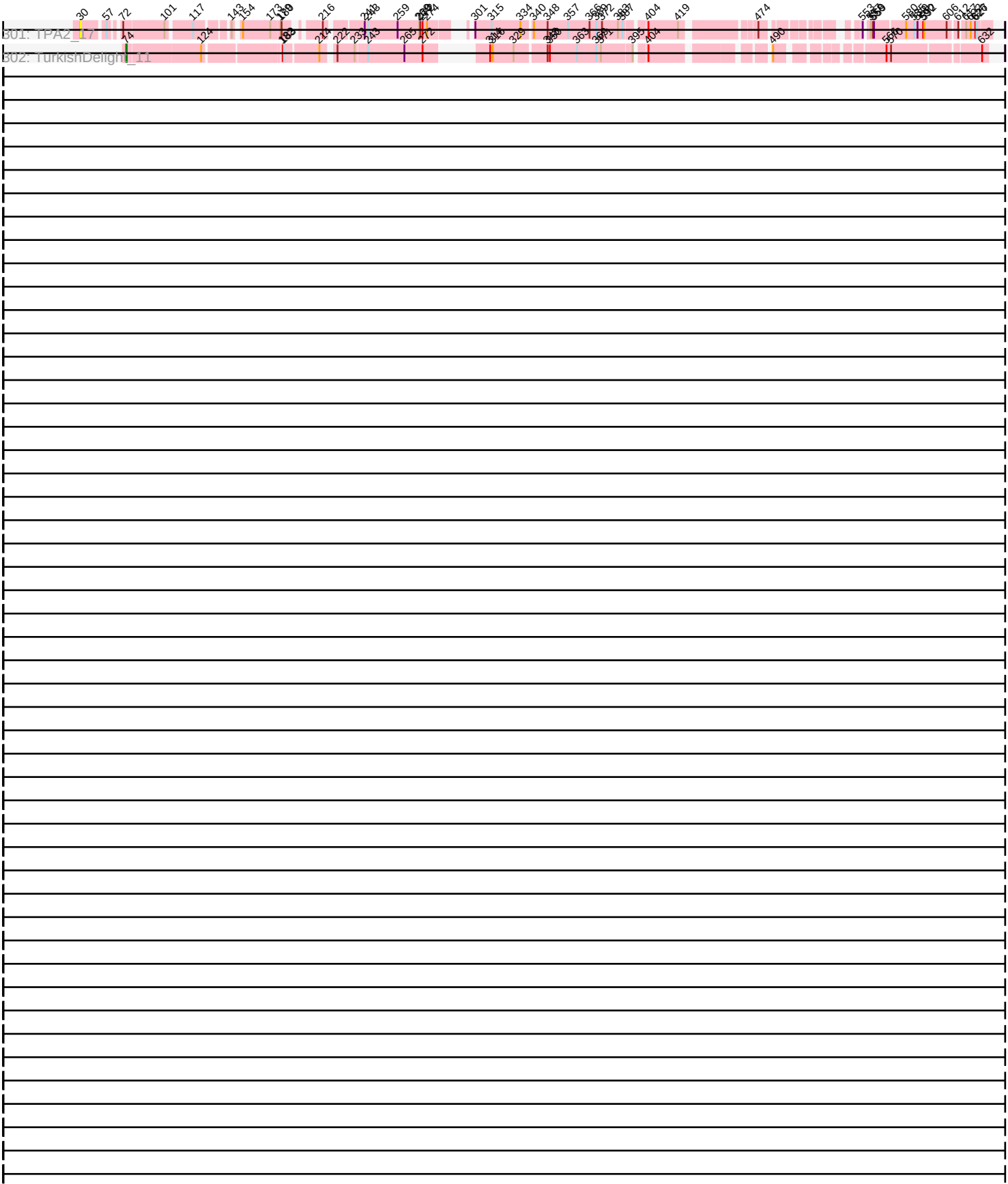


1. Caterpillar	230	67	78	84	117	154	171	208	220	248	251	257	300	306	309	340	357	363	374	387	404	426	431	448	554	574	580	612	627	630	
2. JohnLover	87	87	84		117	154	171	208	220	248	251	257	300	306	309	340	357	363	374	387	404	426	431	448	554	574	580	612	627	630	
3. Mao1_6301	87	87	84		117	154	171	208	220	248	251	257	300	306	309	340	357	363	374	387	404	426	431	448	554	574	580	612	627	630	
4. Sejanus_20 + 1	87	87	84	101	119	168	171	208	220	248	251	257	300	306	309	340	357	363	374	387	404	426	431	448	554	574	580	612	627	630	
5. Causa_18	87	87	84	101	119	168	171	208	220	248	251	257	300	306	309	340	357	363	374	387	404	426	431	448	554	574	580	612	627	630	
6. StAugustine	147	101	101	101	119	168	171	208	220	248	251	257	300	306	309	340	357	363	374	387	404	426	431	448	554	574	580	612	627	630	
7. Ranunculus_7	87	84	100	121	121	134	168	216	226	248	251	257	300	306	309	340	357	363	374	387	404	426	431	448	554	574	580	612	627	630	
8. Tank_17 + 1	87	84	100	121	121	134	168	216	226	248	251	257	300	306	309	340	357	363	374	387	404	426	431	448	554	574	580	612	627	630	
9. Rizwana_18	87	71	101	121	121	134	168	216	226	248	251	257	300	306	309	340	357	363	374	387	404	426	431	448	554	574	580	612	627	630	
10. Kubuix_2	87	71	101	121	121	134	168	216	226	248	251	257	300	306	309	340	357	363	374	387	404	426	431	448	554	574	580	612	627	630	
11. NyleyCien	108	101	101	121	121	134	168	216	226	248	251	257	300	306	309	340	357	363	374	387	404	426	431	448	554	574	580	612	627	630	
12. Nikan_18	87	71	101	121	121	134	168	216	226	248	251	257	300	306	309	340	357	363	374	387	404	426	431	448	554	574	580	612	627	630	
13. Hive_22	87	71	101	121	121	134	168	216	226	248	251	257	300	306	309	340	357	363	374	387	404	426	431	448	554	574	580	612	627	630	
14. Onypop_2	87	71	101	121	121	134	168	216	226	248	251	257	300	306	309	340	357	363	374	387	404	426	431	448	554	574	580	612	627	630	
15. Odyssey3	87	71 + 1	101	121	121	134	168	216	226	248	251	257	300	306	309	340	357	363	374	387	404	426	431	448	554	574	580	612	627	630	
16. Forrestell	87	71	101	121	121	134	168	216	226	248	251	257	300	306	309	340	357	363	374	387	404	426	431	448	554	574	580	612	627	630	
17. Beagle_2	87	71	101	121	121	134	168	216	226	248	251	257	300	306	309	340	357	363	374	387	404	426	431	448	554	574	580	612	627	630	
18. BrumMomi	18	87	87	121	121	134	168	216	226	248	251	257	300	306	309	340	357	363	374	387	404	426	431	448	554	574	580	612	627	630	
19. AwGoat_8	87	87	87	121	121	134	168	216	226	248	251	257	300	306	309	340	357	363	374	387	404	426	431	448	554	574	580	612	627	630	
20. SilentR_20	18	87	87	121	121	134	168	216	226	248	251	257	300	306	309	340	357	363	374	387	404	426	431	448	554	574	580	612	627	630	
21. Struggle	87 + 22	87	87	121	121	134	168	216	226	248	251	257	300	306	309	340	357	363	374	387	404	426	431	448	554	574	580	612	627	630	
22. Aonism	8 + 18	87	87	121	121	134	168	216	226	248	251	257	300	306	309	340	357	363	374	387	404	426	431	448	554	574	580	612	627	630	
23. Fozzie	87	87	87	121	121	134	168	216	226	248	251	257	300	306	309	340	357	363	374	387	404	426	431	448	554	574	580	612	627	630	
24. Swish_20	1	87	87	121	121	134	168	216	226	248	251	257	300	306	309	340	357	363	374	387	404	426	431	448	554	574	580	612	627	630	
25. Riverton	8 + 1	87	87	121	121	134	168	216	226	248	251	257	300	306	309	340	357	363	374	387	404	426	431	448	554	574	580	612	627	630	
26. Basato_20	11	87	87	121	121	134	168	216	226	248	251	257	300	306	309	340	357	363	374	387	404	426	431	448	554	574	580	612	627	630	
27. Nenne	87	87	87	121	121	134	168	216	226	248	251	257	300	306	309	340	357	363	374	387	404	426	431	448	554	574	580	612	627	630	
28. Gophee	87 + 9	87	87	121	121	134	168	216	226	248	251	257	300	306	309	340	357	363	374	387	404	426	431	448	554	574	580	612	627	630	
29. Schade	Claude_7	87	87	121	121	134	168	216	226	248	251	257	300	306	309	340	357	363	374	387	404	426	431	448	554	574	580	612	627	630	
30. Hocus_8	87	87	87	121	121	134	168	216	226	248	251	257	300	306	309	340	357	363	374	387	404	426	431	448	554	574	580	612	627	630	
31. Inverness	8 + 5	87	87	121	121	134	168	216	226	248	251	257	300	306	309	340	357	363	374	387	404	426	431	448	554	574	580	612	627	630	
32. Windsor	87 + 2	87	87	121	121	134	168	216	226	248	251	257	300	306	309	340	357	363	374	387	404	426	431	448	554	574	580	612	627	630	
33. Carthage	87	87	87	121	121	134	168	216	226	248	251	257	300	306	309	340	357	363	374	387	404	426	431	448	554	574	580	612	627	630	
34. Keith	87	87	87	121	121	134	168	216	226	248	251	257	300	306	309	340	357	363	374	387	404	426	431	448	554	574	580	612	627	630	
35. SirBeau	Seard_8	87	87	121	121	134	168	216	226	248	251	257	300	306	309	340	357	363	374	387	404	426	431	448	554	574	580	612	627	630	
36. EmGen	87 + 18	87	87	121	121	134	168	216	226	248	251	257	300	306	309	340	357	363	374	387	404	426	431	448	554	574	580	612	627	630	
37. Invubu	87	101	101	121	121	134	168	216	226	248	251	257	300	306	309	340	357	363	374	387	404	426	431	448	554	574	580	612	627	630	
38. Indiova	87	101	101	121	121	134	168	216	226	248	251	257	300	306	309	340	357	363	374	387	404	426	431	448	554	574	580	612	627	630	
39. LiviC	Drumby_10	87	101	101	121	121	134	168	216	226	248	251	257	300	306	309	340	357	363	374	387	404	426	431	448	554	574	580	612	627	630
40. Zentend	87	101	101	121	121	134	168	216	226	248	251	257	300	306	309	340	357	363	374	387	404	426	431	448	554	574	580	612	627	630	
41. Bird	Nes_12	87	101	101	121	121	134	168	216	226	248	251	257	300	306	309	340	357	363	374	387	404	426	431	448	554	574	580	612	627	630
42. Hashim	87	101	101	121	121	134	168	216	226	248	251	257	300	306	309	340	357	363	374	387	404	426	431	448	554	574	580	612	627	630	
43. Little	Minsky_64	87	101	101	121	121	134	168	216	226	248	251	257	300	306	309	340	357	363	374	387	404	426	431	448	554	574	580	612	627	630
44. Boyle_15	101	101	101	121	121	134	168	216	226	248	251	257	300	306	309	340	357	363	374	387	404	426	431	448	554	574	580	612	627	630	
45. Abiter	87	101	101	121	121	134	168	216	226	248	251	257	300	306	309	340	357	363	374	387	404	426	431	448	554	574	580	612	627	630	
46. Knein	87 + 1	101	101	121	121	134	168	216	226	248	251	257	300	306	309	340	357	363	374	387	404	426	431	448	554	574	580	612	627	630	
47. Godines	87	101	101	121	121	134	168	216	226	248	251	257	300	306	309	340	357	363	374	387	404	426	431	448	554	574	580	612	627	630	
48. TAI7A	87	101	101	121	121	134	168	216	226	248	251	257	300	306	309	340	357	363	374	387	404	426	431	448	554	574	580	612	627	630	
49. Laune_8	87	101	101	121	121	134	168																								

	39	84	102	119	128	168	198	224	243	253	294	305	388	357	369	40	411	448	459	473	556	586	622
51. JackSting_10 + 2	78	94	102	119	128	168	198	224	243	253	294	305	388	357	369	40	411	448	459	473	556	586	622
52. GlenHog_12 + 4	78	94	102	119	128	168	198	224	243	253	294	305	388	357	369	40	411	448	459	473	556	586	622
53. RagingRoster_13 + 6	78	94	102	119	128	168	198	224	243	253	294	305	388	357	369	40	411	448	459	473	556	586	622
54. Pipelish_11 + 6	78	94	102	119	128	168	198	224	243	253	294	305	388	357	369	40	411	448	459	473	556	586	622
55. JAMal_8	78	94	102	119	128	168	198	224	243	253	294	305	388	357	369	40	411	448	459	473	556	586	622
56. Apex_8	78	94	102	119	128	168	198	224	243	253	294	305	388	357	369	40	411	448	459	473	556	586	622
57. Fortunat_9	78	94	102	119	128	168	198	224	243	253	294	305	388	357	369	40	411	448	459	473	556	586	622
58. VioletZ_3 + 1	78	94	102	119	128	168	198	224	243	253	294	305	388	357	369	40	411	448	459	473	556	586	622
59. Another_13 + 5	78	94	102	119	128	168	198	224	243	253	294	305	388	357	369	40	411	448	459	473	556	586	622
60. Cooper_3	78	94	102	119	128	168	198	224	243	253	294	305	388	357	369	40	411	448	459	473	556	586	622
61. Anwer_3	78	94	102	119	128	168	198	224	243	253	294	305	388	357	369	40	411	448	459	473	556	586	622
62. Stinger_3	78	94	102	119	128	168	198	224	243	253	294	305	388	357	369	40	411	448	459	473	556	586	622
63. Hydro_13 + 5	78	94	102	119	128	168	198	224	243	253	294	305	388	357	369	40	411	448	459	473	556	586	622
64. Renkel_3 + 1	78	94	102	119	128	168	198	224	243	253	294	305	388	357	369	40	411	448	459	473	556	586	622
65. AlanGras_10 + 1	78	94	102	119	128	168	198	224	243	253	294	305	388	357	369	40	411	448	459	473	556	586	622
66. Magpie_3	78	94	102	119	128	168	198	224	243	253	294	305	388	357	369	40	411	448	459	473	556	586	622
67. Queen_3 + 9	78	94	102	119	128	168	198	224	243	253	294	305	388	357	369	40	411	448	459	473	556	586	622
68. Xincheng_9	78	94	102	119	128	168	198	224	243	253	294	305	388	357	369	40	411	448	459	473	556	586	622
69. GinPore_3 + 8	78	94	102	119	128	168	198	224	243	253	294	305	388	357	369	40	411	448	459	473	556	586	622
70. Jaguar_10	78	94	102	119	128	168	198	224	243	253	294	305	388	357	369	40	411	448	459	473	556	586	622
71. Fanaw_3	78	94	102	119	128	168	198	224	243	253	294	305	388	357	369	40	411	448	459	473	556	586	622
72. Frederic_9	78	94	102	119	128	168	198	224	243	253	294	305	388	357	369	40	411	448	459	473	556	586	622
73. Niger_3	78	94	102	119	128	168	198	224	243	253	294	305	388	357	369	40	411	448	459	473	556	586	622
74. Minni_3	78	94	102	119	128	168	198	224	243	253	294	305	388	357	369	40	411	448	459	473	556	586	622
75. ChrisMa_3 + 8	78	94	102	119	128	168	198	224	243	253	294	305	388	357	369	40	411	448	459	473	556	586	622
76. Waiella_3 + 9 + 1	78	94	102	119	128	168	198	224	243	253	294	305	388	357	369	40	411	448	459	473	556	586	622
77. Austen_3	78	94	102	119	128	168	198	224	243	253	294	305	388	357	369	40	411	448	459	473	556	586	622
78. Rawrice_3 + 9	78	94	102	119	128	168	198	224	243	253	294	305	388	357	369	40	411	448	459	473	556	586	622
79. DigitDude_10 + 2	78	94	102	119	128	168	198	224	243	253	294	305	388	357	369	40	411	448	459	473	556	586	622
80. Karasun_3 + 11	78	94	102	119	128	168	198	224	243	253	294	305	388	357	369	40	411	448	459	473	556	586	622
81. Rich_10	78	94	102	119	128	168	198	224	243	253	294	305	388	357	369	40	411	448	459	473	556	586	622
82. Phelim_10 + 1	78	94	102	119	128	168	198	224	243	253	294	305	388	357	369	40	411	448	459	473	556	586	622
83. Mystery_3 + 1	78	94	102	119	128	168	198	224	243	253	294	305	388	357	369	40	411	448	459	473	556	586	622
84. SirJen_10 + 4	78	94	102	119	128	168	198	224	243	253	294	305	388	357	369	40	411	448	459	473	556	586	622
85. Acadian_3	78	94	102	119	128	168	198	224	243	253	294	305	388	357	369	40	411	448	459	473	556	586	622
86. Baee_10	78	94	102	119	128	168	198	224	243	253	294	305	388	357	369	40	411	448	459	473	556	586	622
87. Serendip_10	78	94	102	119	128	168	198	224	243	253	294	305	388	357	369	40	411	448	459	473	556	586	622
88. EastView_101	78	94	102	119	128	168	198	224	243	253	294	305	388	357	369	40	411	448	459	473	556	586	622
89. 40BC_10	78	94	102	119	128	168	198	224	243	253	294	305	388	357	369	40	411	448	459	473	556	586	622
90. KayaCh_107	78	94	102	119	128	168	198	224	243	253	294	305	388	357	369	40	411	448	459	473	556	586	622
91. Hosp_10	78	94	102	119	128	168	198	224	243	253	294	305	388	357	369	40	411	448	459	473	556	586	622
92. Minnow_10	78	94	102	119	128	168	198	224	243	253	294	305	388	357	369	40	411	448	459	473	556	586	622
93. Jolie_10	78	94	102	119	128	168	198	224	243	253	294	305	388	357	369	40	411	448	459	473	556	586	622
94. ForDig_10	78	94	102	119	128	168	198	224	243	253	294	305	388	357	369	40	411	448	459	473	556	586	622
95. Saguaro_11	78	94	102	119	128	168	198	224	243	253	294	305	388	357	369	40	411	448	459	473	556	586	622
96. Thonko_10	78	94	102	119	128	168	198	224	243	253	294	305	388	357	369	40	411	448	459	473	556	586	622
97. Quesada_11	78	94	102	119	128	168	198	224	243	253	294	305	388	357	369	40	411	448	459	473	556	586	622
98. Penguin_10	78	94	102	119	128	168	198	224	243	253	294	305	388	357	369	40	411	448	459	473	556	586	622
99. Knocko_14	78	94	102	119	128	168	198	224	243	253	294	305	388	357	369	40	411	448	459	473	556	586	622
100. Finsize_14	78	94	102	119	128	168	198	224	243	253	294	305	388	357	369	40	411	448	459	473	556	586	622

	1	71	81	100	129	133	149	208	227	247	273	320	339	349	365	397	431	453	472	496	505												
r51: Shivanishi_58	71	81	100	100	129	133	149	208	227	247	273	320	339	349	365	397	431	453	472	496	505												
r52: Eaddon_58	71	81	100	100	129	133	149	208	227	247	273	320	339	349	365	397	431	453	472	496	505												
r53: McKinley_613	71	81	100	100	129	133	149	208	227	247	273	320	339	349	365	397	431	453	472	496	505												
r54: Aleca_158	71	81	100	100	129	133	149	208	227	247	273	320	339	349	365	397	431	453	472	496	505												
r55: J. S. 100	71	81	100	100	129	133	149	208	227	247	273	320	339	349	365	397	431	453	472	496	505												
r56: W. S. 100	71	81	100	100	129	133	149	208	227	247	273	320	339	349	365	397	431	453	472	496	505												
r57: Leona_883 + 4	71	81	100	100	129	133	149	208	227	247	273	320	339	349	365	397	431	453	472	496	505												
r58: E. S. 100	71	81	100	100	129	133	149	208	227	247	273	320	339	349	365	397	431	453	472	496	505												
r59: P. S. 100	71	81	100	100	129	133	149	208	227	247	273	320	339	349	365	397	431	453	472	496	505												
r60: D. S. 100	71	81	100	100	129	133	149	208	227	247	273	320	339	349	365	397	431	453	472	496	505												
r61: W. S. 100 + 4	71	81	100	100	129	133	149	208	227	247	273	320	339	349	365	397	431	453	472	496	505												
r62: G. S. 100	71	81	100	100	129	133	149	208	227	247	273	320	339	349	365	397	431	453	472	496	505												
r63: E. S. 100	71	81	100	100	129	133	149	208	227	247	273	320	339	349	365	397	431	453	472	496	505												
r64: V. S. 100 + 2	71	81	100	100	129	133	149	208	227	247	273	320	339	349	365	397	431	453	472	496	505												
r65: S. S. 100 + 4	71	81	100	100	129	133	149	208	227	247	273	320	339	349	365	397	431	453	472	496	505												
r66: L. S. 100	71	81	100	100	129	133	149	208	227	247	273	320	339	349	365	397	431	453	472	496	505												
r67: A. S. 100	71	81	100	100	129	133	149	208	227	247	273	320	339	349	365	397	431	453	472	496	505												
r68: Z. S. 100	71	81	100	100	129	133	149	208	227	247	273	320	339	349	365	397	431	453	472	496	505												
r69: L. S. 100	71	81	100	100	129	133	149	208	227	247	273	320	339	349	365	397	431	453	472	496	505												
r70: B. S. 100	71	81	100	100	129	133	149	208	227	247	273	320	339	349	365	397	431	453	472	496	505												
r71: G. S. 100	71	81	100	100	129	133	149	208	227	247	273	320	339	349	365	397	431	453	472	496	505												
r72: Unbearable_53	89	111	123	131	142	156	161	188	215	224	230	241	253	261	268	291	310	319	335	341	353	361	374	381	404	410	425	434	454	483	498	502	528
r73: Phenix_53	89	111	123	131	142	156	161	188	215	224	230	241	253	261	268	291	310	319	335	341	353	361	374	381	404	410	425	434	454	483	498	502	528
r74: Godot_103	92	101	119	131	142	156	161	188	215	224	230	241	253	261	268	291	310	319	335	341	353	361	374	381	404	410	425	434	454	483	498	502	528
r75: JellyBaby_8 + 2	92	101	111	131	142	156	161	188	215	224	230	241	253	261	268	291	310	319	335	341	353	361	374	381	404	410	425	434	454	483	498	502	528
r76: Wooper_10	92	101	111	131	142	156	161	188	215	224	230	241	253	261	268	291	310	319	335	341	353	361	374	381	404	410	425	434	454	483	498	502	528
r77: ARSartori_54	92	101	111	131	142	156	161	188	215	224	230	241	253	261	268	291	310	319	335	341	353	361	374	381	404	410	425	434	454	483	498	502	528
r78: Snatter_3 + 2	92	101	111	131	142	156	161	188	215	224	230	241	253	261	268	291	310	319	335	341	353	361	374	381	404	410	425	434	454	483	498	502	528
r79: AnarQ_10	92	101	111	131	142	156	161	188	215	224	230	241	253	261	268	291	310	319	335	341	353	361	374	381	404	410	425	434	454	483	498	502	528
r80: Trader_10	92	101	111	131	142	156	161	188	215	224	230	241	253	261	268	291	310	319	335	341	353	361	374	381	404	410	425	434	454	483	498	502	528
r81: Carb_5	92	101	111	131	142	156	161	188	215	224	230	241	253	261	268	291	310	319	335	341	353	361	374	381	404	410	425	434	454	483	498	502	528
r82: Yagoo_7 + 2	92	101	111	131	142	156	161	188	215	224	230	241	253	261	268	291	310	319	335	341	353	361	374	381	404	410	425	434	454	483	498	502	528
r83: Blacktop_10	92	101	111	131	142	156	161	188	215	224	230	241	253	261	268	291	310	319	335	341	353	361	374	381	404	410	425	434	454	483	498	502	528
r84: Makovannhole_10	92	101	111	131	142	156	161	188	215	224	230	241	253	261	268	291	310	319	335	341	353	361	374	381	404	410	425	434	454	483	498	502	528
r85: N. Hago_83	92	101	111	131	142	156	161	188	215	224	230	241	253	261	268	291	310	319	335	341	353	361	374	381	404	410	425	434	454	483	498	502	528
r86: Ligma_5	92	101	111	131	142	156	161	188	215	224	230	241	253	261	268	291	310	319	335	341	353	361	374	381	404	410	425	434	454	483	498	502	528
r87: Colup_3 + 20	92	101	111	131	142	156	161	188	215	224	230	241	253	261	268	291	310	319	335	341	353	361	374	381	404	410	425	434	454	483	498	502	528
r88: Evaa_5	92	101	111	131	142	156	161	188	215	224	230	241	253	261	268	291	310	319	335	341	353	361	374	381	404	410	425	434	454	483	498	502	528
r89: Biggias_7	92	101	111	131	142	156	161	188	215	224	230	241	253	261	268	291	310	319	335	341	353	361	374	381	404	410	425	434	454	483	498	502	528
r90: Charlott_5	92	101	111	131	142	156	161	188	215	224	230	241	253	261	268	291	310	319	335	341	353	361	374	381	404	410	425	434	454	483	498	502	528
r91: Feinx_105_10	92	101	111	131	142	156	161	188	215	224	230	241	253	261	268	291	310	319	335	341	353	361	374	381	404	410	425	434	454	483	498	502	528
r92: Chremsichian_8	92	101	111	131	142	156	161	188	215	224	230	241	253	261	268	291	310	319	335	341	353	361	374	381	404	410	425	434	454	483	498	502	528
r93: CloverSinnie_10	92	101	111	131	142	156	161	188	215	224	230	241	253	261	268	291	310	319	335	341	353	361	374	381	404	410	425	434	454	483	498	502	528
r94: BOOROS_2024_10	92	101	111	131	142	156	161	188	215	224	230	241	253	261	268	291	310	319	335	341	353	361	374	381	404	410	425	434	454	483	498	502	528
r95: Reshua_10	92	101	111	131	142	156	161	188	215	224	230	241	253	261	268	291	310	319	335	341	353	361	374	381	404	410	425	434	454	483	498	502	528
r96: Sour_5	92	101	111	131	142	156	161	188	215	224	230	241	253	261	268	291	310	319	335	341	353	361	374	381	404	410	425	434	454	483	498	502	528
r97: Mossrose_14	92	101	111	131	142	156	161	188	215	224	230	241	253	261	268	291	310	319	335	341	353	361	374	381	404	410	425	434	454	483	498	502	528
r98: Mareca_76	92	101	111	131	142	156	161	188	215	224	230	241	253	261	268	291	310	319	335	341	353	361	374	381	404	410	425	434	454	483	498	502	528
r99: Sixa_12	92	101	111	131	142	156	161	188	215	224	230	241	253	261	268	291	310	319	335	341	353	361	374	381	404	410	425	434	454	483	498	502	528
r100: Gm2_9	92	101	111	131	142	156	161	188	215	224	230	241	253	261	268	291	310	319	335	341	353	361	374	381	404	410	425	434	454	483	498	502	528

Pham 326523



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 326523 Report

This analysis was run 09/05/26 on database version 662.

Pham number 326523 has 889 members, 109 are drafts.

