657, 19656), (679, 19719), (708, 19785), (712, 19794), (713, 19797), (717, 19806), (718, 19809), (721, 19818), (722, 19827), (731, 19860), (736, 19872), (745, 19896), (753, 19926), (777, 20004), (780, 20016), (782, 20025), (784, 20028), (788, 20037), (790, 20046), (812, 20124), (817, 20148), (828, 20193), (836, 20211), (853, 20268), (858, 20286), (866, 20310), (869, 20319), (877, 20340), (882, 20361), (885, 20373), (891, 20394), (904, 20433), (911, 20466), (928, 20547), (936, 20580), (944, 20631), (948, 20652), (954, 20676), (964, 20742), (968, 20757), (969, 20763),

Gene: TinaFeyge_25 Start: 16023, Stop: 18482, Start Num: 223

Candidate Starts for TinaFeyge_25:

(Start: 165 @15882 has 118 MA's), (Start: 223 @16023 has 23 MA's), (Start: 228 @16041 has 10 MA's), (256, 16155), (278, 16248), (291, 16287), (298, 16317), (333, 16434), (341, 16461), (356, 16524), (369, 16587), (380, 16632), (387, 16674), (405, 16758), (506, 17025), (533, 17076), (566, 17121), (595, 17199), (612, 17238), (619, 17259), (686, 17406), (695, 17427), (704, 17451), (730, 17511), (731, 17517), (732, 17520), (749, 17571), (765, 17619), (785, 17685), (828, 17850), (836, 17868), (882, 17994), (943, 18246), (944, 18249), (946, 18258), (958, 18318), (980, 18414), (986, 18462),

Gene: TinyPebbles_27 Start: 16062, Stop: 19088, Start Num: 35

Candidate Starts for TinyPebbles_27:

(29, 16008), (Start: 35 @16062 has 84 MA's), (57, 16176), (79, 16242), (81, 16245), (85, 16254), (97, 16290), (113, 16341), (141, 16413), (174, 16485), (218, 16605), (220, 16608), (243, 16677), (260, 16722), (299, 16815), (305, 16824), (311, 16842), (321, 16869), (337, 16932), (341, 16944), (349, 16977), (353, 16995), (366, 17061), (367, 17064), (369, 17070), (373, 17085), (376, 17094), (378, 17106), (380, 17115), (393, 17193), (397, 17208), (425, 17325), (426, 17328), (430, 17355), (432, 17367), (447, 17421), (453, 17442), (468, 17508), (475, 17547), (501, 17640), (520, 17688), (538, 17733), (570, 17781), (581, 17823), (582, 17832), (593, 17862), (594, 17865), (597, 17877), (618, 17934), (623, 17940), (644, 17961), (648, 17964), (706, 18102), (712, 18114), (743, 18174), (763, 18231), (808, 18369), (812, 18390), (817, 18414), (828, 18459), (836, 18477), (852, 18525), (855, 18537), (877, 18579), (894, 18642), (914, 18699), (927, 18768), (936, 18804), (950, 18885), (980, 19020),

Gene: TinyTimmy_26 Start: 17200, Stop: 19746, Start Num: 125

Candidate Starts for TinyTimmy_26:

(Start: 125 @17200 has 22 MA's), (Start: 131 @17218 has 2 MA's), (Start: 188 @17392 has 18 MA's), (192, 17401), (233, 17476), (291, 17530), (308, 17584), (313, 17599), (314, 17602), (321, 17620), (337, 17683), (341, 17695), (356, 17758), (369, 17821), (373, 17836), (376, 17845), (380, 17866), (384, 17890), (387, 17905), (408, 17992), (410, 17995), (416, 18010), (422, 18031), (424, 18043), (440, 18109), (458, 18151), (462, 18172), (464, 18181), (473, 18205), (503, 18286), (506, 18295), (510, 18307), (522, 18349), (562, 18406), (580, 18460), (618, 18568), (638, 18607), (698, 18748), (742, 18844), (746, 18865), (760, 18898), (773, 18931), (774, 18934), (807, 19018), (819, 19063), (820, 19066), (854, 19180), (864, 19213), (888, 19285), (902, 19321), (919, 19393), (935, 19471), (944, 19525), (949, 19549), (976, 19660),

Gene: Tinybot_24 Start: 16003, Stop: 18462, Start Num: 223

Candidate Starts for Tinybot_24:

(Start: 165 @15862 has 118 MA's), (Start: 223 @16003 has 23 MA's), (Start: 228 @16021 has 10 MA's), (266, 16177), (278, 16228), (291, 16267), (298, 16297), (333, 16414), (341, 16441), (356, 16504), (369, 16567), (380, 16612), (387, 16654), (405, 16738), (462, 16921), (506, 17005), (533, 17056), (566, 17101), (595, 17179), (610, 17212), (612, 17218), (662, 17332), (686, 17386), (704, 17431), (730, 17491), (749, 17551), (785, 17665), (828, 17830), (836, 17848), (882, 17974), (943, 18226), (944, 18229), (946, 18238), (957, 18295), (958, 18298), (965, 18343), (980, 18394), (986, 18442),

Gene: TipsytheTRex_25 Start: 15744, Stop: 18260, Start Num: 120

Candidate Starts for TipsytheTRex_25:

(Start: 120 @15744 has 91 MA's), (175, 15855), (200, 15921), (203, 15924), (205, 15927), (296, 16113), (299, 16122), (305, 16131), (341, 16251), (353, 16302), (364, 16359), (367, 16371), (369, 16377), (373, 16392), (378, 16413), (380, 16422), (388, 16470), (425, 16632), (430, 16662), (432, 16674), (443, 16713), (447, 16728), (453, 16749), (466, 16806), (468, 16815), (472, 16842), (498, 16941), (538, 17040), (546, 17055), (582, 17139), (590, 17160), (605, 17205), (644, 17268), (648, 17271), (662, 17310), (666, 17322), (673, 17337), (712, 17421), (743, 17481), (753, 17508), (774,

17571), (778, 17586), (788, 17616), (817, 17712), (842, 17778), (881, 17841), (944, 18036), (945, 18039), (949, 18060), (986, 18237), (989, 18246),

Gene: TiroTheta9_25 Start: 15882, Stop: 18482, Start Num: 165

Candidate Starts for TiroTheta9_25:

(Start: 165 @15882 has 118 MA's), (Start: 223 @16023 has 23 MA's), (Start: 228 @16041 has 10 MA's), (278, 16248), (291, 16287), (298, 16317), (333, 16434), (341, 16461), (356, 16524), (369, 16587), (380, 16632), (387, 16674), (405, 16758), (471, 16965), (506, 17025), (533, 17076), (566, 17121), (595, 17199), (610, 17232), (612, 17238), (686, 17406), (695, 17427), (704, 17451), (730, 17511), (731, 17517), (732, 17520), (749, 17571), (765, 17619), (785, 17685), (828, 17850), (836, 17868), (882, 17994), (943, 18246), (944, 18249), (946, 18258), (958, 18318), (980, 18414), (986, 18462),

Gene: Toaka_25 Start: 15938, Stop: 18865, Start Num: 51

Candidate Starts for Toaka_25:

(Start: 51 @15938 has 33 MA's), (54, 15950), (62, 15980), (104, 16109), (194, 16340), (218, 16394), (265, 16523), (301, 16610), (305, 16616), (307, 16622), (341, 16736), (345, 16757), (349, 16769), (353, 16787), (362, 16832), (366, 16853), (367, 16856), (373, 16877), (378, 16898), (380, 16907), (381, 16919), (382, 16922), (390, 16967), (397, 17000), (399, 17012), (425, 17117), (447, 17213), (453, 17234), (456, 17243), (458, 17255), (463, 17279), (466, 17291), (468, 17300), (469, 17309), (475, 17339), (492, 17402), (501, 17432), (508, 17459), (590, 17645), (605, 17690), (613, 17711), (618, 17726), (623, 17732), (644, 17753), (648, 17756), (667, 17810), (694, 17864), (701, 17882), (712, 17906), (743, 17966), (774, 18056), (777, 18068), (784, 18092), (788, 18101), (808, 18167), (822, 18233), (828, 18257), (877, 18377), (909, 18470), (927, 18548), (934, 18575), (936, 18584), (941, 18623), (943, 18632), (944, 18635), (962, 18734), (980, 18788), (981, 18800), (987, 18842),

Gene: Todacoro_26 Start: 16043, Stop: 19081, Start Num: 33

Candidate Starts for Todacoro_26:

(Start: 33 @16043 has 33 MA's), (73, 16217), (81, 16229), (92, 16262), (174, 16469), (181, 16490), (218, 16589), (220, 16592), (299, 16802), (305, 16811), (309, 16823), (321, 16856), (337, 16919), (341, 16931), (349, 16964), (353, 16982), (357, 17003), (367, 17051), (369, 17057), (373, 17072), (376, 17081), (378, 17093), (380, 17102), (397, 17195), (425, 17312), (426, 17315), (430, 17342), (432, 17354), (447, 17408), (453, 17429), (468, 17495), (475, 17534), (520, 17675), (538, 17720), (581, 17810), (582, 17819), (593, 17849), (613, 17906), (618, 17921), (644, 17948), (648, 17951), (657, 17969), (702, 18080), (743, 18161), (763, 18218), (776, 18260), (808, 18356), (812, 18377), (817, 18401), (828, 18446), (836, 18464), (852, 18512), (855, 18524), (877, 18566), (880, 18578), (893, 18626), (936, 18797), (946, 18857), (948, 18869), (955, 18896), (958, 18917), (980, 19013), (986, 19061),

Gene: Tomathan_29 Start: 16508, Stop: 19021, Start Num: 120

Candidate Starts for Tomathan_29:

(Start: 120 @16508 has 91 MA's), (203, 16688), (205, 16691), (321, 16937), (336, 16997), (341, 17012), (348, 17042), (349, 17045), (366, 17129), (373, 17153), (379, 17177), (383, 17204), (384, 17207), (404, 17312), (425, 17393), (429, 17420), (432, 17435), (447, 17489), (453, 17510), (468, 17576), (470, 17594), (472, 17603), (498, 17702), (508, 17735), (515, 17744), (538, 17801), (546, 17816), (590, 17921), (597, 17945), (648, 18032), (654, 18044), (657, 18050), (666, 18083), (723, 18203), (774, 18332), (778, 18347), (788, 18377), (792, 18389), (803, 18425), (842, 18539), (856, 18551), (879, 18593), (945, 18800), (948, 18818), (949, 18821), (989, 19007),

Gene: ToneTone_27 Start: 16647, Stop: 18863, Start Num: 128

Candidate Starts for ToneTone_27:

(107, 16602), (Start: 128 @16647 has 47 MA's), (175, 16758), (233, 16914), (312, 17061), (316, 17073), (355, 17220), (356, 17223), (362, 17256), (382, 17346), (395, 17415), (419, 17490), (473,

17658), (670, 17916), (707, 17961), (773, 18069), (808, 18132), (819, 18174), (852, 18273), (857, 18294), (872, 18336), (888, 18387), (899, 18414), (919, 18495), (935, 18585),

Gene: Topanga_25 Start: 16006, Stop: 18558, Start Num: 228

Candidate Starts for Topanga_25:

(Start: 161 @15829 has 8 MA's), (Start: 228 @16006 has 10 MA's), (232, 16027), (240, 16051), (247, 16081), (248, 16084), (252, 16093), (258, 16132), (264, 16147), (267, 16171), (282, 16216), (294, 16258), (306, 16291), (309, 16300), (323, 16354), (337, 16408), (340, 16417), (344, 16441), (351, 16462), (370, 16567), (378, 16609), (547, 17131), (594, 17251), (610, 17296), (611, 17299), (612, 17302), (622, 17326), (643, 17371), (658, 17407), (670, 17446), (686, 17479), (732, 17593), (777, 17734), (785, 17758), (808, 17833), (822, 17899), (828, 17923), (836, 17941), (857, 18007), (878, 18061), (882, 18073), (888, 18088), (895, 18109), (899, 18121), (946, 18334), (954, 18370), (957, 18391), (958, 18394), (980, 18490), (986, 18538),

Gene: Topgun_24 Start: 16077, Stop: 18692, Start Num: 167

Candidate Starts for Topgun_24:

(Start: 167 @16077 has 215 MA's), (181, 16116), (211, 16179), (213, 16185), (Start: 223 @16209 has 23 MA's), (286, 16317), (341, 16488), (355, 16548), (356, 16551), (381, 16674), (387, 16704), (400, 16767), (463, 16986), (487, 17058), (512, 17106), (530, 17151), (609, 17376), (610, 17385), (623, 17421), (629, 17436), (642, 17463), (719, 17667), (762, 17781), (765, 17790), (772, 17811), (777, 17832), (808, 17931), (819, 17973), (820, 17976), (860, 18105), (888, 18189), (904, 18234), (937, 18405), (958, 18516), (975, 18603), (982, 18642), (984, 18657),

Gene: Toro_28 Start: 17560, Stop: 20943, Start Num: 36

Candidate Starts for Toro_28:

(Start: 36 @17560 has 4 MA's), (135, 17947), (151, 18004), (189, 18136), (193, 18148), (218, 18199), (254, 18346), (307, 18529), (309, 18535), (321, 18568), (324, 18580), (348, 18673), (353, 18694), (356, 18706), (388, 18862), (392, 18886), (407, 18949), (425, 19024), (432, 19066), (447, 19120), (453, 19141), (466, 19198), (467, 19204), (468, 19207), (485, 19291), (491, 19306), (498, 19333), (501, 19339), (538, 19432), (545, 19444), (546, 19447), (605, 19597), (611, 19612), (617, 19630), (628, 19654), (635, 19672), (637, 19675), (679, 19786), (706, 19849), (708, 19852), (727, 19909), (729, 19915), (745, 19963), (753, 19993), (777, 20071), (780, 20083), (782, 20092), (790, 20113), (812, 20191), (828, 20260), (836, 20278), (849, 20329), (858, 20365), (862, 20377), (874, 20410), (882, 20440), (888, 20461), (904, 20512), (911, 20545), (928, 20626), (936, 20659), (940, 20689), (948, 20731), (954, 20755), (964, 20821), (968, 20836), (969, 20842), (982, 20893),

Gene: Tote_26 Start: 16832, Stop: 19303, Start Num: 167

Candidate Starts for Tote_26:

(Start: 167 @16832 has 215 MA's), (181, 16871), (211, 16934), (Start: 223 @16964 has 23 MA's), (229, 16985), (233, 17006), (236, 17018), (273, 17036), (303, 17126), (356, 17324), (362, 17357), (378, 17423), (440, 17678), (453, 17699), (460, 17726), (549, 17885), (575, 17921), (610, 18014), (617, 18035), (642, 18092), (687, 18212), (703, 18248), (718, 18278), (732, 18314), (757, 18380), (765, 18401), (808, 18542), (848, 18683), (857, 18704), (901, 18839), (937, 19016), (958, 19127), (970, 19193), (975, 19214), (982, 19253), (984, 19268),

Gene: Traft412_26 Start: 17302, Stop: 19782, Start Num: 167

Candidate Starts for Traft412_26:

(Start: 167 @17302 has 215 MA's), (181, 17341), (202, 17386), (211, 17404), (213, 17410), (Start: 223 @17434 has 23 MA's), (233, 17476), (327, 17683), (333, 17701), (356, 17791), (369, 17854), (378, 17890), (387, 17941), (537, 18325), (592, 18427), (606, 18466), (610, 18481), (614, 18493), (623, 18517), (718, 18745), (757, 18847), (765, 18868), (777, 18910), (808, 19009), (823, 19072), (892, 19291), (903, 19324), (958, 19606), (970, 19672), (975, 19693), (982, 19732), (984, 19747),

Gene: Travvers_29 Start: 16508, Stop: 19021, Start Num: 120

Candidate Starts for Travvers_29:

(Start: 120 @16508 has 91 MA's), (203, 16688), (205, 16691), (320, 16934), (321, 16937), (336, 16997), (341, 17012), (348, 17042), (349, 17045), (366, 17129), (373, 17153), (379, 17177), (383, 17204), (384, 17207), (407, 17318), (425, 17393), (429, 17420), (432, 17435), (447, 17489), (453, 17510), (468, 17576), (470, 17594), (472, 17603), (498, 17702), (508, 17735), (515, 17744), (538, 17801), (546, 17816), (590, 17921), (648, 18032), (654, 18044), (657, 18050), (666, 18083), (667, 18086), (723, 18203), (774, 18332), (778, 18347), (788, 18377), (792, 18389), (803, 18425), (842, 18539), (856, 18551), (879, 18593), (945, 18800), (948, 18818), (949, 18821), (989, 19007),

Gene: Treddle_26 Start: 17623, Stop: 20094, Start Num: 167

Candidate Starts for Treddle_26:

(Start: 167 @17623 has 215 MA's), (181, 17662), (211, 17725), (Start: 223 @17755 has 23 MA's), (229, 17776), (233, 17797), (236, 17809), (273, 17827), (303, 17917), (356, 18115), (362, 18148), (378, 18214), (440, 18469), (453, 18490), (460, 18517), (471, 18556), (498, 18613), (533, 18643), (549, 18676), (575, 18712), (610, 18805), (617, 18826), (642, 18883), (687, 19003), (703, 19039), (718, 19069), (732, 19105), (757, 19171), (765, 19192), (777, 19234), (808, 19333), (848, 19474), (857, 19495), (923, 19726), (937, 19807), (958, 19918), (975, 20005), (982, 20044), (986, 20074),

Gene: Trike_23 Start: 13972, Stop: 16527, Start Num: 228

Candidate Starts for Trike_23:

(Start: 161 @13795 has 8 MA's), (Start: 228 @13972 has 10 MA's), (232, 13993), (247, 14047), (252, 14059), (294, 14221), (302, 14242), (306, 14254), (315, 14284), (323, 14317), (334, 14362), (340, 14380), (343, 14395), (344, 14404), (351, 14425), (370, 14530), (378, 14572), (414, 14737), (457, 14899), (547, 15103), (571, 15148), (594, 15223), (611, 15271), (612, 15274), (619, 15295), (622, 15298), (643, 15343), (670, 15418), (672, 15421), (680, 15442), (692, 15466), (722, 15532), (731, 15562), (736, 15574), (763, 15661), (770, 15676), (785, 15730), (808, 15805), (824, 15883), (828, 15895), (836, 15913), (847, 15952), (854, 15964), (857, 15976), (874, 16018), (878, 16030), (882, 16042), (888, 16057), (895, 16078), (899, 16090), (946, 16303), (958, 16363), (965, 16408), (980, 16459), (986, 16507),

Gene: Tripl3t_25 Start: 17314, Stop: 19713, Start Num: 167

Candidate Starts for Tripl3t_25:

(Start: 167 @17314 has 215 MA's), (181, 17353), (211, 17416), (Start: 223 @17446 has 23 MA's), (229, 17467), (233, 17488), (236, 17500), (246, 17518), (288, 17563), (303, 17608), (356, 17806), (362, 17839), (378, 17905), (452, 18160), (459, 18181), (464, 18208), (483, 18247), (537, 18304), (567, 18334), (645, 18496), (711, 18649), (718, 18661), (726, 18676), (763, 18793), (777, 18838), (782, 18859), (784, 18862), (823, 19012), (828, 19027), (848, 19093), (864, 19135), (923, 19345), (937, 19426), (958, 19537), (975, 19624), (982, 19663), (986, 19693),

Gene: Tristan_27 Start: 18372, Stop: 20768, Start Num: 209

Candidate Starts for Tristan_27:

(Start: 209 @18372 has 7 MA's), (Start: 215 @18390 has 5 MA's), (226, 18423), (229, 18429), (255, 18525), (264, 18567), (283, 18630), (284, 18633), (315, 18723), (319, 18738), (326, 18768), (327, 18777), (338, 18813), (341, 18822), (356, 18885), (362, 18918), (373, 18963), (378, 18984), (380, 18993), (399, 19098), (442, 19239), (517, 19407), (519, 19413), (532, 19434), (533, 19437), (568, 19485), (571, 19491), (631, 19653), (641, 19671), (705, 19827), (736, 19881), (754, 19917), (772, 19968), (791, 20028), (798, 20061), (801, 20073), (812, 20106), (813, 20109), (863, 20247), (868, 20259), (886, 20301), (898, 20337), (902, 20349), (905, 20355), (948, 20565),