Phages represented in each track:

- Track 1 : Caterpie_6
- Track 2 : JohnLord_7
- Track 3 : Mao1_6, Mask_7
- Track 4 : Sejanus_7, Dori_7
- Track 5 : Causa_16
- Track 6 : StAugustine_14
- Track 7 : Ranunculus_17
- Track 8 : Tank_17, Wilde_17
- Track 9 : Rizwana_16
- Track 10 : Kubulix_23, MellowYellow_19, Popstraw_21, Pointis_22, BetaFish_22, RIPWilbur_20, DogYard_22, PhuzzTulsa_20
- Track 11 : NyleyClemson_18
- Track 12 : Nikan_18, Ren19_18
- Track 13 : Hive_22
- Track 14 : Ollypop_20
- Track 15 : Odyssey395_24, Pureglobe5_24
- Track 16 : Forrestell_19, RazzB_18
- Track 17 : Beagle_23
- Track 18 : BruhMoment_18
- Track 19 : AWGoat_17
- Track 20 : SilentRX_18
- Track 21 : Struggle_8, MelsMeow_8, Mag7_8, Veritas_8, MichaelPhcott_8, PhrankReynolds_8, Wallhey_8, CharlieGBrown_8, Phleuron_8, Oline_8, Derpp_8, PhenghisKhan_8, Labeouficaum_8, DuchessDung_8, Ashraf_8, BatteryCK_8, ImtiyazSitla_8, Pinkman_8, Maskar_8, TyrionL_8, Kailash_8, Kwksand96_8, Phergie_8
- Track 22 : Aonishiki_8, Selr12_8, Morty_8, Newman_8, Orion_8, HenryJackson_8, Weher20_8, Colbert_8, Eugenia_8, Childish_8, Skippy_8, Adriana_8, Kloppinator_8, BoogieWoogie_8, Robyn_8, EmpTee_8, LemonSlice_8, Legolas_8, Puhltonio_8, Buckeye_8, Pops_8, Virgeve_8, DoesntMatter_8, ThreeOh3D2_8, Banjo_8, ProfessorX_8, DonSanchon_8, Riggan_8, Fringe_8, PallasAthena_8, ShiVal_8, Orwigg_8, Matalotodo_8, Serendipity_8, Chipette_9, Craff_8, ABU_8, Grand2040_8, FriarPreacher_8, True_8, Timmi_8, Surely_8, Kimbrough_8, Haimas_8, Oosterbaan_8, Spartan300_8, Megatron_8, Aelin_8, Burr_8, UAch1_8, DirtJuice_8, JacAttac_8, Mana_8, Valjean_8, Nyala_8, Usavi_8, SilverBell_8, Eremos_8, Hetaeria_8, Inchworm_8, Cobra_8, Boehler_8, Placalicious_8, KingTut_8, Vaishali24_8, FluffyNinja_8, Lulwa_8, Badfish_8, Gyarad_008, Xavier_8,

Iridoclysis_8, TallGrassMM_8, MRabcd_8, RedMaple_8, Prickles_8, Yoshand_8,
 Pipsqueak_8, Lopsy_8, Simielle_8, Squiggle_8, BlackStallion_8, Cosmolli16_8,
 Potter_8, Fang_8, Sigman_8, Solosis_8, AbsoluteMadLad_8, HSavage_8, LeeLot_8,
 Hertubise_8, Tooj_8, Emiris_8, CaspiBoi_8, Freya_8, OliverWalter_8, Hartsy_8,
 Lehmann_9, Thora_8, Suffolk_8, KlimbOn_8, Nicole21_8, Andre_8, TomBombadil_8,
 Zaider_9, LasagnaCat_8, BlacksBerry_8, Kahve_8, YouGoGlencoco_8, IsaacEli_8,
 Dice_8, Mutante_8, Omniscient_8, Vista_8, CampRoach_8, Toni_8, QueenBeane_8,
 Scoot17C_8, Flake_8, Frankicide_8, Apizium_8, Virapocalypse_8, SassyCat97_8,
 FugateOSU_8, Piglet_008, Charles1_8, Hamish_8, Nacho_008, Mesh1_8,
 JangoPhett_8, Olak_8, Antonia_8, Chorkpop_8, LostAndPhound_8, Kikipoo_8,
 Lego3393_8, Beaglebox_8, HighStump_8, PG1_8, Vortex_8, DoIOn_10, Mulan_8,
 PinheadLarry_8, Mecca_8, Mosaic_8, ShadowBud_8, Altwerkus_8, Pherdinand_8,
 Cornbread_8, Phunky_8, Bluephacebaby_8, Gareth_8, Serpentine_008,
 Phamished_8, AngelCake_8, CamL_8, Telesworld_8, Maru_8, Jillium_8, Magic8_8,
 Cannibal_8, Vaticameos_8, Podrick_8, Ricotta_8, PhrodoBaggins_8, Dati_8,
 Gwilliam_8, Quisquilliae_8, Waterdiva_8, Manad_8, Murdoc_8, Lasso_8, Daka_8,
 Phareon_8, Schueller_8, Cher_8, Cornobble_8, Morgushi_8, Zelda_8, Kwadwo_8,
 Squid_8, PhatCats2014_8, Slatt_8, Samaymay_8, Chah_8, Vivaldi_8, Mcshane_8,
 UncleHowie_8, Numberten_8, Tomlarah_8
 • Track 23 : Fozzie_8, Brilliant_8, Plmatters_8, Held_8, Chunky_8, DaddyDaniels_8,
 LeiMonet_8, Crownjwl_9, KingVeVeVe_8, Mesmerelda_8, Chuni_8, Lumine_8,
 RedRaider89_9, Khan1_8, Roliet_8, Melc17_8, Lulumae_8, MitKao_8, Roy17_8,
 ElvisPhasley_8, Phipps_8, Longacauda_8, JakeO_8, MrPhizzler_8, Jesabah_8,
 Etaye_8, Soile_8, Swiphy_8, Gwennie1_8, Durga_8, LuckyMarjie_8, Soto_8,
 Jiminy_8, Daffy_8, JDog_8, FleetyMac_8, AltPhacts_8, Nathan_8, Dione_8,
 Roscoe_9, KLUcky39_8, Coletti_8, DelRivs_8, Harvey_8, Zonia_8, Haleema_8,
 Scrick_8, Jiraiya_8, OSmaximus_8, Horchata_8, Duggie_8, Pacifista_8, Giraffe_8,
 SDcharge11_8, GeneCoco_8, Iridessa_8, Sheila_8, Chute_8, Dingo_8, MiniBoss_8,
 PhatLouie_8, Mikota_8, BlueHusk_8, Orfeu_8, Rimu_8, Doddsville_8
 • Track 24 : Swish_8, Sophia_8
 • Track 25 : Riverton_8, Happabalu_8
 • Track 26 : Basato_9, Plata_8, Jbug01_8, Karn_8, Kiwot_8, HogWash_8, Nova1_8,
 Taraxa_8, Aleia_8, Thunderbird_8, Salazzle_8, Vectra_8
 • Track 27 : Nehme_8
 • Track 28 : Gophee_8, OneBrain_8, NiaNia_8, FremontTroll_9, GreenChile_9,
 Katniss_8, Hekos_8, TooFast2Furius_9, Larson_9, CheetO_8
 • Track 29 : Schadenfreude_8
 • Track 30 : Hocus_8
 • Track 31 : Inverness_8, Bishoperium_8, Triad_8, Olive_8, Megamind20_9,
 Anderson_8
 • Track 32 : Windsor_8, Trypo_8, Chaelin_8
 • Track 33 : Carthage_8
 • Track 34 : Keitherie_8
 • Track 35 : SirBeauregard_8
 • Track 36 : EmGer13_8, SallyH_9
 • Track 37 : Imvubu_5
 • Track 38 : Indlovu_9
 • Track 39 : LilMcDreamy_10
 • Track 40 : Zenteno07_13
 • Track 41 : BirdsNest_12
 • Track 42 : Hashim76_13
 • Track 43 : LittleMinkey_14
 • Track 44 : Boyle_12, Glass_12

- Track 45 : Arbiter_12
- Track 46 : Kheth_12, Ares_12, Eaglehorse_12, Lephleur_12, FrenchFry_12, Calamitous_12, Blocker23_12, LizLemon_12, Rhinoforte_12, Faze9_12, Lars_12, Kaleb_12, Brownie5_12, Rosebush_12, LilSmirk_12, Tinciduntolum_13, West99_12, Qyrzula_12, Hedgerow_12, Opia_12, Sabella_12, MasterPo_12, Bananafish_12, Coffee_12
- Track 47 : Godines_12, ItsyBitsy1_12, Phantasmagoria_12, Tres_12, PrinceCharming_12, Kolhan_12, Allegro_12, Holeinone_12
- Track 48 : TA17A_12
- Track 49 : Laurie_12
- Track 50 : Vic9_00012
- Track 51 : Jackstina_10, Yinz_11, Casbah_10, Compostia_11, Neos5_11, Corofin_11, Chandler_11, Baloo_11, Chalmers_11, Halfpint_10, Daisy_11, Athena_12, RomaT_11, ChaChing_11, Philly_10, Abinghost_11, Yahalom_11, Kamiyu_11, OrangeOswald_11, Nozo_11, Tydolla_11, Gadget_12, MmasiCarm_11, Devonte_11
- Track 52 : GlenHope_12, Chentzyk_10, Audrey_11, Olivio_10, HarveySr_11, Ben11_10, Marlia_11, Mulaychimus_11, Briakila_11, Heathcliff_11, SwainyDoc_11, Gervas_11, Rita1961_11, Phaedrus_10, Morty007_11, Glubnar_11, Marley1013_11, SlippinJimmy_11, TinyTerror_11, Phlyer_11, Phayeta_11, Shenandoah_11
- Track 53 : RagingRooster_11, Deenasa_11, SynergyX_11
- Track 54 : Pipefish_11, Bernardo_11, Kronus_10, Mortcellus_10, Akoma_11, LestyG_11, Obutu_11
- Track 55 : JAMaL_8
- Track 56 : Apex_8, Mudslide_9, Prince_9
- Track 57 : Fortunato_9
- Track 58 : VioletZ_9, Heath_9
- Track 59 : Antihero_8, Lambano_8, Epah_8, Poster_8, Hally898_8, Nanao_8
- Track 60 : Cooper_9
- Track 61 : Ahwei_8
- Track 62 : Stinger_7
- Track 63 : Hydro_9, Lolalove_9, JoyceMaria_9, BobbyK_9, Hangman_9, Zemanar_10
- Track 64 : Renkei_8, LittleDigger_8
- Track 65 : AlanGrant_10, Vincenzo_10
- Track 66 : Magpie_9
- Track 67 : QueenPie_9
- Track 68 : Xincheng_9
- Track 69 : GinPorsche_8
- Track 70 : JaguarMi_10
- Track 71 : Fanaw_9
- Track 72 : Frederick_9
- Track 73 : Nigel_7
- Track 74 : Mithril_9
- Track 75 : ChrisnMich_8
- Track 76 : Waleliano_9, BrownCNA_10
- Track 77 : Austelle_9
- Track 78 : RawrgerThat_9
- Track 79 : DigitDog_10, Shenyu_10, Nangang_10
- Track 80 : KarasumaRum_11, StinkyVeggy_11
- Track 81 : Rich_10
- Track 82 : Phelemich_10, Reprobate_10
- Track 83 : Mysterious_10, Nehemiah_9

- Track 84 : SirJeffery_10, Donny_10, Suigeneris_10, Rita130_10, Reccee_10
- Track 85 : Acadian_10
- Track 86 : Baee_10
- Track 87 : Serendipitous_10
- Track 88 : EastView9101_10
- Track 89 : 40BC_07, 39HC_07
- Track 90 : KayaCho_7
- Track 91 : Hosp_05
- Track 92 : Minnow_7
- Track 93 : Jolie1_07
- Track 94 : ForDig_7
- Track 95 : Saguaro_11
- Track 96 : Thonko_7
- Track 97 : Quesadilla_11
- Track 98 : PenguinLover67_12
- Track 99 : Knocker_14
- Track 100 : Funsized_14
- Track 101 : CRB2_11
- Track 102 : Rinkes_13
- Track 103 : Maih_10, BayC_10, Salette_10
- Track 104 : TP1604_10
- Track 105 : Mischief19_11
- Track 106 : Asis_10
- Track 107 : Xkcd426_11
- Track 108 : Abt2graduatex2_10
- Track 109 : YDN12_11
- Track 110 : RainyPolka_10
- Track 111 : BabyGotBac_10
- Track 112 : Makar_42
- Track 113 : Grumio_41
- Track 114 : Purplicious_39
- Track 115 : Stillion_40
- Track 116 : Jollymon_41, ColdSoup_42, Amo99_42
- Track 117 : Clawz_41
- Track 118 : Soos_37, DonTron_41
- Track 119 : Sting_40, KingstonB_39
- Track 120 : Fugax_12, PinkCoffee_12, Mutzi_12, KimmyK_12, ClamChowder_12, Barb_12, Salvador_12, Twister6_12, Evamon_12, CoveyB_12, Togo_12, Danyall_12, SmokingBunny_12
- Track 121 : YungMoney_12
- Track 122 : Shinji_12, Jambalaya_12, Savbucketdawg_12, JohnPork_12, Portcullis_12, TillyBobJoe_12
- Track 123 : Halo3_13
- Track 124 : Sixsevenium_13, SharkTale_12, Bakery_13
- Track 125 : RogerDodger_13
- Track 126 : Fireball_13, Sendy_12, Gezellig_12, Phlop_12, Egi03_12, Wizard_12, PullumCavea_12
- Track 127 : CherryCola_13, Valary_13
- Track 128 : Arri_13
- Track 129 : Nubi_12
- Track 130 : VanDeWege_13
- Track 131 : Clown_16
- Track 132 : YorkOnyx_12

- Track 133 : Bibwit_12, Rofo_12, Nordenberg_7, Galadriel_14
- Track 134 : Ailee_12, Angelicage_12, Keitabear_13
- Track 135 : McCrothy_13
- Track 136 : Sitar_13, Lennon_13
- Track 137 : Charming_10, Tangent_10, Paries_13, BobBob_10, Brandonk123_15
- Track 138 : Bizzy_13, Saronaya_12, Kwobi_12, Gustavo_12, LilHam_10, Ashertheman_12, SchottB_11, Ribeye_13
- Track 139 : Stichling_12, Derg_8
- Track 140 : Love_14
- Track 141 : Fosterous_10
- Track 142 : Brawn1_11, Jabberwocky_11, Fitzgerald_11, Kewpiedoll_13, Sanjuju_11
- Track 143 : Sedona_13, FuegoCuervo_16, Barsten_13, Vivi2_11, ChadMasterC_12, Geodirt_12
- Track 144 : Tycho_12, Flatwoods_13
- Track 145 : Kroos_12
- Track 146 : RiverRaider_13
- Track 147 : Kamashten_13, Thing3_13
- Track 148 : Baumdotcom_12, StorminNorm_12, Tangerine_12, Gaea_12
- Track 149 : MoontowerMania_11
- Track 150 : Stultus_12
- Track 151 : Shivanishola_12
- Track 152 : Baddon_12
- Track 153 : McKinley_13
- Track 154 : Affeca_12
- Track 155 : JKSyngboy_11
- Track 156 : MelBins_13
- Track 157 : Leonard_13, Inspectinfecti_14, Phinally_13, Ali17_11
- Track 158 : EMOore_7
- Track 159 : Hans_15, Phauci_6
- Track 160 : Dexdert_14
- Track 161 : Tiamoceli_14, Chickadee_13, EdmundFerry_12, Twonlo_11, RoadKill_11
- Track 162 : GTE6_14
- Track 163 : Kwekel_13
- Track 164 : Verity_14, Delrey21_14, DoctorFroggo_14
- Track 165 : Scioto_14, ViaConlectus_14, Abblin_14, Natkenzie_14, Sampson_14
- Track 166 : Tardus_14
- Track 167 : APunk_15
- Track 168 : Zitch_15
- Track 169 : Pumpkiney_15
- Track 170 : BigHunkinEater_17
- Track 171 : Zipp_14
- Track 172 : Lilbeanie_13
- Track 173 : Phendrix_65
- Track 174 : GodonK_66
- Track 175 : JellyBelly_8, Coco2012_8, Mariokart_8
- Track 176 : Wooper_10
- Track 177 : AksarBAT_8
- Track 178 : Shatter_8, Fresco_8, Axumite_8
- Track 179 : AnarQue_10
- Track 180 : TraderJ_10
- Track 181 : CaiB_10

- Track 182 : Yago84_7, Sisko_7, AnClar_7
- Track 183 : Blackpen_10
- Track 184 : MakoManhole_10
- Track 185 : NHagos_8
- Track 186 : Ligma_8
- Track 187 : Coldpizza_10
- Track 188 : Evaa_9
- Track 189 : BiggityBass_7
- Track 190 : CharlottesWeb_8
- Track 191 : FelixTres_10
- Track 192 : LittleMunchkin_9
- Track 193 : CloverMinnie_10
- Track 194 : BobRoss2024_7
- Track 195 : Yeshua_10
- Track 196 : Sour_11
- Track 197 : MossRose_10
- Track 198 : Mareelih_76, Boopy_77, BlueNGold_76, Forza_77
- Track 199 : Sixama_72
- Track 200 : GMA2_9
- Track 201 : Ramiel05_19, CrazyRich_19, Shotgun_19, Kowalski_19, Rockwell_19, Savannah_19
- Track 202 : LittleFortune_21, Yeti_20, Phorgeous_19
- Track 203 : Jefe_20
- Track 204 : Shrubaron_20, Metamorphoo_20
- Track 205 : ClearAsMud_22
- Track 206 : Jayden_20
- Track 207 : NoodlelyBoi_19
- Track 208 : Megan_13
- Track 209 : KaiHaiDragon_20, EarickHC_20
- Track 210 : Phrancesco_21, Scumberland_21, Honeyfin_21
- Track 211 : Gina_20, Teamocil_20
- Track 212 : Paschalis_19, PierreOrion_20
- Track 213 : Skugga_18
- Track 214 : Ariadne_28
- Track 215 : Merry_, Sunny_
- Track 216 : Germa_21
- Track 217 : BrazzalePHS_19
- Track 218 : Hermeonysus_19, Busephilis_20
- Track 219 : Ganandorf_19
- Track 220 : Cranjis_21
- Track 221 : Crisis_21
- Track 222 : Jollipop_20
- Track 223 : Pulchra_21
- Track 224 : Lucretia_20
- Track 225 : Glorp_21
- Track 226 : Smarties_28
- Track 227 : Quhwah_22
- Track 228 : Antares_20
- Track 229 : Tyumbra_18
- Track 230 : PhedwardCullen_19
- Track 231 : Zapato_17
- Track 232 : Piperis_20
- Track 233 : SirFrank_19

- Track 234 : PiperSansNom_20
- Track 235 : Onika_19, BeagleBug_19
- Track 236 : Selwyn23_21
- Track 237 : Fireman_20
- Track 238 : Nicole72_14
- Track 239 : RobsFeet_21
- Track 240 : Llemily_21, StrawberryJamm_24, Quammi_20, Zagie_22, Teehee_23, WheelerS25_27, Judebell_24, Wayne3_23, Rudy_20, SlySloth_24, FrankDeliGuy_19, DonaldDuck_21, Lonelysoil_21, Sillytadpoles_21, Phabia_22, ZestyBestie_20, Casend_23, Viceroy_21, Wheelie_21, Jehoshaphat_24, Tissue_22
- Track 241 : Statler_23, BaconCheese_24, Mila11_24, Rowlf_18, BabyDotz_21
- Track 242 : Mentos_24, Hyperion_21, Grassboy_23, Kyva_24, Mashley_20
- Track 243 : Tempo_21, KillerQueen_22, Kelcole_20, Fregley_22, RobinRose_23, Romm_23
- Track 244 : CandC_20, OneinaGillian_21
- Track 245 : Wilca_21, BirdInFrench_21, Spiderpig_21
- Track 246 : Squash_24, Nike_22
- Track 247 : Fransoyer_24, RubyRalph_24
- Track 248 : Blab_20, Gazebo_21
- Track 249 : AluminumJesus_20
- Track 250 : LilCahh_21
- Track 251 : SadLad_25
- Track 252 : Altheas_24
- Track 253 : MorillMayhem_22
- Track 254 : Fizzles_22
- Track 255 : Zhafia_24, Namago_22
- Track 256 : Pepe25_20
- Track 257 : Marcie_26
- Track 258 : Phinky_28
- Track 259 : EverythinBagel_21
- Track 260 : SallyK_23
- Track 261 : Margaery_12
- Track 262 : Cressida_13
- Track 263 : Matzah_13
- Track 264 : Kozi_14
- Track 265 : Cinna_12
- Track 266 : MementoMori_13
- Track 267 : Terij_13
- Track 268 : KSunshine22_70, Ellewin_64, Emmetator_68, Artu_68, BooTeria_66
- Track 269 : Rockabye_75
- Track 270 : WaddleDee_63, DunneganBoMo_65
- Track 271 : Chilliams_73
- Track 272 : Atuin_70, LeoJr_75, ReginaGlobina_75
- Track 273 : Mimi_76, Patbob_74, Racecar_77
- Track 274 : FrostedClock_79, Bloom_80
- Track 275 : Panchaali_68
- Track 276 : Phrampa_68
- Track 277 : Talia1610_76
- Track 278 : FloraSnap32_75
- Track 279 : SJReid_79
- Track 280 : Stewart25555_66
- Track 281 : GoldenEssence_62
- Track 282 : RomansRevenge_13

- Track 283 : Boise_13
- Track 284 : PauloDiaboli_82, Dodo_84, A3Wally_82
- Track 285 : Erasmago_75
- Track 286 : Zooman_67
- Track 287 : Big4_71
- Track 288 : Cece_66
- Track 289 : Pumpernickel_80
- Track 290 : MisoSoup_11
- Track 291 : FuzzBuster_24
- Track 292 : Laure_78
- Track 293 : Taptic_6, Jeon_6, Megabear_6
- Track 294 : Argie_7, GodPhather_7, Cepens_6
- Track 295 : D12_06, PR_06
- Track 296 : Sunfish_26
- Track 297 : Kithara_22
- Track 298 : Tonitrus_26
- Track 299 : Pine5_11
- Track 300 : phiAsp2_4
- Track 301 : TPA2_17
- Track 302 : TurkishDelight_11

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

The start number called the most often in the published annotations is 30, it was called in 453 of the 780 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

• 39HC_07, 40BC_07, ABU_8, Abinghost_11, AbsoluteMadLad_8, Acadian_10, Adriana_8, Aelin_8, Ahwei_8, Akoma_11, AksarBAT_8, AlanGrant_10, Allegro_12, AltPhacts_8, Altwerkus_8, AnClar_7, AnarQue_10, Andre_8, AngelCake_8, Antihero_8, Antonia_8, Aonishiki_8, Apex_8, Apizium_8, Arbiter_12, Ares_12, Argie_7, Ashraf_8, Athena_12, Audrey_11, Austelle_9, Axumite_8, Badfish_8, Baee_10, Baloo_11, Bananafish_12, Banjo_8, BatteryCK_8, Beaglebox_8, Ben11_10, Bernardo_11, BiggityBass_7, BirdsNest_12, BlackStallion_8, BlacksBerry_8, Blocker23_12, BlueHusk_8, Bluephacebaby_8, BobRoss2024_7, BobbyK_9, Boehler_8, BoogieWoogie_8, Boyle_12, Briakila_11, Brilliant_8, BrownCNA_10, Brownie5_12, Buckeye_8, Burr_8, CRB2_11, Calamitous_12, CamL_8, CampRoach_8, Cannibal_8, Carthage_8, Casbah_10, Caspiboi_8, Caterpie_6, Causa_16, Cepens_6, ChaChing_11, Chaelin_8, Chah_8, Chalmers_11, Chandler_11, Charles1_8, CharlieGBrown_8, CharlottesWeb_8, Chentzyk_10, Cher_8, Childish_8, Chipette_9, Chorkpop_8, ChrisnMich_8, Chuni_8, Chunky_8, Chute_8, CloverMinnie_10, Cobra_8, Coffee_12, Colbert_8, Coldpizza_10, Coletti_8, Compostia_11, Cooper_9, Cornbread_8, Cornobble_8, Corofin_11, Cosmolli16_8, Craff_8, Crownjwl_9, DaddyDaniels_8, Daffy_8, Daisy_11, Daka_8, Dati_8, Deenasa_11, DelRivs_8, Derpp_8, Devonte_11, Dice_8, DigitDog_10, Dingo_8, Dione_8, DirtJuice_8, Doddsville_8, DoesntMatter_8, DolOn_10, DonSancho_8, Donny_10, DuchessDung_8, Duggie_8, Durga_8, Eaglehorse_12, EastView9101_10, ElvisPhasley_8, Emiris_8, EmpTee_8, Epah_8, Eremos_8, Etaye_8, Eugenia_8, Evaa_9, Fang_8, Faze9_12, FelixTres_10, Flake_8, FleetyMac_8, FluffyNinja_8, ForDig_7, Fortunato_9, Fozzie_8, Frankicide_8, Frederick_9, FrenchFry_12,

Fresco_8, Freya_8, FriarPreacher_8, Fringe_8, FugateOSU_8, Funsized_14, Gadget_12, Gareth_8, GeneCoco_8, Gervas_11, GinPorsche_8, Giraffe_8, Glass_12, GlenHope_12, Glubnar_11, GodPhather_7, Godines_12, Grand2040_8, Gwennie1_8, Gwilliam_8, Gyarad_008, HSavage_8, Haimas_8, Haleema_8, Halfpint_10, Hally898_8, Hamish_8, Hangman_9, Hartsy_8, HarveySr_11, Harvey_8, Hashim76_13, Heath_9, Heathcliff_11, Hedgerow_12, Held_8, HenryJackson_8, Hertubise_8, Hetaeria_8, HighStump_8, Hocus_8, Holeinone_12, Horchata_8, Hosp_05, Hydro_9, ImtiyazSitla_8, Imvubu_5, Inchworm_8, Indlovu_9, Iridessa_8, Iridoclysis_8, IsaacEli_8, ItsyBitsy1_12, JAMaL_8, JDog_8, JacAttac_8, Jackstina_10, JaguarMi_10, JakeO_8, JangoPhett_8, Jesabah_8, Jillium_8, Jiminy_8, Jiraiya_8, JohnLord_7, Jolie1_07, JoyceMaria_9, KLUcky39_8, Kahve_8, Kailash_8, Kaleb_12, Kamiyu_11, KarasumaRum_11, KayaCho_7, Keitherie_8, Khan1_8, Kheth_12, Kikipoo_8, Kimbrough_8, KingTut_8, KingVeVeVe_8, KlimbOn_8, Kloppinator_8, Klocker_14, Kolhan_12, Kronus_10, Kwadwo_8, Kwksand96_8, Labeouficaum_8, Lambano_8, Lars_12, LasagnaCat_8, Lasso_8, Laurie_12, LeeLot_8, Lego3393_8, Legolas_8, Lehmann_9, LeiMonet_8, LemonSlice_8, Lephleur_12, LestyG_11, LilMcDreamy_10, LilSmirk_12, LittleDigger_8, LittleMinkey_14, LittleMunchkin_9, LizLemon_12, Lolalove_9, Longacauda_8, Lopsy_8, LostAndPhound_8, LuckyMarjie_8, Lulumae_8, Lulwa_8, Lumine_8, MRabcd_8, Mag7_8, Magic8_8, Magpie_9, MakoManhole_10, Mana_8, Manad_8, Marley1013_11, Marlia_11, Maru_8, Maskar_8, MasterPo_12, Matalotodo_8, Mcshane_8, Mecca_8, Megatron_8, Melc17_8, MelsMeow_8, Mesh1_8, Mesmerelda_8, MichaelPhcott_8, Mikota_8, MiniBoss_8, Minnow_7, MitKao_8, Mithril_9, MmasiCarm_11, Morgushi_8, Mortcellus_10, Morty007_11, Morty_8, Mosaic_8, MrPhizzler_8, Mudslide_9, Mulan_8, Mulaychimus_11, Murdoc_8, Mutante_8, Mysterious_10, NHagos_8, Nacho_008, Nanao_8, Nangang_10, Nathan_8, Nehemiah_9, Nehme_8, Neos5_11, Newman_8, Nicole21_8, Nigel_7, Nozo_11, Numberten_8, Nyala_8, OSmaximus_8, Obutu_11, Olak_8, Oline_8, OliverWalter_8, Olivio_10, Omniscient_8, Oosterbaan_8, Opiä_12, OrangeOswald_11, Orfeu_8, Orion_8, Orwigg_8, PG1_8, Pacifista_8, PallasAthena_8, Penguin Lover67_12, Phaedrus_10, Phamished_8, Phantasmagoria_12, Phareon_8, PhatCats2014_8, PhatLouie_8, Phayeta_11, Phelemich_10, PhenghisKhan_8, Pherdinand_8, Phergie_8, Philly_10, Phipps_8, Phleuron_8, Phlyer_11, PhrankReynolds_8, PhrodoBaggins_8, Phunky_8, Piglet_008, PinheadLarry_8, Pinkman_8, Pipefish_11, Pipsqueak_8, Placalicious_8, Plmatters_8, Podrick_8, Pops_8, Poster_8, Potter_8, Prickles_8, PrinceCharming_12, Prince_9, ProfessorX_8, Puhltonio_8, QueenBeane_8, QueenPie_9, Quesadilla_11, Quisquilliae_8, Qyrzula_12, RagingRooster_11, Reccee_10, RedMaple_8, RedRaider89_9, Renkei_8, Reprobate_10, Rhinoforte_12, Rich_10, Ricotta_8, Riggan_8, Rimu_8, Rinkes_13, Rita130_10, Rita1961_11, Robyn_8, Roliet_8, RomaT_11, Roscoe_9, Rosebush_12, Roy17_8, SDcharge11_8, Sabella_12, Saguario_11, Samaymay_8, SassyCat97_8, Schadenfreude_8, Schueller_8, Scoot17C_8, Scrick_8, Selr12_8, Serendipitous_10, Serendipity_8, Serpentine_008, ShadowBud_8, Shatter_8, Sheila_8, Shenandoah_11, Shenyu_10, ShiVal_8, Sigman_8, SilverBell_8, Simielle_8, SirJeffery_10, Sisko_7, Skippy_8, Slatt_8, SlippinJimmy_11, Soile_8, Solosis_8, Sophia_8, Soto_8, Sour_11, Spartan300_8, Squid_8, Squiggle_8, StAugustine_14, Stinger_7, StinkyVeggy_11, Struggle_8, Suffolk_8, Suigeneris_10, Surely_8, SwainyDoc_11, Swiphy_8, Swish_8, SynergyX_11, TA17A_12, TPA2_17, TallGrassMM_8, Telesworld_8, Thonko_7, Thora_8, ThreeOh3D2_8, Timmi_8, Tinciduntolum_13, TinyTerror_11, TomBombadil_8, Tomlarah_8, Toni_8, Tooj_8, Tres_12, True_8, Trypo_8, Tydolla_11, TyrionL_8, UAch1_8, UncleHowie_8, Usavi_8, Vaishali24_8, Valjean_8, Vaticameos_8, Veritas_8, Vic9_00012, Vincenzo_10, VioletZ_9, Virapocalypse_8,

Virgeve_8, Vista_8, Vivaldi_8, Vortex_8, Waleliano_9, Wallhey_8, Waterdiva_8, Weher20_8, West99_12, Windsor_8, Wooper_10, Xavier_8, Yago84_7, Yahalom_11, Yeshua_10, Yinz_11, Yoshand_8, YouGoGlencoco_8, Zaider_9, Zelda_8, Zemanar_10, Zenteno07_13, Zonia_8,

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

- Aleia_8, Anderson_8, Basato_9, Bishoperium_8, Blackpen_10, CaiB_10, CheetO_8, Coco2012_8, D12_06, Dori_7, EmGer13_8, Fanaw_9, FremontTroll_9, Gophee_8, GreenChile_9, Happabalu_8, Hekos_8, HogWash_8, Inverness_8, Jbug01_8, JellyBelly_8, Jeon_6, Karn_8, Katniss_8, Kiwot_8, Larson_9, Ligma_8, Mao1_6, Mariokart_8, Mask_7, Megabear_6, Megamind20_9, MossRose_10, NiaNia_8, Nova1_8, Olive_8, OneBrain_8, PR_06, Plata_8, RawrgerThat_9, Riverton_8, Salazzle_8, SallyH_9, Sejanus_7, SirBeauregard_8, Taptic_6, Taraxa_8, Thunderbird_8, TooFast2Furius_9, TraderJ_10, Triad_8, Vectra_8, Xincheng_9,

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

- A3Wally_82, APunk_15, AWGoat_17, Abblin_14, Abt2graduatex2_10, Affeca_12, Ailee_12, Ali17_11, Altheas_24, AluminumJesus_20, Amo99_42, Angelicage_12, Antares_20, Ariadne_28, Arri_13, Artu_68, Ashertheman_12, Asis_10, Atuin_70, BabyDotz_21, BabyGotBac_10, BaconCheese_24, Baddon_12, Bakery_13, Barb_12, Barsten_13, Baumdotcom_12, BayC_10, BeagleBug_19, Beagle_23, BetaFish_22, Bibwit_12, Big4_71, BigHunkinEater_17, BirdInFrench_21, Bizzy_13, Blab_20, Bloom_80, BlueNGold_76, BobBob_10, Boise_13, BooTeria_66, Boopy_77, Brandonk123_15, Brawn1_11, BrazzalePHS_19, BruhMoment_18, Busephilis_20, CandC_20, Casend_23, Cece_66, ChadMasterC_12, Charming_10, CherryCola_13, Chickadee_13, Chilliams_73, Cinna_12, ClamChowder_12, Clawz_41, ClearAsMud_22, Clown_16, ColdSoup_42, CoveyB_12, Cranjis_21, CrazyRich_19, Cressida_13, Crisis_21, Danyall_12, Delrey21_14, Derg_8, Dexdert_14, DoctorFroggo_14, Dodo_84, DogYard_22, DonTron_41, DonaldDuck_21, DunneganBoMo_65, EMOore_7, EarickHC_20, EdmundFerry_12, Egi03_12, Ellewin_64, Emmetator_68, Erasmago_75, Evamon_12, EverythinBagel_21, Fireball_13, Fireman_20, Fitzgerald_11, Fizzles_22, Flatwoods_13, FloraSnap32_75, Forrestell_19, Forza_77, Fosterous_10, FrankDeliGuy_19, Fransoyer_24, Fregley_22, FrostedClock_79, FuegoCuervo_16, Fugax_12, FuzzBuster_24, GMA2_9, GTE6_14, Gaea_12, Galadriel_14, Ganandorf_19, Gazebo_21, Geodirt_12, Germa_21, Gezellig_12, Gina_20, Glorp_21, GodonK_66, GoldenEssence_62, Grassboy_23, Grumio_41, Gustavo_12, Halo3_13, Hans_15, Hermeonysus_19, Hive_22, Honeyfin_21, Hyperion_21, Inspectinfecti_14, JKSyngboy_11, Jabberwocky_11, Jambalaya_12, Jayden_20, Jefe_20, Jehoshaphat_24, JohnPork_12, Jollipop_20, Jollymon_41, Judebell_24, KSunshine22_70, KaiHaiDragon_20, Kamashten_13, Keitabear_13, Kelcole_20, Kewpiedoll_13, KillerQueen_22, KimmyK_12, KingstonB_39, Kithara_22, Kowalski_19, Kozi_14, Kroos_12, Kubulix_23, Kwekel_13, Kwobi_12, Kyva_24, Laure_78, Lennon_13, LeoJr_75, Leonard_13, LilCahh_21, LilHam_10, Lilbeanie_13, LittleFortune_21, Llemily_21, Lonelysoil_21, Love_14, Lucretia_20, Maih_10, Makar_42, Marcie_26, Mareelih_76, Margaery_12, Mashley_20, Matzah_13, McCrothy_13, McKinley_13, Megan_13, MelBins_13, MellowYellow_19, MementoMori_13, Mentos_24, Merry_, Metamorphoo_20, Mila11_24, Mimi_76, Mischief19_11, MisoSoup_11, MoontowerMania_11, MorillMayhem_22, Mutzi_12, Namago_22, Natkenzie_14, Nicole72_14, Nikan_18, Nike_22, NoodlelyBoi_19, Nordenberg_7, Nubi_12, NyleyClemson_18, Odyssey395_24, Ollypop_20, OneinaGillian_21, Onika_19, Panchaali_68, Paries_13, Paschalis_19, Patbob_74, PauloDiaboli_82, Pepe25_20, Phabia_22, Phauci_6, PhedwardCullen_19,