Gene: Trixie_29 Start: 18274, Stop: 20811, Start Num: 120

Candidate Starts for Trixie_29:

(Start: 120 @18274 has 91 MA's), (175, 18385), (203, 18454), (289, 18619), (292, 18625), (296, 18646), (299, 18655), (317, 18700), (321, 18709), (328, 18742), (341, 18784), (352, 18826), (353, 18835), (357, 18856), (363, 18883), (366, 18901), (380, 18955), (383, 18976), (384, 18979), (425, 19165), (432, 19207), (438, 19225), (450, 19273), (453, 19282), (468, 19348), (472, 19375), (475, 19387), (492, 19450), (495, 19465), (516, 19519), (538, 19573), (570, 19621), (586, 19684), (590, 19693), (605, 19738), (611, 19753), (623, 19780), (624, 19783), (648, 19804), (651, 19810), (658, 19825), (694, 19912), (723, 19975), (736, 19996), (774, 20104), (778, 20119), (788, 20149), (792, 20161), (803, 20197), (827, 20287), (879, 20368), (881, 20377), (887, 20386), (928, 20497), (935, 20527), (948, 20608), (949, 20611),

Gene: Trooper_26 Start: 16433, Stop: 18964, Start Num: 120

Candidate Starts for Trooper_26:

(Start: 120 @16433 has 91 MA's), (140, 16472), (142, 16478), (200, 16610), (203, 16613), (Start: 208 @16622 has 1 MA's), (216, 16646), (292, 16790), (296, 16811), (299, 16820), (307, 16835), (309, 16841), (321, 16874), (328, 16907), (341, 16949), (352, 16991), (353, 17000), (363, 17048), (366, 17066), (376, 17099), (380, 17120), (383, 17141), (384, 17144), (425, 17330), (432, 17372), (435, 17381), (453, 17447), (468, 17513), (475, 17552), (538, 17738), (546, 17753), (570, 17786), (597, 17882), (605, 17903), (623, 17945), (644, 17966), (648, 17969), (706, 18107), (712, 18119), (723, 18140), (765, 18239), (767, 18242), (774, 18269), (778, 18284), (788, 18314), (803, 18362), (817, 18410), (835, 18464), (871, 18515), (887, 18548), (908, 18572), (935, 18689), (947, 18755), (949, 18767),

Gene: Trouble_24 Start: 16670, Stop: 19141, Start Num: 167

Candidate Starts for Trouble_24:

(Start: 167 @16670 has 215 MA's), (181, 16709), (211, 16772), (Start: 223 @16802 has 23 MA's), (229, 16823), (233, 16844), (236, 16856), (273, 16874), (288, 16919), (303, 16964), (356, 17162), (362, 17195), (378, 17261), (440, 17516), (453, 17537), (460, 17564), (549, 17723), (575, 17759), (610, 17852), (617, 17873), (642, 17930), (687, 18050), (703, 18086), (718, 18116), (732, 18152), (757, 18218), (765, 18239), (808, 18380), (848, 18521), (857, 18542), (901, 18677), (937, 18854), (958, 18965), (975, 19052), (982, 19091),

Gene: TroyPia_25 Start: 15885, Stop: 18485, Start Num: 165

Candidate Starts for TroyPia_25:

(Start: 165 @15885 has 118 MA's), (Start: 223 @16026 has 23 MA's), (Start: 228 @16044 has 10 MA's), (278, 16251), (291, 16290), (298, 16320), (333, 16437), (341, 16464), (356, 16527), (369, 16590), (380, 16635), (387, 16677), (405, 16761), (506, 17028), (533, 17079), (566, 17124), (595, 17202), (610, 17235), (612, 17241), (619, 17262), (686, 17409), (695, 17430), (704, 17454), (731, 17520), (749, 17574), (765, 17622), (785, 17688), (828, 17853), (836, 17871), (882, 17997), (943, 18249), (944, 18252), (946, 18261), (958, 18321), (980, 18417), (986, 18465),

Gene: Tubs_27 Start: 17590, Stop: 20499, Start Num: 51

Candidate Starts for Tubs_27:

(Start: 51 @17590 has 33 MA's), (54, 17602), (70, 17662), (127, 17821), (153, 17884), (182, 17947), (194, 17989), (220, 18046), (301, 18256), (305, 18262), (310, 18277), (336, 18367), (337, 18370), (341, 18382), (352, 18424), (362, 18478), (380, 18553), (383, 18574), (384, 18577), (387, 18595), (399, 18658), (419, 18724), (425, 18763), (429, 18790), (432, 18805), (440, 18835), (447, 18859), (450, 18871), (453, 18880), (468, 18946), (475, 18985), (493, 19051), (501, 19078), (508, 19105), (538, 19171), (569, 19216), (590, 19291), (605, 19336), (613, 19357), (623, 19378), (624, 19381), (644, 19399), (648, 19402), (659, 19429), (694, 19510), (712, 19552), (774, 19702), (778, 19717), (788, 19747), (805, 19798), (827, 19885), (830, 19894), (846, 19945), (877, 20008), (882, 20029), (893, 20065), (908, 20101), (909, 20107), (927, 20185), (934, 20212), (944, 20272), (958, 20341), (962, 20371), (968, 20398), (981, 20437), (987, 20479),

Gene: Tucker_29 Start: 16733, Stop: 18949, Start Num: 128

Candidate Starts for Tucker_29:

(107, 16688), (Start: 128 @16733 has 47 MA's), (175, 16844), (233, 17000), (312, 17147), (316, 17159), (355, 17306), (356, 17309), (362, 17342), (382, 17432), (395, 17501), (419, 17576), (473, 17744), (670, 18002), (707, 18047), (773, 18155), (808, 18218), (819, 18260), (852, 18359), (857, 18380), (872, 18422), (888, 18473), (899, 18500), (919, 18581), (935, 18671),

Gene: Turbido_28 Start: 17118, Stop: 19661, Start Num: 120

Candidate Starts for Turbido_28:

(Start: 120 @17118 has 91 MA's), (203, 17298), (205, 17301), (216, 17331), (289, 17469), (292, 17475), (296, 17496), (299, 17505), (305, 17514), (309, 17526), (324, 17571), (328, 17592), (341, 17634), (353, 17685), (362, 17730), (363, 17733), (366, 17751), (376, 17784), (378, 17796), (380, 17805), (383, 17826), (384, 17829), (425, 18015), (432, 18057), (435, 18066), (438, 18075), (453, 18132), (468, 18198), (475, 18237), (501, 18330), (515, 18366), (538, 18423), (577, 18489), (582, 18522), (587, 18537), (590, 18543), (593, 18552), (597, 18567), (605, 18588), (613, 18609), (623, 18630), (624, 18633), (644, 18651), (648, 18654), (666, 18705), (694, 18762), (701, 18780), (712, 18804), (743, 18864), (753, 18891), (774, 18954), (788, 18999), (827, 19137), (881, 19227), (887, 19236), (908, 19260), (928, 19347), (935, 19377), (949, 19461),

Gene: Turj99_23 Start: 16107, Stop: 18578, Start Num: 167

Candidate Starts for Turj99_23:

(Start: 167 @16107 has 215 MA's), (181, 16146), (211, 16209), (Start: 223 @16239 has 23 MA's), (229, 16260), (233, 16281), (236, 16293), (273, 16311), (303, 16401), (356, 16599), (362, 16632), (378, 16698), (440, 16953), (453, 16974), (460, 17001), (549, 17160), (575, 17196), (610, 17289), (617, 17310), (642, 17367), (687, 17487), (703, 17523), (718, 17553), (732, 17589), (757, 17655), (765, 17676), (808, 17817), (848, 17958), (857, 17979), (923, 18210), (937, 18291), (958, 18402), (975, 18489), (982, 18528), (986, 18558),

Gene: Twigg_22 Start: 15215, Stop: 18553, Start Num: 1

Candidate Starts for Twigg_22:

(Start: 1 @15215 has 39 MA's), (32, 15653), (Start: 129 @15965 has 2 MA's), (152, 16043), (Start: 161 @16073 has 8 MA's), (184, 16130), (221, 16214), (236, 16277), (240, 16283), (310, 16403), (336, 16493), (337, 16496), (356, 16571), (365, 16616), (369, 16634), (380, 16679), (383, 16700), (429, 16892), (484, 17030), (507, 17078), (554, 17156), (595, 17282), (598, 17294), (608, 17318), (634, 17381), (722, 17573), (731, 17603), (742, 17627), (745, 17639), (768, 17702), (808, 17825), (812, 17846), (819, 17867), (843, 17945), (852, 17966), (864, 18008), (872, 18029), (902, 18116), (911, 18146), (925, 18209), (928, 18227), (943, 18308), (946, 18320), (948, 18332), (950, 18341), (961, 18395), (979, 18479), (983, 18518),

Gene: Twister_25 Start: 15728, Stop: 18457, Start Num: 161

Candidate Starts for Twister_25:

(Start: 161 @15728 has 8 MA's), (Start: 228 @15905 has 10 MA's), (232, 15926), (240, 15950), (247, 15980), (248, 15983), (252, 15992), (258, 16031), (264, 16046), (267, 16070), (282, 16115), (294, 16157), (306, 16190), (309, 16199), (323, 16253), (337, 16307), (340, 16316), (344, 16340), (351, 16361), (370, 16466), (378, 16508), (547, 17030), (594, 17150), (610, 17195), (611, 17198), (612, 17201), (622, 17225), (643, 17270), (658, 17306), (670, 17345), (686, 17378), (732, 17492), (777, 17633), (785, 17657), (808, 17732), (822, 17798), (828, 17822), (836, 17840), (857, 17906), (878, 17960), (882, 17972), (888, 17987), (895, 18008), (899, 18020), (946, 18233), (954, 18269), (957, 18290), (958, 18293), (980, 18389), (986, 18437),

Gene: TwoPeat_25 Start: 16622, Stop: 19102, Start Num: 167

Candidate Starts for TwoPeat_25:

(Start: 167 @16622 has 215 MA's), (181, 16661), (211, 16724), (Start: 223 @16754 has 23 MA's), (233, 16796), (327, 17003), (333, 17021), (356, 17111), (369, 17174), (376, 17198), (378, 17210), (387, 17261), (537, 17645), (592, 17747), (606, 17786), (614, 17813), (623, 17837), (672, 17966), (718, 18065), (757, 18167), (765, 18188), (770, 18200), (777, 18230), (808, 18329), (823, 18392), (852, 18482), (892, 18611), (903, 18644), (937, 18815), (958, 18926), (970, 18992), (975, 19013), (982, 19052), (986, 19082),

Gene: TygerBlood_25 Start: 15885, Stop: 18485, Start Num: 165

Candidate Starts for TygerBlood_25:

(Start: 165 @15885 has 118 MA's), (Start: 223 @16026 has 23 MA's), (Start: 228 @16044 has 10 MA's), (278, 16251), (291, 16290), (298, 16320), (333, 16437), (341, 16464), (356, 16527), (369, 16590), (380, 16635), (387, 16677), (405, 16761), (506, 17028), (533, 17079), (566, 17124), (595, 17202), (610, 17235), (612, 17241), (686, 17409), (695, 17430), (704, 17454), (730, 17514), (731, 17520), (749, 17574), (765, 17622), (785, 17688), (828, 17853), (836, 17871), (882, 17997), (943, 18249), (944, 18252), (946, 18261), (958, 18321), (980, 18417), (986, 18465),

Gene: U2_24 Start: 16511, Stop: 18979, Start Num: 167

Candidate Starts for U2_24:

(Start: 167 @16511 has 215 MA's), (174, 16526), (Start: 223 @16640 has 23 MA's), (229, 16661), (233, 16682), (273, 16712), (280, 16736), (288, 16757), (303, 16802), (356, 17000), (362, 17033), (378, 17099), (440, 17354), (453, 17375), (460, 17402), (549, 17561), (575, 17597), (610, 17690), (617, 17711), (623, 17726), (630, 17747), (632, 17750), (659, 17819), (672, 17855), (687, 17888), (703, 17924), (718, 17954), (732, 17990), (757, 18056), (765, 18077), (777, 18119), (808, 18218), (848, 18359), (857, 18380), (901, 18515), (937, 18692), (958, 18803), (975, 18890), (982, 18929), (986, 18959),

Gene: Ugenie5_24 Start: 17623, Stop: 20532, Start Num: 51

Candidate Starts for Ugenie5_24:

(Start: 51 @17623 has 33 MA's), (54, 17635), (70, 17695), (153, 17917), (182, 17980), (194, 18022), (220, 18079), (233, 18118), (301, 18289), (305, 18295), (310, 18310), (336, 18400), (337, 18403), (341, 18415), (352, 18457), (362, 18511), (380, 18586), (383, 18607), (384, 18610), (387, 18628), (399, 18691), (419, 18757), (425, 18796), (429, 18823), (432, 18838), (440, 18868), (447, 18892), (453, 18913), (468, 18979), (475, 19018), (493, 19084), (501, 19111), (508, 19138), (538, 19204), (569, 19249), (590, 19324), (605, 19369), (613, 19390), (623, 19411), (624, 19414), (644, 19432), (648, 19435), (659, 19462), (667, 19489), (694, 19543), (774, 19735), (778, 19750), (788, 19780), (805, 19831), (827, 19918), (830, 19927), (846, 19978), (877, 20041), (882, 20062), (893, 20098), (908, 20134), (909, 20140), (927, 20218), (934, 20245), (944, 20305), (958, 20374), (962, 20404), (968, 20431), (981, 20470), (987, 20512),

Gene: UhSalsa_21 Start: 12124, Stop: 15471, Start Num: 15

Candidate Starts for UhSalsa_21:

(Start: 15 @12124 has 35 MA's), (17, 12142), (31, 12265), (37, 12286), (42, 12307), (47, 12337), (94, 12451), (107, 12499), (126, 12547), (127, 12556), (Start: 159 @12631 has 1 MA's), (173, 12652), (180, 12673), (183, 12679), (197, 12727), (232, 12799), (245, 12838), (251, 12847), (276, 12901), (294, 12955), (296, 12961), (312, 13000), (323, 13033), (333, 13072), (348, 13129), (373, 13240), (378, 13261), (380, 13270), (387, 13312), (397, 13363), (399, 13375), (420, 13447), (421, 13450), (432, 13522), (435, 13531), (441, 13555), (448, 13579), (450, 13588), (452, 13594), (453, 13597), (456, 13606), (458, 13618), (467, 13660), (472, 13690), (477, 13714), (481, 13735), (489, 13759), (504, 13804), (522, 13855), (528, 13867), (531, 13870), (538, 13888), (546, 13903), (577, 13954), (590, 14008), (652, 14131), (661, 14158), (670, 14182), (684, 14209), (700, 14245), (713, 14275), (750, 14359), (776, 14440), (790, 14485), (792, 14497), (793, 14506), (795, 14515), (798, 14521), (799, 14527), (808, 14548), (837, 14662), (842, 14683), (865, 14728), (884, 14782), (897, 14827), (915, 14899), (921, 14923), (929, 14968), (933, 14986), (945, 15061), (950, 15094), (959, 15136), (973,

15214), (978, 15229), (981, 15253), (992, 15409), (993, 15421), (994, 15427),

Gene: Ulysses_24 Start: 15606, Stop: 18206, Start Num: 165

Candidate Starts for Ulysses_24:

(Start: 165 @15606 has 118 MA's), (Start: 223 @15747 has 23 MA's), (Start: 228 @15765 has 10 MA's), (266, 15921), (278, 15972), (291, 16011), (298, 16041), (333, 16158), (341, 16185), (356, 16248), (369, 16311), (380, 16356), (387, 16398), (405, 16482), (506, 16749), (533, 16800), (566, 16845), (595, 16923), (610, 16956), (612, 16962), (662, 17076), (686, 17130), (704, 17175), (730, 17235), (749, 17295), (785, 17409), (828, 17574), (836, 17592), (882, 17718), (943, 17970), (944, 17973), (946, 17982), (958, 18042), (980, 18138), (986, 18186),

Gene: UnionJack_22 Start: 14796, Stop: 17609, Start Num: 1

Candidate Starts for UnionJack_22:

(Start: 1 @14796 has 39 MA's), (9, 14985), (Start: 129 @15468 has 2 MA's), (132, 15474), (243, 15618), (284, 15654), (315, 15744), (331, 15810), (337, 15831), (353, 15894), (356, 15906), (362, 15939), (376, 15993), (381, 16026), (384, 16038), (405, 16137), (419, 16170), (458, 16299), (499, 16413), (561, 16464), (614, 16530), (668, 16611), (678, 16623), (693, 16656), (733, 16734), (737, 16743), (763, 16809), (768, 16818), (808, 16881), (819, 16923), (839, 16995), (852, 17022), (856, 17037), (864, 17064), (872, 17085), (902, 17172), (911, 17202), (925, 17265), (943, 17364), (946, 17376), (948, 17388), (950, 17397), (980, 17544),

Gene: Updawg_28 Start: 17115, Stop: 19622, Start Num: 120

Candidate Starts for Updawg_28:

(Start: 120 @17115 has 91 MA's), (175, 17226), (195, 17283), (296, 17469), (321, 17532), (328, 17565), (330, 17571), (373, 17751), (376, 17760), (380, 17781), (383, 17802), (384, 17805), (387, 17823), (398, 17883), (425, 17991), (432, 18033), (447, 18087), (453, 18108), (467, 18171), (468, 18174), (470, 18192), (475, 18213), (538, 18399), (546, 18414), (568, 18441), (582, 18498), (587, 18513), (590, 18519), (593, 18528), (595, 18534), (605, 18564), (613, 18585), (648, 18630), (651, 18636), (662, 18669), (673, 18696), (706, 18768), (712, 18780), (743, 18840), (753, 18867), (774, 18930), (788, 18975), (792, 18987), (803, 19023), (815, 19059), (822, 19092), (864, 19155), (877, 19179), (930, 19323), (949, 19422), (964, 19509), (989, 19608),

Gene: VA6_26 Start: 16626, Stop: 19163, Start Num: 120

Candidate Starts for VA6_26:

(Start: 120 @16626 has 91 MA's), (203, 16806), (205, 16809), (226, 16857), (287, 16968), (292, 16977), (296, 16998), (299, 17007), (309, 17028), (321, 17061), (328, 17094), (353, 17187), (363, 17235), (366, 17253), (371, 17265), (376, 17286), (380, 17307), (383, 17328), (384, 17331), (425, 17517), (432, 17559), (435, 17568), (453, 17634), (468, 17700), (472, 17727), (475, 17739), (498, 17826), (538, 17925), (590, 18045), (593, 18054), (595, 18060), (597, 18069), (605, 18090), (614, 18114), (624, 18135), (648, 18156), (651, 18162), (662, 18195), (666, 18207), (694, 18264), (743, 18366), (753, 18393), (774, 18456), (881, 18729), (887, 18738), (928, 18849), (935, 18879), (949, 18963),

Gene: VC3_29 Start: 16651, Stop: 19164, Start Num: 120

Candidate Starts for VC3_29:

(Start: 120 @16651 has 91 MA's), (203, 16831), (205, 16834), (261, 16945), (321, 17080), (336, 17140), (341, 17155), (348, 17185), (349, 17188), (366, 17272), (373, 17296), (379, 17320), (383, 17347), (384, 17350), (407, 17461), (425, 17536), (429, 17563), (432, 17578), (447, 17632), (453, 17653), (468, 17719), (470, 17737), (472, 17746), (498, 17845), (508, 17878), (515, 17887), (538, 17944), (546, 17959), (590, 18064), (648, 18175), (654, 18187), (657, 18193), (666, 18226), (723, 18346), (774, 18475), (778, 18490), (788, 18520), (792, 18532), (803, 18568), (842, 18682), (856, 18694), (879, 18736), (945, 18943), (948, 18961), (949, 18964), (989, 19150),

Gene: Vanisoa_25 Start: 15668, Stop: 18586, Start Num: 51

Candidate Starts for Vanisoa_25:

(Start: 51 @15668 has 33 MA's), (54, 15680), (104, 15839), (127, 15902), (194, 16070), (218, 16124), (220, 16127), (265, 16253), (296, 16328), (299, 16337), (301, 16340), (305, 16346), (307, 16352), (341, 16466), (345, 16487), (353, 16517), (356, 16529), (362, 16562), (366, 16583), (367, 16586), (373, 16607), (378, 16628), (380, 16637), (381, 16649), (390, 16697), (397, 16730), (399, 16742), (425, 16847), (427, 16859), (439, 16910), (447, 16943), (451, 16958), (453, 16964), (456, 16973), (458, 16985), (463, 17009), (466, 17021), (468, 17030), (508, 17189), (516, 17201), (538, 17255), (590, 17375), (605, 17420), (613, 17441), (623, 17462), (624, 17465), (644, 17483), (648, 17486), (659, 17513), (667, 17540), (696, 17600), (712, 17636), (736, 17678), (774, 17786), (805, 17882), (827, 17969), (830, 17978), (846, 18029), (864, 18059), (877, 18092), (882, 18113), (893, 18152), (909, 18194), (927, 18272), (934, 18299), (944, 18359), (962, 18458), (980, 18512), (981, 18524), (987, 18566),

Gene: Veracruz_25 Start: 16043, Stop: 19081, Start Num: 33

Candidate Starts for Veracruz_25:

(Start: 33 @16043 has 33 MA's), (73, 16217), (81, 16229), (92, 16262), (174, 16469), (181, 16490), (218, 16589), (220, 16592), (299, 16802), (305, 16811), (309, 16823), (321, 16856), (337, 16919), (341, 16931), (349, 16964), (353, 16982), (357, 17003), (367, 17051), (369, 17057), (373, 17072), (376, 17081), (378, 17093), (380, 17102), (397, 17195), (425, 17312), (426, 17315), (430, 17342), (432, 17354), (447, 17408), (453, 17429), (468, 17495), (475, 17534), (520, 17675), (538, 17720), (581, 17810), (582, 17819), (593, 17849), (613, 17906), (618, 17921), (644, 17948), (648, 17951), (657, 17969), (702, 18080), (743, 18161), (763, 18218), (776, 18260), (808, 18356), (812, 18377), (817, 18401), (828, 18446), (836, 18464), (852, 18512), (855, 18524), (877, 18566), (880, 18578), (893, 18626), (936, 18797), (946, 18857), (948, 18869), (955, 18896), (958, 18917), (980, 19013), (986, 19061),

Gene: Violet_23 Start: 16915, Stop: 19386, Start Num: 167

Candidate Starts for Violet_23:

(Start: 167 @16915 has 215 MA's), (181, 16954), (211, 17017), (Start: 223 @17047 has 23 MA's), (229, 17068), (233, 17089), (236, 17101), (273, 17119), (303, 17209), (356, 17407), (362, 17440), (378, 17506), (440, 17761), (453, 17782), (460, 17809), (549, 17968), (575, 18004), (610, 18097), (617, 18118), (642, 18175), (687, 18295), (703, 18331), (718, 18361), (732, 18397), (757, 18463), (765, 18484), (808, 18625), (848, 18766), (857, 18787), (901, 18922), (937, 19099), (958, 19210), (975, 19297), (982, 19336), (986, 19366),

Gene: Vix_27 Start: 16061, Stop: 19087, Start Num: 35

Candidate Starts for Vix_27:

(29, 16007), (Start: 35 @16061 has 84 MA's), (57, 16175), (79, 16241), (81, 16244), (85, 16253), (97, 16289), (113, 16340), (141, 16412), (174, 16484), (218, 16604), (220, 16607), (243, 16676), (260, 16721), (299, 16814), (305, 16823), (311, 16841), (321, 16868), (337, 16931), (341, 16943), (349, 16976), (353, 16994), (366, 17060), (367, 17063), (369, 17069), (373, 17084), (376, 17093), (378, 17105), (380, 17114), (393, 17192), (397, 17207), (425, 17324), (426, 17327), (430, 17354), (432, 17366), (447, 17420), (453, 17441), (468, 17507), (475, 17546), (501, 17639), (520, 17687), (538, 17732), (570, 17780), (581, 17822), (582, 17831), (593, 17861), (594, 17864), (597, 17876), (618, 17933), (623, 17939), (644, 17960), (648, 17963), (706, 18101), (712, 18113), (743, 18173), (763, 18230), (808, 18368), (812, 18389), (817, 18413), (828, 18458), (836, 18476), (852, 18524), (855, 18536), (877, 18578), (894, 18641), (914, 18698), (927, 18767), (936, 18803), (950, 18884), (980, 19019),

Gene: VohminGhazi_29 Start: 16735, Stop: 18939, Start Num: 128

Candidate Starts for VohminGhazi_29:

(69, 16576), (107, 16690), (Start: 128 @16735 has 47 MA's), (175, 16846), (176, 16852), (Start: 223 @16960 has 23 MA's), (233, 17002), (284, 17068), (316, 17161), (325, 17188), (356, 17311), (362, 17344), (382, 17434), (395, 17503), (473, 17746), (577, 17884), (670, 18004), (773, 18157), (808, 18220), (819, 18262), (852, 18361), (857, 18382), (864, 18403), (872, 18424), (888, 18475), (892, 18487), (899, 18502), (919, 18583), (935, 18661),

Gene: Waits_28 Start: 15890, Stop: 18079, Start Num: 188

Candidate Starts for Waits_28:

(Start: 129 @15713 has 2 MA's), (Start: 134 @15722 has 4 MA's), (Start: 188 @15890 has 18 MA's), (310, 16133), (312, 16139), (332, 16208), (347, 16265), (380, 16409), (387, 16451), (396, 16499), (397, 16502), (428, 16613), (431, 16631), (473, 16736), (495, 16784), (563, 16889), (585, 16949), (611, 17003), (633, 17039), (646, 17063), (648, 17072), (671, 17135), (685, 17156), (692, 17171), (705, 17195), (710, 17207), (741, 17261), (746, 17282), (761, 17312), (833, 17483), (839, 17504), (872, 17588), (950, 17891), (980, 18014), (981, 18026),

Gene: WalterMcMickey_25 Start: 15905, Stop: 18457, Start Num: 228

Candidate Starts for WalterMcMickey_25:

(Start: 161 @15728 has 8 MA's), (Start: 228 @15905 has 10 MA's), (232, 15926), (240, 15950), (247, 15980), (248, 15983), (252, 15992), (258, 16031), (264, 16046), (267, 16070), (282, 16115), (294, 16157), (306, 16190), (309, 16199), (323, 16253), (337, 16307), (340, 16316), (344, 16340), (351, 16361), (370, 16466), (378, 16508), (547, 17030), (594, 17150), (610, 17195), (611, 17198), (612, 17201), (622, 17225), (643, 17270), (658, 17306), (670, 17345), (686, 17378), (732, 17492), (777, 17633), (785, 17657), (808, 17732), (822, 17798), (828, 17822), (836, 17840), (857, 17906), (878, 17960), (882, 17972), (888, 17987), (895, 18008), (899, 18020), (946, 18233), (954, 18269), (957, 18290), (958, 18293), (980, 18389), (986, 18437),

Gene: Wander_25 Start: 15885, Stop: 18485, Start Num: 165

Candidate Starts for Wander_25:

(Start: 165 @15885 has 118 MA's), (Start: 223 @16026 has 23 MA's), (Start: 228 @16044 has 10 MA's), (278, 16251), (291, 16290), (298, 16320), (333, 16437), (341, 16464), (356, 16527), (369, 16590), (380, 16635), (387, 16677), (405, 16761), (506, 17028), (533, 17079), (566, 17124), (595, 17202), (610, 17235), (612, 17241), (619, 17262), (686, 17409), (695, 17430), (704, 17454), (731, 17520), (749, 17574), (765, 17622), (785, 17688), (828, 17853), (836, 17871), (882, 17997), (943, 18249), (944, 18252), (946, 18261), (958, 18321), (980, 18417), (986, 18465),

Gene: Warrior24_28 Start: 15894, Stop: 18083, Start Num: 188

Candidate Starts for Warrior24_28:

(Start: 129 @15717 has 2 MA's), (Start: 134 @15726 has 4 MA's), (Start: 188 @15894 has 18 MA's), (310, 16137), (312, 16143), (332, 16212), (347, 16269), (380, 16413), (387, 16455), (391, 16476), (396, 16503), (397, 16506), (428, 16617), (431, 16635), (473, 16740), (495, 16788), (563, 16893), (585, 16953), (611, 17007), (633, 17043), (646, 17067), (648, 17076), (671, 17139), (685, 17160), (692, 17175), (705, 17199), (710, 17211), (741, 17265), (746, 17286), (761, 17316), (833, 17487), (839, 17508), (872, 17592), (950, 17895), (980, 18018), (981, 18030),

Gene: Watermelon_26 Start: 17220, Stop: 19700, Start Num: 167

Candidate Starts for Watermelon_26:

(Start: 167 @17220 has 215 MA's), (181, 17259), (211, 17322), (Start: 223 @17352 has 23 MA's), (233, 17394), (327, 17601), (333, 17619), (356, 17709), (369, 17772), (376, 17796), (378, 17808), (387, 17859), (537, 18243), (592, 18345), (606, 18384), (614, 18411), (623, 18435), (672, 18564), (718, 18663), (757, 18765), (765, 18786), (777, 18828), (808, 18927), (823, 18990), (892, 19209), (903, 19242), (937, 19413), (958, 19524), (975, 19611), (982, 19650), (984, 19665),

Gene: Watson_27 Start: 15971, Stop: 18997, Start Num: 35

Candidate Starts for Watson_27:

(29, 15917), (Start: 35 @15971 has 84 MA's), (57, 16085), (79, 16151), (81, 16154), (85, 16163), (97, 16199), (113, 16250), (141, 16322), (174, 16394), (218, 16514), (220, 16517), (243, 16586), (260, 16631), (299, 16724), (305, 16733), (311, 16751), (321, 16778), (337, 16841), (341, 16853), (349, 16886), (353, 16904), (366, 16970), (367, 16973), (369, 16979), (373, 16994), (376, 17003), (378, 17015), (380, 17024), (397, 17117), (425, 17234), (426, 17237), (430, 17264), (432, 17276), (447, 17330), (453, 17351), (468, 17417), (472, 17444), (501, 17549), (520, 17597), (538, 17642), (570, 17690), (581, 17732), (582, 17741), (593, 17771), (594, 17774), (597, 17786), (618, 17843), (623, 17849), (644, 17870), (648, 17873), (706, 18011), (712, 18023), (743, 18083), (765, 18143), (774, 18173), (775, 18176), (777, 18185), (808, 18278), (828, 18368), (852, 18434), (855, 18446), (877, 18488), (894, 18551), (914, 18608), (927, 18677), (936, 18713), (950, 18794), (980, 18929),

Gene: WeiHuaDA_32 Start: 18881, Stop: 21418, Start Num: 120

Candidate Starts for WeiHuaDA_32:

(Start: 120 @18881 has 91 MA's), (175, 18992), (203, 19061), (289, 19226), (292, 19232), (296, 19253), (299, 19262), (309, 19283), (321, 19316), (323, 19325), (328, 19349), (336, 19376), (341, 19391), (352, 19433), (353, 19442), (363, 19490), (366, 19508), (373, 19532), (383, 19583), (384, 19586), (425, 19772), (432, 19814), (450, 19880), (453, 19889), (468, 19955), (475, 19994), (501, 20087), (538, 20180), (546, 20195), (590, 20300), (605, 20345), (623, 20387), (624, 20390), (648, 20411), (651, 20417), (658, 20432), (706, 20549), (723, 20582), (736, 20603), (774, 20711), (778, 20726), (788, 20756), (792, 20768), (803, 20804), (879, 20975), (881, 20984), (887, 20993), (928, 21104), (935, 21134), (948, 21215), (949, 21218),

Gene: Whabigail7_28 Start: 17106, Stop: 19649, Start Num: 120

Candidate Starts for Whabigail7_28:

(Start: 120 @17106 has 91 MA's), (203, 17286), (205, 17289), (289, 17457), (292, 17463), (296, 17484), (299, 17493), (305, 17502), (309, 17514), (324, 17559), (328, 17580), (341, 17622), (353, 17673), (362, 17718), (363, 17721), (366, 17739), (376, 17772), (378, 17784), (380, 17793), (383, 17814), (384, 17817), (425, 18003), (432, 18045), (435, 18054), (438, 18063), (453, 18120), (468, 18186), (475, 18225), (501, 18318), (515, 18354), (538, 18411), (577, 18477), (582, 18510), (587, 18525), (590, 18531), (593, 18540), (597, 18555), (605, 18576), (613, 18597), (623, 18618), (624, 18621), (644, 18639), (648, 18642), (666, 18693), (694, 18750), (701, 18768), (712, 18792), (743, 18852), (753, 18879), (774, 18942), (788, 18987), (827, 19125), (881, 19215), (887, 19224), (908, 19248), (928, 19335), (935, 19365), (949, 19449),

Gene: Wheeler_24 Start: 16677, Stop: 19154, Start Num: 169

Candidate Starts for Wheeler_24:

(Start: 169 @16677 has 9 MA's), (174, 16692), (211, 16776), (213, 16782), (Start: 223 @16806 has 23 MA's), (233, 16848), (327, 17055), (333, 17073), (356, 17163), (369, 17226), (376, 17250), (378, 17262), (387, 17313), (537, 17697), (592, 17799), (606, 17838), (614, 17865), (623, 17889), (718, 18117), (757, 18219), (765, 18240), (770, 18252), (777, 18282), (808, 18381), (823, 18444), (892, 18663), (903, 18696), (958, 18978), (975, 19065), (982, 19104), (984, 19119),

Gene: Whitspit_25 Start: 17013, Stop: 19484, Start Num: 167

Candidate Starts for Whitspit_25:

(Start: 167 @17013 has 215 MA's), (181, 17052), (211, 17115), (Start: 223 @17145 has 23 MA's), (229, 17166), (233, 17187), (236, 17199), (273, 17217), (303, 17307), (356, 17505), (362, 17538), (378, 17604), (440, 17859), (453, 17880), (460, 17907), (549, 18066), (575, 18102), (610, 18195), (617, 18216), (642, 18273), (687, 18393), (703, 18429), (718, 18459), (732, 18495), (757, 18561), (765, 18582), (808, 18723), (848, 18864), (857, 18885), (901, 19020), (937, 19197), (958, 19308), (975, 19395), (982, 19434), (984, 19449),

Gene: WideWale_28 Start: 17115, Stop: 19622, Start Num: 120

Candidate Starts for WideWale_28:

(Start: 120 @17115 has 91 MA's), (175, 17226), (195, 17283), (296, 17469), (321, 17532), (328, 17565), (330, 17571), (373, 17751), (376, 17760), (380, 17781), (383, 17802), (384, 17805), (387, 17823), (398, 17883), (425, 17991), (432, 18033), (447, 18087), (453, 18108), (467, 18171), (468, 18174), (470, 18192), (475, 18213), (538, 18399), (546, 18414), (568, 18441), (582, 18498), (587, 18513), (590, 18519), (593, 18528), (595, 18534), (605, 18564), (613, 18585), (648, 18630), (651, 18636), (662, 18669), (673, 18696), (706, 18768), (712, 18780), (743, 18840), (753, 18867), (774, 18930), (788, 18975), (792, 18987), (803, 19023), (815, 19059), (822, 19092), (864, 19155), (877, 19179), (930, 19323), (949, 19422), (964, 19509), (989, 19608),

Gene: Wiks_29 Start: 16715, Stop: 18931, Start Num: 128

Candidate Starts for Wiks_29:

(107, 16670), (Start: 128 @16715 has 47 MA's), (175, 16826), (233, 16982), (312, 17129), (316, 17141), (355, 17288), (356, 17291), (362, 17324), (382, 17414), (395, 17483), (419, 17558), (473, 17726), (670, 17984), (707, 18029), (773, 18137), (808, 18200), (819, 18242), (852, 18341), (857, 18362), (872, 18404), (888, 18455), (899, 18482), (919, 18563), (935, 18653),

Gene: Wilbur_25 Start: 16026, Stop: 18485, Start Num: 223

Candidate Starts for Wilbur_25:

(Start: 165 @15885 has 118 MA's), (Start: 223 @16026 has 23 MA's), (Start: 228 @16044 has 10 MA's), (278, 16251), (291, 16290), (298, 16320), (333, 16437), (341, 16464), (356, 16527), (369, 16590), (380, 16635), (387, 16677), (405, 16761), (506, 17028), (533, 17079), (566, 17124), (595, 17202), (610, 17235), (612, 17241), (658, 17337), (660, 17346), (686, 17409), (695, 17430), (704, 17454), (731, 17520), (749, 17574), (765, 17622), (785, 17688), (828, 17853), (836, 17871), (882, 17997), (943, 18249), (944, 18252), (946, 18261), (958, 18321), (980, 18417), (986, 18465),

Gene: Wile_25 Start: 15892, Stop: 18492, Start Num: 165

Candidate Starts for Wile_25:

(Start: 165 @15892 has 118 MA's), (284, 16282), (325, 16411), (333, 16444), (341, 16471), (356, 16534), (380, 16642), (412, 16777), (471, 16975), (519, 17062), (533, 17086), (566, 17131), (610, 17242), (612, 17248), (686, 17416), (705, 17464), (730, 17521), (749, 17581), (765, 17629), (775, 17662), (785, 17695), (791, 17713), (828, 17860), (836, 17878), (882, 18004), (913, 18094), (932, 18193), (944, 18259), (946, 18268), (958, 18328), (960, 18337), (965, 18373), (972, 18391), (980, 18424), (986, 18472),

Gene: Wilkins_24 Start: 16077, Stop: 18692, Start Num: 167

Candidate Starts for Wilkins_24:

(Start: 167 @16077 has 215 MA's), (181, 16116), (211, 16179), (213, 16185), (Start: 223 @16209 has 23 MA's), (286, 16317), (341, 16488), (355, 16548), (356, 16551), (381, 16674), (387, 16704), (400, 16767), (463, 16986), (487, 17058), (512, 17106), (530, 17151), (609, 17376), (610, 17385), (623, 17421), (629, 17436), (642, 17463), (719, 17667), (762, 17781), (765, 17790), (772, 17811), (777, 17832), (808, 17931), (819, 17973), (820, 17976), (860, 18105), (888, 18189), (904, 18234), (937, 18405), (958, 18516), (975, 18603), (982, 18642), (984, 18657),

Gene: Wizard007_25 Start: 15887, Stop: 18487, Start Num: 165

Candidate Starts for Wizard007_25:

(Start: 165 @15887 has 118 MA's), (Start: 223 @16028 has 23 MA's), (Start: 228 @16046 has 10 MA's), (278, 16253), (291, 16292), (298, 16322), (333, 16439), (341, 16466), (356, 16529), (369, 16592), (380, 16637), (387, 16679), (405, 16763), (506, 17030), (533, 17081), (566, 17126), (595, 17204), (612, 17243), (619, 17264), (686, 17411), (695, 17432), (704, 17456), (730, 17516), (731, 17522), (732, 17525), (749, 17576), (765, 17624), (785, 17690), (828, 17855), (836, 17873), (882, 17999), (943, 18251), (944, 18254), (946, 18263), (958, 18323), (980, 18419), (986, 18467),

Gene: Wolpertinger_25 Start: 17178, Stop: 19706, Start Num: 131

Candidate Starts for Wolpertinger_25:

(Start: 125 @17160 has 22 MA's), (Start: 131 @17178 has 2 MA's), (Start: 188 @17352 has 18 MA's),
(192, 17361), (233, 17436), (291, 17490), (308, 17544), (313, 17559), (314, 17562), (321, 17580),
(337, 17643), (341, 17655), (356, 17718), (369, 17781), (373, 17796), (376, 17805), (380, 17826),
(384, 17850), (387, 17865), (408, 17952), (410, 17955), (416, 17970), (422, 17991), (424, 18003),
(440, 18069), (464, 18141), (473, 18165), (503, 18246), (506, 18255), (510, 18267), (522, 18309),
(562, 18366), (580, 18420), (618, 18528), (638, 18567), (698, 18708), (742, 18804), (746, 18825),
(760, 18858), (773, 18891), (774, 18894), (807, 18978), (819, 19023), (820, 19026), (854, 19140),
(864, 19173), (888, 19245), (902, 19281), (919, 19353), (935, 19431), (944, 19485), (949, 19509),
(976, 19620),