Phendrix_65, Phinally_13, Phinky_28, Phlop_12, Phorgeous_19, Phrampa_68, Phrancesco_21, PhuzzTulsa_20, PierreOrion_20, Pine5_11, PinkCoffee_12, PiperSansNom_20, Piperis_20, Pointis_22, Popstraw_21, Portcullis_12, Pulchra_21, PullumCavea_12, Pumpernickel_80, Pumpkiney_15, Pureglobe5_24, Purplicious_39, Quammi_20, Quhwah_22, RIPWilbur_20, Racecar_77, RainyPolka_10, Ramiel05_19, Ranunculus_17, RazzB_18, ReginaGlobina_75, Ren19_18, Ribeye_13, RiverRaider_13, Rizwana_16, RoadKill_11, RobinRose_23, RobsFeet_21, Rockabye_75, Rockwell_19, Rofo_12, RogerDodger_13, RomansRevenge_13, Romm_23, Rowlf_18, RubyRalph_24, Rudy_20, SJReid_79, SadLad_25, Saletе_10, SallyK_23, Salvador_12, Sampson_14, Sanjuju_11, Saronaya_12, Savannah_19, Savbucketdawg_12, SchottB_11, Scioto_14, Scumberland_21, Sedona_13, Selwyn23_21, Sendy_12, SharkTale_12, Shinji_12, Shivanishola_12, Shotgun_19, Shrubaron_20, SilentRX_18, Sillytadpoles_21, SirFrank_19, Sitar_13, Sixama_72, Sixsevenium_13, Skugga_18, SlySloth_24, Smarties_28, SmokingBunny_12, Soos_37, Spiderpig_21, Squash_24, Statler_23, Stewart25555_66, Stichling_12, Stillion_40, Sting_40, StorminNorm_12, StrawberryJamm_24, Stultus_12, Sunfish_26, Sunny_, TP1604_10, Talia1610_76, Tangent_10, Tangerine_12, Tank_17, Tardus_14, Teamocil_20, Teehee_23, Tempo_21, Terij_13, Thing3_13, Tiamoceli_14, TillyBobJoe_12, Tissue_22, Togo_12, Tonitrus_26, TurkishDelight_11, Twister6_12, Twonlo_11, Tycho_12, Tyumbra_18, Valary_13, VanDeWege_13, Verity_14, ViaConlectus_14, Viceroy_21, Vivi2_11, WaddleDee_63, Wayne3_23, WheelersS25_27, Wheelie_21, Wilca_21, Wilde_17, Wizard_12, Xkcd426_11, YDN12_11, Yeti_20, YorkOnyx_12, YungMoney_12, Zagie_22, Zapato_17, ZestyBestie_20, Zhafia_24, Zipp_14, Zitch_15, Zooman_67, phiAsp2_4,

Summary by start number:

Start 2:

- Found in 2 of 889 (0.2%) of genes in pham
- Manual Annotations of this start: 2 of 780
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Merry_ (EC), Sunny_ (EC),

Start 6:

- Found in 2 of 889 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 780
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Lilbeanie_13 (DE5),

Start 7:

- Found in 124 of 889 (13.9%) of genes in pham
- Manual Annotations of this start: 114 of 780
- Called 100.0% of time when present
- Phage (with cluster) where this start called: APunk_15 (DE4), Abblin_14 (DE4), Affeca_12 (DE1), Ailee_12 (DE1), Ali17_11 (DE2), Angelicage_12 (DE1), Arri_13 (DC1), Ashertheman_12 (DE1), Baddon_12 (DE1), Bakery_13 (DC1), Barb_12 (DC1), Barsten_13 (DE1), Baumdotcom_12 (DE1), Bibwit_12 (DE1), BigHunkinEater_17 (DE4), Bizzy_13 (DE1), BobBob_10 (DE1), Brandonk123_15 (DE1), Brawn1_11 (DE1), ChadMasterC_12 (DE1), Charming_10 (DE1), CherryCola_13 (DC1), Chickadee_13 (DE3), ClamChowder_12 (DC1), Clown_16 (DC2), CoveyB_12 (DC1), Danyall_12 (DC1), Delrey21_14 (DE4), Derg_8 (DE1), Dextert_14 (DE3), DoctorFroggo_14 (DE4), EMoore_7 (DE2), EdmundFerry_12

(DE3), Egi03_12 (DC1), Evamon_12 (DC1), Fireball_13 (DC1), Fitzgerald_11 (DE1), Flatwoods_13 (DE1), Fosterous_10 (DE1), FuegoCuervo_16 (DE1), Fugax_12 (DC1), GTE6_14 (DE3), Gaea_12 (DE1), Galadriel_14 (DE1), Geodirt_12 (DE1), Gezellig_12 (DC1), Gustavo_12 (DE1), Halo3_13 (DC1), Hans_15 (DE2), Inspectinfecti_14 (DE2), JKSyngboy_11 (DE1), Jabberwocky_11 (DE1), Jambalaya_12 (DC1), JohnPork_12 (DC1), Kamashten_13 (DE1), Keitabear_13 (DE1), Kewpiedoll_13 (DE1), KimmyK_12 (DC1), Kroos_12 (DE1), Kwekel_13 (DE3), Kwobi_12 (DE1), Lennon_13 (DE1), Leonard_13 (DE2), LilHam_10 (DE1), Love_14 (DE1), McCrothy_13 (DE1), McKinley_13 (DE1), MelBins_13 (DE2), MoontowerMania_11 (DE1), Mutzi_12 (DC1), Natkenzie_14 (DE4), Nordenberg_7 (DE1), Nubi_12 (DC1), Paries_13 (DE1), Phauci_6 (DE2), Phinally_13 (DE2), Phlop_12 (DC1), PinkCoffee_12 (DC1), Portcullis_12 (DC1), PullumCavea_12 (DC1), Pumpkiney_15 (DE4), Ribeye_13 (DE1), RiverRaider_13 (DE1), RoadKill_11 (DE3), Rofo_12 (DE1), RogerDodger_13 (DC1), Salvador_12 (DC1), Sampson_14 (DE4), Sanjuju_11 (DE1), Saronaya_12 (DE1), Savbucketdawg_12 (DC1), SchottB_11 (DE1), Scioto_14 (DE4), Sedona_13 (DE1), Sendy_12 (DC1), SharkTale_12 (DC1), Shinji_12 (DC1), Shivanishola_12 (DE1), Sitar_13 (DE1), Sixsevenium_13 (DC1), SmokingBunny_12 (DC1), Stichling_12 (DE1), StorminNorm_12 (DE1), Stultus_12 (DE1), Tangent_10 (DE1), Tangerine_12 (DE1), Tardus_14 (DE4), Thing3_13 (DE1), Tiamoceli_14 (DE3), TillyBobJoe_12 (DC1), Togo_12 (DC1), Twister6_12 (DC1), Twonlo_11 (DE3), Tycho_12 (DE1), Valary_13 (DC1), VanDeWege_13 (DC1), Verity_14 (DE4), ViaConlectus_14 (DE4), Vivi2_11 (DE1), Wizard_12 (DC1), YorkOnyx_12 (DE1), YungMoney_12 (DC1), Zipp_14 (DE4), Zitch_15 (DE4),

Start 12:

- Found in 63 of 889 (7.1%) of genes in pham
- Manual Annotations of this start: 40 of 780
- Called 71.4% of time when present
- Phage (with cluster) where this start called: Antares_20 (EC), BeagleBug_19 (EC), Busephilis_20 (EC), ClearAsMud_22 (EC), Cranjis_21 (EC), CrazyRich_19 (EC), Crisis_21 (EC), FuzzBuster_24 (GM), Germa_21 (EC), Gina_20 (EC), Hermeonysus_19 (EC), Honeyfin_21 (EC), Jayden_20 (EC), Jefe_20 (EC), Jollipop_20 (EC), Kowalski_19 (EC), LittleFortune_21 (EC), Lucretia_20 (EC), Megan_13 (EC), MementoMori_13 (EI), Metamorphoo_20 (EC), Nicole72_14 (EC), NoodlelyBoi_19 (EC), Onika_19 (EC), Paschalis_19 (EC), Phorgeous_19 (EC), Phrancesco_21 (EC), PierreOrion_20 (EC), PiperSansNom_20 (EC), Piperis_20 (EC), Pulchra_21 (EC), Quhwah_22 (EC), Ramiel05_19 (EC), RobsFeet_21 (EC), Rockwell_19 (EC), Savannah_19 (EC), Scumberland_21 (EC), Selwyn23_21 (EC), Shotgun_19 (EC), Shrubaron_20 (EC), SirFrank_19 (EC), Skugga_18 (EC), Smarties_28 (EC), Teamocil_20 (EC), Yeti_20 (EC),

Start 13:

- Found in 1 of 889 (0.1%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: GMA2_9 (DS),

Start 14:

- Found in 65 of 889 (7.3%) of genes in pham
- Manual Annotations of this start: 16 of 780
- Called 26.2% of time when present
- Phage (with cluster) where this start called: Ariadne_28 (EC), BrazzalePHS_19 (EC), Cinna_12 (EI), Cressida_13 (EI), EarickHC_20 (EC), Fireman_20 (EC),

Ganandorf_19 (EC), Glorp_21 (EC), KaiHaiDragon_20 (EC), Kozie_14 (EI), Margaery_12 (EI), Matzah_13 (EI), MisoSoup_11 (GM), PhedwardCullen_19 (EC), Terij_13 (EI), Tyrumbra_18 (EC), Zapato_17 (EC),

Start 16:

- Found in 2 of 889 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 780
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Phendrix_65 (DK),

Start 21:

- Found in 14 of 889 (1.6%) of genes in pham
- Manual Annotations of this start: 7 of 780
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Dori_7 (AD), Jeon_6 (W), Mao1_6 (AD), Mask_7 (AD), Megabear_6 (W), Sejanus_7 (AD), Taptic_6 (W),

Start 22:

- Found in 30 of 889 (3.4%) of genes in pham
- Manual Annotations of this start: 3 of 780
- Called 10.0% of time when present
- Phage (with cluster) where this start called: Mimi_76 (FC), Patbob_74 (FC), Racecar_77 (FC),

Start 23:

- Found in 2 of 889 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 780
- Called 50.0% of time when present
- Phage (with cluster) where this start called: GodonK_66 (DK),

Start 25:

- Found in 13 of 889 (1.5%) of genes in pham
- Manual Annotations of this start: 8 of 780
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Amo99_42 (CP), Clawz_41 (CP), ColdSoup_42 (CP), DonTron_41 (CP), Grumio_41 (CP), Jollymon_41 (CP), KingstonB_39 (CP), Makar_42 (CP), Purplicious_39 (CP), Soos_37 (CP), Stillion_40 (CP), Sting_40 (CP), Tonitrus_26 (singleton),

Start 26:

- Found in 24 of 889 (2.7%) of genes in pham
- Manual Annotations of this start: 9 of 780
- Called 62.5% of time when present
- Phage (with cluster) where this start called: Atuin_70 (FC), Bloom_80 (FC), Chilliams_73 (FC), DunneganBoMo_65 (FC), FrostedClock_79 (FC), GoldenEssence_62 (FC), LeoJr_75 (FC), Panchaali_68 (FC), Phrampa_68 (FC), ReginaGlobina_75 (FC), Rockabye_75 (FC), SJReid_79 (FC), Stewart25555_66 (FC), Talia1610_76 (FC), WaddleDee_63 (FC),

Start 27:

- Found in 6 of 889 (0.7%) of genes in pham
- Manual Annotations of this start: 5 of 780
- Called 83.3% of time when present

- Phage (with cluster) where this start called: BlueNGold_76 (DS), Boopy_77 (DS), Forza_77 (DS), Mareelih_76 (DS), Sixama_72 (DS),

Start 30:

- Found in 542 of 889 (61.0%) of genes in pham
- Manual Annotations of this start: 453 of 780
- Called 90.2% of time when present
- Phage (with cluster) where this start called: 39HC_07 (B6), 40BC_07 (B6), ABU_8 (B1), Abinghost_11 (B3), AbsoluteMadLad_8 (B1), Acadian_10 (B5), Adriana_8 (B1), Aelin_8 (B1), Ahwei_8 (B4), Akoma_11 (B3), AksarBAT_8 (DR), AlanGrant_10 (B4), Allegro_12 (B2), AltPhacts_8 (B1), Altwerkus_8 (B1), AnClar_7 (DR), AnarQue_10 (DR), Andre_8 (B1), AngelCake_8 (B1), Antihero_8 (B4), Antonia_8 (B1), Aonishiki_8 (B1), Apex_8 (B4), Apizium_8 (B1), Arbiter_12 (B2), Ares_12 (B2), Argie_7 (W), Ashraf_8 (B1), Athena_12 (B3), Audrey_11 (B3), Austelle_9 (B4), Axumite_8 (DR), Badfish_8 (B1), Baee_10 (B5), Baloo_11 (B3), Bananafish_12 (B2), Banjo_8 (B1), BatteryCK_8 (B1), Beaglebox_8 (B1), Ben11_10 (B3), Bernardo_11 (B3), BiggityBass_7 (DR), BirdsNest_12 (B13), BlackStallion_8 (B1), BlacksBerry_8 (B1), Blocker23_12 (B2), BlueHusk_8 (B1), Bluephacebaby_8 (B1), BobRoss2024_7 (DR), BobbyK_9 (B4), Boehler_8 (B1), BoogieWoogie_8 (B1), Boyle_12 (B2), Briakila_11 (B3), Brilliant_8 (B1), BrownCNA_10 (B4), Brownie5_12 (B2), Buckeye_8 (B1), Burr_8 (B1), CRB2_11 (B9), Calamitous_12 (B2), CamL_8 (B1), CampRoach_8 (B1), Cannibal_8 (B1), Carthage_8 (B1), Casbah_10 (B3), Caspiboi_8 (B1), Caterpie_6 (AD), Causa_16 (AI), Cepens_6 (W), ChaChing_11 (B3), Chaelin_8 (B1), Chah_8 (B1), Chalmers_11 (B3), Chandler_11 (B3), Charles1_8 (B1), CharlieGBrown_8 (B1), CharlottesWeb_8 (DR), Chentzyk_10 (B3), Cher_8 (B1), Childish_8 (B1), Chipette_9 (B1), Chorkpop_8 (B1), ChrisnMich_8 (B4), Chuni_8 (B1), Chunky_8 (B1), Chute_8 (B1), CloverMinnie_10 (DR), Cobra_8 (B1), Coffee_12 (B2), Colbert_8 (B1), Coldpizza_10 (DR), Coletti_8 (B1), Compostia_11 (B3), Cooper_9 (B4), Cornbread_8 (B1), Cornobble_8 (B1), Corofin_11 (B3), Cosmolli16_8 (B1), Craff_8 (B1), Crownjwl_9 (B1), DaddyDaniels_8 (B1), Daffy_8 (B1), Daisy_11 (B3), Daka_8 (B1), Dati_8 (B1), Deenasa_11 (B3), DelRivs_8 (B1), Derpp_8 (B1), Devonte_11 (B3), Dice_8 (B1), DigitDog_10 (B5), Dingo_8 (B1), Dione_8 (B1), DirtJuice_8 (B1), Doddsville_8 (B1), DoesntMatter_8 (B1), DolOn_10 (B1), DonSancho_8 (B1), Donny_10 (B5), DuchessDung_8 (B1), Duggie_8 (B1), Durga_8 (B1), Eaglehorse_12 (B2), EastView9101_10 (B5), ElvisPhasley_8 (B1), Emiris_8 (B1), EmpTee_8 (B1), Epah_8 (B4), Eremos_8 (B1), Etaye_8 (B1), Eugenia_8 (B1), Evaa_9 (DR), Fang_8 (B1), Faze9_12 (B2), FelixTres_10 (DR), Flake_8 (B1), FleetyMac_8 (B1), FluffyNinja_8 (B1), ForDig_7 (B6), Fortunato_9 (B4), Fozzie_8 (B1), Frankicide_8 (B1), Frederick_9 (B4), FrenchFry_12 (B2), Fresco_8 (DR), Freya_8 (B1), FriarPreacher_8 (B1), Fringe_8 (B1), FugateOSU_8 (B1), Funsized_14 (B9), Gadget_12 (B3), Gareth_8 (B1), GeneCoco_8 (B1), Gervas_11 (B3), GinPorsche_8 (B4), Giraffe_8 (B1), Glass_12 (B2), GlenHope_12 (B3), Glubnar_11 (B3), GodPhather_7 (W), Godines_12 (B2), Grand2040_8 (B1), Gwennie1_8 (B1), Gwilliam_8 (B1), Gyarad_008 (B1), HSavage_8 (B1), Haimas_8 (B1), Haleema_8 (B1), Halfpint_10 (B3), Hally898_8 (B4), Hamish_8 (B1), Hangman_9 (B4), Hartsy_8 (B1), HarveySr_11 (B3), Harvey_8 (B1), Hashim76_13 (B13), Heath_9 (B4), Heathcliff_11 (B3), Hedgerow_12 (B2), Held_8 (B1), HenryJackson_8 (B1), Hertubise_8 (B1), Hetaeria_8 (B1), HighStump_8 (B1), Hocus_8 (B1), Holeinone_12 (B2), Horchata_8 (B1), Hosp_05 (B6), Hydro_9 (B4), ImtiyazSitla_8 (B1), Imvubu_5 (B10), Inchworm_8 (B1), Indlovu_9 (B11), Iridessa_8 (B1), Iridoclysis_8 (B1), IsaacEli_8 (B1), ItsyBitsy1_12 (B2), JAMaL_8 (B4), JDog_8 (B1), JacAttac_8 (B1), Jackstina_10 (B3), JaguarMi_10 (B4), JakeO_8 (B1), JangoPhett_8 (B1), Jesabah_8 (B1), Jillium_8 (B1), Jiminy_8 (B1), Jiraiya_8 (B1), JohnLord_7 (AD), Jolie1_07 (B6),

JoyceMaria_9 (B4), KLUcky39_8 (B1), Kahve_8 (B1), Kailash_8 (B1), Kaleb_12 (B2), Kamiyu_11 (B3), KarasumaRum_11 (B5), KayaCho_7 (B6), Keitherie_8 (B1), Khan1_8 (B1), Kheth_12 (B2), Kikipoo_8 (B1), Kimbrough_8 (B1), KingTut_8 (B1), KingVeVeVe_8 (B1), KlimbOn_8 (B1), Kloppinator_8 (B1), Knocker_14 (B9), Kolhan_12 (B2), Kronus_10 (B3), Kwadwo_8 (B1), Kwksand96_8 (B1), Labeouficaum_8 (B1), Lambano_8 (B4), Lars_12 (B2), LasagnaCat_8 (B1), Lasso_8 (B1), Laurie_12 (B2), LeeLot_8 (B1), Lego3393_8 (B1), Legolas_8 (B1), Lehmann_9 (B1), LeiMonet_8 (B1), LemonSlice_8 (B1), Lephleur_12 (B2), LestyG_11 (B3), LilMcDreamy_10 (B12), LilSmirk_12 (B2), LittleDigger_8 (B4), LittleMinkey_14 (B13), LittleMunchkin_9 (DR), LizLemon_12 (B2), Lolalove_9 (B4), Longacauda_8 (B1), Lopsy_8 (B1), LostAndPhound_8 (B1), LuckyMarjie_8 (B1), Lulumae_8 (B1), Lulwa_8 (B1), Lumine_8 (B1), MRabcd_8 (B1), Mag7_8 (B1), Magic8_8 (B1), Magpie_9 (B4), MakoManhole_10 (DR), Mana_8 (B1), Manad_8 (B1), Marley1013_11 (B3), Marlia_11 (B3), Maru_8 (B1), Maskar_8 (B1), MasterPo_12 (B2), Matalotodo_8 (B1), Mcshane_8 (B1), Mecca_8 (B1), Megatron_8 (B1), Melc17_8 (B1), MelsMeow_8 (B1), Mesh1_8 (B1), Mesmerelda_8 (B1), MichaelPhcott_8 (B1), Mikota_8 (B1), MiniBoss_8 (B1), Minnow_7 (B6), MitKao_8 (B1), Mithril_9 (B4), MmasiCarm_11 (B3), Morgushi_8 (B1), Mortcellus_10 (B3), Morty007_11 (B3), Morty_8 (B1), Mosaic_8 (B1), MrPhizzler_8 (B1), Mudslide_9 (B4), Mulan_8 (B1), Mulaychimus_11 (B3), Murdoc_8 (B1), Mutante_8 (B1), Mysterious_10 (B5), NHagos_8 (DR), Nacho_008 (B1), Nanao_8 (B4), Nangang_10 (B5), Nathan_8 (B1), Nehemiah_9 (B5), Nehme_8 (B1), Neos5_11 (B3), Newman_8 (B1), Nicole21_8 (B1), Nigel_7 (B4), Nozo_11 (B3), Numberten_8 (B1), Nyala_8 (B1), OSmaximus_8 (B1), Obutu_11 (B3), Olak_8 (B1), Oline_8 (B1), OliverWalter_8 (B1), Olivio_10 (B3), Omniscient_8 (B1), Oosterbaan_8 (B1), Opia_12 (B2), OrangeOswald_11 (B3), Orfeu_8 (B1), Orion_8 (B1), Orwigg_8 (B1), PG1_8 (B1), Pacifista_8 (B1), PallasAthena_8 (B1), PenguinLover67_12 (B9), Phaedrus_10 (B3), Phamished_8 (B1), Phantasmagoria_12 (B2), Phareon_8 (B1), PhatCats2014_8 (B1), PhatLouie_8 (B1), Phayeta_11 (B3), Phelemich_10 (B5), PhenghisKhan_8 (B1), Pherdinand_8 (B1), Phergie_8 (B1), Philly_10 (B3), Phipps_8 (B1), Phleuron_8 (B1), Phlyer_11 (B3), PhrankReynolds_8 (B1), PhrodoBaggins_8 (B1), Phunky_8 (B1), Piglet_008 (B1), PinheadLarry_8 (B1), Pinkman_8 (B1), Pipefish_11 (B3), Pipsqueak_8 (B1), Placalicious_8 (B1), Plmatters_8 (B1), Podrick_8 (B1), Pops_8 (B1), Poster_8 (B4), Potter_8 (B1), Prickles_8 (B1), PrinceCharming_12 (B2), Prince_9 (B4), ProfessorX_8 (B1), Puhltonio_8 (B1), QueenBeane_8 (B1), QueenPie_9 (B4), Quesadilla_11 (B9), Quisquiliae_8 (B1), Qyrzula_12 (B2), RagingRooster_11 (B3), Reccee_10 (B5), RedMaple_8 (B1), RedRaider89_9 (B1), Renkei_8 (B4), Reprobate_10 (B5), Rhinoforte_12 (B2), Rich_10 (B5), Ricotta_8 (B1), Riggan_8 (B1), Rimu_8 (B1), Rinkes_13 (B9), Rita130_10 (B5), Rita1961_11 (B3), Robyn_8 (B1), Roliet_8 (B1), RomaT_11 (B3), Roscoe_9 (B1), Rosebush_12 (B2), Roy17_8 (B1), SDcharge11_8 (B1), Sabella_12 (B2), Saguaro_11 (B7), Samaymay_8 (B1), SassyCat97_8 (B1), Schadenfreude_8 (B1), Schueller_8 (B1), Scoot17C_8 (B1), Scrick_8 (B1), Selr12_8 (B1), Serendipitous_10 (B5), Serendipity_8 (B1), Serpentine_008 (B1), ShadowBud_8 (B1), Shatter_8 (DR), Sheila_8 (B1), Shenandoah_11 (B3), Shenyu_10 (B5), ShiVal_8 (B1), Sigman_8 (B1), SilverBell_8 (B1), Simielle_8 (B1), SirJeffery_10 (B5), Sisko_7 (DR), Skippy_8 (B1), Slatt_8 (B1), SlippinJimmy_11 (B3), Soile_8 (B1), Solosis_8 (B1), Sophia_8 (B1), Soto_8 (B1), Sour_11 (DR), Spartan300_8 (B1), Squid_8 (B1), Squiggle_8 (B1), StAugustine_14 (A), Stinger_7 (B4), StinkyVeggy_11 (B5), Struggle_8 (B1), Suffolk_8 (B1), Suigeneris_10 (B5), Surely_8 (B1), SwainyDoc_11 (B3), Swiphy_8 (B1), Swish_8 (B1), SynergyX_11 (B3), TA17A_12 (B2), TPA2_17 (singleton), TallGrassMM_8 (B1), Telesworld_8 (B1), Thonko_7 (B8), Thora_8 (B1), ThreeOh3D2_8 (B1), Timmi_8 (B1), Tinciduntolum_13 (B2), TinyTerror_11 (B3), TomBombadil_8 (B1), TomLarah_8

(B1), Toni_8 (B1), Tooj_8 (B1), Tres_12 (B2), True_8 (B1), Trypo_8 (B1), Tydolla_11 (B3), TyrionL_8 (B1), UAch1_8 (B1), UncleHowie_8 (B1), Usavi_8 (B1), Vaishali24_8 (B1), Valjean_8 (B1), Vaticameos_8 (B1), Veritas_8 (B1), Vic9_00012 (B2), Vincenzo_10 (B4), VioletZ_9 (B4), Virapocalypse_8 (B1), Virgeve_8 (B1), Vista_8 (B1), Vivaldi_8 (B1), Vortex_8 (B1), Waleliano_9 (B4), Wallhey_8 (B1), Waterdiva_8 (B1), Weher20_8 (B1), West99_12 (B2), Windsor_8 (B1), Wooper_10 (DR), Xavier_8 (B1), Yago84_7 (DR), Yahalom_11 (B3), Yeshua_10 (DR), Yinz_11 (B3), Yoshand_8 (B1), YouGoGlencoco_8 (B1), Zaider_9 (B1), Zeldā_8 (B1), Zemanar_10 (B4), Zenteno07_13 (B13), Zonia_8 (B1),

Start 34:

- Found in 12 of 889 (1.3%) of genes in pham
- Manual Annotations of this start: 9 of 780
- Called 83.3% of time when present
- Phage (with cluster) where this start called: A3Wally_82 (GD1), Big4_71 (GD2), Cece_66 (GD3), Dodo_84 (GD1), Erasmago_75 (GD2), PauloDiaboli_82 (GD1), Pumpnickel_80 (GD4), SadLad_25 (EG), Sunfish_26 (singleton), Zooman_67 (GD2),

Start 35:

- Found in 1 of 889 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 780
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Kithara_22 (singleton),

Start 36:

- Found in 257 of 889 (28.9%) of genes in pham
- Manual Annotations of this start: 5 of 780
- Called 3.5% of time when present
- Phage (with cluster) where this start called: Anderson_8 (B1), Bishoperium_8 (B1), Fanaw_9 (B4), Inverness_8 (B1), Megamind20_9 (B1), Olive_8 (B1), RawrgerThat_9 (B4), Triad_8 (B1), Xincheng_9 (B4),

Start 38:

- Found in 7 of 889 (0.8%) of genes in pham
- Manual Annotations of this start: 1 of 780
- Called 14.3% of time when present
- Phage (with cluster) where this start called: RomansRevenge_13 (FT),

Start 41:

- Found in 76 of 889 (8.5%) of genes in pham
- Manual Annotations of this start: 55 of 780
- Called 77.6% of time when present
- Phage (with cluster) where this start called: Altheas_24 (EG), AluminumJesus_20 (EG), BabyDotz_21 (EG), BaconCheese_24 (EG), BirdInFrench_21 (EG), Blab_20 (EG), CandC_20 (EG), Casend_23 (EG), DonaldDuck_21 (EG), EverythinBage1_21 (EG), Fizzles_22 (EG), FrankDeliGuy_19 (EG), Fransoyer_24 (EG), Fregley_22 (EG), Gazebo_21 (EG), Grassboy_23 (EG), Hyperion_21 (EG), Jehoshaphat_24 (EG), Judebell_24 (EG), Kelcole_20 (EG), KillerQueen_22 (EG), Kyva_24 (EG), Llemily_21 (EG), Lonelysoil_21 (EG), Marcie_26 (EG), Mashley_20 (EG), Mentos_24 (EG), Mila11_24 (EG), MorillMayhem_22 (EG), Namago_22 (EG), Nike_22 (EG), OneinaGillian_21 (EG), Pepe25_20 (EG), Phabia_22 (EG), Phinky_28 (EG), Quammi_20 (EG), RobinRose_23 (EG), Romm_23 (EG), Rowlf_18 (EG),

RubyRalph_24 (EG), Rudy_20 (EG), SallyK_23 (EG), Sillytadpoles_21 (EG), SlySloth_24 (EG), Spiderpig_21 (EG), Squash_24 (EG), Statler_23 (EG), StrawberryJamm_24 (EG), Teehee_23 (EG), Tempo_21 (EG), Tissue_22 (EG), Viceroy_21 (EG), Wayne3_23 (EG), WheelerS25_27 (EG), Wheelie_21 (EG), Wilca_21 (EG), Zagie_22 (EG), ZestyBestie_20 (EG), Zhafia_24 (EG),

Start 43:

- Found in 1 of 889 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 780
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BruhMoment_18 (AP3),

Start 46:

- Found in 58 of 889 (6.5%) of genes in pham
- Manual Annotations of this start: 20 of 780
- Called 41.4% of time when present
- Phage (with cluster) where this start called: AWGoat_17 (AP4), Beagle_23 (AP2), BetaFish_22 (AP2), Boise_13 (FT), DogYard_22 (AP2), Forrestell_19 (AP2), Kubulix_23 (AP2), MellowYellow_19 (AP2), Nikan_18 (AP2), NyleyClemson_18 (AP2), Odyssey395_24 (AP2), Ollypop_20 (AP2), PhuzzTulsa_20 (AP2), Pointis_22 (AP2), Popstraw_21 (AP2), Pureglobe5_24 (AP2), RIPWilbur_20 (AP2), Ranunculus_17 (AP), RazzB_18 (AP2), Ren19_18 (AP2), Rizwana_16 (AP1), SilentRX_18 (AP4), Tank_17 (AP1), Wilde_17 (AP1),

Start 55:

- Found in 24 of 889 (2.7%) of genes in pham
- Manual Annotations of this start: 4 of 780
- Called 37.5% of time when present
- Phage (with cluster) where this start called: Artu_68 (FC), BooTeria_66 (FC), Coco2012_8 (DR), Ellewin_64 (FC), Emmetator_68 (FC), JellyBelly_8 (DR), KSunshine22_70 (FC), Ligma_8 (DR), Mariokart_8 (DR),

Start 59:

- Found in 8 of 889 (0.9%) of genes in pham
- Manual Annotations of this start: 2 of 780
- Called 25.0% of time when present
- Phage (with cluster) where this start called: D12_06 (W), PR_06 (W),

Start 73:

- Found in 1 of 889 (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: Pine5_11 (singleton),

Start 74:

- Found in 1 of 889 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 780
- Called 100.0% of time when present
- Phage (with cluster) where this start called: TurkishDelight_11 (singleton),

Start 76:

- Found in 3 of 889 (0.3%) of genes in pham
- No Manual Annotations of this start.

- Called 33.3% of time when present
- Phage (with cluster) where this start called: phiAsp2_4 (singleton),

Start 78:

- Found in 97 of 889 (10.9%) of genes in pham
- Manual Annotations of this start: 11 of 780
- Called 12.4% of time when present
- Phage (with cluster) where this start called: Abt2graduatex2_10 (BG), Asis_10 (BG), BabyGotBac_10 (BG), BayC_10 (BG), FloraSnap32_75 (FC), Maih_10 (BG), Mischief19_11 (BG), RainyPolka_10 (BG), Salete_10 (BG), TP1604_10 (BG), Xkcd426_11 (BG), YDN12_11 (BG),

Start 79:

- Found in 4 of 889 (0.4%) of genes in pham
- No Manual Annotations of this start.
- Called 25.0% of time when present
- Phage (with cluster) where this start called: Laure_78 (UNK),

Start 85:

- Found in 328 of 889 (36.9%) of genes in pham
- Manual Annotations of this start: 7 of 780
- Called 7.0% of time when present
- Phage (with cluster) where this start called: Aleia_8 (B1), Basato_9 (B1), CheetO_8 (B1), FremontTroll_9 (B1), Gophee_8 (B1), GreenChile_9 (B1), Hekos_8 (B1), HogWash_8 (B1), Jbug01_8 (B1), Karn_8 (B1), Katniss_8 (B1), Kiwot_8 (B1), Larson_9 (B1), NiaNia_8 (B1), Nova1_8 (B1), OneBrain_8 (B1), Plata_8 (B1), Salazzle_8 (B1), SirBeauregard_8 (B1), Taraxa_8 (B1), Thunderbird_8 (B1), TooFast2Furious_9 (B1), Vectra_8 (B1),

Start 91:

- Found in 48 of 889 (5.4%) of genes in pham
- No Manual Annotations of this start.
- Called 2.1% of time when present
- Phage (with cluster) where this start called: LilCahh_21 (EG),

Start 92:

- Found in 74 of 889 (8.3%) of genes in pham
- Manual Annotations of this start: 2 of 780
- Called 5.4% of time when present
- Phage (with cluster) where this start called: Blackpen_10 (DR), CaiB_10 (DR), MossRose_10 (DR), TraderJ_10 (DR),

Start 93:

- Found in 321 of 889 (36.1%) of genes in pham
- Manual Annotations of this start: 1 of 780
- Called 1.2% of time when present
- Phage (with cluster) where this start called: EmGer13_8 (B1), Happabalu_8 (B1), Riverton_8 (B1), SallyH_9 (B1),

Start 109:

- Found in 36 of 889 (4.0%) of genes in pham
- No Manual Annotations of this start.
- Called 2.8% of time when present

- Phage (with cluster) where this start called: Hive_22 (AP2),

Summary by clusters:

There are 45 clusters represented in this pham: GD1, singleton, BG, FT, DK, AP2, AP3, AP1, GD2, AP4, FC, B12, B13, B10, B11, GD3, GD4, DR, DS, UNK, EI, AD, AI, EG, EC, AP, W, GM, CP, DC2, DC1, DE1, DE2, DE3, DE4, DE5, B4, B5, B6, B7, B1, B2, B3, B8, B9,

Info for manual annotations of cluster AD:

- Start number 21 was manually annotated 4 times for cluster AD.

Info for manual annotations of cluster AI:

- Start number 30 was manually annotated 2 times for cluster AI.

Info for manual annotations of cluster AP:

- Start number 46 was manually annotated 1 time for cluster AP.

Info for manual annotations of cluster AP1:

- Start number 46 was manually annotated 3 times for cluster AP1.

Info for manual annotations of cluster AP2:

- Start number 46 was manually annotated 14 times for cluster AP2.

Info for manual annotations of cluster AP3:

- Start number 43 was manually annotated 1 time for cluster AP3.

Info for manual annotations of cluster AP4:

- Start number 46 was manually annotated 2 times for cluster AP4.

Info for manual annotations of cluster B1:

- Start number 30 was manually annotated 284 times for cluster B1.
- Start number 36 was manually annotated 4 times for cluster B1.
- Start number 85 was manually annotated 7 times for cluster B1.
- Start number 93 was manually annotated 1 time for cluster B1.

Info for manual annotations of cluster B10:

- Start number 30 was manually annotated 1 time for cluster B10.

Info for manual annotations of cluster B11:

- Start number 30 was manually annotated 1 time for cluster B11.

Info for manual annotations of cluster B12:

- Start number 30 was manually annotated 1 time for cluster B12.

Info for manual annotations of cluster B13:

- Start number 30 was manually annotated 3 times for cluster B13.

Info for manual annotations of cluster B2:

- Start number 30 was manually annotated 37 times for cluster B2.

Info for manual annotations of cluster B3:

- Start number 30 was manually annotated 53 times for cluster B3.

Info for manual annotations of cluster B4:

- Start number 30 was manually annotated 28 times for cluster B4.
- Start number 36 was manually annotated 1 time for cluster B4.

Info for manual annotations of cluster B5:

- Start number 30 was manually annotated 11 times for cluster B5.

Info for manual annotations of cluster B6:

- Start number 30 was manually annotated 2 times for cluster B6.

Info for manual annotations of cluster B7:

- Start number 30 was manually annotated 1 time for cluster B7.

Info for manual annotations of cluster B8:

- Start number 30 was manually annotated 1 time for cluster B8.

Info for manual annotations of cluster B9:

- Start number 30 was manually annotated 6 times for cluster B9.

Info for manual annotations of cluster BG:

- Start number 78 was manually annotated 11 times for cluster BG.

Info for manual annotations of cluster CP:

- Start number 25 was manually annotated 7 times for cluster CP.

Info for manual annotations of cluster DC1:

- Start number 7 was manually annotated 32 times for cluster DC1.

Info for manual annotations of cluster DC2:

- Start number 7 was manually annotated 1 time for cluster DC2.

Info for manual annotations of cluster DE1:

- Start number 7 was manually annotated 53 times for cluster DE1.

Info for manual annotations of cluster DE2:

- Start number 7 was manually annotated 8 times for cluster DE2.

Info for manual annotations of cluster DE3:

- Start number 7 was manually annotated 7 times for cluster DE3.

Info for manual annotations of cluster DE4:

- Start number 7 was manually annotated 13 times for cluster DE4.

Info for manual annotations of cluster DE5:

- Start number 6 was manually annotated 1 time for cluster DE5.

Info for manual annotations of cluster DK:

- Start number 16 was manually annotated 1 time for cluster DK.
- Start number 23 was manually annotated 1 time for cluster DK.

Info for manual annotations of cluster DR:

- Start number 30 was manually annotated 19 times for cluster DR.

- Start number 55 was manually annotated 2 times for cluster DR.
- Start number 92 was manually annotated 2 times for cluster DR.

Info for manual annotations of cluster DS:

- Start number 27 was manually annotated 5 times for cluster DS.

Info for manual annotations of cluster EC:

- Start number 2 was manually annotated 2 times for cluster EC.
- Start number 12 was manually annotated 38 times for cluster EC.
- Start number 14 was manually annotated 9 times for cluster EC.

Info for manual annotations of cluster EG:

- Start number 34 was manually annotated 1 time for cluster EG.
- Start number 41 was manually annotated 55 times for cluster EG.

Info for manual annotations of cluster EI:

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

Info for manual annotations of cluster FC:

- Start number 22 was manually annotated 3 times for cluster FC.
- Start number 26 was manually annotated 9 times for cluster FC.
- Start number 55 was manually annotated 2 times for cluster FC.

Info for manual annotations of cluster FT:

- Start number 38 was manually annotated 1 time for cluster FT.

Info for manual annotations of cluster GD1:

- Start number 34 was manually annotated 3 times for cluster GD1.

Info for manual annotations of cluster GD2:

- Start number 34 was manually annotated 2 times for cluster GD2.

Info for manual annotations of cluster GD3:

- Start number 34 was manually annotated 1 time for cluster GD3.

Info for manual annotations of cluster GD4:

- Start number 34 was manually annotated 1 time for cluster GD4.

Info for manual annotations of cluster GM:

- Start number 12 was manually annotated 1 time for cluster GM.
- Start number 14 was manually annotated 1 time for cluster GM.

Info for manual annotations of cluster W:

- Start number 21 was manually annotated 3 times for cluster W.
- Start number 30 was manually annotated 3 times for cluster W.
- Start number 59 was manually annotated 2 times for cluster W.

Gene Information:

Gene: 39HC_07 Start: 5208, Stop: 7124, Start Num: 30

Candidate Starts for 39HC_07:

(Start: 30 @5208 has 453 MA's), (Start: 36 @5223 has 5 MA's), (77, 5286), (Start: 85 @5310 has 7 MA's), (99, 5352), (101, 5367), (102, 5370), (105, 5379), (150, 5529), (173, 5610), (185, 5640), (205, 5688), (240, 5781), (241, 5784), (243, 5793), (251, 5838), (253, 5847), (269, 5928), (270, 5931), (274, 5949), (298, 6012), (305, 6030), (322, 6078), (334, 6132), (348, 6192), (355, 6234), (367, 6306), (369, 6321), (373, 6342), (383, 6378), (387, 6390), (404, 6426), (434, 6573), (462, 6639), (494, 6705), (548, 6828), (562, 6858), (564, 6867), (569, 6885), (602, 7017), (603, 7020), (630, 7098),

Gene: 40BC_07 Start: 5208, Stop: 7124, Start Num: 30

Candidate Starts for 40BC_07:

(Start: 30 @5208 has 453 MA's), (Start: 36 @5223 has 5 MA's), (77, 5286), (Start: 85 @5310 has 7 MA's), (99, 5352), (101, 5367), (102, 5370), (105, 5379), (150, 5529), (173, 5610), (185, 5640), (205, 5688), (240, 5781), (241, 5784), (243, 5793), (251, 5838), (253, 5847), (269, 5928), (270, 5931), (274, 5949), (298, 6012), (305, 6030), (322, 6078), (334, 6132), (348, 6192), (355, 6234), (367, 6306), (369, 6321), (373, 6342), (383, 6378), (387, 6390), (404, 6426), (434, 6573), (462, 6639), (494, 6705), (548, 6828), (562, 6858), (564, 6867), (569, 6885), (602, 7017), (603, 7020), (630, 7098),

Gene: A3Wally_82 Start: 29832, Stop: 31568, Start Num: 34

Candidate Starts for A3Wally_82:

(Start: 34 @29832 has 9 MA's), (64, 29895), (71, 29904), (97, 29982), (113, 30054), (115, 30063), (121, 30087), (124, 30096), (153, 30177), (181, 30270), (211, 30327), (241, 30450), (251, 30504), (274, 30612), (320, 30723), (329, 30765), (349, 30846), (352, 30867), (364, 30930), (373, 30990), (382, 31023), (401, 31071), (415, 31131), (437, 31242), (479, 31350), (516, 31470), (522, 31494),

Gene: ABU_8 Start: 4439, Stop: 6358, Start Num: 30

Candidate Starts for ABU_8:

(Start: 30 @4439 has 453 MA's), (Start: 36 @4454 has 5 MA's), (Start: 85 @4550 has 7 MA's), (Start: 93 @4565 has 1 MA's), (119, 4676), (165, 4808), (172, 4832), (173, 4838), (175, 4850), (180, 4862), (242, 5027), (267, 5153), (268, 5156), (269, 5168), (272, 5177), (274, 5189), (298, 5252), (302, 5261), (315, 5297), (321, 5315), (324, 5324), (334, 5372), (354, 5468), (355, 5474), (363, 5510), (369, 5558), (374, 5582), (429, 5777), (459, 5870), (569, 6122), (603, 6257), (617, 6299), (622, 6311),

Gene: APunk_15 Start: 7441, Stop: 9111, Start Num: 7

Candidate Starts for APunk_15:

(Start: 7 @7441 has 114 MA's), (Start: 22 @7516 has 3 MA's), (Start: 41 @7564 has 55 MA's), (77, 7651), (100, 7732), (106, 7762), (108, 7771), (150, 7894), (163, 7939), (204, 8011), (208, 8020), (244, 8131), (251, 8170), (256, 8188), (258, 8200), (259, 8203), (261, 8209), (280, 8284), (320, 8344), (349, 8479), (356, 8524), (364, 8563), (371, 8614), (380, 8647), (383, 8659), (384, 8662), (396, 8689), (405, 8713), (420, 8791), (431, 8842), (439, 8872), (443, 8878), (452, 8896), (465, 8935), (484, 8980),

Gene: AWGoat_17 Start: 8723, Stop: 10624, Start Num: 46

Candidate Starts for AWGoat_17:

(Start: 46 @8723 has 20 MA's), (84, 8810), (90, 8819), (99, 8852), (123, 8948), (140, 8993), (165, 9041), (172, 9065), (238, 9236), (240, 9239), (254, 9308), (269, 9386), (272, 9395), (274, 9407), (312, 9479), (317, 9491), (320, 9500), (329, 9542), (343, 9593), (350, 9626), (356, 9668), (357, 9674), (360, 9686), (411, 9908), (421, 9974), (433, 10016), (532, 10277), (556, 10328), (559, 10334), (634, 10595),

Gene: Abblin_14 Start: 6957, Stop: 8627, Start Num: 7

Candidate Starts for Abblin_14:

(Start: 7 @6957 has 114 MA's), (Start: 22 @7032 has 3 MA's), (33, 7053), (Start: 41 @7080 has 55 MA's), (77, 7167), (100, 7248), (106, 7278), (108, 7287), (131, 7362), (136, 7374), (150, 7410), (163, 7455), (204, 7527), (208, 7536), (244, 7647), (251, 7686), (253, 7695), (256, 7704), (258, 7716), (259,

7719), (261, 7725), (280, 7800), (316, 7848), (320, 7860), (346, 7980), (349, 7995), (356, 8040), (364, 8079), (371, 8130), (380, 8163), (383, 8175), (384, 8178), (396, 8205), (405, 8229), (420, 8307), (431, 8358), (439, 8388), (443, 8394), (465, 8451), (484, 8496),

Gene: Abinghost_11 Start: 6314, Stop: 8218, Start Num: 30

Candidate Starts for Abinghost_11:

(Start: 30 @6314 has 453 MA's), (39, 6341), (84, 6422), (102, 6485), (119, 6551), (128, 6584), (168, 6692), (198, 6782), (224, 6860), (243, 6917), (253, 6971), (269, 7052), (274, 7073), (285, 7100), (308, 7151), (310, 7160), (315, 7169), (355, 7346), (357, 7358), (369, 7433), (374, 7457), (380, 7478), (411, 7562), (440, 7700), (448, 7718), (459, 7745), (473, 7769), (555, 7934), (558, 7943), (585, 8048), (589, 8057), (594, 8084), (622, 8174), (632, 8198), (639, 8210),

Gene: AbsoluteMadLad_8 Start: 4437, Stop: 6356, Start Num: 30

Candidate Starts for AbsoluteMadLad_8:

(Start: 30 @4437 has 453 MA's), (Start: 36 @4452 has 5 MA's), (Start: 85 @4548 has 7 MA's), (Start: 93 @4563 has 1 MA's), (119, 4674), (165, 4806), (172, 4830), (173, 4836), (175, 4848), (180, 4860), (242, 5025), (267, 5151), (268, 5154), (269, 5166), (272, 5175), (274, 5187), (298, 5250), (302, 5259), (315, 5295), (321, 5313), (324, 5322), (334, 5370), (354, 5466), (355, 5472), (363, 5508), (369, 5556), (374, 5580), (429, 5775), (459, 5868), (569, 6120), (603, 6255), (617, 6297), (622, 6309),

Gene: Abt2graduatex2_10 Start: 8030, Stop: 9832, Start Num: 78

Candidate Starts for Abt2graduatex2_10:

(Start: 78 @8030 has 11 MA's), (114, 8156), (124, 8189), (137, 8237), (154, 8276), (173, 8345), (197, 8414), (206, 8435), (242, 8543), (243, 8549), (265, 8645), (318, 8771), (329, 8816), (331, 8825), (340, 8858), (343, 8867), (348, 8894), (370, 9026), (459, 9320), (478, 9359), (495, 9383), (508, 9431), (519, 9479), (523, 9491), (549, 9542), (570, 9611), (595, 9701), (628, 9803), (638, 9821),

Gene: Acadian_10 Start: 6693, Stop: 8558, Start Num: 30

Candidate Starts for Acadian_10:

(Start: 30 @6693 has 453 MA's), (Start: 36 @6708 has 5 MA's), (63, 6750), (101, 6846), (105, 6858), (166, 7044), (169, 7056), (172, 7065), (225, 7182), (228, 7197), (270, 7374), (274, 7392), (301, 7452), (340, 7590), (348, 7626), (355, 7668), (357, 7680), (369, 7755), (374, 7779), (383, 7812), (387, 7824), (392, 7836), (404, 7860), (448, 8040), (454, 8058), (539, 8238), (548, 8259), (559, 8280), (584, 8382), (598, 8442), (639, 8550), (640, 8553),

Gene: Adriana_8 Start: 4441, Stop: 6360, Start Num: 30

Candidate Starts for Adriana_8:

(Start: 30 @4441 has 453 MA's), (Start: 36 @4456 has 5 MA's), (Start: 85 @4552 has 7 MA's), (Start: 93 @4567 has 1 MA's), (119, 4678), (165, 4810), (172, 4834), (173, 4840), (175, 4852), (180, 4864), (242, 5029), (267, 5155), (268, 5158), (269, 5170), (272, 5179), (274, 5191), (298, 5254), (302, 5263), (315, 5299), (321, 5317), (324, 5326), (334, 5374), (354, 5470), (355, 5476), (363, 5512), (369, 5560), (374, 5584), (429, 5779), (459, 5872), (569, 6124), (603, 6259), (617, 6301), (622, 6313),

Gene: Aelin_8 Start: 4441, Stop: 6360, Start Num: 30

Candidate Starts for Aelin_8:

(Start: 30 @4441 has 453 MA's), (Start: 36 @4456 has 5 MA's), (Start: 85 @4552 has 7 MA's), (Start: 93 @4567 has 1 MA's), (119, 4678), (165, 4810), (172, 4834), (173, 4840), (175, 4852), (180, 4864), (242, 5029), (267, 5155), (268, 5158), (269, 5170), (272, 5179), (274, 5191), (298, 5254), (302, 5263), (315, 5299), (321, 5317), (324, 5326), (334, 5374), (354, 5470), (355, 5476), (363, 5512), (369, 5560), (374, 5584), (429, 5779), (459, 5872), (569, 6124), (603, 6259), (617, 6301), (622, 6313),

Gene: Affeca_12 Start: 6664, Stop: 8292, Start Num: 7

Candidate Starts for Affeca_12:

(Start: 7 @6664 has 114 MA's), (Start: 46 @6784 has 20 MA's), (71, 6823), (81, 6862), (100, 6925), (126, 7018), (133, 7045), (149, 7084), (208, 7213), (227, 7273), (247, 7342), (251, 7363), (256, 7381), (259, 7396), (261, 7402), (273, 7465), (316, 7525), (320, 7537), (328, 7576), (331, 7588), (334, 7597), (339, 7630), (343, 7642), (349, 7672), (356, 7717), (359, 7732), (360, 7735), (365, 7771), (374, 7819), (377, 7828), (383, 7852), (384, 7855), (431, 8032), (453, 8089), (457, 8095), (464, 8110), (472, 8131), (496, 8179), (505, 8206),

Gene: Ahwei_8 Start: 5643, Stop: 7532, Start Num: 30

Candidate Starts for Ahwei_8:

(Start: 30 @5643 has 453 MA's), (83, 5739), (91, 5754), (102, 5805), (105, 5814), (117, 5865), (120, 5874), (157, 5970), (173, 6030), (213, 6126), (241, 6207), (251, 6261), (269, 6351), (270, 6354), (301, 6432), (305, 6444), (334, 6546), (348, 6606), (355, 6648), (357, 6660), (369, 6735), (374, 6759), (376, 6765), (383, 6792), (385, 6798), (404, 6840), (412, 6870), (547, 7221), (548, 7224), (568, 7281), (584, 7347), (585, 7350), (589, 7359), (617, 7473), (635, 7518), (639, 7524),

Gene: Ailee_12 Start: 7526, Stop: 9148, Start Num: 7

Candidate Starts for Ailee_12:

(Start: 7 @7526 has 114 MA's), (Start: 46 @7646 has 20 MA's), (71, 7685), (Start: 78 @7706 has 11 MA's), (81, 7724), (100, 7787), (126, 7880), (133, 7907), (149, 7946), (208, 8075), (227, 8135), (247, 8204), (251, 8225), (256, 8243), (259, 8258), (261, 8264), (273, 8327), (316, 8387), (320, 8399), (328, 8438), (331, 8450), (334, 8459), (339, 8492), (343, 8504), (349, 8534), (356, 8579), (359, 8594), (360, 8597), (365, 8633), (374, 8681), (377, 8690), (384, 8717), (431, 8894), (453, 8951), (457, 8957), (464, 8972), (472, 8993), (474, 8999), (496, 9035), (505, 9062),

Gene: Akoma_11 Start: 6314, Stop: 8218, Start Num: 30

Candidate Starts for Akoma_11:

(Start: 30 @6314 has 453 MA's), (39, 6341), (84, 6422), (102, 6485), (119, 6551), (128, 6584), (168, 6692), (198, 6782), (224, 6860), (243, 6917), (253, 6971), (269, 7052), (274, 7073), (285, 7100), (308, 7151), (310, 7160), (315, 7169), (355, 7346), (357, 7358), (369, 7433), (374, 7457), (380, 7478), (411, 7562), (440, 7700), (448, 7718), (459, 7745), (473, 7769), (555, 7934), (558, 7943), (585, 8048), (589, 8057), (594, 8084), (603, 8120), (622, 8174), (623, 8177), (632, 8198), (639, 8210),

Gene: AksarBAT_8 Start: 5267, Stop: 7105, Start Num: 30

Candidate Starts for AksarBAT_8:

(Start: 30 @5267 has 453 MA's), (Start: 92 @5381 has 2 MA's), (101, 5423), (142, 5558), (173, 5639), (178, 5657), (220, 5735), (221, 5738), (222, 5741), (234, 5774), (269, 5936), (270, 5939), (274, 5957), (319, 6083), (321, 6089), (326, 6116), (330, 6134), (334, 6146), (355, 6248), (357, 6260), (369, 6335), (374, 6359), (383, 6392), (455, 6638), (468, 6659), (471, 6665), (553, 6821), (557, 6830), (558, 6833), (585, 6932), (598, 6989), (602, 7001), (612, 7034), (617, 7046), (632, 7082), (633, 7085), (639, 7097),

Gene: AlanGrant_10 Start: 7459, Stop: 9357, Start Num: 30

Candidate Starts for AlanGrant_10:

(Start: 30 @7459 has 453 MA's), (Start: 78 @7540 has 11 MA's), (102, 7621), (103, 7627), (117, 7681), (151, 7768), (157, 7786), (173, 7846), (179, 7867), (210, 7927), (241, 8023), (251, 8077), (269, 8167), (276, 8194), (298, 8245), (324, 8317), (334, 8365), (336, 8380), (348, 8425), (355, 8467), (374, 8578), (376, 8584), (383, 8611), (404, 8659), (449, 8842), (489, 8917), (543, 9037), (547, 9046), (548, 9049), (568, 9106), (569, 9112), (585, 9175), (589, 9184), (629, 9328), (639, 9349),

Gene: Aleia_8 Start: 4551, Stop: 6359, Start Num: 85

Candidate Starts for Aleia_8:

(Start: 30 @4440 has 453 MA's), (Start: 85 @4551 has 7 MA's), (Start: 93 @4566 has 1 MA's), (119, 4677), (165, 4809), (172, 4833), (173, 4839), (175, 4851), (180, 4863), (242, 5028), (267, 5154), (268, 5157), (269, 5169), (272, 5178), (274, 5190), (298, 5253), (302, 5262), (315, 5298), (321, 5316), (324,

5325), (334, 5373), (354, 5469), (355, 5475), (363, 5511), (369, 5559), (374, 5583), (429, 5778), (459, 5871), (569, 6123), (603, 6258), (617, 6300), (622, 6312),

Gene: Ali17_11 Start: 6421, Stop: 8055, Start Num: 7

Candidate Starts for Ali17_11:

(Start: 7 @6421 has 114 MA's), (9, 6448), (11, 6457), (Start: 22 @6493 has 3 MA's), (Start: 38 @6535 has 1 MA's), (49, 6559), (Start: 78 @6616 has 11 MA's), (88, 6649), (100, 6694), (106, 6724), (108, 6733), (116, 6757), (119, 6772), (149, 6853), (166, 6910), (203, 6970), (208, 6982), (213, 7000), (227, 7042), (251, 7132), (256, 7150), (259, 7165), (261, 7171), (271, 7225), (280, 7246), (320, 7306), (321, 7309), (334, 7366), (337, 7390), (349, 7441), (356, 7486), (360, 7504), (364, 7525), (374, 7588), (380, 7609), (384, 7624), (405, 7675), (428, 7780), (431, 7801), (439, 7831), (449, 7849), (474, 7915), (484, 7936), (506, 7990),

Gene: Allegro_12 Start: 7728, Stop: 9617, Start Num: 30

Candidate Starts for Allegro_12:

(Start: 30 @7728 has 453 MA's), (54, 7776), (65, 7800), (Start: 78 @7818 has 11 MA's), (Start: 92 @7851 has 2 MA's), (117, 7959), (150, 8043), (168, 8106), (178, 8142), (199, 8193), (213, 8226), (241, 8304), (243, 8313), (251, 8358), (269, 8448), (270, 8451), (272, 8457), (274, 8469), (279, 8484), (285, 8496), (319, 8580), (326, 8613), (330, 8631), (343, 8676), (355, 8745), (357, 8757), (369, 8832), (374, 8856), (376, 8862), (383, 8889), (387, 8901), (391, 8907), (404, 8937), (405, 8940), (412, 8967), (425, 9033), (427, 9042), (448, 9117), (463, 9153), (496, 9198), (553, 9336), (555, 9339), (559, 9351), (583, 9438), (585, 9447), (589, 9456), (590, 9471), (597, 9501), (603, 9519), (608, 9534), (617, 9561), (622, 9573), (639, 9609),

Gene: AltPhacts_8 Start: 4442, Stop: 6361, Start Num: 30

Candidate Starts for AltPhacts_8:

(Start: 30 @4442 has 453 MA's), (Start: 85 @4553 has 7 MA's), (Start: 93 @4568 has 1 MA's), (119, 4679), (165, 4811), (172, 4835), (173, 4841), (175, 4853), (180, 4865), (242, 5030), (267, 5156), (268, 5159), (269, 5171), (272, 5180), (274, 5192), (298, 5255), (302, 5264), (315, 5300), (321, 5318), (324, 5327), (334, 5375), (354, 5471), (355, 5477), (363, 5513), (369, 5561), (374, 5585), (429, 5780), (459, 5873), (569, 6125), (603, 6260), (617, 6302), (622, 6314),

Gene: Altheas_24 Start: 9157, Stop: 10980, Start Num: 41

Candidate Starts for Altheas_24:

(Start: 41 @9157 has 55 MA's), (126, 9388), (131, 9409), (140, 9433), (144, 9442), (165, 9481), (191, 9559), (207, 9577), (269, 9799), (291, 9868), (312, 9916), (349, 10060), (356, 10105), (357, 10111), (360, 10123), (369, 10183), (411, 10312), (412, 10318), (440, 10444), (462, 10489), (514, 10594), (557, 10684), (566, 10720), (573, 10738), (587, 10783), (638, 10957),

Gene: Altwerkus_8 Start: 4441, Stop: 6360, Start Num: 30

Candidate Starts for Altwerkus_8:

(Start: 30 @4441 has 453 MA's), (Start: 36 @4456 has 5 MA's), (Start: 85 @4552 has 7 MA's), (Start: 93 @4567 has 1 MA's), (119, 4678), (165, 4810), (172, 4834), (173, 4840), (175, 4852), (180, 4864), (242, 5029), (267, 5155), (268, 5158), (269, 5170), (272, 5179), (274, 5191), (298, 5254), (302, 5263), (315, 5299), (321, 5317), (324, 5326), (334, 5374), (354, 5470), (355, 5476), (363, 5512), (369, 5560), (374, 5584), (429, 5779), (459, 5872), (569, 6124), (603, 6259), (617, 6301), (622, 6313),

Gene: AluminumJesus_20 Start: 8498, Stop: 10324, Start Num: 41

Candidate Starts for AluminumJesus_20:

(Start: 41 @8498 has 55 MA's), (144, 8783), (165, 8822), (168, 8834), (191, 8900), (207, 8918), (256, 9068), (259, 9083), (269, 9140), (312, 9257), (316, 9266), (349, 9401), (356, 9446), (357, 9452), (360, 9464), (369, 9524), (411, 9653), (412, 9659), (416, 9686), (440, 9785), (462, 9830), (557, 10025), (566, 10061), (573, 10079), (587, 10124),

Gene: Amo99_42 Start: 18192, Stop: 20150, Start Num: 25

Candidate Starts for Amo99_42:

(Start: 25 @18192 has 8 MA's), (44, 18237), (72, 18288), (80, 18315), (145, 18504), (213, 18663), (243, 18756), (258, 18831), (272, 18900), (274, 18912), (275, 18918), (302, 19020), (313, 19053), (331, 19125), (332, 19128), (340, 19158), (349, 19197), (357, 19248), (364, 19281), (403, 19425), (404, 19428), (412, 19458), (432, 19566), (446, 19602), (449, 19611), (511, 19746), (551, 19860), (578, 19950), (621, 20103), (634, 20142),

Gene: AnClar_7 Start: 5605, Stop: 7446, Start Num: 30

Candidate Starts for AnClar_7:

(Start: 30 @5605 has 453 MA's), (Start: 92 @5719 has 2 MA's), (101, 5761), (117, 5824), (168, 5956), (173, 5974), (207, 6028), (213, 6049), (251, 6181), (259, 6214), (269, 6271), (270, 6274), (274, 6292), (290, 6343), (298, 6364), (330, 6472), (334, 6484), (355, 6586), (384, 6733), (387, 6742), (410, 6799), (510, 7078), (555, 7165), (557, 7171), (579, 7246), (580, 7252), (585, 7273), (606, 7354), (617, 7387), (622, 7399), (632, 7423), (633, 7426),

Gene: AnarQue_10 Start: 6780, Stop: 8627, Start Num: 30

Candidate Starts for AnarQue_10:

(Start: 30 @6780 has 453 MA's), (Start: 92 @6894 has 2 MA's), (101, 6936), (117, 6999), (137, 7065), (178, 7170), (235, 7293), (237, 7299), (241, 7308), (243, 7317), (270, 7455), (274, 7473), (321, 7614), (326, 7641), (330, 7659), (334, 7671), (347, 7722), (355, 7773), (369, 7860), (374, 7884), (448, 8142), (476, 8202), (480, 8211), (507, 8259), (557, 8352), (558, 8355), (579, 8427), (580, 8433), (585, 8454), (598, 8511), (602, 8523), (612, 8556), (617, 8568), (622, 8580), (626, 8592), (632, 8604), (633, 8607),

Gene: Anderson_8 Start: 4456, Stop: 6360, Start Num: 36

Candidate Starts for Anderson_8:

(Start: 30 @4441 has 453 MA's), (Start: 36 @4456 has 5 MA's), (Start: 85 @4552 has 7 MA's), (Start: 93 @4567 has 1 MA's), (119, 4678), (165, 4810), (172, 4834), (173, 4840), (175, 4852), (180, 4864), (242, 5029), (267, 5155), (268, 5158), (269, 5170), (272, 5179), (274, 5191), (298, 5254), (302, 5263), (315, 5299), (321, 5317), (324, 5326), (334, 5374), (354, 5470), (355, 5476), (363, 5512), (369, 5560), (374, 5584), (429, 5779), (459, 5872), (569, 6124), (603, 6259), (617, 6301), (622, 6313),