Gene: Wooldri_29 Start: 15890, Stop: 18916, Start Num: 35

Candidate Starts for Wooldri_29:

(29, 15836), (Start: 35 @15890 has 84 MA's), (57, 16004), (79, 16070), (81, 16073), (85, 16082), (97,
16118), (113, 16169), (141, 16241), (174, 16313), (218, 16433), (220, 16436), (243, 16505), (260,
16550), (299, 16643), (305, 16652), (311, 16670), (321, 16697), (337, 16760), (341, 16772), (349,
16805), (353, 16823), (366, 16889), (367, 16892), (369, 16898), (373, 16913), (376, 16922), (378,
16934), (380, 16943), (393, 17021), (397, 17036), (425, 17153), (426, 17156), (430, 17183), (432,
17195), (447, 17249), (453, 17270), (468, 17336), (475, 17375), (501, 17468), (520, 17516), (538,
17561), (570, 17609), (581, 17651), (582, 17660), (593, 17690), (594, 17693), (597, 17705), (618,
17762), (623, 17768), (644, 17789), (648, 17792), (706, 17930), (712, 17942), (743, 18002), (763,
18059), (808, 18197), (812, 18218), (817, 18242), (828, 18287), (836, 18305), (852, 18353), (855,
18365), (877, 18407), (894, 18470), (914, 18527), (927, 18596), (936, 18632), (950, 18713), (980,
18848),

Gene: WorldCup_24 Start: 15668, Stop: 18586, Start Num: 51

Candidate Starts for WorldCup_24:

(Start: 51 @15668 has 33 MA's), (54, 15680), (104, 15839), (119, 15881), (127, 15902), (182, 16028),
(194, 16070), (218, 16124), (220, 16127), (265, 16253), (296, 16328), (299, 16337), (301, 16340),
(307, 16352), (351, 16505), (353, 16517), (356, 16529), (357, 16538), (362, 16562), (366, 16583),
(367, 16586), (373, 16607), (378, 16628), (380, 16637), (381, 16649), (390, 16697), (399, 16742),
(425, 16847), (439, 16910), (446, 16940), (447, 16943), (453, 16964), (456, 16973), (458, 16985),
(463, 17009), (468, 17030), (475, 17069), (538, 17255), (545, 17267), (569, 17300), (590, 17375),
(593, 17384), (605, 17420), (613, 17441), (623, 17462), (624, 17465), (644, 17483), (648, 17486),
(659, 17513), (667, 17540), (696, 17600), (736, 17678), (774, 17786), (788, 17831), (805, 17882),
(825, 17963), (827, 17969), (830, 17978), (846, 18029), (877, 18092), (882, 18113), (893, 18152),
(909, 18194), (927, 18272), (934, 18299), (944, 18359), (949, 18383), (962, 18458), (981, 18524),
(987, 18566),

Gene: WunderPhul_29 Start: 16715, Stop: 18931, Start Num: 128

Candidate Starts for WunderPhul_29:

(107, 16670), (Start: 128 @16715 has 47 MA's), (175, 16826), (233, 16982), (312, 17129), (316,
17141), (355, 17288), (356, 17291), (362, 17324), (382, 17414), (395, 17483), (419, 17558), (473,
17726), (670, 17984), (707, 18029), (773, 18137), (808, 18200), (819, 18242), (852, 18341), (857,
18362), (872, 18404), (888, 18455), (899, 18482), (919, 18563), (935, 18653),

Gene: Xena_25 Start: 15879, Stop: 18479, Start Num: 165

Candidate Starts for Xena_25:

(Start: 165 @15879 has 118 MA's), (284, 16269), (325, 16398), (333, 16431), (341, 16458), (356,
16521), (380, 16629), (412, 16764), (471, 16962), (519, 17049), (533, 17073), (566, 17118), (610,
17229), (612, 17235), (686, 17403), (705, 17451), (730, 17508), (749, 17568), (765, 17616), (775,
17649), (785, 17682), (791, 17700), (828, 17847), (836, 17865), (882, 17991), (913, 18081), (932,

18180), (944, 18246), (946, 18255), (958, 18315), (960, 18324), (965, 18360), (972, 18378), (980, 18411), (986, 18459),

Gene: XianYue_26 Start: 16577, Stop: 19105, Start Num: 120

Candidate Starts for XianYue_26:

(Start: 120 @16577 has 91 MA's), (200, 16754), (203, 16757), (205, 16760), (226, 16808), (292, 16928), (296, 16949), (299, 16958), (305, 16967), (321, 17012), (328, 17045), (336, 17072), (341, 17087), (352, 17129), (353, 17138), (357, 17159), (363, 17186), (366, 17204), (376, 17237), (380, 17258), (383, 17279), (384, 17282), (425, 17468), (432, 17510), (435, 17519), (447, 17564), (453, 17585), (468, 17651), (475, 17690), (508, 17810), (518, 17828), (538, 17876), (545, 17888), (546, 17891), (590, 17996), (595, 18011), (597, 18020), (611, 18056), (623, 18083), (624, 18086), (644, 18104), (648, 18107), (767, 18380), (774, 18407), (778, 18422), (788, 18452), (792, 18464), (803, 18500), (817, 18548), (835, 18602), (871, 18653), (887, 18686), (908, 18710), (935, 18827), (949, 18905), (989, 19091),

Gene: Yecey3_26 Start: 15697, Stop: 18618, Start Num: 51

Candidate Starts for Yecey3_26:

(Start: 30 @15568 has 1 MA's), (Start: 51 @15697 has 33 MA's), (54, 15709), (104, 15868), (119, 15910), (127, 15931), (194, 16099), (218, 16153), (220, 16156), (265, 16285), (296, 16360), (299, 16369), (301, 16372), (305, 16378), (307, 16384), (324, 16435), (341, 16498), (345, 16519), (348, 16528), (351, 16537), (353, 16549), (362, 16594), (363, 16597), (366, 16615), (367, 16618), (373, 16639), (380, 16669), (381, 16681), (390, 16729), (397, 16762), (399, 16774), (425, 16879), (437, 16936), (438, 16939), (447, 16975), (453, 16996), (456, 17005), (458, 17017), (468, 17062), (475, 17101), (492, 17164), (516, 17233), (569, 17332), (587, 17401), (590, 17407), (605, 17452), (611, 17467), (613, 17473), (644, 17515), (648, 17518), (659, 17545), (667, 17572), (727, 17698), (736, 17710), (774, 17818), (782, 17851), (788, 17863), (792, 17875), (803, 17911), (805, 17914), (822, 17980), (827, 18001), (828, 18004), (831, 18013), (840, 18043), (877, 18124), (882, 18145), (900, 18199), (909, 18226), (926, 18298), (927, 18304), (944, 18391), (947, 18403), (949, 18415), (962, 18490), (977, 18526), (981, 18556),

Gene: YoSam321_25 Start: 15882, Stop: 18482, Start Num: 165

Candidate Starts for YoSam321_25:

(Start: 165 @15882 has 118 MA's), (Start: 223 @16023 has 23 MA's), (Start: 228 @16041 has 10 MA's), (278, 16248), (291, 16287), (298, 16317), (333, 16434), (341, 16461), (356, 16524), (369, 16587), (380, 16632), (387, 16674), (405, 16758), (506, 17025), (533, 17076), (566, 17121), (595, 17199), (612, 17238), (686, 17406), (695, 17427), (704, 17451), (730, 17511), (731, 17517), (749, 17571), (765, 17619), (785, 17685), (828, 17850), (836, 17868), (882, 17994), (943, 18246), (944, 18249), (946, 18258), (958, 18318), (980, 18414), (986, 18462),

Gene: Yogi_21 Start: 12098, Stop: 15445, Start Num: 15

Candidate Starts for Yogi_21:

(Start: 15 @12098 has 35 MA's), (17, 12116), (31, 12239), (37, 12260), (42, 12281), (45, 12299), (47, 12311), (63, 12350), (94, 12425), (126, 12521), (127, 12530), (Start: 159 @12605 has 1 MA's), (173, 12626), (180, 12647), (183, 12653), (197, 12701), (232, 12773), (245, 12812), (251, 12821), (276, 12875), (296, 12935), (312, 12974), (323, 13007), (333, 13046), (348, 13103), (373, 13214), (378, 13235), (380, 13244), (387, 13286), (397, 13337), (399, 13349), (420, 13421), (421, 13424), (432, 13496), (435, 13505), (446, 13547), (448, 13553), (453, 13571), (456, 13580), (458, 13592), (467, 13634), (472, 13664), (473, 13667), (481, 13709), (489, 13733), (504, 13778), (522, 13829), (528, 13841), (531, 13844), (538, 13862), (546, 13877), (577, 13928), (590, 13982), (603, 14024), (627, 14078), (640, 14081), (659, 14123), (700, 14219), (713, 14249), (750, 14333), (779, 14423), (790, 14459), (792, 14471), (793, 14480), (795, 14489), (798, 14495), (804, 14513), (808, 14522), (837, 14636), (842, 14657), (852, 14678), (865, 14702), (884, 14756), (897, 14801), (915, 14873), (921, 14897), (929, 14942), (933, 14960), (945, 15035), (950, 15068), (959, 15110), (978, 15203), (981,

15227), (992, 15383), (994, 15401),

Gene: Yokurt_29 Start: 16715, Stop: 18931, Start Num: 128

Candidate Starts for Yokurt_29:

(107, 16670), (Start: 128 @16715 has 47 MA's), (175, 16826), (233, 16982), (312, 17129), (316, 17141), (355, 17288), (356, 17291), (362, 17324), (382, 17414), (395, 17483), (419, 17558), (473, 17726), (670, 17984), (707, 18029), (773, 18137), (808, 18200), (819, 18242), (852, 18341), (857, 18362), (872, 18404), (888, 18455), (899, 18482), (919, 18563), (935, 18653),

Gene: Yoncess_21 Start: 12098, Stop: 15445, Start Num: 15

Candidate Starts for Yoncess_21:

(Start: 15 @12098 has 35 MA's), (17, 12116), (31, 12239), (37, 12260), (42, 12281), (47, 12311), (63, 12350), (94, 12425), (126, 12521), (127, 12530), (Start: 159 @12605 has 1 MA's), (173, 12626), (180, 12647), (183, 12653), (197, 12701), (232, 12773), (245, 12812), (251, 12821), (276, 12875), (296, 12935), (312, 12974), (323, 13007), (333, 13046), (348, 13103), (373, 13214), (378, 13235), (380, 13244), (387, 13286), (397, 13337), (399, 13349), (420, 13421), (421, 13424), (432, 13496), (435, 13505), (448, 13553), (453, 13571), (456, 13580), (458, 13592), (467, 13634), (472, 13664), (481, 13709), (489, 13733), (504, 13778), (522, 13829), (528, 13841), (531, 13844), (538, 13862), (546, 13877), (577, 13928), (590, 13982), (603, 14024), (627, 14078), (640, 14081), (700, 14219), (713, 14249), (750, 14333), (779, 14423), (790, 14459), (792, 14471), (793, 14480), (795, 14489), (798, 14495), (804, 14513), (808, 14522), (837, 14636), (852, 14678), (865, 14702), (884, 14756), (897, 14801), (915, 14873), (921, 14897), (929, 14942), (933, 14960), (945, 15035), (950, 15068), (959, 15110), (978, 15203), (981, 15227), (992, 15383), (994, 15401),

Gene: Zaka_29 Start: 16715, Stop: 18931, Start Num: 128

Candidate Starts for Zaka_29:

(107, 16670), (Start: 128 @16715 has 47 MA's), (175, 16826), (233, 16982), (312, 17129), (316, 17141), (355, 17288), (356, 17291), (362, 17324), (382, 17414), (395, 17483), (419, 17558), (473, 17726), (670, 17984), (707, 18029), (773, 18137), (808, 18200), (819, 18242), (852, 18341), (857, 18362), (872, 18404), (888, 18455), (899, 18482), (919, 18563), (935, 18653),

Gene: Zarafa_25 Start: 15557, Stop: 18595, Start Num: 33

Candidate Starts for Zarafa_25:

(Start: 33 @15557 has 33 MA's), (73, 15731), (81, 15743), (92, 15776), (174, 15986), (220, 16109), (226, 16130), (299, 16316), (321, 16370), (337, 16433), (341, 16445), (349, 16478), (353, 16496), (367, 16565), (369, 16571), (373, 16586), (376, 16595), (378, 16607), (380, 16616), (397, 16709), (425, 16826), (426, 16829), (430, 16856), (432, 16868), (447, 16922), (453, 16943), (458, 16964), (468, 17009), (475, 17048), (501, 17141), (520, 17189), (538, 17234), (546, 17249), (581, 17324), (582, 17333), (593, 17363), (597, 17378), (618, 17435), (644, 17462), (648, 17465), (712, 17615), (723, 17636), (743, 17675), (759, 17714), (774, 17765), (775, 17768), (777, 17777), (784, 17801), (808, 17870), (812, 17891), (828, 17960), (836, 17978), (852, 18026), (855, 18038), (877, 18080), (880, 18092), (893, 18140), (936, 18311), (940, 18341), (946, 18371), (950, 18392), (980, 18527), (981, 18539), (986, 18575),

Gene: Zeeculate_23 Start: 16356, Stop: 19016, Start Num: 167

Candidate Starts for Zeeculate_23:

(Start: 167 @16356 has 215 MA's), (181, 16395), (211, 16458), (Start: 223 @16488 has 23 MA's), (233, 16530), (298, 16641), (311, 16674), (356, 16839), (369, 16902), (380, 16947), (385, 16971), (400, 17046), (403, 17058), (504, 17379), (610, 17709), (629, 17760), (642, 17787), (719, 17991), (762, 18105), (765, 18114), (772, 18135), (777, 18156), (808, 18255), (819, 18297), (820, 18300), (860, 18429), (888, 18513), (904, 18558), (958, 18840), (975, 18927), (982, 18966),

Gene: Zephyr_24 Start: 16453, Stop: 18933, Start Num: 167

Candidate Starts for Zephyr_24:

(Start: 167 @16453 has 215 MA's), (181, 16492), (211, 16555), (Start: 223 @16585 has 23 MA's), (233, 16627), (327, 16834), (333, 16852), (356, 16942), (369, 17005), (376, 17029), (378, 17041), (387, 17092), (537, 17476), (592, 17578), (606, 17617), (610, 17632), (614, 17644), (623, 17668), (672, 17797), (718, 17896), (757, 17998), (765, 18019), (777, 18061), (808, 18160), (823, 18223), (852, 18313), (892, 18442), (903, 18475), (958, 18757), (970, 18823), (975, 18844), (982, 18883), (984, 18898),

Gene: Zetzy_26 Start: 15513, Stop: 18539, Start Num: 35

Candidate Starts for Zetzy_26:

(29, 15459), (Start: 35 @15513 has 84 MA's), (57, 15627), (79, 15693), (81, 15696), (85, 15705), (97, 15741), (113, 15792), (141, 15864), (174, 15936), (218, 16056), (220, 16059), (243, 16128), (260, 16173), (299, 16266), (305, 16275), (311, 16293), (321, 16320), (337, 16383), (341, 16395), (349, 16428), (353, 16446), (366, 16512), (367, 16515), (369, 16521), (373, 16536), (378, 16557), (380, 16566), (397, 16659), (425, 16776), (426, 16779), (430, 16806), (432, 16818), (447, 16872), (453, 16893), (468, 16959), (475, 16998), (501, 17091), (520, 17139), (538, 17184), (546, 17199), (581, 17274), (582, 17283), (597, 17328), (613, 17370), (644, 17412), (660, 17445), (706, 17553), (743, 17625), (765, 17685), (774, 17715), (775, 17718), (777, 17727), (828, 17910), (852, 17976), (855, 17988), (877, 18030), (894, 18093), (914, 18150), (927, 18219), (936, 18255), (950, 18336), (980, 18471), (981, 18483),

Gene: Zeuska_25 Start: 16887, Stop: 19367, Start Num: 167

Candidate Starts for Zeuska_25:

(Start: 167 @16887 has 215 MA's), (181, 16926), (211, 16989), (Start: 223 @17019 has 23 MA's), (233, 17061), (327, 17268), (333, 17286), (356, 17376), (369, 17439), (376, 17463), (378, 17475), (387, 17526), (537, 17910), (592, 18012), (606, 18051), (614, 18078), (623, 18102), (672, 18231), (718, 18330), (757, 18432), (765, 18453), (770, 18465), (777, 18495), (808, 18594), (823, 18657), (892, 18876), (903, 18909), (958, 19191), (975, 19278), (982, 19317), (984, 19332),

Gene: Zimmer_28 Start: 18207, Stop: 21335, Start Num: 26

Candidate Starts for Zimmer_28:

(6, 17961), (20, 18177), (Start: 26 @18207 has 5 MA's), (Start: 51 @18384 has 33 MA's), (54, 18396), (98, 18534), (153, 18681), (182, 18744), (194, 18786), (218, 18840), (220, 18843), (296, 19044), (299, 19053), (301, 19056), (321, 19107), (328, 19140), (339, 19176), (353, 19233), (362, 19278), (363, 19281), (366, 19299), (367, 19302), (373, 19323), (380, 19353), (389, 19404), (390, 19413), (437, 19620), (443, 19644), (447, 19659), (448, 19662), (453, 19680), (456, 19689), (458, 19701), (467, 19743), (468, 19746), (474, 19779), (475, 19785), (492, 19848), (538, 19971), (590, 20091), (602, 20130), (605, 20136), (611, 20151), (623, 20178), (624, 20181), (644, 20199), (651, 20208), (654, 20214), (670, 20262), (706, 20340), (743, 20412), (744, 20415), (748, 20427), (774, 20502), (777, 20514), (784, 20538), (788, 20547), (828, 20703), (838, 20739), (842, 20748), (877, 20823), (900, 20904), (901, 20907), (904, 20913), (936, 21060), (943, 21108), (944, 21111), (949, 21135), (981, 21276),

Gene: Zolita_21 Start: 15350, Stop: 18763, Start Num: 1

Candidate Starts for Zolita_21:

(Start: 1 @15350 has 39 MA's), (4, 15410), (10, 15563), (13, 15602), (32, 15788), (86, 16016), (91, 16028), (95, 16040), (Start: 129 @16172 has 2 MA's), (152, 16250), (Start: 161 @16280 has 8 MA's), (184, 16337), (236, 16484), (240, 16490), (243, 16496), (312, 16622), (316, 16634), (356, 16784), (363, 16820), (369, 16850), (373, 16865), (380, 16895), (381, 16907), (386, 16931), (399, 17000), (423, 17066), (473, 17222), (506, 17291), (507, 17294), (524, 17321), (541, 17345), (589, 17483), (598, 17504), (614, 17549), (634, 17591), (722, 17783), (731, 17813), (742, 17837), (745, 17849), (751, 17870), (768, 17912), (794, 17999), (808, 18035), (812, 18056), (819, 18077), (843, 18155), (852, 18176), (857, 18197), (864, 18218), (872, 18239), (880, 18263), (902, 18326), (925, 18419),

(928, 18437), (943, 18518), (946, 18530), (948, 18542), (950, 18551), (961, 18605), (979, 18689),
(980, 18698),

Gene: Zulu_29 Start: 16714, Stop: 18930, Start Num: 128

Candidate Starts for Zulu_29:

(107, 16669), (Start: 128 @16714 has 47 MA's), (175, 16825), (233, 16981), (312, 17128), (316,
17140), (355, 17287), (356, 17290), (362, 17323), (382, 17413), (395, 17482), (419, 17557), (473,
17725), (670, 17983), (707, 18028), (773, 18136), (808, 18199), (819, 18241), (852, 18340), (857,
18361), (872, 18403), (888, 18454), (899, 18481), (919, 18562), (935, 18652),