Gene: Andre_8 Start: 4442, Stop: 6361, Start Num: 30

Candidate Starts for Andre_8:

(Start: 30 @4442 has 453 MA's), (Start: 36 @4457 has 5 MA's), (Start: 85 @4553 has 7 MA's), (Start: 93 @4568 has 1 MA's), (119, 4679), (165, 4811), (172, 4835), (173, 4841), (175, 4853), (180, 4865), (242, 5030), (267, 5156), (268, 5159), (269, 5171), (272, 5180), (274, 5192), (298, 5255), (302, 5264), (315, 5300), (321, 5318), (324, 5327), (334, 5375), (354, 5471), (355, 5477), (363, 5513), (369, 5561), (374, 5585), (429, 5780), (459, 5873), (569, 6125), (603, 6260), (617, 6302), (622, 6314),

Gene: AngelCake_8 Start: 4438, Stop: 6357, Start Num: 30

Candidate Starts for AngelCake_8:

(Start: 30 @4438 has 453 MA's), (Start: 36 @4453 has 5 MA's), (Start: 85 @4549 has 7 MA's), (Start: 93 @4564 has 1 MA's), (119, 4675), (165, 4807), (172, 4831), (173, 4837), (175, 4849), (180, 4861), (242, 5026), (267, 5152), (268, 5155), (269, 5167), (272, 5176), (274, 5188), (298, 5251), (302, 5260), (315, 5296), (321, 5314), (324, 5323), (334, 5371), (354, 5467), (355, 5473), (363, 5509), (369, 5557), (374, 5581), (429, 5776), (459, 5869), (569, 6121), (603, 6256), (617, 6298), (622, 6310),

Gene: Angelicage_12 Start: 7093, Stop: 8715, Start Num: 7

Candidate Starts for Angelicage_12:

(Start: 7 @7093 has 114 MA's), (Start: 46 @7213 has 20 MA's), (71, 7252), (Start: 78 @7273 has 11 MA's), (81, 7291), (100, 7354), (126, 7447), (133, 7474), (149, 7513), (208, 7642), (227, 7702), (247,

7771), (251, 7792), (256, 7810), (259, 7825), (261, 7831), (273, 7894), (316, 7954), (320, 7966), (328, 8005), (331, 8017), (334, 8026), (339, 8059), (343, 8071), (349, 8101), (356, 8146), (359, 8161), (360, 8164), (365, 8200), (374, 8248), (377, 8257), (384, 8284), (431, 8461), (453, 8518), (457, 8524), (464, 8539), (472, 8560), (474, 8566), (496, 8602), (505, 8629),

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

Candidate Starts for Antares_20:

(Start: 12 @8653 has 40 MA's), (Start: 14 @8662 has 16 MA's), (20, 8677), (66, 8776), (69, 8782), (101, 8887), (105, 8899), (129, 9004), (133, 9016), (151, 9070), (157, 9088), (172, 9142), (180, 9172), (204, 9211), (211, 9229), (213, 9238), (225, 9274), (243, 9337), (256, 9400), (263, 9427), (269, 9472), (320, 9574), (321, 9577), (329, 9616), (334, 9634), (351, 9706), (363, 9772), (364, 9781), (369, 9820), (377, 9853), (386, 9886), (388, 9892), (398, 9922), (433, 10075), (437, 10090), (447, 10111), (448, 10114), (524, 10318), (529, 10327),

Gene: Antihero_8 Start: 5643, Stop: 7532, Start Num: 30

Candidate Starts for Antihero_8:

(Start: 30 @5643 has 453 MA's), (83, 5739), (91, 5754), (102, 5805), (105, 5814), (117, 5865), (120, 5874), (157, 5970), (173, 6030), (213, 6126), (241, 6207), (251, 6261), (269, 6351), (270, 6354), (301, 6432), (305, 6444), (334, 6546), (348, 6606), (355, 6648), (357, 6660), (369, 6735), (374, 6759), (376, 6765), (383, 6792), (385, 6798), (404, 6840), (412, 6870), (543, 7212), (547, 7221), (548, 7224), (568, 7281), (584, 7347), (585, 7350), (589, 7359), (617, 7473), (635, 7518), (639, 7524),

Gene: Antonia_8 Start: 4441, Stop: 6360, Start Num: 30

Candidate Starts for Antonia_8:

(Start: 30 @4441 has 453 MA's), (Start: 36 @4456 has 5 MA's), (Start: 85 @4552 has 7 MA's), (Start: 93 @4567 has 1 MA's), (119, 4678), (165, 4810), (172, 4834), (173, 4840), (175, 4852), (180, 4864), (242, 5029), (267, 5155), (268, 5158), (269, 5170), (272, 5179), (274, 5191), (298, 5254), (302, 5263), (315, 5299), (321, 5317), (324, 5326), (334, 5374), (354, 5470), (355, 5476), (363, 5512), (369, 5560), (374, 5584), (429, 5779), (459, 5872), (569, 6124), (603, 6259), (617, 6301), (622, 6313),

Gene: Aonishiki_8 Start: 4441, Stop: 6360, Start Num: 30

Candidate Starts for Aonishiki_8:

(Start: 30 @4441 has 453 MA's), (Start: 36 @4456 has 5 MA's), (Start: 85 @4552 has 7 MA's), (Start: 93 @4567 has 1 MA's), (119, 4678), (165, 4810), (172, 4834), (173, 4840), (175, 4852), (180, 4864), (242, 5029), (267, 5155), (268, 5158), (269, 5170), (272, 5179), (274, 5191), (298, 5254), (302, 5263), (315, 5299), (321, 5317), (324, 5326), (334, 5374), (354, 5470), (355, 5476), (363, 5512), (369, 5560), (374, 5584), (429, 5779), (459, 5872), (569, 6124), (603, 6259), (617, 6301), (622, 6313),

Gene: Apex_8 Start: 6292, Stop: 8181, Start Num: 30

Candidate Starts for Apex_8:

(Start: 30 @6292 has 453 MA's), (Start: 36 @6307 has 5 MA's), (83, 6388), (91, 6403), (102, 6454), (105, 6463), (117, 6514), (157, 6619), (173, 6679), (213, 6775), (240, 6853), (241, 6856), (243, 6865), (251, 6910), (269, 7000), (270, 7003), (301, 7081), (305, 7093), (334, 7195), (348, 7255), (355, 7297), (357, 7309), (374, 7408), (376, 7414), (383, 7441), (385, 7447), (388, 7456), (404, 7489), (428, 7597), (543, 7861), (547, 7870), (548, 7873), (569, 7936), (584, 7996), (585, 7999), (589, 8008), (617, 8122), (635, 8167), (639, 8173),

Gene: Apizium_8 Start: 4439, Stop: 6358, Start Num: 30

Candidate Starts for Apizium_8:

(Start: 30 @4439 has 453 MA's), (Start: 36 @4454 has 5 MA's), (Start: 85 @4550 has 7 MA's), (Start: 93 @4565 has 1 MA's), (119, 4676), (165, 4808), (172, 4832), (173, 4838), (175, 4850), (180, 4862), (242, 5027), (267, 5153), (268, 5156), (269, 5168), (272, 5177), (274, 5189), (298, 5252), (302, 5261), (315, 5297), (321, 5315), (324, 5324), (334, 5372), (354, 5468), (355, 5474), (363, 5510), (369, 5558),

(374, 5582), (429, 5777), (459, 5870), (569, 6122), (603, 6257), (617, 6299), (622, 6311),

Gene: Arbiter_12 Start: 7818, Stop: 9707, Start Num: 30

Candidate Starts for Arbiter_12:

(Start: 30 @7818 has 453 MA's), (54, 7866), (65, 7890), (Start: 78 @7908 has 11 MA's), (Start: 92 @7941 has 2 MA's), (117, 8049), (150, 8133), (168, 8196), (178, 8232), (199, 8283), (207, 8295), (213, 8316), (241, 8394), (243, 8403), (251, 8448), (269, 8538), (270, 8541), (272, 8547), (274, 8559), (279, 8574), (285, 8586), (319, 8670), (326, 8703), (330, 8721), (343, 8766), (355, 8835), (357, 8847), (369, 8922), (374, 8946), (376, 8952), (383, 8979), (387, 8991), (391, 8997), (404, 9027), (405, 9030), (412, 9057), (425, 9123), (427, 9132), (448, 9207), (463, 9243), (553, 9426), (555, 9429), (559, 9441), (583, 9528), (585, 9537), (589, 9546), (590, 9561), (597, 9591), (603, 9609), (608, 9624), (617, 9651), (622, 9663), (639, 9699),

Gene: Ares_12 Start: 7728, Stop: 9617, Start Num: 30

Candidate Starts for Ares_12:

(Start: 30 @7728 has 453 MA's), (54, 7776), (65, 7800), (Start: 78 @7818 has 11 MA's), (Start: 92 @7851 has 2 MA's), (117, 7959), (150, 8043), (168, 8106), (178, 8142), (199, 8193), (207, 8205), (213, 8226), (241, 8304), (243, 8313), (251, 8358), (269, 8448), (270, 8451), (272, 8457), (274, 8469), (279, 8484), (285, 8496), (319, 8580), (326, 8613), (330, 8631), (343, 8676), (355, 8745), (357, 8757), (369, 8832), (374, 8856), (376, 8862), (383, 8889), (387, 8901), (391, 8907), (404, 8937), (405, 8940), (412, 8967), (425, 9033), (427, 9042), (448, 9117), (463, 9153), (496, 9198), (553, 9336), (555, 9339), (559, 9351), (583, 9438), (585, 9447), (589, 9456), (590, 9471), (597, 9501), (603, 9519), (608, 9534), (617, 9561), (622, 9573), (639, 9609),

Gene: Argie_7 Start: 3607, Stop: 5463, Start Num: 30

Candidate Starts for Argie_7:

(Start: 21 @3589 has 7 MA's), (Start: 30 @3607 has 453 MA's), (Start: 59 @3664 has 2 MA's), (109, 3802), (117, 3832), (135, 3886), (173, 3997), (220, 4126), (241, 4183), (243, 4192), (251, 4237), (256, 4255), (271, 4333), (272, 4336), (315, 4420), (323, 4444), (327, 4468), (355, 4597), (357, 4609), (363, 4633), (369, 4684), (383, 4741), (387, 4753), (432, 4927), (459, 4996), (579, 5248), (617, 5389), (622, 5401), (640, 5443),

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

Candidate Starts for Ariadne_28:

(Start: 12 @10100 has 40 MA's), (Start: 14 @10109 has 16 MA's), (69, 10229), (101, 10334), (105, 10346), (128, 10445), (151, 10517), (157, 10535), (222, 10715), (225, 10721), (231, 10745), (243, 10784), (256, 10847), (263, 10874), (269, 10919), (320, 11021), (321, 11024), (329, 11063), (331, 11072), (343, 11114), (351, 11153), (363, 11219), (364, 11228), (365, 11243), (369, 11267), (386, 11333), (388, 11339), (398, 11366), (433, 11519), (438, 11537), (455, 11579), (463, 11603), (470, 11624), (498, 11660), (538, 11801), (544, 11813),

Gene: Arri_13 Start: 5627, Stop: 7213, Start Num: 7

Candidate Starts for Arri_13:

(Start: 7 @5627 has 114 MA's), (101, 5879), (108, 5909), (149, 6026), (156, 6047), (159, 6062), (240, 6236), (249, 6278), (253, 6302), (254, 6305), (265, 6344), (280, 6416), (320, 6476), (321, 6479), (322, 6482), (329, 6518), (331, 6527), (333, 6533), (334, 6536), (349, 6599), (356, 6644), (363, 6674), (369, 6722), (384, 6779), (387, 6788), (391, 6800), (412, 6857), (420, 6908),

Gene: Artu_68 Start: 28004, Stop: 29578, Start Num: 55

Candidate Starts for Artu_68:

(Start: 26 @27944 has 9 MA's), (Start: 55 @28004 has 4 MA's), (172, 28361), (241, 28550), (243, 28559), (304, 28763), (320, 28811), (358, 28991), (373, 29078), (396, 29144), (400, 29156), (460, 29387), (504, 29474), (540, 29567),

Gene: Ashertheman_12 Start: 6272, Stop: 7900, Start Num: 7

Candidate Starts for Ashertheman_12:

(Start: 7 @6272 has 114 MA's), (Start: 46 @6395 has 20 MA's), (58, 6416), (81, 6473), (100, 6536), (106, 6566), (126, 6629), (133, 6656), (208, 6824), (238, 6911), (246, 6950), (251, 6974), (256, 6992), (259, 7007), (261, 7013), (273, 7076), (320, 7148), (328, 7187), (343, 7253), (349, 7283), (356, 7328), (359, 7343), (360, 7346), (365, 7382), (374, 7430), (377, 7439), (384, 7466), (396, 7493), (411, 7538), (426, 7613), (431, 7643), (434, 7661), (453, 7700), (457, 7706), (464, 7721), (472, 7742), (474, 7748), (496, 7784), (506, 7817),

Gene: Ashraf_8 Start: 4438, Stop: 6357, Start Num: 30

Candidate Starts for Ashraf_8:

(Start: 30 @4438 has 453 MA's), (Start: 85 @4549 has 7 MA's), (Start: 93 @4564 has 1 MA's), (119, 4675), (165, 4807), (172, 4831), (173, 4837), (180, 4861), (224, 4975), (242, 5026), (267, 5152), (268, 5155), (269, 5167), (272, 5176), (274, 5188), (298, 5251), (302, 5260), (315, 5296), (321, 5314), (324, 5323), (334, 5371), (354, 5467), (355, 5473), (363, 5509), (369, 5557), (374, 5581), (429, 5776), (459, 5869), (569, 6121), (584, 6181), (603, 6256), (617, 6298), (622, 6310),

Gene: Asis_10 Start: 8087, Stop: 9889, Start Num: 78

Candidate Starts for Asis_10:

(Start: 78 @8087 has 11 MA's), (114, 8213), (120, 8234), (124, 8246), (137, 8294), (154, 8333), (166, 8375), (173, 8402), (197, 8471), (206, 8492), (213, 8513), (240, 8591), (242, 8597), (243, 8603), (265, 8699), (272, 8747), (318, 8825), (329, 8870), (331, 8879), (340, 8912), (348, 8948), (370, 9080), (459, 9377), (476, 9413), (502, 9458), (510, 9503), (519, 9536), (523, 9548), (549, 9599), (565, 9650), (570, 9668), (583, 9716), (584, 9722), (607, 9803), (618, 9833), (628, 9860), (638, 9878),

Gene: Athena_12 Start: 7077, Stop: 8981, Start Num: 30

Candidate Starts for Athena_12:

(Start: 30 @7077 has 453 MA's), (39, 7104), (84, 7185), (102, 7248), (119, 7314), (128, 7347), (168, 7455), (198, 7545), (224, 7623), (243, 7680), (253, 7734), (269, 7815), (274, 7836), (285, 7863), (308, 7914), (310, 7923), (315, 7932), (355, 8109), (357, 8121), (369, 8196), (374, 8220), (380, 8241), (411, 8325), (440, 8463), (448, 8481), (459, 8508), (473, 8532), (555, 8697), (558, 8706), (585, 8811), (589, 8820), (594, 8847), (622, 8937), (632, 8961), (639, 8973),

Gene: Atuin_70 Start: 31058, Stop: 32686, Start Num: 26

Candidate Starts for Atuin_70:

(Start: 26 @31058 has 9 MA's), (116, 31298), (172, 31475), (243, 31673), (276, 31835), (304, 31877), (307, 31889), (320, 31925), (358, 32105), (373, 32192), (400, 32270), (460, 32501), (504, 32588), (523, 32636), (540, 32675),

Gene: Audrey_11 Start: 6314, Stop: 8218, Start Num: 30

Candidate Starts for Audrey_11:

(Start: 30 @6314 has 453 MA's), (39, 6341), (84, 6422), (102, 6485), (119, 6551), (128, 6584), (168, 6692), (198, 6782), (224, 6860), (243, 6917), (253, 6971), (269, 7052), (274, 7073), (285, 7100), (308, 7151), (310, 7160), (315, 7169), (355, 7346), (357, 7358), (369, 7433), (374, 7457), (380, 7478), (411, 7562), (440, 7700), (448, 7718), (459, 7745), (473, 7769), (555, 7934), (558, 7943), (585, 8048), (589, 8057), (594, 8084), (622, 8174), (623, 8177), (632, 8198), (639, 8210),

Gene: Austelle_9 Start: 6748, Stop: 8637, Start Num: 30

Candidate Starts for Austelle_9:

(Start: 30 @6748 has 453 MA's), (Start: 36 @6763 has 5 MA's), (83, 6844), (91, 6859), (102, 6910), (105, 6919), (117, 6970), (157, 7075), (173, 7135), (213, 7231), (240, 7309), (241, 7312), (243, 7321), (251, 7366), (269, 7456), (270, 7459), (301, 7537), (305, 7549), (334, 7651), (348, 7711), (355, 7753),

(357, 7765), (369, 7840), (374, 7864), (376, 7870), (377, 7873), (383, 7897), (385, 7903), (388, 7912), (404, 7945), (412, 7975), (543, 8317), (547, 8326), (548, 8329), (569, 8392), (585, 8455), (589, 8464), (617, 8578), (635, 8623), (639, 8629),

Gene: Axumite_8 Start: 5303, Stop: 7141, Start Num: 30

Candidate Starts for Axumite_8:

(Start: 30 @5303 has 453 MA's), (Start: 55 @5351 has 4 MA's), (Start: 92 @5417 has 2 MA's), (101, 5459), (142, 5591), (168, 5654), (173, 5672), (241, 5825), (243, 5834), (251, 5879), (259, 5912), (269, 5969), (270, 5972), (274, 5990), (286, 6023), (297, 6050), (330, 6161), (334, 6173), (336, 6188), (355, 6275), (357, 6287), (369, 6362), (374, 6386), (384, 6422), (386, 6428), (387, 6431), (388, 6434), (404, 6467), (557, 6866), (558, 6869), (559, 6872), (579, 6941), (580, 6947), (585, 6968), (594, 7004), (606, 7049), (612, 7070), (622, 7094), (626, 7106), (632, 7118), (633, 7121),

Gene: BabyDotz_21 Start: 8763, Stop: 10589, Start Num: 41

Candidate Starts for BabyDotz_21:

(Start: 41 @8763 has 55 MA's), (144, 9048), (165, 9087), (191, 9165), (207, 9183), (256, 9333), (259, 9348), (269, 9405), (291, 9474), (312, 9522), (316, 9531), (349, 9666), (356, 9711), (357, 9717), (360, 9729), (369, 9789), (411, 9918), (412, 9924), (416, 9951), (440, 10050), (462, 10095), (557, 10290), (566, 10326), (573, 10344), (587, 10389),

Gene: BabyGotBac_10 Start: 8087, Stop: 9889, Start Num: 78

Candidate Starts for BabyGotBac_10:

(Start: 78 @8087 has 11 MA's), (114, 8213), (120, 8234), (124, 8246), (137, 8294), (154, 8333), (166, 8375), (173, 8402), (197, 8471), (206, 8492), (213, 8513), (240, 8591), (242, 8597), (243, 8603), (265, 8699), (272, 8747), (318, 8825), (329, 8870), (331, 8879), (340, 8912), (348, 8948), (370, 9080), (459, 9377), (476, 9413), (502, 9458), (510, 9503), (523, 9548), (549, 9599), (565, 9650), (570, 9668), (583, 9716), (607, 9803), (618, 9833), (628, 9860), (638, 9878),

Gene: BaconCheese_24 Start: 9916, Stop: 11742, Start Num: 41

Candidate Starts for BaconCheese_24:

(Start: 41 @9916 has 55 MA's), (144, 10201), (165, 10240), (191, 10318), (207, 10336), (256, 10486), (259, 10501), (269, 10558), (291, 10627), (312, 10675), (316, 10684), (349, 10819), (356, 10864), (357, 10870), (360, 10882), (369, 10942), (411, 11071), (412, 11077), (416, 11104), (440, 11203), (462, 11248), (557, 11443), (566, 11479), (573, 11497), (587, 11542),

Gene: Baddon_12 Start: 6982, Stop: 8613, Start Num: 7

Candidate Starts for Baddon_12:

(Start: 7 @6982 has 114 MA's), (Start: 46 @7105 has 20 MA's), (58, 7126), (81, 7183), (100, 7246), (106, 7276), (126, 7339), (133, 7366), (203, 7522), (208, 7534), (238, 7621), (246, 7660), (251, 7684), (256, 7702), (259, 7717), (261, 7723), (273, 7786), (320, 7858), (324, 7870), (328, 7897), (334, 7918), (343, 7963), (349, 7993), (356, 8038), (359, 8053), (360, 8056), (365, 8092), (374, 8140), (377, 8149), (411, 8248), (420, 8305), (426, 8323), (431, 8353), (434, 8371), (453, 8410), (457, 8416), (464, 8431), (472, 8452), (474, 8458), (496, 8497),

Gene: Badfish_8 Start: 4441, Stop: 6360, Start Num: 30

Candidate Starts for Badfish_8:

(Start: 30 @4441 has 453 MA's), (Start: 36 @4456 has 5 MA's), (Start: 85 @4552 has 7 MA's), (Start: 93 @4567 has 1 MA's), (119, 4678), (165, 4810), (172, 4834), (173, 4840), (175, 4852), (180, 4864), (242, 5029), (267, 5155), (268, 5158), (269, 5170), (272, 5179), (274, 5191), (298, 5254), (302, 5263), (315, 5299), (321, 5317), (324, 5326), (334, 5374), (354, 5470), (355, 5476), (363, 5512), (369, 5560), (374, 5584), (429, 5779), (459, 5872), (569, 6124), (603, 6259), (617, 6301), (622, 6313),

Gene: Baee_10 Start: 6699, Stop: 8567, Start Num: 30

Candidate Starts for Baee_10:

(Start: 30 @6699 has 453 MA's), (39, 6723), (96, 6819), (101, 6855), (105, 6867), (166, 7053), (172, 7074), (173, 7080), (225, 7191), (228, 7206), (243, 7245), (270, 7383), (274, 7401), (301, 7461), (340, 7599), (355, 7677), (357, 7689), (374, 7788), (383, 7821), (387, 7833), (392, 7845), (404, 7869), (454, 8067), (539, 8247), (548, 8268), (552, 8271), (559, 8289), (584, 8391), (598, 8451), (639, 8559), (640, 8562),

Gene: Bakery_13 Start: 5328, Stop: 6914, Start Num: 7

Candidate Starts for Bakery_13:

(Start: 7 @5328 has 114 MA's), (42, 5442), (96, 5544), (108, 5610), (117, 5643), (150, 5730), (156, 5748), (253, 6003), (254, 6006), (265, 6045), (280, 6117), (320, 6177), (321, 6180), (322, 6183), (328, 6216), (329, 6219), (331, 6228), (333, 6234), (334, 6237), (349, 6300), (356, 6345), (363, 6375), (369, 6423), (384, 6480), (387, 6489), (391, 6501), (412, 6558), (420, 6609),

Gene: Baloo_11 Start: 6314, Stop: 8218, Start Num: 30

Candidate Starts for Baloo_11:

(Start: 30 @6314 has 453 MA's), (39, 6341), (84, 6422), (102, 6485), (119, 6551), (128, 6584), (168, 6692), (198, 6782), (224, 6860), (243, 6917), (253, 6971), (269, 7052), (274, 7073), (285, 7100), (308, 7151), (310, 7160), (315, 7169), (355, 7346), (357, 7358), (369, 7433), (374, 7457), (380, 7478), (411, 7562), (440, 7700), (448, 7718), (459, 7745), (473, 7769), (555, 7934), (558, 7943), (585, 8048), (589, 8057), (594, 8084), (622, 8174), (632, 8198), (639, 8210),

Gene: Bananafish_12 Start: 7728, Stop: 9617, Start Num: 30

Candidate Starts for Bananafish_12:

(Start: 30 @7728 has 453 MA's), (54, 7776), (65, 7800), (Start: 78 @7818 has 11 MA's), (Start: 92 @7851 has 2 MA's), (117, 7959), (150, 8043), (168, 8106), (178, 8142), (199, 8193), (207, 8205), (213, 8226), (241, 8304), (243, 8313), (251, 8358), (269, 8448), (270, 8451), (272, 8457), (274, 8469), (279, 8484), (285, 8496), (319, 8580), (326, 8613), (330, 8631), (343, 8676), (355, 8745), (357, 8757), (369, 8832), (374, 8856), (376, 8862), (383, 8889), (387, 8901), (391, 8907), (404, 8937), (405, 8940), (412, 8967), (425, 9033), (427, 9042), (448, 9117), (463, 9153), (496, 9198), (553, 9336), (555, 9339), (559, 9351), (583, 9438), (585, 9447), (589, 9456), (590, 9471), (597, 9501), (603, 9519), (608, 9534), (617, 9561), (622, 9573), (639, 9609),

Gene: Banjo_8 Start: 4442, Stop: 6361, Start Num: 30

Candidate Starts for Banjo_8:

(Start: 30 @4442 has 453 MA's), (Start: 36 @4457 has 5 MA's), (Start: 85 @4553 has 7 MA's), (Start: 93 @4568 has 1 MA's), (119, 4679), (165, 4811), (172, 4835), (173, 4841), (175, 4853), (180, 4865), (242, 5030), (267, 5156), (268, 5159), (269, 5171), (272, 5180), (274, 5192), (298, 5255), (302, 5264), (315, 5300), (321, 5318), (324, 5327), (334, 5375), (354, 5471), (355, 5477), (363, 5513), (369, 5561), (374, 5585), (429, 5780), (459, 5873), (569, 6125), (603, 6260), (617, 6302), (622, 6314),

Gene: Barb_12 Start: 5583, Stop: 7169, Start Num: 7

Candidate Starts for Barb_12:

(Start: 7 @5583 has 114 MA's), (101, 5835), (108, 5865), (149, 5982), (156, 6003), (159, 6018), (240, 6192), (249, 6234), (253, 6258), (254, 6261), (265, 6300), (280, 6372), (320, 6432), (321, 6435), (322, 6438), (329, 6474), (331, 6483), (333, 6489), (334, 6492), (349, 6555), (356, 6600), (363, 6630), (369, 6678), (384, 6735), (391, 6756), (404, 6783), (405, 6786), (412, 6813), (420, 6864), (431, 6912),

Gene: Barsten_13 Start: 6478, Stop: 8100, Start Num: 7

Candidate Starts for Barsten_13:

(Start: 7 @6478 has 114 MA's), (71, 6637), (81, 6676), (100, 6739), (126, 6832), (133, 6859), (149, 6898), (208, 7027), (227, 7087), (247, 7156), (251, 7177), (256, 7195), (259, 7210), (261, 7216), (273, 7279), (316, 7339), (320, 7351), (328, 7390), (331, 7402), (334, 7411), (339, 7444), (343, 7456), (349,

7486), (356, 7531), (359, 7546), (360, 7549), (365, 7585), (374, 7633), (377, 7642), (384, 7669), (431, 7846), (453, 7903), (457, 7909), (464, 7924), (472, 7945), (474, 7951), (496, 7987), (505, 8014),

Gene: Basato_9 Start: 4786, Stop: 6594, Start Num: 85

Candidate Starts for Basato_9:

(Start: 30 @4675 has 453 MA's), (Start: 85 @4786 has 7 MA's), (Start: 93 @4801 has 1 MA's), (119, 4912), (165, 5044), (172, 5068), (173, 5074), (175, 5086), (180, 5098), (242, 5263), (267, 5389), (268, 5392), (269, 5404), (272, 5413), (274, 5425), (298, 5488), (302, 5497), (315, 5533), (321, 5551), (324, 5560), (334, 5608), (354, 5704), (355, 5710), (363, 5746), (369, 5794), (374, 5818), (429, 6013), (459, 6106), (569, 6358), (603, 6493), (617, 6535), (622, 6547),

Gene: BatteryCK_8 Start: 4438, Stop: 6357, Start Num: 30

Candidate Starts for BatteryCK_8:

(Start: 30 @4438 has 453 MA's), (Start: 85 @4549 has 7 MA's), (Start: 93 @4564 has 1 MA's), (119, 4675), (165, 4807), (172, 4831), (173, 4837), (180, 4861), (224, 4975), (242, 5026), (267, 5152), (268, 5155), (269, 5167), (272, 5176), (274, 5188), (298, 5251), (302, 5260), (315, 5296), (321, 5314), (324, 5323), (334, 5371), (354, 5467), (355, 5473), (363, 5509), (369, 5557), (374, 5581), (429, 5776), (459, 5869), (569, 6121), (584, 6181), (603, 6256), (617, 6298), (622, 6310),

Gene: Baumdotcom_12 Start: 6295, Stop: 7923, Start Num: 7

Candidate Starts for Baumdotcom_12:

(Start: 7 @6295 has 114 MA's), (Start: 46 @6418 has 20 MA's), (58, 6439), (81, 6496), (100, 6559), (106, 6589), (126, 6652), (133, 6679), (208, 6847), (238, 6934), (246, 6973), (251, 6997), (256, 7015), (259, 7030), (261, 7036), (273, 7099), (320, 7171), (328, 7210), (343, 7276), (349, 7306), (356, 7351), (359, 7366), (360, 7369), (365, 7405), (374, 7453), (377, 7462), (384, 7489), (396, 7516), (411, 7561), (420, 7618), (426, 7636), (431, 7666), (434, 7684), (453, 7723), (457, 7729), (464, 7744), (472, 7765), (474, 7771), (496, 7807), (506, 7840),

Gene: BayC_10 Start: 8087, Stop: 9889, Start Num: 78

Candidate Starts for BayC_10:

(Start: 78 @8087 has 11 MA's), (114, 8213), (120, 8234), (124, 8246), (137, 8294), (154, 8333), (166, 8375), (173, 8402), (197, 8471), (206, 8492), (213, 8513), (240, 8591), (242, 8597), (243, 8603), (265, 8699), (272, 8747), (318, 8825), (329, 8870), (331, 8879), (340, 8912), (348, 8948), (370, 9080), (459, 9377), (476, 9413), (510, 9503), (519, 9536), (523, 9548), (549, 9599), (565, 9650), (570, 9668), (583, 9716), (584, 9722), (607, 9803), (618, 9833), (628, 9860), (638, 9878),

Gene: Beagle_23 Start: 9245, Stop: 11137, Start Num: 46

Candidate Starts for Beagle_23:

(Start: 46 @9245 has 20 MA's), (50, 9254), (71, 9293), (109, 9416), (115, 9434), (139, 9509), (172, 9584), (253, 9827), (320, 10019), (357, 10193), (360, 10205), (393, 10355), (411, 10406), (416, 10439), (417, 10445), (425, 10478), (433, 10514), (442, 10541), (461, 10580), (474, 10601), (479, 10613), (482, 10619), (573, 10883), (608, 11000), (634, 11096),

Gene: BeagleBug_19 Start: 8461, Stop: 10137, Start Num: 12

Candidate Starts for BeagleBug_19:

(Start: 12 @8461 has 40 MA's), (Start: 14 @8470 has 16 MA's), (66, 8584), (69, 8590), (101, 8695), (105, 8707), (128, 8806), (129, 8812), (133, 8824), (151, 8878), (157, 8896), (172, 8950), (180, 8980), (204, 9019), (211, 9037), (213, 9046), (225, 9082), (243, 9145), (256, 9208), (263, 9235), (269, 9280), (320, 9382), (321, 9385), (329, 9424), (334, 9442), (351, 9514), (363, 9580), (364, 9589), (369, 9628), (377, 9661), (386, 9694), (388, 9700), (398, 9730), (404, 9745), (433, 9883), (437, 9898), (447, 9919), (448, 9922),

Gene: Beaglebox_8 Start: 4441, Stop: 6360, Start Num: 30

Candidate Starts for Beaglebox_8:

(Start: 30 @4441 has 453 MA's), (Start: 36 @4456 has 5 MA's), (Start: 85 @4552 has 7 MA's), (Start: 93 @4567 has 1 MA's), (119, 4678), (165, 4810), (172, 4834), (173, 4840), (175, 4852), (180, 4864), (242, 5029), (267, 5155), (268, 5158), (269, 5170), (272, 5179), (274, 5191), (298, 5254), (302, 5263), (315, 5299), (321, 5317), (324, 5326), (334, 5374), (354, 5470), (355, 5476), (363, 5512), (369, 5560), (374, 5584), (429, 5779), (459, 5872), (569, 6124), (603, 6259), (617, 6301), (622, 6313),

Gene: Ben11_10 Start: 6162, Stop: 8066, Start Num: 30

Candidate Starts for Ben11_10:

(Start: 30 @6162 has 453 MA's), (39, 6189), (84, 6270), (102, 6333), (119, 6399), (128, 6432), (168, 6540), (198, 6630), (224, 6708), (243, 6765), (253, 6819), (269, 6900), (274, 6921), (285, 6948), (308, 6999), (310, 7008), (315, 7017), (355, 7194), (357, 7206), (369, 7281), (374, 7305), (380, 7326), (411, 7410), (440, 7548), (448, 7566), (459, 7593), (473, 7617), (555, 7782), (558, 7791), (585, 7896), (589, 7905), (594, 7932), (622, 8022), (623, 8025), (632, 8046), (639, 8058),

Gene: Bernardo_11 Start: 6342, Stop: 8240, Start Num: 30

Candidate Starts for Bernardo_11:

(Start: 30 @6342 has 453 MA's), (39, 6369), (84, 6450), (102, 6513), (119, 6579), (128, 6612), (168, 6720), (198, 6810), (224, 6888), (243, 6945), (253, 6999), (269, 7080), (274, 7101), (285, 7128), (308, 7179), (310, 7188), (315, 7197), (355, 7374), (357, 7386), (369, 7461), (374, 7485), (380, 7506), (411, 7590), (440, 7728), (448, 7746), (459, 7773), (473, 7797), (555, 7956), (558, 7965), (585, 8070), (589, 8079), (594, 8106), (603, 8142), (622, 8196), (623, 8199), (632, 8220), (639, 8232),

Gene: BetaFish_22 Start: 9448, Stop: 11340, Start Num: 46

Candidate Starts for BetaFish_22:

(Start: 46 @9448 has 20 MA's), (50, 9457), (71, 9496), (109, 9619), (115, 9637), (130, 9688), (139, 9712), (172, 9787), (253, 10030), (320, 10222), (357, 10396), (360, 10408), (393, 10558), (411, 10609), (416, 10642), (417, 10648), (425, 10681), (433, 10717), (442, 10744), (461, 10783), (474, 10804), (479, 10816), (573, 11086), (608, 11203), (634, 11299),

Gene: Bibwit_12 Start: 7349, Stop: 8971, Start Num: 7

Candidate Starts for Bibwit_12:

(Start: 7 @7349 has 114 MA's), (71, 7508), (81, 7547), (100, 7610), (126, 7703), (133, 7730), (149, 7769), (208, 7898), (227, 7958), (247, 8027), (251, 8048), (256, 8066), (259, 8081), (261, 8087), (273, 8150), (316, 8210), (320, 8222), (328, 8261), (331, 8273), (334, 8282), (343, 8327), (349, 8357), (356, 8402), (359, 8417), (360, 8420), (365, 8456), (374, 8504), (377, 8513), (384, 8540), (431, 8717), (453, 8774), (457, 8780), (464, 8795), (472, 8816), (474, 8822), (496, 8858), (505, 8885),

Gene: Big4_71 Start: 29132, Stop: 30859, Start Num: 34

Candidate Starts for Big4_71:

(Start: 34 @29132 has 9 MA's), (Start: 55 @29186 has 4 MA's), (71, 29210), (86, 29261), (98, 29297), (123, 29399), (140, 29450), (153, 29483), (172, 29549), (241, 29756), (251, 29810), (320, 30026), (343, 30119), (349, 30149), (364, 30233), (368, 30269), (373, 30293), (382, 30326), (387, 30341), (437, 30545), (438, 30548), (440, 30551), (460, 30602), (516, 30773),

Gene: BigHunkinEater_17 Start: 6888, Stop: 8561, Start Num: 7

Candidate Starts for BigHunkinEater_17:

(Start: 7 @6888 has 114 MA's), (Start: 22 @6963 has 3 MA's), (Start: 41 @7011 has 55 MA's), (77, 7098), (100, 7179), (106, 7209), (108, 7218), (150, 7341), (163, 7386), (204, 7458), (208, 7467), (244, 7578), (246, 7593), (251, 7617), (256, 7635), (258, 7647), (259, 7650), (261, 7656), (280, 7731), (316, 7779), (320, 7791), (349, 7926), (356, 7971), (364, 8010), (371, 8061), (380, 8094), (383, 8106), (384, 8109), (396, 8136), (405, 8160), (420, 8238), (431, 8289), (439, 8319), (443, 8325), (465, 8382), (484, 8427),

Gene: BiggityBass_7 Start: 5116, Stop: 6957, Start Num: 30

Candidate Starts for BiggityBass_7:

(Start: 30 @5116 has 453 MA's), (Start: 92 @5230 has 2 MA's), (101, 5272), (117, 5335), (168, 5467), (173, 5485), (213, 5560), (251, 5692), (259, 5725), (269, 5782), (270, 5785), (274, 5803), (290, 5854), (330, 5983), (334, 5995), (336, 6010), (355, 6097), (384, 6244), (387, 6253), (391, 6259), (410, 6310), (510, 6589), (555, 6676), (557, 6682), (579, 6757), (580, 6763), (585, 6784), (606, 6865), (617, 6898), (622, 6910), (632, 6934), (633, 6937),

Gene: BirdInFrench_21 Start: 7665, Stop: 9464, Start Num: 41

Candidate Starts for BirdInFrench_21:

(Start: 41 @7665 has 55 MA's), (165, 7980), (173, 8010), (207, 8076), (284, 8343), (299, 8388), (328, 8475), (340, 8520), (348, 8556), (356, 8604), (357, 8610), (360, 8622), (365, 8658), (369, 8682), (411, 8817), (433, 8925), (438, 8946), (480, 9027), (557, 9165), (566, 9201), (589, 9267), (606, 9336), (613, 9369), (638, 9438),

Gene: BirdsNest_12 Start: 5147, Stop: 7066, Start Num: 30

Candidate Starts for BirdsNest_12:

(Start: 30 @5147 has 453 MA's), (166, 5522), (169, 5534), (180, 5573), (203, 5624), (210, 5639), (244, 5750), (251, 5789), (267, 5864), (268, 5867), (274, 5900), (291, 5948), (302, 5972), (305, 5981), (310, 5999), (324, 6035), (347, 6134), (355, 6185), (363, 6221), (374, 6293), (440, 6536), (448, 6554), (552, 6770), (557, 6782), (585, 6893), (589, 6902), (590, 6917), (603, 6965), (635, 7052),

Gene: Bishoperium_8 Start: 4457, Stop: 6361, Start Num: 36

Candidate Starts for Bishoperium_8:

(Start: 30 @4442 has 453 MA's), (Start: 36 @4457 has 5 MA's), (Start: 85 @4553 has 7 MA's), (Start: 93 @4568 has 1 MA's), (119, 4679), (165, 4811), (172, 4835), (173, 4841), (175, 4853), (180, 4865), (242, 5030), (267, 5156), (268, 5159), (269, 5171), (272, 5180), (274, 5192), (298, 5255), (302, 5264), (315, 5300), (321, 5318), (324, 5327), (334, 5375), (354, 5471), (355, 5477), (363, 5513), (369, 5561), (374, 5585), (429, 5780), (459, 5873), (569, 6125), (603, 6260), (617, 6302), (622, 6314),

Gene: Bizzy_13 Start: 6469, Stop: 8097, Start Num: 7

Candidate Starts for Bizzy_13:

(Start: 7 @6469 has 114 MA's), (Start: 46 @6592 has 20 MA's), (58, 6613), (81, 6670), (100, 6733), (106, 6763), (126, 6826), (133, 6853), (208, 7021), (238, 7108), (246, 7147), (251, 7171), (256, 7189), (259, 7204), (261, 7210), (273, 7273), (320, 7345), (328, 7384), (343, 7450), (349, 7480), (356, 7525), (359, 7540), (360, 7543), (365, 7579), (374, 7627), (377, 7636), (384, 7663), (396, 7690), (411, 7735), (426, 7810), (431, 7840), (434, 7858), (453, 7897), (457, 7903), (464, 7918), (472, 7939), (474, 7945), (496, 7981), (506, 8014),

Gene: Blab_20 Start: 8374, Stop: 10200, Start Num: 41

Candidate Starts for Blab_20:

(Start: 41 @8374 has 55 MA's), (144, 8659), (165, 8698), (191, 8776), (207, 8794), (256, 8944), (259, 8959), (269, 9016), (312, 9133), (316, 9142), (349, 9277), (356, 9322), (357, 9328), (360, 9340), (369, 9400), (411, 9529), (412, 9535), (416, 9562), (440, 9661), (462, 9706), (557, 9901), (566, 9937), (573, 9955), (587, 10000),

Gene: BlackStallion_8 Start: 4439, Stop: 6358, Start Num: 30

Candidate Starts for BlackStallion_8:

(Start: 30 @4439 has 453 MA's), (Start: 36 @4454 has 5 MA's), (Start: 85 @4550 has 7 MA's), (Start: 93 @4565 has 1 MA's), (119, 4676), (165, 4808), (172, 4832), (173, 4838), (175, 4850), (180, 4862), (242, 5027), (267, 5153), (268, 5156), (269, 5168), (272, 5177), (274, 5189), (298, 5252), (302, 5261), (315, 5297), (321, 5315), (324, 5324), (334, 5372), (354, 5468), (355, 5474), (363, 5510), (369, 5558),

(374, 5582), (429, 5777), (459, 5870), (569, 6122), (603, 6257), (617, 6299), (622, 6311),

Gene: Blackpen_10 Start: 6386, Stop: 8119, Start Num: 92

Candidate Starts for Blackpen_10:

(Start: 30 @6272 has 453 MA's), (Start: 92 @6386 has 2 MA's), (101, 6428), (117, 6491), (137, 6557), (160, 6599), (178, 6662), (235, 6785), (237, 6791), (241, 6800), (243, 6809), (270, 6947), (274, 6965), (321, 7106), (326, 7133), (330, 7151), (334, 7163), (347, 7214), (355, 7265), (369, 7352), (374, 7376), (448, 7634), (476, 7694), (480, 7703), (557, 7844), (558, 7847), (579, 7919), (580, 7925), (585, 7946), (598, 8003), (602, 8015), (612, 8048), (617, 8060), (622, 8072), (626, 8084), (632, 8096), (633, 8099),

Gene: BlacksBerry_8 Start: 4441, Stop: 6360, Start Num: 30

Candidate Starts for BlacksBerry_8:

(Start: 30 @4441 has 453 MA's), (Start: 36 @4456 has 5 MA's), (Start: 85 @4552 has 7 MA's), (Start: 93 @4567 has 1 MA's), (119, 4678), (165, 4810), (172, 4834), (173, 4840), (175, 4852), (180, 4864), (242, 5029), (267, 5155), (268, 5158), (269, 5170), (272, 5179), (274, 5191), (298, 5254), (302, 5263), (315, 5299), (321, 5317), (324, 5326), (334, 5374), (354, 5470), (355, 5476), (363, 5512), (369, 5560), (374, 5584), (429, 5779), (459, 5872), (569, 6124), (603, 6259), (617, 6301), (622, 6313),

Gene: Blocker23_12 Start: 7845, Stop: 9734, Start Num: 30

Candidate Starts for Blocker23_12:

(Start: 30 @7845 has 453 MA's), (54, 7893), (65, 7917), (Start: 78 @7935 has 11 MA's), (Start: 92 @7968 has 2 MA's), (117, 8076), (150, 8160), (168, 8223), (178, 8259), (199, 8310), (207, 8322), (213, 8343), (241, 8421), (243, 8430), (251, 8475), (269, 8565), (270, 8568), (272, 8574), (274, 8586), (279, 8601), (285, 8613), (319, 8697), (326, 8730), (330, 8748), (343, 8793), (355, 8862), (357, 8874), (369, 8949), (374, 8973), (376, 8979), (383, 9006), (387, 9018), (391, 9024), (404, 9054), (405, 9057), (412, 9084), (425, 9150), (427, 9159), (448, 9234), (463, 9270), (496, 9315), (553, 9453), (555, 9456), (559, 9468), (583, 9555), (585, 9564), (589, 9573), (590, 9588), (597, 9618), (603, 9636), (608, 9651), (617, 9678), (622, 9690), (639, 9726),

Gene: Bloom_80 Start: 33695, Stop: 35374, Start Num: 26

Candidate Starts for Bloom_80:

(Start: 22 @33689 has 3 MA's), (Start: 26 @33695 has 9 MA's), (Start: 78 @33800 has 11 MA's), (113, 33923), (116, 33935), (157, 34058), (243, 34310), (251, 34355), (301, 34511), (304, 34520), (307, 34532), (320, 34568), (325, 34589), (363, 34766), (451, 35120), (478, 35186), (480, 35192), (523, 35318), (526, 35327), (540, 35363),

Gene: BlueHusk_8 Start: 4438, Stop: 6357, Start Num: 30

Candidate Starts for BlueHusk_8:

(Start: 30 @4438 has 453 MA's), (Start: 85 @4549 has 7 MA's), (Start: 93 @4564 has 1 MA's), (119, 4675), (165, 4807), (172, 4831), (173, 4837), (175, 4849), (180, 4861), (242, 5026), (267, 5152), (268, 5155), (269, 5167), (272, 5176), (274, 5188), (298, 5251), (302, 5260), (315, 5296), (321, 5314), (324, 5323), (334, 5371), (354, 5467), (355, 5473), (363, 5509), (369, 5557), (374, 5581), (429, 5776), (459, 5869), (569, 6121), (603, 6256), (617, 6298), (622, 6310),

Gene: BlueNGold_76 Start: 31373, Stop: 33103, Start Num: 27

Candidate Starts for BlueNGold_76:

(Start: 27 @31373 has 5 MA's), (71, 31451), (89, 31505), (95, 31517), (116, 31604), (119, 31619), (145, 31709), (168, 31784), (195, 31874), (248, 32069), (251, 32087), (252, 32090), (256, 32105), (259, 32120), (264, 32135), (267, 32162), (275, 32201), (342, 32372), (349, 32405), (357, 32456), (361, 32471), (363, 32480), (375, 32555), (376, 32558), (382, 32582), (438, 32807), (446, 32822), (456, 32852), (474, 32900), (480, 32915), (483, 32921),

Gene: Bluephacebaby_8 Start: 4442, Stop: 6361, Start Num: 30

Candidate Starts for Bluephacebaby_8:

(Start: 30 @4442 has 453 MA's), (Start: 36 @4457 has 5 MA's), (Start: 85 @4553 has 7 MA's), (Start: 93 @4568 has 1 MA's), (119, 4679), (165, 4811), (172, 4835), (173, 4841), (175, 4853), (180, 4865), (242, 5030), (267, 5156), (268, 5159), (269, 5171), (272, 5180), (274, 5192), (298, 5255), (302, 5264), (315, 5300), (321, 5318), (324, 5327), (334, 5375), (354, 5471), (355, 5477), (363, 5513), (369, 5561), (374, 5585), (429, 5780), (459, 5873), (569, 6125), (603, 6260), (617, 6302), (622, 6314),

Gene: BobBob_10 Start: 6015, Stop: 7637, Start Num: 7

Candidate Starts for BobBob_10:

(Start: 7 @6015 has 114 MA's), (71, 6174), (81, 6213), (100, 6276), (126, 6369), (133, 6396), (149, 6435), (204, 6555), (208, 6564), (227, 6624), (247, 6693), (251, 6714), (256, 6732), (259, 6747), (261, 6753), (273, 6816), (316, 6876), (320, 6888), (328, 6927), (331, 6939), (334, 6948), (343, 6993), (349, 7023), (356, 7068), (359, 7083), (360, 7086), (365, 7122), (374, 7170), (377, 7179), (384, 7206), (431, 7383), (453, 7440), (457, 7446), (464, 7461), (472, 7482), (474, 7488), (496, 7524), (505, 7551),

Gene: BobRoss2024_7 Start: 5144, Stop: 6973, Start Num: 30

Candidate Starts for BobRoss2024_7:

(Start: 30 @5144 has 453 MA's), (Start: 92 @5258 has 2 MA's), (101, 5300), (173, 5513), (210, 5573), (243, 5675), (251, 5720), (270, 5813), (274, 5831), (319, 5960), (321, 5966), (326, 5993), (330, 6011), (334, 6023), (355, 6125), (374, 6236), (377, 6245), (378, 6248), (387, 6281), (448, 6494), (480, 6563), (555, 6692), (557, 6698), (558, 6701), (559, 6704), (563, 6716), (579, 6773), (580, 6779), (585, 6800), (594, 6836), (598, 6857), (602, 6869), (612, 6902), (622, 6926), (633, 6953),

Gene: BobbyK_9 Start: 6745, Stop: 8634, Start Num: 30

Candidate Starts for BobbyK_9:

(Start: 30 @6745 has 453 MA's), (Start: 36 @6760 has 5 MA's), (83, 6841), (91, 6856), (102, 6907), (105, 6916), (117, 6967), (157, 7072), (173, 7132), (213, 7228), (240, 7306), (241, 7309), (243, 7318), (251, 7363), (269, 7453), (270, 7456), (301, 7534), (305, 7546), (334, 7648), (348, 7708), (355, 7750), (357, 7762), (369, 7837), (374, 7861), (376, 7867), (383, 7894), (385, 7900), (388, 7909), (404, 7942), (412, 7972), (543, 8314), (547, 8323), (548, 8326), (569, 8389), (584, 8449), (585, 8452), (589, 8461), (617, 8575), (626, 8599), (639, 8626),

Gene: Boehler_8 Start: 4441, Stop: 6360, Start Num: 30

Candidate Starts for Boehler_8:

(Start: 30 @4441 has 453 MA's), (Start: 36 @4456 has 5 MA's), (Start: 85 @4552 has 7 MA's), (Start: 93 @4567 has 1 MA's), (119, 4678), (165, 4810), (172, 4834), (173, 4840), (175, 4852), (180, 4864), (242, 5029), (267, 5155), (268, 5158), (269, 5170), (272, 5179), (274, 5191), (298, 5254), (302, 5263), (315, 5299), (321, 5317), (324, 5326), (334, 5374), (354, 5470), (355, 5476), (363, 5512), (369, 5560), (374, 5584), (429, 5779), (459, 5872), (569, 6124), (603, 6259), (617, 6301), (622, 6313),

Gene: Boise_13 Start: 6378, Stop: 8228, Start Num: 46

Candidate Starts for Boise_13:

(Start: 38 @6363 has 1 MA's), (Start: 46 @6378 has 20 MA's), (Start: 78 @6444 has 11 MA's), (84, 6462), (113, 6561), (115, 6570), (116, 6573), (118, 6585), (119, 6588), (131, 6621), (142, 6648), (165, 6693), (210, 6795), (217, 6822), (223, 6837), (238, 6876), (245, 6909), (250, 6927), (253, 6945), (272, 7035), (274, 7047), (312, 7131), (320, 7152), (329, 7194), (343, 7245), (356, 7320), (357, 7326), (360, 7338), (373, 7419), (381, 7449), (394, 7485), (411, 7530), (433, 7638), (521, 7845), (548, 7881), (571, 7950), (585, 7998), (594, 8037), (608, 8082), (634, 8178),

Gene: BooTeria_66 Start: 28459, Stop: 30033, Start Num: 55

Candidate Starts for BooTeria_66:

(Start: 26 @28399 has 9 MA's), (Start: 55 @28459 has 4 MA's), (172, 28816), (241, 29005), (243, 29014), (304, 29218), (320, 29266), (358, 29446), (373, 29533), (396, 29599), (400, 29611), (460,

29842), (504, 29929), (540, 30022),

Gene: BoogieWoogie_8 Start: 4438, Stop: 6357, Start Num: 30

Candidate Starts for BoogieWoogie_8:

(Start: 30 @4438 has 453 MA's), (Start: 36 @4453 has 5 MA's), (Start: 85 @4549 has 7 MA's), (Start: 93 @4564 has 1 MA's), (119, 4675), (165, 4807), (172, 4831), (173, 4837), (175, 4849), (180, 4861), (242, 5026), (267, 5152), (268, 5155), (269, 5167), (272, 5176), (274, 5188), (298, 5251), (302, 5260), (315, 5296), (321, 5314), (324, 5323), (334, 5371), (354, 5467), (355, 5473), (363, 5509), (369, 5557), (374, 5581), (429, 5776), (459, 5869), (569, 6121), (603, 6256), (617, 6298), (622, 6310),

Gene: Boopy_77 Start: 31385, Stop: 33115, Start Num: 27

Candidate Starts for Boopy_77:

(Start: 27 @31385 has 5 MA's), (71, 31463), (89, 31517), (95, 31529), (116, 31616), (119, 31631), (145, 31721), (168, 31796), (195, 31886), (248, 32081), (251, 32099), (252, 32102), (256, 32117), (259, 32132), (264, 32147), (267, 32174), (275, 32213), (342, 32384), (349, 32417), (357, 32468), (361, 32483), (363, 32492), (375, 32567), (376, 32570), (382, 32594), (438, 32819), (446, 32834), (456, 32864), (474, 32912), (480, 32927), (483, 32933),

Gene: Boyle_12 Start: 7845, Stop: 9734, Start Num: 30

Candidate Starts for Boyle_12:

(Start: 30 @7845 has 453 MA's), (54, 7893), (65, 7917), (Start: 78 @7935 has 11 MA's), (Start: 92 @7968 has 2 MA's), (150, 8160), (168, 8223), (178, 8259), (199, 8310), (207, 8322), (213, 8343), (241, 8421), (243, 8430), (251, 8475), (269, 8565), (270, 8568), (272, 8574), (274, 8586), (279, 8601), (285, 8613), (319, 8697), (326, 8730), (330, 8748), (343, 8793), (355, 8862), (357, 8874), (369, 8949), (374, 8973), (376, 8979), (383, 9006), (387, 9018), (391, 9024), (404, 9054), (405, 9057), (412, 9084), (425, 9150), (427, 9159), (448, 9234), (463, 9270), (496, 9315), (553, 9453), (555, 9456), (559, 9468), (583, 9555), (585, 9564), (589, 9573), (590, 9588), (597, 9618), (603, 9636), (608, 9651), (617, 9678), (622, 9690), (639, 9726),

Gene: Brandonk123_15 Start: 7162, Stop: 8784, Start Num: 7

Candidate Starts for Brandonk123_15:

(Start: 7 @7162 has 114 MA's), (71, 7321), (81, 7360), (100, 7423), (126, 7516), (133, 7543), (149, 7582), (204, 7702), (208, 7711), (227, 7771), (247, 7840), (251, 7861), (256, 7879), (259, 7894), (261, 7900), (273, 7963), (316, 8023), (320, 8035), (328, 8074), (331, 8086), (334, 8095), (343, 8140), (349, 8170), (356, 8215), (359, 8230), (360, 8233), (365, 8269), (374, 8317), (377, 8326), (384, 8353), (431, 8530), (453, 8587), (457, 8593), (464, 8608), (472, 8629), (474, 8635), (496, 8671), (505, 8698),

Gene: Brawn1_11 Start: 6845, Stop: 8467, Start Num: 7

Candidate Starts for Brawn1_11:

(Start: 7 @6845 has 114 MA's), (Start: 46 @6965 has 20 MA's), (71, 7004), (81, 7043), (100, 7106), (126, 7199), (133, 7226), (149, 7265), (208, 7394), (227, 7454), (247, 7523), (251, 7544), (256, 7562), (259, 7577), (261, 7583), (273, 7646), (316, 7706), (320, 7718), (328, 7757), (331, 7769), (334, 7778), (339, 7811), (343, 7823), (349, 7853), (356, 7898), (359, 7913), (360, 7916), (365, 7952), (374, 8000), (377, 8009), (384, 8036), (431, 8213), (453, 8270), (457, 8276), (464, 8291), (472, 8312), (474, 8318), (496, 8354), (505, 8381),

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

Candidate Starts for BrazzalePHS_19:

(Start: 12 @8475 has 40 MA's), (Start: 14 @8484 has 16 MA's), (66, 8598), (69, 8604), (101, 8709), (105, 8721), (128, 8820), (129, 8826), (133, 8838), (151, 8892), (157, 8910), (172, 8964), (180, 8994), (204, 9033), (211, 9051), (213, 9060), (225, 9096), (243, 9159), (256, 9222), (263, 9249), (320, 9396), (321, 9399), (329, 9438), (334, 9456), (351, 9528), (363, 9594), (364, 9603), (377, 9675), (386, 9708), (388, 9714), (398, 9744), (404, 9759), (433, 9897), (437, 9912), (447, 9933), (448, 9936),

Gene: Briakila_11 Start: 7103, Stop: 9007, Start Num: 30

Candidate Starts for Briakila_11:

(Start: 30 @7103 has 453 MA's), (39, 7130), (84, 7211), (102, 7274), (119, 7340), (128, 7373), (168, 7481), (198, 7571), (224, 7649), (243, 7706), (253, 7760), (269, 7841), (274, 7862), (285, 7889), (308, 7940), (310, 7949), (315, 7958), (355, 8135), (357, 8147), (369, 8222), (374, 8246), (380, 8267), (411, 8351), (440, 8489), (448, 8507), (459, 8534), (473, 8558), (555, 8723), (558, 8732), (585, 8837), (589, 8846), (594, 8873), (622, 8963), (623, 8966), (632, 8987), (639, 8999),

Gene: Brilliant_8 Start: 4440, Stop: 6359, Start Num: 30

Candidate Starts for Brilliant_8:

(Start: 30 @4440 has 453 MA's), (Start: 85 @4551 has 7 MA's), (Start: 93 @4566 has 1 MA's), (119, 4677), (165, 4809), (172, 4833), (173, 4839), (175, 4851), (180, 4863), (242, 5028), (267, 5154), (268, 5157), (269, 5169), (272, 5178), (274, 5190), (298, 5253), (302, 5262), (315, 5298), (321, 5316), (324, 5325), (334, 5373), (354, 5469), (355, 5475), (363, 5511), (369, 5559), (374, 5583), (429, 5778), (459, 5871), (569, 6123), (603, 6258), (617, 6300), (622, 6312),

Gene: BrownCNA_10 Start: 6999, Stop: 8888, Start Num: 30

Candidate Starts for BrownCNA_10:

(Start: 30 @6999 has 453 MA's), (Start: 36 @7014 has 5 MA's), (83, 7095), (91, 7110), (102, 7161), (105, 7170), (117, 7221), (157, 7326), (173, 7386), (213, 7482), (240, 7560), (241, 7563), (243, 7572), (251, 7617), (269, 7707), (270, 7710), (301, 7788), (305, 7800), (330, 7890), (334, 7902), (348, 7962), (355, 8004), (357, 8016), (374, 8115), (376, 8121), (383, 8148), (385, 8154), (388, 8163), (404, 8196), (543, 8568), (547, 8577), (548, 8580), (569, 8643), (584, 8703), (585, 8706), (589, 8715), (617, 8829), (626, 8853), (639, 8880),

Gene: Brownie5_12 Start: 7845, Stop: 9734, Start Num: 30

Candidate Starts for Brownie5_12:

(Start: 30 @7845 has 453 MA's), (54, 7893), (65, 7917), (Start: 78 @7935 has 11 MA's), (Start: 92 @7968 has 2 MA's), (117, 8076), (150, 8160), (168, 8223), (178, 8259), (199, 8310), (207, 8322), (213, 8343), (241, 8421), (243, 8430), (251, 8475), (269, 8565), (270, 8568), (272, 8574), (274, 8586), (279, 8601), (285, 8613), (319, 8697), (326, 8730), (330, 8748), (343, 8793), (355, 8862), (357, 8874), (369, 8949), (374, 8973), (376, 8979), (383, 9006), (387, 9018), (391, 9024), (404, 9054), (405, 9057), (412, 9084), (425, 9150), (427, 9159), (448, 9234), (463, 9270), (496, 9315), (553, 9453), (555, 9456), (559, 9468), (583, 9555), (585, 9564), (589, 9573), (590, 9588), (597, 9618), (603, 9636), (608, 9651), (617, 9678), (622, 9690), (639, 9726),

Gene: BruhMoment_18 Start: 8617, Stop: 10521, Start Num: 43

Candidate Starts for BruhMoment_18:

(Start: 43 @8617 has 1 MA's), (48, 8626), (115, 8815), (140, 8890), (165, 8938), (172, 8962), (208, 9040), (226, 9103), (269, 9283), (272, 9292), (274, 9304), (312, 9379), (317, 9391), (320, 9400), (328, 9439), (343, 9493), (356, 9568), (360, 9586), (411, 9787), (433, 9895), (478, 9991), (542, 10177), (559, 10219), (571, 10264), (609, 10402), (634, 10483),

Gene: Buckeye_8 Start: 4443, Stop: 6362, Start Num: 30

Candidate Starts for Buckeye_8:

(Start: 30 @4443 has 453 MA's), (Start: 36 @4458 has 5 MA's), (Start: 85 @4554 has 7 MA's), (Start: 93 @4569 has 1 MA's), (119, 4680), (165, 4812), (172, 4836), (173, 4842), (175, 4854), (180, 4866), (242, 5031), (267, 5157), (268, 5160), (269, 5172), (272, 5181), (274, 5193), (298, 5256), (302, 5265), (315, 5301), (321, 5319), (324, 5328), (334, 5376), (354, 5472), (355, 5478), (363, 5514), (369, 5562), (374, 5586), (429, 5781), (459, 5874), (569, 6126), (603, 6261), (617, 6303), (622, 6315),

Gene: Burr_8 Start: 4442, Stop: 6361, Start Num: 30

Candidate Starts for Burr_8:

(Start: 30 @4442 has 453 MA's), (Start: 36 @4457 has 5 MA's), (Start: 85 @4553 has 7 MA's), (Start: 93 @4568 has 1 MA's), (119, 4679), (165, 4811), (172, 4835), (173, 4841), (175, 4853), (180, 4865), (242, 5030), (267, 5156), (268, 5159), (269, 5171), (272, 5180), (274, 5192), (298, 5255), (302, 5264), (315, 5300), (321, 5318), (324, 5327), (334, 5375), (354, 5471), (355, 5477), (363, 5513), (369, 5561), (374, 5585), (429, 5780), (459, 5873), (569, 6125), (603, 6260), (617, 6302), (622, 6314),

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

Candidate Starts for Busephilis_20:

(Start: 12 @8414 has 40 MA's), (Start: 14 @8423 has 16 MA's), (66, 8537), (69, 8543), (101, 8648), (105, 8660), (128, 8759), (129, 8765), (133, 8777), (151, 8831), (157, 8849), (172, 8903), (180, 8933), (204, 8972), (211, 8990), (213, 8999), (225, 9035), (243, 9098), (256, 9161), (263, 9188), (320, 9335), (321, 9338), (329, 9377), (334, 9395), (351, 9467), (363, 9533), (364, 9542), (377, 9614), (386, 9647), (388, 9653), (398, 9683), (404, 9698), (433, 9836), (437, 9851), (447, 9872), (448, 9875),

Gene: CRB2_11 Start: 7447, Stop: 9324, Start Num: 30

Candidate Starts for CRB2_11:

(Start: 30 @7447 has 453 MA's), (Start: 92 @7561 has 2 MA's), (132, 7723), (147, 7747), (150, 7753), (165, 7804), (173, 7834), (175, 7846), (213, 7909), (225, 7945), (228, 7960), (259, 8077), (269, 8134), (274, 8155), (285, 8182), (291, 8203), (301, 8224), (305, 8236), (319, 8275), (322, 8284), (331, 8329), (334, 8338), (347, 8389), (355, 8440), (374, 8551), (383, 8584), (387, 8596), (412, 8662), (440, 8794), (448, 8812), (450, 8818), (541, 9016), (547, 9028), (557, 9046), (558, 9049), (584, 9148), (589, 9160), (605, 9229),

Gene: CaiB_10 Start: 6894, Stop: 8627, Start Num: 92

Candidate Starts for CaiB_10:

(Start: 30 @6780 has 453 MA's), (Start: 92 @6894 has 2 MA's), (101, 6936), (117, 6999), (137, 7065), (178, 7170), (235, 7293), (237, 7299), (241, 7308), (243, 7317), (270, 7455), (274, 7473), (321, 7614), (326, 7641), (330, 7659), (334, 7671), (347, 7722), (355, 7773), (369, 7860), (448, 8142), (476, 8202), (480, 8211), (557, 8352), (558, 8355), (579, 8427), (580, 8433), (585, 8454), (598, 8511), (602, 8523), (612, 8556), (617, 8568), (622, 8580), (626, 8592), (632, 8604), (633, 8607),

Gene: Calamitous_12 Start: 7728, Stop: 9617, Start Num: 30

Candidate Starts for Calamitous_12:

(Start: 30 @7728 has 453 MA's), (54, 7776), (65, 7800), (Start: 78 @7818 has 11 MA's), (Start: 92 @7851 has 2 MA's), (117, 7959), (150, 8043), (168, 8106), (178, 8142), (199, 8193), (207, 8205), (213, 8226), (241, 8304), (243, 8313), (251, 8358), (269, 8448), (270, 8451), (272, 8457), (274, 8469), (279, 8484), (285, 8496), (319, 8580), (326, 8613), (330, 8631), (343, 8676), (355, 8745), (357, 8757), (369, 8832), (374, 8856), (376, 8862), (383, 8889), (387, 8901), (391, 8907), (404, 8937), (405, 8940), (412, 8967), (425, 9033), (427, 9042), (448, 9117), (463, 9153), (496, 9198), (553, 9336), (555, 9339), (559, 9351), (583, 9438), (585, 9447), (589, 9456), (590, 9471), (597, 9501), (603, 9519), (608, 9534), (617, 9561), (622, 9573), (639, 9609),

Gene: CamL_8 Start: 4438, Stop: 6357, Start Num: 30

Candidate Starts for CamL_8:

(Start: 30 @4438 has 453 MA's), (Start: 36 @4453 has 5 MA's), (Start: 85 @4549 has 7 MA's), (Start: 93 @4564 has 1 MA's), (119, 4675), (165, 4807), (172, 4831), (173, 4837), (175, 4849), (180, 4861), (242, 5026), (267, 5152), (268, 5155), (269, 5167), (272, 5176), (274, 5188), (298, 5251), (302, 5260), (315, 5296), (321, 5314), (324, 5323), (334, 5371), (354, 5467), (355, 5473), (363, 5509), (369, 5557), (374, 5581), (429, 5776), (459, 5869), (569, 6121), (603, 6256), (617, 6298), (622, 6310),

Gene: CampRoach_8 Start: 4438, Stop: 6357, Start Num: 30

Candidate Starts for CampRoach_8:

(Start: 30 @4438 has 453 MA's), (Start: 36 @4453 has 5 MA's), (Start: 85 @4549 has 7 MA's), (Start: 93 @4564 has 1 MA's), (119, 4675), (165, 4807), (172, 4831), (173, 4837), (175, 4849), (180, 4861), (242, 5026), (267, 5152), (268, 5155), (269, 5167), (272, 5176), (274, 5188), (298, 5251), (302, 5260), (315, 5296), (321, 5314), (324, 5323), (334, 5371), (354, 5467), (355, 5473), (363, 5509), (369, 5557), (374, 5581), (429, 5776), (459, 5869), (569, 6121), (603, 6256), (617, 6298), (622, 6310),

Gene: CandC_20 Start: 7351, Stop: 9150, Start Num: 41

Candidate Starts for CandC_20:

(Start: 41 @7351 has 55 MA's), (91, 7450), (139, 7615), (165, 7666), (173, 7696), (207, 7762), (284, 8029), (299, 8074), (328, 8161), (330, 8170), (340, 8206), (348, 8242), (356, 8290), (357, 8296), (360, 8308), (365, 8344), (369, 8368), (411, 8503), (433, 8611), (438, 8632), (480, 8713), (491, 8722), (550, 8833), (557, 8851), (566, 8887), (589, 8953), (606, 9022), (613, 9055), (640, 9130),

Gene: Cannibal_8 Start: 4441, Stop: 6360, Start Num: 30

Candidate Starts for Cannibal_8:

(Start: 30 @4441 has 453 MA's), (Start: 36 @4456 has 5 MA's), (Start: 85 @4552 has 7 MA's), (Start: 93 @4567 has 1 MA's), (119, 4678), (165, 4810), (172, 4834), (173, 4840), (175, 4852), (180, 4864), (242, 5029), (267, 5155), (268, 5158), (269, 5170), (272, 5179), (274, 5191), (298, 5254), (302, 5263), (315, 5299), (321, 5317), (324, 5326), (334, 5374), (354, 5470), (355, 5476), (363, 5512), (369, 5560), (374, 5584), (429, 5779), (459, 5872), (569, 6124), (603, 6259), (617, 6301), (622, 6313),

Gene: Carthage_8 Start: 4442, Stop: 6361, Start Num: 30

Candidate Starts for Carthage_8:

(Start: 30 @4442 has 453 MA's), (Start: 36 @4457 has 5 MA's), (Start: 85 @4553 has 7 MA's), (Start: 93 @4568 has 1 MA's), (119, 4679), (165, 4811), (173, 4841), (175, 4853), (180, 4865), (242, 5030), (267, 5156), (268, 5159), (269, 5171), (272, 5180), (274, 5192), (298, 5255), (302, 5264), (315, 5300), (321, 5318), (324, 5327), (334, 5375), (354, 5471), (355, 5477), (363, 5513), (369, 5561), (374, 5585), (429, 5780), (459, 5873), (569, 6125), (603, 6260), (617, 6302), (622, 6314),

Gene: Casbah_10 Start: 6163, Stop: 8070, Start Num: 30

Candidate Starts for Casbah_10:

(Start: 30 @6163 has 453 MA's), (39, 6190), (84, 6271), (102, 6334), (119, 6400), (128, 6433), (168, 6541), (198, 6631), (224, 6709), (243, 6766), (253, 6820), (269, 6901), (274, 6922), (285, 6949), (308, 7000), (310, 7009), (315, 7018), (355, 7195), (357, 7207), (369, 7282), (374, 7306), (380, 7327), (411, 7411), (440, 7549), (448, 7567), (459, 7594), (473, 7618), (555, 7786), (558, 7795), (585, 7900), (589, 7909), (594, 7936), (622, 8026), (632, 8050), (639, 8062),

Gene: Casend_23 Start: 9100, Stop: 10926, Start Num: 41

Candidate Starts for Casend_23:

(Start: 41 @9100 has 55 MA's), (105, 9250), (144, 9385), (165, 9424), (191, 9502), (207, 9520), (256, 9670), (259, 9685), (269, 9742), (291, 9811), (312, 9859), (316, 9868), (349, 10003), (356, 10048), (357, 10054), (360, 10066), (369, 10126), (411, 10255), (412, 10261), (416, 10288), (440, 10387), (462, 10432), (557, 10627), (566, 10663), (573, 10681), (587, 10726),

Gene: Caspiboi_8 Start: 4441, Stop: 6360, Start Num: 30

Candidate Starts for Caspiboi_8:

(Start: 30 @4441 has 453 MA's), (Start: 36 @4456 has 5 MA's), (Start: 85 @4552 has 7 MA's), (Start: 93 @4567 has 1 MA's), (119, 4678), (165, 4810), (172, 4834), (173, 4840), (175, 4852), (180, 4864), (242, 5029), (267, 5155), (268, 5158), (269, 5170), (272, 5179), (274, 5191), (298, 5254), (302, 5263), (315, 5299), (321, 5317), (324, 5326), (334, 5374), (354, 5470), (355, 5476), (363, 5512), (369, 5560), (374, 5584), (429, 5779), (459, 5872), (569, 6124), (603, 6259), (617, 6301), (622, 6313),

Gene: Caterpie_6 Start: 3074, Stop: 5023, Start Num: 30

Candidate Starts for Caterpie_6:

(Start: 21 @3056 has 7 MA's), (Start: 30 @3074 has 453 MA's), (67, 3152), (Start: 78 @3182 has 11 MA's), (84, 3200), (117, 3323), (154, 3419), (157, 3428), (171, 3479), (208, 3578), (220, 3623), (241, 3683), (243, 3692), (251, 3737), (257, 3758), (268, 3815), (271, 3833), (298, 3911), (300, 3914), (306, 3935), (311, 3947), (315, 3956), (319, 3968), (330, 4019), (331, 4022), (340, 4055), (355, 4133), (357, 4145), (363, 4169), (373, 4241), (374, 4244), (377, 4253), (387, 4289), (404, 4325), (426, 4424), (431, 4454), (448, 4505), (554, 4739), (555, 4742), (575, 4805), (577, 4814), (585, 4850), (590, 4874), (612, 4952), (617, 4964), (639, 5015), (640, 5018),

Gene: Causa_16 Start: 9403, Stop: 11370, Start Num: 30

Candidate Starts for Causa_16:

(Start: 30 @9403 has 453 MA's), (Start: 78 @9496 has 11 MA's), (Start: 92 @9529 has 2 MA's), (101, 9571), (119, 9640), (169, 9790), (203, 9871), (208, 9883), (251, 10036), (272, 10135), (274, 10147), (308, 10240), (319, 10270), (326, 10303), (330, 10321), (331, 10324), (355, 10435), (361, 10462), (373, 10543), (374, 10546), (404, 10627), (464, 10846), (552, 11065), (554, 11077), (557, 11089), (559, 11095), (567, 11128), (579, 11164), (582, 11176), (585, 11191), (597, 11245), (606, 11272), (630, 11341), (633, 11350),

Gene: Cece_66 Start: 27502, Stop: 29211, Start Num: 34

Candidate Starts for Cece_66:

(Start: 34 @27502 has 9 MA's), (64, 27565), (71, 27574), (115, 27733), (184, 27946), (215, 28012), (241, 28117), (251, 28171), (269, 28258), (318, 28384), (320, 28390), (335, 28462), (349, 28513), (364, 28597), (373, 28657), (435, 28900), (440, 28915), (447, 28930), (454, 28951), (456, 28957), (495, 29038), (522, 29125),

Gene: Cepens_6 Start: 3346, Stop: 5202, Start Num: 30

Candidate Starts for Cepens_6:

(Start: 21 @3328 has 7 MA's), (Start: 30 @3346 has 453 MA's), (Start: 59 @3403 has 2 MA's), (109, 3541), (117, 3571), (135, 3625), (173, 3736), (220, 3865), (241, 3922), (243, 3931), (251, 3976), (256, 3994), (271, 4072), (272, 4075), (315, 4159), (323, 4183), (327, 4207), (355, 4336), (357, 4348), (363, 4372), (369, 4423), (383, 4480), (387, 4492), (432, 4666), (459, 4735), (579, 4987), (617, 5128), (622, 5140), (640, 5182),

Gene: ChaChing_11 Start: 6329, Stop: 8233, Start Num: 30

Candidate Starts for ChaChing_11:

(Start: 30 @6329 has 453 MA's), (39, 6356), (84, 6437), (102, 6500), (119, 6566), (128, 6599), (168, 6707), (198, 6797), (224, 6875), (243, 6932), (253, 6986), (269, 7067), (274, 7088), (285, 7115), (308, 7166), (310, 7175), (315, 7184), (355, 7361), (357, 7373), (369, 7448), (374, 7472), (380, 7493), (411, 7577), (440, 7715), (448, 7733), (459, 7760), (473, 7784), (555, 7949), (558, 7958), (585, 8063), (589, 8072), (594, 8099), (622, 8189), (632, 8213), (639, 8225),

Gene: ChadMasterC_12 Start: 6750, Stop: 8372, Start Num: 7

Candidate Starts for ChadMasterC_12:

(Start: 7 @6750 has 114 MA's), (71, 6909), (81, 6948), (100, 7011), (126, 7104), (133, 7131), (149, 7170), (208, 7299), (227, 7359), (247, 7428), (251, 7449), (256, 7467), (259, 7482), (261, 7488), (273, 7551), (316, 7611), (320, 7623), (328, 7662), (331, 7674), (334, 7683), (339, 7716), (343, 7728), (349, 7758), (356, 7803), (359, 7818), (360, 7821), (365, 7857), (374, 7905), (377, 7914), (384, 7941), (431, 8118), (453, 8175), (457, 8181), (464, 8196), (472, 8217), (474, 8223), (496, 8259), (505, 8286),

Gene: Chaelin_8 Start: 4439, Stop: 6358, Start Num: 30

Candidate Starts for Chaelin_8:

(Start: 30 @4439 has 453 MA's), (Start: 85 @4550 has 7 MA's), (Start: 93 @4565 has 1 MA's), (119, 4676), (165, 4808), (172, 4832), (173, 4838), (180, 4862), (224, 4976), (242, 5027), (267, 5153), (268,

5156), (269, 5168), (272, 5177), (274, 5189), (298, 5252), (302, 5261), (315, 5297), (321, 5315), (324, 5324), (334, 5372), (354, 5468), (355, 5474), (363, 5510), (369, 5558), (374, 5582), (429, 5777), (459, 5870), (569, 6122), (603, 6257), (617, 6299), (622, 6311),

Gene: Chah_8 Start: 4439, Stop: 6358, Start Num: 30

Candidate Starts for Chah_8:

(Start: 30 @4439 has 453 MA's), (Start: 36 @4454 has 5 MA's), (Start: 85 @4550 has 7 MA's), (Start: 93 @4565 has 1 MA's), (119, 4676), (165, 4808), (172, 4832), (173, 4838), (175, 4850), (180, 4862), (242, 5027), (267, 5153), (268, 5156), (269, 5168), (272, 5177), (274, 5189), (298, 5252), (302, 5261), (315, 5297), (321, 5315), (324, 5324), (334, 5372), (354, 5468), (355, 5474), (363, 5510), (369, 5558), (374, 5582), (429, 5777), (459, 5870), (569, 6122), (603, 6257), (617, 6299), (622, 6311),

Gene: Chalmers_11 Start: 7104, Stop: 9008, Start Num: 30

Candidate Starts for Chalmers_11:

(Start: 30 @7104 has 453 MA's), (39, 7131), (84, 7212), (102, 7275), (119, 7341), (128, 7374), (168, 7482), (198, 7572), (224, 7650), (243, 7707), (253, 7761), (269, 7842), (274, 7863), (285, 7890), (308, 7941), (310, 7950), (315, 7959), (355, 8136), (357, 8148), (369, 8223), (374, 8247), (380, 8268), (411, 8352), (440, 8490), (448, 8508), (459, 8535), (473, 8559), (555, 8724), (558, 8733), (585, 8838), (589, 8847), (594, 8874), (622, 8964), (632, 8988), (639, 9000),

Gene: Chandler_11 Start: 7077, Stop: 8981, Start Num: 30

Candidate Starts for Chandler_11:

(Start: 30 @7077 has 453 MA's), (39, 7104), (84, 7185), (102, 7248), (119, 7314), (128, 7347), (168, 7455), (198, 7545), (224, 7623), (243, 7680), (253, 7734), (269, 7815), (274, 7836), (285, 7863), (308, 7914), (310, 7923), (315, 7932), (355, 8109), (357, 8121), (369, 8196), (374, 8220), (380, 8241), (411, 8325), (440, 8463), (448, 8481), (459, 8508), (473, 8532), (555, 8697), (558, 8706), (585, 8811), (589, 8820), (594, 8847), (622, 8937), (632, 8961), (639, 8973),

Gene: Charles1_8 Start: 4441, Stop: 6360, Start Num: 30

Candidate Starts for Charles1_8:

(Start: 30 @4441 has 453 MA's), (Start: 36 @4456 has 5 MA's), (Start: 85 @4552 has 7 MA's), (Start: 93 @4567 has 1 MA's), (119, 4678), (165, 4810), (172, 4834), (173, 4840), (175, 4852), (180, 4864), (242, 5029), (267, 5155), (268, 5158), (269, 5170), (272, 5179), (274, 5191), (298, 5254), (302, 5263), (315, 5299), (321, 5317), (324, 5326), (334, 5374), (354, 5470), (355, 5476), (363, 5512), (369, 5560), (374, 5584), (429, 5779), (459, 5872), (569, 6124), (603, 6259), (617, 6301), (622, 6313),

Gene: CharlieGBrown_8 Start: 4438, Stop: 6357, Start Num: 30

Candidate Starts for CharlieGBrown_8:

(Start: 30 @4438 has 453 MA's), (Start: 85 @4549 has 7 MA's), (Start: 93 @4564 has 1 MA's), (119, 4675), (165, 4807), (172, 4831), (173, 4837), (180, 4861), (224, 4975), (242, 5026), (267, 5152), (268, 5155), (269, 5167), (272, 5176), (274, 5188), (298, 5251), (302, 5260), (315, 5296), (321, 5314), (324, 5323), (334, 5371), (354, 5467), (355, 5473), (363, 5509), (369, 5557), (374, 5581), (429, 5776), (459, 5869), (569, 6121), (584, 6181), (603, 6256), (617, 6298), (622, 6310),

Gene: CharlottesWeb_8 Start: 5310, Stop: 7151, Start Num: 30

Candidate Starts for CharlottesWeb_8:

(Start: 30 @5310 has 453 MA's), (Start: 55 @5358 has 4 MA's), (Start: 92 @5424 has 2 MA's), (101, 5466), (119, 5535), (168, 5661), (173, 5679), (215, 5760), (241, 5832), (251, 5886), (259, 5919), (269, 5976), (270, 5979), (274, 5997), (289, 6042), (297, 6063), (330, 6174), (334, 6186), (336, 6201), (347, 6237), (355, 6288), (357, 6300), (369, 6375), (374, 6399), (384, 6435), (387, 6444), (404, 6480), (410, 6501), (553, 6867), (557, 6876), (558, 6879), (579, 6951), (580, 6957), (585, 6978), (589, 6987), (606, 7059), (617, 7092), (622, 7104), (626, 7116), (632, 7128), (633, 7131),

Gene: Charming_10 Start: 6017, Stop: 7639, Start Num: 7

Candidate Starts for Charming_10:

(Start: 7 @6017 has 114 MA's), (71, 6176), (81, 6215), (100, 6278), (126, 6371), (133, 6398), (149, 6437), (204, 6557), (208, 6566), (227, 6626), (247, 6695), (251, 6716), (256, 6734), (259, 6749), (261, 6755), (273, 6818), (316, 6878), (320, 6890), (328, 6929), (331, 6941), (334, 6950), (343, 6995), (349, 7025), (356, 7070), (359, 7085), (360, 7088), (365, 7124), (374, 7172), (377, 7181), (384, 7208), (431, 7385), (453, 7442), (457, 7448), (464, 7463), (472, 7484), (474, 7490), (496, 7526), (505, 7553),

Gene: CheetO_8 Start: 4552, Stop: 6360, Start Num: 85

Candidate Starts for CheetO_8:

(Start: 30 @4441 has 453 MA's), (Start: 36 @4456 has 5 MA's), (Start: 85 @4552 has 7 MA's), (Start: 93 @4567 has 1 MA's), (119, 4678), (165, 4810), (172, 4834), (173, 4840), (175, 4852), (180, 4864), (242, 5029), (267, 5155), (268, 5158), (269, 5170), (272, 5179), (274, 5191), (298, 5254), (302, 5263), (315, 5299), (321, 5317), (324, 5326), (334, 5374), (354, 5470), (355, 5476), (363, 5512), (369, 5560), (374, 5584), (429, 5779), (459, 5872), (569, 6124), (603, 6259), (617, 6301), (622, 6313),

Gene: Chentzyk_10 Start: 6190, Stop: 8094, Start Num: 30

Candidate Starts for Chentzyk_10:

(Start: 30 @6190 has 453 MA's), (39, 6217), (84, 6298), (102, 6361), (119, 6427), (128, 6460), (168, 6568), (198, 6658), (224, 6736), (243, 6793), (253, 6847), (269, 6928), (274, 6949), (285, 6976), (308, 7027), (310, 7036), (315, 7045), (355, 7222), (357, 7234), (369, 7309), (374, 7333), (380, 7354), (411, 7438), (440, 7576), (448, 7594), (459, 7621), (473, 7645), (555, 7810), (558, 7819), (585, 7924), (589, 7933), (594, 7960), (622, 8050), (623, 8053), (632, 8074), (639, 8086),

Gene: Cher_8 Start: 4441, Stop: 6360, Start Num: 30

Candidate Starts for Cher_8:

(Start: 30 @4441 has 453 MA's), (Start: 36 @4456 has 5 MA's), (Start: 85 @4552 has 7 MA's), (Start: 93 @4567 has 1 MA's), (119, 4678), (165, 4810), (172, 4834), (173, 4840), (175, 4852), (180, 4864), (242, 5029), (267, 5155), (268, 5158), (269, 5170), (272, 5179), (274, 5191), (298, 5254), (302, 5263), (315, 5299), (321, 5317), (324, 5326), (334, 5374), (354, 5470), (355, 5476), (363, 5512), (369, 5560), (374, 5584), (429, 5779), (459, 5872), (569, 6124), (603, 6259), (617, 6301), (622, 6313),

Gene: CherryCola_13 Start: 5819, Stop: 7405, Start Num: 7

Candidate Starts for CherryCola_13:

(Start: 7 @5819 has 114 MA's), (42, 5933), (96, 6035), (108, 6101), (117, 6134), (150, 6221), (156, 6239), (159, 6254), (242, 6434), (253, 6494), (254, 6497), (265, 6536), (280, 6608), (320, 6668), (321, 6671), (322, 6674), (329, 6710), (331, 6719), (333, 6725), (334, 6728), (349, 6791), (356, 6836), (363, 6866), (369, 6914), (384, 6971), (391, 6992), (404, 7019), (405, 7022), (412, 7049), (420, 7100), (431, 7148),

Gene: Chickadee_13 Start: 5786, Stop: 7462, Start Num: 7

Candidate Starts for Chickadee_13:

(Start: 7 @5786 has 114 MA's), (10, 5819), (37, 5897), (60, 5951), (100, 6083), (106, 6113), (129, 6191), (136, 6209), (163, 6290), (204, 6362), (208, 6371), (227, 6431), (256, 6539), (258, 6551), (259, 6554), (261, 6560), (320, 6695), (321, 6698), (334, 6755), (349, 6830), (356, 6875), (360, 6893), (364, 6914), (369, 6953), (374, 6977), (380, 6998), (384, 7013), (405, 7064), (411, 7085), (431, 7190), (439, 7220), (452, 7244), (453, 7247), (484, 7325),

Gene: Childish_8 Start: 4441, Stop: 6360, Start Num: 30

Candidate Starts for Childish_8:

(Start: 30 @4441 has 453 MA's), (Start: 36 @4456 has 5 MA's), (Start: 85 @4552 has 7 MA's), (Start: 93 @4567 has 1 MA's), (119, 4678), (165, 4810), (172, 4834), (173, 4840), (175, 4852), (180, 4864), (242, 5029), (267, 5155), (268, 5158), (269, 5170), (272, 5179), (274, 5191), (298, 5254), (302, 5263),

(315, 5299), (321, 5317), (324, 5326), (334, 5374), (354, 5470), (355, 5476), (363, 5512), (369, 5560), (374, 5584), (429, 5779), (459, 5872), (569, 6124), (603, 6259), (617, 6301), (622, 6313),

Gene: Chilliams_73 Start: 34081, Stop: 35706, Start Num: 26

Candidate Starts for Chilliams_73:

(Start: 26 @34081 has 9 MA's), (71, 34162), (79, 34189), (113, 34306), (116, 34318), (138, 34387), (211, 34579), (221, 34621), (253, 34747), (267, 34813), (301, 34888), (321, 34948), (352, 35089), (363, 35143), (364, 35152), (373, 35212), (437, 35464), (451, 35497), (466, 35536), (480, 35569), (500, 35596), (540, 35695),

Gene: Chipette_9 Start: 4676, Stop: 6595, Start Num: 30

Candidate Starts for Chipette_9:

(Start: 30 @4676 has 453 MA's), (Start: 36 @4691 has 5 MA's), (Start: 85 @4787 has 7 MA's), (Start: 93 @4802 has 1 MA's), (119, 4913), (165, 5045), (172, 5069), (173, 5075), (175, 5087), (180, 5099), (242, 5264), (267, 5390), (268, 5393), (269, 5405), (272, 5414), (274, 5426), (298, 5489), (302, 5498), (315, 5534), (321, 5552), (324, 5561), (334, 5609), (354, 5705), (355, 5711), (363, 5747), (369, 5795), (374, 5819), (429, 6014), (459, 6107), (569, 6359), (603, 6494), (617, 6536), (622, 6548),

Gene: Chorkpop_8 Start: 4441, Stop: 6360, Start Num: 30

Candidate Starts for Chorkpop_8:

(Start: 30 @4441 has 453 MA's), (Start: 36 @4456 has 5 MA's), (Start: 85 @4552 has 7 MA's), (Start: 93 @4567 has 1 MA's), (119, 4678), (165, 4810), (172, 4834), (173, 4840), (175, 4852), (180, 4864), (242, 5029), (267, 5155), (268, 5158), (269, 5170), (272, 5179), (274, 5191), (298, 5254), (302, 5263), (315, 5299), (321, 5317), (324, 5326), (334, 5374), (354, 5470), (355, 5476), (363, 5512), (369, 5560), (374, 5584), (429, 5779), (459, 5872), (569, 6124), (603, 6259), (617, 6301), (622, 6313),

Gene: ChrisnMich_8 Start: 5643, Stop: 7532, Start Num: 30

Candidate Starts for ChrisnMich_8:

(Start: 30 @5643 has 453 MA's), (83, 5739), (91, 5754), (102, 5805), (105, 5814), (117, 5865), (120, 5874), (157, 5970), (173, 6030), (213, 6126), (241, 6207), (251, 6261), (269, 6351), (270, 6354), (301, 6432), (305, 6444), (334, 6546), (348, 6606), (355, 6648), (357, 6660), (369, 6735), (370, 6741), (374, 6759), (376, 6765), (383, 6792), (385, 6798), (404, 6840), (412, 6870), (543, 7212), (547, 7221), (548, 7224), (568, 7281), (569, 7287), (584, 7347), (585, 7350), (589, 7359), (617, 7473), (635, 7518), (639, 7524),

Gene: Chuni_8 Start: 4439, Stop: 6358, Start Num: 30

Candidate Starts for Chuni_8:

(Start: 30 @4439 has 453 MA's), (Start: 85 @4550 has 7 MA's), (Start: 93 @4565 has 1 MA's), (119, 4676), (165, 4808), (172, 4832), (173, 4838), (175, 4850), (180, 4862), (242, 5027), (267, 5153), (268, 5156), (269, 5168), (272, 5177), (274, 5189), (298, 5252), (302, 5261), (315, 5297), (321, 5315), (324, 5324), (334, 5372), (354, 5468), (355, 5474), (363, 5510), (369, 5558), (374, 5582), (429, 5777), (459, 5870), (569, 6122), (603, 6257), (617, 6299), (622, 6311),

Gene: Chunky_8 Start: 4441, Stop: 6360, Start Num: 30

Candidate Starts for Chunky_8:

(Start: 30 @4441 has 453 MA's), (Start: 85 @4552 has 7 MA's), (Start: 93 @4567 has 1 MA's), (119, 4678), (165, 4810), (172, 4834), (173, 4840), (175, 4852), (180, 4864), (242, 5029), (267, 5155), (268, 5158), (269, 5170), (272, 5179), (274, 5191), (298, 5254), (302, 5263), (315, 5299), (321, 5317), (324, 5326), (334, 5374), (354, 5470), (355, 5476), (363, 5512), (369, 5560), (374, 5584), (429, 5779), (459, 5872), (569, 6124), (603, 6259), (617, 6301), (622, 6313),

Gene: Chute_8 Start: 4438, Stop: 6357, Start Num: 30

Candidate Starts for Chute_8:

(Start: 30 @4438 has 453 MA's), (Start: 85 @4549 has 7 MA's), (Start: 93 @4564 has 1 MA's), (119, 4675), (165, 4807), (172, 4831), (173, 4837), (175, 4849), (180, 4861), (242, 5026), (267, 5152), (268, 5155), (269, 5167), (272, 5176), (274, 5188), (298, 5251), (302, 5260), (315, 5296), (321, 5314), (324, 5323), (334, 5371), (354, 5467), (355, 5473), (363, 5509), (369, 5557), (374, 5581), (429, 5776), (459, 5869), (569, 6121), (603, 6256), (617, 6298), (622, 6310),

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

Candidate Starts for Cinna_12:

(Start: 12 @5847 has 40 MA's), (Start: 14 @5856 has 16 MA's), (49, 5940), (69, 5976), (Start: 78 @6009 has 11 MA's), (101, 6087), (105, 6099), (106, 6108), (109, 6120), (111, 6126), (128, 6198), (129, 6204), (159, 6300), (172, 6342), (179, 6372), (189, 6402), (204, 6438), (208, 6447), (211, 6456), (213, 6465), (239, 6546), (241, 6552), (243, 6561), (256, 6624), (263, 6651), (269, 6696), (303, 6747), (320, 6798), (329, 6840), (334, 6858), (338, 6873), (351, 6930), (364, 7005), (367, 7029), (387, 7113), (388, 7116), (404, 7161), (412, 7191), (419, 7239), (438, 7320), (447, 7338), (448, 7341), (471, 7410), (480, 7434), (527, 7569), (536, 7593),

Gene: ClamChowder_12 Start: 5583, Stop: 7169, Start Num: 7

Candidate Starts for ClamChowder_12:

(Start: 7 @5583 has 114 MA's), (101, 5835), (108, 5865), (149, 5982), (156, 6003), (159, 6018), (240, 6192), (249, 6234), (253, 6258), (254, 6261), (265, 6300), (280, 6372), (320, 6432), (321, 6435), (322, 6438), (329, 6474), (331, 6483), (333, 6489), (334, 6492), (349, 6555), (356, 6600), (363, 6630), (369, 6678), (384, 6735), (391, 6756), (404, 6783), (405, 6786), (412, 6813), (420, 6864), (431, 6912),

Gene: Clawz_41 Start: 18090, Stop: 20060, Start Num: 25

Candidate Starts for Clawz_41:

(Start: 25 @18090 has 8 MA's), (44, 18135), (72, 18186), (116, 18330), (144, 18402), (173, 18489), (213, 18564), (224, 18600), (243, 18657), (258, 18732), (274, 18813), (293, 18885), (294, 18888), (302, 18918), (313, 18951), (332, 19026), (340, 19056), (349, 19095), (357, 19146), (364, 19179), (377, 19251), (403, 19323), (404, 19326), (412, 19356), (428, 19434), (432, 19464), (449, 19509), (503, 19602), (527, 19710), (534, 19725), (551, 19767), (575, 19845), (588, 19896), (591, 19914), (634, 20052),

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

Candidate Starts for ClearAsMud_22:

(Start: 12 @9173 has 40 MA's), (Start: 14 @9182 has 16 MA's), (69, 9302), (101, 9407), (105, 9419), (128, 9518), (129, 9524), (132, 9533), (151, 9590), (157, 9608), (172, 9662), (178, 9686), (179, 9689), (193, 9713), (204, 9731), (211, 9749), (213, 9758), (225, 9794), (243, 9857), (256, 9920), (263, 9947), (269, 9992), (320, 10094), (321, 10097), (329, 10136), (334, 10154), (351, 10226), (363, 10292), (364, 10301), (369, 10340), (386, 10406), (388, 10412), (398, 10442), (433, 10595), (438, 10613), (448, 10634), (455, 10655), (456, 10658), (463, 10679), (524, 10832),

Gene: CloverMinnie_10 Start: 6780, Stop: 8627, Start Num: 30

Candidate Starts for CloverMinnie_10:

(Start: 30 @6780 has 453 MA's), (Start: 92 @6894 has 2 MA's), (101, 6936), (117, 6999), (178, 7170), (235, 7293), (237, 7299), (241, 7308), (243, 7317), (270, 7455), (274, 7473), (321, 7614), (326, 7641), (330, 7659), (334, 7671), (347, 7722), (355, 7773), (369, 7860), (387, 7929), (448, 8142), (476, 8202), (480, 8211), (557, 8352), (558, 8355), (579, 8427), (580, 8433), (585, 8454), (598, 8511), (612, 8556), (617, 8568), (622, 8580), (626, 8592), (632, 8604), (633, 8607),

Gene: Clown_16 Start: 8860, Stop: 10452, Start Num: 7

Candidate Starts for Clown_16:

(Start: 7 @8860 has 114 MA's), (108, 9139), (144, 9247), (146, 9253), (149, 9256), (156, 9277), (159, 9292), (261, 9565), (265, 9577), (267, 9601), (278, 9646), (280, 9649), (320, 9706), (328, 9745), (329,

9748), (331, 9757), (333, 9763), (349, 9829), (356, 9874), (363, 9904), (369, 9952), (384, 10009), (391, 10030), (396, 10036), (404, 10057), (405, 10060), (411, 10081), (412, 10087), (458, 10264),

Gene: Cobra_8 Start: 4438, Stop: 6357, Start Num: 30

Candidate Starts for Cobra_8:

(Start: 30 @4438 has 453 MA's), (Start: 36 @4453 has 5 MA's), (Start: 85 @4549 has 7 MA's), (Start: 93 @4564 has 1 MA's), (119, 4675), (165, 4807), (172, 4831), (173, 4837), (175, 4849), (180, 4861), (242, 5026), (267, 5152), (268, 5155), (269, 5167), (272, 5176), (274, 5188), (298, 5251), (302, 5260), (315, 5296), (321, 5314), (324, 5323), (334, 5371), (354, 5467), (355, 5473), (363, 5509), (369, 5557), (374, 5581), (429, 5776), (459, 5869), (569, 6121), (603, 6256), (617, 6298), (622, 6310),

Gene: Coco2012_8 Start: 5358, Stop: 7151, Start Num: 55

Candidate Starts for Coco2012_8:

(Start: 30 @5310 has 453 MA's), (Start: 55 @5358 has 4 MA's), (Start: 92 @5424 has 2 MA's), (101, 5466), (119, 5535), (168, 5661), (173, 5679), (215, 5760), (241, 5832), (251, 5886), (259, 5919), (269, 5976), (270, 5979), (274, 5997), (289, 6042), (297, 6063), (330, 6174), (334, 6186), (336, 6201), (347, 6237), (355, 6288), (357, 6300), (369, 6375), (374, 6399), (384, 6435), (387, 6444), (404, 6480), (410, 6501), (553, 6867), (557, 6876), (558, 6879), (579, 6951), (580, 6957), (585, 6978), (589, 6987), (606, 7059), (617, 7092), (622, 7104), (626, 7116), (632, 7128), (633, 7131),

Gene: Coffee_12 Start: 7845, Stop: 9734, Start Num: 30

Candidate Starts for Coffee_12:

(Start: 30 @7845 has 453 MA's), (54, 7893), (65, 7917), (Start: 78 @7935 has 11 MA's), (Start: 92 @7968 has 2 MA's), (117, 8076), (150, 8160), (168, 8223), (178, 8259), (199, 8310), (207, 8322), (213, 8343), (241, 8421), (243, 8430), (251, 8475), (269, 8565), (270, 8568), (272, 8574), (274, 8586), (279, 8601), (285, 8613), (319, 8697), (326, 8730), (330, 8748), (343, 8793), (355, 8862), (357, 8874), (369, 8949), (374, 8973), (376, 8979), (383, 9006), (387, 9018), (391, 9024), (404, 9054), (405, 9057), (412, 9084), (425, 9150), (427, 9159), (448, 9234), (463, 9270), (496, 9315), (553, 9453), (555, 9456), (559, 9468), (583, 9555), (585, 9564), (589, 9573), (590, 9588), (597, 9618), (603, 9636), (608, 9651), (617, 9678), (622, 9690), (639, 9726),

Gene: Colbert_8 Start: 4438, Stop: 6357, Start Num: 30

Candidate Starts for Colbert_8:

(Start: 30 @4438 has 453 MA's), (Start: 36 @4453 has 5 MA's), (Start: 85 @4549 has 7 MA's), (Start: 93 @4564 has 1 MA's), (119, 4675), (165, 4807), (172, 4831), (173, 4837), (175, 4849), (180, 4861), (242, 5026), (267, 5152), (268, 5155), (269, 5167), (272, 5176), (274, 5188), (298, 5251), (302, 5260), (315, 5296), (321, 5314), (324, 5323), (334, 5371), (354, 5467), (355, 5473), (363, 5509), (369, 5557), (374, 5581), (429, 5776), (459, 5869), (569, 6121), (603, 6256), (617, 6298), (622, 6310),

Gene: ColdSoup_42 Start: 18192, Stop: 20150, Start Num: 25

Candidate Starts for ColdSoup_42:

(Start: 25 @18192 has 8 MA's), (44, 18237), (72, 18288), (80, 18315), (145, 18504), (213, 18663), (243, 18756), (258, 18831), (272, 18900), (274, 18912), (275, 18918), (302, 19020), (313, 19053), (331, 19125), (332, 19128), (340, 19158), (349, 19197), (357, 19248), (364, 19281), (403, 19425), (404, 19428), (412, 19458), (432, 19566), (446, 19602), (449, 19611), (511, 19746), (551, 19860), (578, 19950), (621, 20103), (634, 20142),

Gene: Coldpizza_10 Start: 7235, Stop: 9073, Start Num: 30

Candidate Starts for Coldpizza_10:

(Start: 30 @7235 has 453 MA's), (Start: 92 @7349 has 2 MA's), (101, 7391), (119, 7460), (173, 7604), (174, 7607), (180, 7628), (183, 7631), (215, 7694), (269, 7910), (272, 7919), (274, 7931), (298, 7985), (303, 7997), (319, 8042), (330, 8093), (334, 8105), (336, 8120), (355, 8207), (376, 8324), (387, 8363), (555, 8789), (558, 8798), (585, 8897), (589, 8906), (632, 9047), (637, 9059),

Gene: Coletti_8 Start: 4438, Stop: 6357, Start Num: 30

Candidate Starts for Coletti_8:

(Start: 30 @4438 has 453 MA's), (Start: 85 @4549 has 7 MA's), (Start: 93 @4564 has 1 MA's), (119, 4675), (165, 4807), (172, 4831), (173, 4837), (175, 4849), (180, 4861), (242, 5026), (267, 5152), (268, 5155), (269, 5167), (272, 5176), (274, 5188), (298, 5251), (302, 5260), (315, 5296), (321, 5314), (324, 5323), (334, 5371), (354, 5467), (355, 5473), (363, 5509), (369, 5557), (374, 5581), (429, 5776), (459, 5869), (569, 6121), (603, 6256), (617, 6298), (622, 6310),

Gene: Compostia_11 Start: 6322, Stop: 8226, Start Num: 30

Candidate Starts for Compostia_11:

(Start: 30 @6322 has 453 MA's), (39, 6349), (84, 6430), (102, 6493), (119, 6559), (128, 6592), (168, 6700), (198, 6790), (224, 6868), (243, 6925), (253, 6979), (269, 7060), (274, 7081), (285, 7108), (308, 7159), (310, 7168), (315, 7177), (355, 7354), (357, 7366), (369, 7441), (374, 7465), (380, 7486), (411, 7570), (440, 7708), (448, 7726), (459, 7753), (473, 7777), (555, 7942), (558, 7951), (585, 8056), (589, 8065), (594, 8092), (622, 8182), (632, 8206), (639, 8218),

Gene: Cooper_9 Start: 5704, Stop: 7593, Start Num: 30

Candidate Starts for Cooper_9:

(Start: 30 @5704 has 453 MA's), (Start: 78 @5785 has 11 MA's), (91, 5815), (102, 5866), (105, 5875), (157, 6031), (173, 6091), (196, 6151), (240, 6265), (241, 6268), (251, 6322), (269, 6412), (270, 6415), (285, 6460), (298, 6487), (305, 6505), (334, 6607), (336, 6622), (348, 6667), (355, 6709), (357, 6721), (369, 6796), (374, 6820), (376, 6826), (383, 6853), (385, 6859), (404, 6901), (449, 7084), (459, 7108), (547, 7282), (548, 7285), (560, 7309), (568, 7342), (584, 7408), (585, 7411), (589, 7420), (608, 7498), (629, 7564), (639, 7585),

Gene: Cornbread_8 Start: 4441, Stop: 6360, Start Num: 30

Candidate Starts for Cornbread_8:

(Start: 30 @4441 has 453 MA's), (Start: 36 @4456 has 5 MA's), (Start: 85 @4552 has 7 MA's), (Start: 93 @4567 has 1 MA's), (119, 4678), (165, 4810), (172, 4834), (173, 4840), (175, 4852), (180, 4864), (242, 5029), (267, 5155), (268, 5158), (269, 5170), (272, 5179), (274, 5191), (298, 5254), (302, 5263), (315, 5299), (321, 5317), (324, 5326), (334, 5374), (354, 5470), (355, 5476), (363, 5512), (369, 5560), (374, 5584), (429, 5779), (459, 5872), (569, 6124), (603, 6259), (617, 6301), (622, 6313),

Gene: Cornobble_8 Start: 4439, Stop: 6358, Start Num: 30

Candidate Starts for Cornobble_8:

(Start: 30 @4439 has 453 MA's), (Start: 36 @4454 has 5 MA's), (Start: 85 @4550 has 7 MA's), (Start: 93 @4565 has 1 MA's), (119, 4676), (165, 4808), (172, 4832), (173, 4838), (175, 4850), (180, 4862), (242, 5027), (267, 5153), (268, 5156), (269, 5168), (272, 5177), (274, 5189), (298, 5252), (302, 5261), (315, 5297), (321, 5315), (324, 5324), (334, 5372), (354, 5468), (355, 5474), (363, 5510), (369, 5558), (374, 5582), (429, 5777), (459, 5870), (569, 6122), (603, 6257), (617, 6299), (622, 6311),

Gene: Corofin_11 Start: 6339, Stop: 8243, Start Num: 30

Candidate Starts for Corofin_11:

(Start: 30 @6339 has 453 MA's), (39, 6366), (84, 6447), (102, 6510), (119, 6576), (128, 6609), (168, 6717), (198, 6807), (224, 6885), (243, 6942), (253, 6996), (269, 7077), (274, 7098), (285, 7125), (308, 7176), (310, 7185), (315, 7194), (355, 7371), (357, 7383), (369, 7458), (374, 7482), (380, 7503), (411, 7587), (440, 7725), (448, 7743), (459, 7770), (473, 7794), (555, 7959), (558, 7968), (585, 8073), (589, 8082), (594, 8109), (622, 8199), (632, 8223), (639, 8235),

Gene: Cosmolli16_8 Start: 4439, Stop: 6358, Start Num: 30

Candidate Starts for Cosmolli16_8:

(Start: 30 @4439 has 453 MA's), (Start: 36 @4454 has 5 MA's), (Start: 85 @4550 has 7 MA's), (Start: 93 @4565 has 1 MA's), (119, 4676), (165, 4808), (172, 4832), (173, 4838), (175, 4850), (180, 4862), (242, 5027), (267, 5153), (268, 5156), (269, 5168), (272, 5177), (274, 5189), (298, 5252), (302, 5261), (315, 5297), (321, 5315), (324, 5324), (334, 5372), (354, 5468), (355, 5474), (363, 5510), (369, 5558), (374, 5582), (429, 5777), (459, 5870), (569, 6122), (603, 6257), (617, 6299), (622, 6311),

Gene: CoveyB_12 Start: 5455, Stop: 7041, Start Num: 7

Candidate Starts for CoveyB_12:

(Start: 7 @5455 has 114 MA's), (101, 5707), (108, 5737), (149, 5854), (156, 5875), (159, 5890), (240, 6064), (249, 6106), (253, 6130), (254, 6133), (265, 6172), (280, 6244), (320, 6304), (321, 6307), (322, 6310), (329, 6346), (331, 6355), (333, 6361), (334, 6364), (349, 6427), (356, 6472), (363, 6502), (369, 6550), (384, 6607), (391, 6628), (404, 6655), (405, 6658), (412, 6685), (420, 6736), (431, 6784),

Gene: Craff_8 Start: 4441, Stop: 6360, Start Num: 30

Candidate Starts for Craff_8:

(Start: 30 @4441 has 453 MA's), (Start: 36 @4456 has 5 MA's), (Start: 85 @4552 has 7 MA's), (Start: 93 @4567 has 1 MA's), (119, 4678), (165, 4810), (172, 4834), (173, 4840), (175, 4852), (180, 4864), (242, 5029), (267, 5155), (268, 5158), (269, 5170), (272, 5179), (274, 5191), (298, 5254), (302, 5263), (315, 5299), (321, 5317), (324, 5326), (334, 5374), (354, 5470), (355, 5476), (363, 5512), (369, 5560), (374, 5584), (429, 5779), (459, 5872), (569, 6124), (603, 6259), (617, 6301), (622, 6313),

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

Candidate Starts for Cranjis_21:

(Start: 12 @8638 has 40 MA's), (Start: 14 @8647 has 16 MA's), (20, 8662), (66, 8761), (69, 8767), (101, 8872), (105, 8884), (128, 8983), (129, 8989), (133, 9001), (151, 9055), (157, 9073), (172, 9127), (180, 9157), (204, 9196), (211, 9214), (213, 9223), (225, 9259), (243, 9322), (256, 9385), (263, 9412), (320, 9559), (321, 9562), (329, 9601), (334, 9619), (351, 9691), (363, 9757), (364, 9766), (369, 9805), (377, 9838), (386, 9871), (388, 9877), (398, 9907), (404, 9922), (433, 10060), (437, 10075), (447, 10096), (448, 10099),

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

Candidate Starts for CrazyRich_19:

(Start: 12 @8448 has 40 MA's), (Start: 14 @8457 has 16 MA's), (66, 8571), (69, 8577), (101, 8682), (105, 8694), (128, 8793), (129, 8799), (133, 8811), (151, 8865), (157, 8883), (172, 8937), (180, 8967), (204, 9006), (211, 9024), (213, 9033), (225, 9069), (243, 9132), (256, 9195), (263, 9222), (320, 9369), (321, 9372), (329, 9411), (334, 9429), (351, 9501), (363, 9567), (364, 9576), (377, 9648), (386, 9681), (388, 9687), (398, 9717), (404, 9732), (433, 9870), (437, 9885), (447, 9906), (448, 9909),

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

Candidate Starts for Cressida_13:

(Start: 12 @6067 has 40 MA's), (Start: 14 @6076 has 16 MA's), (49, 6160), (Start: 78 @6232 has 11 MA's), (101, 6310), (105, 6322), (106, 6331), (109, 6343), (111, 6349), (128, 6421), (129, 6427), (159, 6523), (172, 6565), (189, 6625), (190, 6628), (204, 6661), (208, 6670), (211, 6679), (213, 6688), (239, 6769), (241, 6775), (243, 6784), (256, 6847), (263, 6874), (269, 6919), (320, 7021), (328, 7060), (334, 7081), (338, 7096), (351, 7153), (364, 7228), (367, 7252), (387, 7336), (388, 7339), (391, 7348), (404, 7384), (412, 7414), (413, 7420), (419, 7462), (438, 7543), (447, 7561), (448, 7564), (470, 7630), (471, 7633),

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

Candidate Starts for Crisis_21:

(Start: 12 @8432 has 40 MA's), (Start: 14 @8441 has 16 MA's), (20, 8456), (66, 8555), (69, 8561), (101, 8666), (105, 8678), (128, 8777), (129, 8783), (133, 8795), (151, 8849), (157, 8867), (172, 8921), (180, 8951), (204, 8990), (211, 9008), (213, 9017), (225, 9053), (243, 9116), (256, 9179), (263, 9206),

(320, 9353), (321, 9356), (329, 9395), (334, 9413), (351, 9485), (363, 9551), (364, 9560), (377, 9632), (386, 9665), (388, 9671), (398, 9701), (404, 9716), (433, 9854), (437, 9869), (447, 9890), (448, 9893),

Gene: Crownjwl_9 Start: 4676, Stop: 6595, Start Num: 30

Candidate Starts for Crownjwl_9:

(Start: 30 @4676 has 453 MA's), (Start: 85 @4787 has 7 MA's), (Start: 93 @4802 has 1 MA's), (119, 4913), (165, 5045), (172, 5069), (173, 5075), (175, 5087), (180, 5099), (242, 5264), (267, 5390), (268, 5393), (269, 5405), (272, 5414), (274, 5426), (298, 5489), (302, 5498), (315, 5534), (321, 5552), (324, 5561), (334, 5609), (354, 5705), (355, 5711), (363, 5747), (369, 5795), (374, 5819), (429, 6014), (459, 6107), (569, 6359), (603, 6494), (617, 6536), (622, 6548),

Gene: D12_06 Start: 3403, Stop: 5202, Start Num: 59

Candidate Starts for D12_06:

(Start: 21 @3328 has 7 MA's), (Start: 30 @3346 has 453 MA's), (Start: 59 @3403 has 2 MA's), (109, 3541), (117, 3571), (135, 3625), (173, 3736), (220, 3865), (241, 3922), (243, 3931), (251, 3976), (256, 3994), (271, 4072), (272, 4075), (315, 4159), (323, 4183), (327, 4207), (355, 4336), (357, 4348), (363, 4372), (369, 4423), (383, 4480), (387, 4492), (432, 4666), (459, 4735), (579, 4987), (617, 5128), (622, 5140), (640, 5182),

Gene: DaddyDaniels_8 Start: 4440, Stop: 6359, Start Num: 30

Candidate Starts for DaddyDaniels_8:

(Start: 30 @4440 has 453 MA's), (Start: 85 @4551 has 7 MA's), (Start: 93 @4566 has 1 MA's), (119, 4677), (165, 4809), (172, 4833), (173, 4839), (175, 4851), (180, 4863), (242, 5028), (267, 5154), (268, 5157), (269, 5169), (272, 5178), (274, 5190), (298, 5253), (302, 5262), (315, 5298), (321, 5316), (324, 5325), (334, 5373), (354, 5469), (355, 5475), (363, 5511), (369, 5559), (374, 5583), (429, 5778), (459, 5871), (569, 6123), (603, 6258), (617, 6300), (622, 6312),

Gene: Daffy_8 Start: 4441, Stop: 6360, Start Num: 30

Candidate Starts for Daffy_8:

(Start: 30 @4441 has 453 MA's), (Start: 85 @4552 has 7 MA's), (Start: 93 @4567 has 1 MA's), (119, 4678), (165, 4810), (172, 4834), (173, 4840), (175, 4852), (180, 4864), (242, 5029), (267, 5155), (268, 5158), (269, 5170), (272, 5179), (274, 5191), (298, 5254), (302, 5263), (315, 5299), (321, 5317), (324, 5326), (334, 5374), (354, 5470), (355, 5476), (363, 5512), (369, 5560), (374, 5584), (429, 5779), (459, 5872), (569, 6124), (603, 6259), (617, 6301), (622, 6313),

Gene: Daisy_11 Start: 6317, Stop: 8221, Start Num: 30

Candidate Starts for Daisy_11:

(Start: 30 @6317 has 453 MA's), (39, 6344), (84, 6425), (102, 6488), (119, 6554), (128, 6587), (168, 6695), (198, 6785), (224, 6863), (243, 6920), (253, 6974), (269, 7055), (274, 7076), (285, 7103), (308, 7154), (310, 7163), (315, 7172), (355, 7349), (357, 7361), (369, 7436), (374, 7460), (380, 7481), (411, 7565), (440, 7703), (448, 7721), (459, 7748), (473, 7772), (555, 7937), (558, 7946), (585, 8051), (589, 8060), (594, 8087), (622, 8177), (632, 8201), (639, 8213),

Gene: Daka_8 Start: 4444, Stop: 6363, Start Num: 30

Candidate Starts for Daka_8:

(Start: 30 @4444 has 453 MA's), (Start: 36 @4459 has 5 MA's), (Start: 85 @4555 has 7 MA's), (Start: 93 @4570 has 1 MA's), (119, 4681), (165, 4813), (172, 4837), (173, 4843), (175, 4855), (180, 4867), (242, 5032), (267, 5158), (268, 5161), (269, 5173), (272, 5182), (274, 5194), (298, 5257), (302, 5266), (315, 5302), (321, 5320), (324, 5329), (334, 5377), (354, 5473), (355, 5479), (363, 5515), (369, 5563), (374, 5587), (429, 5782), (459, 5875), (569, 6127), (603, 6262), (617, 6304), (622, 6316),

Gene: Danyall_12 Start: 5455, Stop: 7041, Start Num: 7

Candidate Starts for Danyall_12:

(Start: 7 @5455 has 114 MA's), (101, 5707), (108, 5737), (149, 5854), (156, 5875), (159, 5890), (240, 6064), (249, 6106), (253, 6130), (254, 6133), (265, 6172), (280, 6244), (320, 6304), (321, 6307), (322, 6310), (329, 6346), (331, 6355), (333, 6361), (334, 6364), (349, 6427), (356, 6472), (363, 6502), (369, 6550), (384, 6607), (391, 6628), (404, 6655), (405, 6658), (412, 6685), (420, 6736), (431, 6784),

Gene: Dati_8 Start: 4438, Stop: 6357, Start Num: 30

Candidate Starts for Dati_8:

(Start: 30 @4438 has 453 MA's), (Start: 36 @4453 has 5 MA's), (Start: 85 @4549 has 7 MA's), (Start: 93 @4564 has 1 MA's), (119, 4675), (165, 4807), (172, 4831), (173, 4837), (175, 4849), (180, 4861), (242, 5026), (267, 5152), (268, 5155), (269, 5167), (272, 5176), (274, 5188), (298, 5251), (302, 5260), (315, 5296), (321, 5314), (324, 5323), (334, 5371), (354, 5467), (355, 5473), (363, 5509), (369, 5557), (374, 5581), (429, 5776), (459, 5869), (569, 6121), (603, 6256), (617, 6298), (622, 6310),

Gene: Deenasa_11 Start: 7077, Stop: 8981, Start Num: 30

Candidate Starts for Deenasa_11:

(Start: 30 @7077 has 453 MA's), (39, 7104), (84, 7185), (102, 7248), (119, 7314), (128, 7347), (168, 7455), (198, 7545), (224, 7623), (243, 7680), (253, 7734), (269, 7815), (274, 7836), (285, 7863), (308, 7914), (310, 7923), (315, 7932), (355, 8109), (357, 8121), (369, 8196), (374, 8220), (380, 8241), (411, 8325), (440, 8463), (448, 8481), (459, 8508), (473, 8532), (558, 8706), (585, 8811), (589, 8820), (594, 8847), (622, 8937), (632, 8961), (639, 8973),

Gene: DelRivs_8 Start: 4440, Stop: 6359, Start Num: 30

Candidate Starts for DelRivs_8:

(Start: 30 @4440 has 453 MA's), (Start: 85 @4551 has 7 MA's), (Start: 93 @4566 has 1 MA's), (119, 4677), (165, 4809), (172, 4833), (173, 4839), (175, 4851), (180, 4863), (242, 5028), (267, 5154), (268, 5157), (269, 5169), (272, 5178), (274, 5190), (298, 5253), (302, 5262), (315, 5298), (321, 5316), (324, 5325), (334, 5373), (354, 5469), (355, 5475), (363, 5511), (369, 5559), (374, 5583), (429, 5778), (459, 5871), (569, 6123), (603, 6258), (617, 6300), (622, 6312),

Gene: Delrey21_14 Start: 7230, Stop: 8897, Start Num: 7

Candidate Starts for Delrey21_14:

(Start: 7 @7230 has 114 MA's), (Start: 22 @7305 has 3 MA's), (33, 7326), (Start: 41 @7353 has 55 MA's), (77, 7440), (100, 7521), (106, 7551), (136, 7647), (140, 7662), (150, 7683), (157, 7704), (163, 7728), (204, 7800), (208, 7809), (244, 7920), (246, 7935), (251, 7959), (256, 7977), (259, 7992), (261, 7998), (280, 8073), (320, 8133), (349, 8268), (356, 8313), (364, 8352), (371, 8403), (380, 8436), (383, 8448), (384, 8451), (388, 8463), (396, 8478), (405, 8502), (411, 8523), (420, 8580), (431, 8631), (439, 8661), (443, 8667), (465, 8724), (484, 8769), (505, 8817),

Gene: Derg_8 Start: 5599, Stop: 7227, Start Num: 7

Candidate Starts for Derg_8:

(Start: 7 @5599 has 114 MA's), (Start: 46 @5722 has 20 MA's), (58, 5743), (81, 5800), (100, 5863), (106, 5893), (126, 5956), (133, 5983), (208, 6151), (238, 6238), (246, 6277), (251, 6301), (256, 6319), (259, 6334), (261, 6340), (273, 6403), (320, 6475), (328, 6514), (334, 6535), (343, 6580), (349, 6610), (356, 6655), (359, 6670), (360, 6673), (365, 6709), (374, 6757), (377, 6766), (384, 6793), (396, 6820), (411, 6865), (426, 6940), (431, 6970), (434, 6988), (453, 7027), (457, 7033), (464, 7048), (472, 7069), (474, 7075), (496, 7111), (506, 7144),

Gene: Derpp_8 Start: 4438, Stop: 6357, Start Num: 30

Candidate Starts for Derpp_8:

(Start: 30 @4438 has 453 MA's), (Start: 85 @4549 has 7 MA's), (Start: 93 @4564 has 1 MA's), (119, 4675), (165, 4807), (172, 4831), (173, 4837), (180, 4861), (224, 4975), (242, 5026), (267, 5152), (268, 5155), (269, 5167), (272, 5176), (274, 5188), (298, 5251), (302, 5260), (315, 5296), (321, 5314), (324, 5323), (334, 5371), (354, 5467), (355, 5473), (363, 5509), (369, 5557), (374, 5581), (429, 5776), (459, 5869),

5869), (569, 6121), (584, 6181), (603, 6256), (617, 6298), (622, 6310),

Gene: Devonte_11 Start: 6314, Stop: 8218, Start Num: 30

Candidate Starts for Devonte_11:

(Start: 30 @6314 has 453 MA's), (39, 6341), (84, 6422), (102, 6485), (119, 6551), (128, 6584), (168, 6692), (198, 6782), (224, 6860), (243, 6917), (253, 6971), (269, 7052), (274, 7073), (285, 7100), (308, 7151), (310, 7160), (315, 7169), (355, 7346), (357, 7358), (369, 7433), (374, 7457), (380, 7478), (411, 7562), (440, 7700), (448, 7718), (459, 7745), (473, 7769), (555, 7934), (558, 7943), (585, 8048), (589, 8057), (594, 8084), (622, 8174), (632, 8198), (639, 8210),

Gene: Dexdert_14 Start: 6244, Stop: 7917, Start Num: 7

Candidate Starts for Dexdert_14:

(Start: 7 @6244 has 114 MA's), (9, 6271), (37, 6352), (100, 6538), (106, 6568), (129, 6646), (136, 6664), (163, 6745), (204, 6817), (208, 6826), (227, 6886), (256, 6994), (258, 7006), (259, 7009), (261, 7015), (320, 7150), (321, 7153), (334, 7210), (349, 7285), (356, 7330), (360, 7348), (363, 7360), (369, 7408), (374, 7432), (380, 7453), (384, 7468), (405, 7519), (431, 7645), (439, 7675), (453, 7702),

Gene: Dice_8 Start: 4440, Stop: 6359, Start Num: 30

Candidate Starts for Dice_8:

(Start: 30 @4440 has 453 MA's), (Start: 36 @4455 has 5 MA's), (Start: 85 @4551 has 7 MA's), (Start: 93 @4566 has 1 MA's), (119, 4677), (165, 4809), (172, 4833), (173, 4839), (175, 4851), (180, 4863), (242, 5028), (267, 5154), (268, 5157), (269, 5169), (272, 5178), (274, 5190), (298, 5253), (302, 5262), (315, 5298), (321, 5316), (324, 5325), (334, 5373), (354, 5469), (355, 5475), (363, 5511), (369, 5559), (374, 5583), (429, 5778), (459, 5871), (569, 6123), (603, 6258), (617, 6300), (622, 6312),

Gene: DigitDog_10 Start: 6702, Stop: 8567, Start Num: 30

Candidate Starts for DigitDog_10:

(Start: 30 @6702 has 453 MA's), (Start: 36 @6717 has 5 MA's), (101, 6855), (105, 6867), (120, 6927), (132, 6969), (166, 7053), (169, 7065), (172, 7074), (225, 7191), (228, 7206), (243, 7245), (270, 7383), (274, 7401), (298, 7455), (340, 7599), (348, 7635), (355, 7677), (369, 7764), (374, 7788), (383, 7821), (387, 7833), (392, 7845), (404, 7869), (448, 8049), (454, 8067), (539, 8247), (548, 8268), (559, 8289), (584, 8391), (598, 8451), (639, 8559), (640, 8562),

Gene: Dingo_8 Start: 4438, Stop: 6357, Start Num: 30

Candidate Starts for Dingo_8:

(Start: 30 @4438 has 453 MA's), (Start: 85 @4549 has 7 MA's), (Start: 93 @4564 has 1 MA's), (119, 4675), (165, 4807), (172, 4831), (173, 4837), (175, 4849), (180, 4861), (242, 5026), (267, 5152), (268, 5155), (269, 5167), (272, 5176), (274, 5188), (298, 5251), (302, 5260), (315, 5296), (321, 5314), (324, 5323), (334, 5371), (354, 5467), (355, 5473), (363, 5509), (369, 5557), (374, 5581), (429, 5776), (459, 5869), (569, 6121), (603, 6256), (617, 6298), (622, 6310),

Gene: Dione_8 Start: 4441, Stop: 6360, Start Num: 30

Candidate Starts for Dione_8:

(Start: 30 @4441 has 453 MA's), (Start: 85 @4552 has 7 MA's), (Start: 93 @4567 has 1 MA's), (119, 4678), (165, 4810), (172, 4834), (173, 4840), (175, 4852), (180, 4864), (242, 5029), (267, 5155), (268, 5158), (269, 5170), (272, 5179), (274, 5191), (298, 5254), (302, 5263), (315, 5299), (321, 5317), (324, 5326), (334, 5374), (354, 5470), (355, 5476), (363, 5512), (369, 5560), (374, 5584), (429, 5779), (459, 5872), (569, 6124), (603, 6259), (617, 6301), (622, 6313),

Gene: DirtJuice_8 Start: 4441, Stop: 6360, Start Num: 30

Candidate Starts for DirtJuice_8:

(Start: 30 @4441 has 453 MA's), (Start: 36 @4456 has 5 MA's), (Start: 85 @4552 has 7 MA's), (Start: 93 @4567 has 1 MA's), (119, 4678), (165, 4810), (172, 4834), (173, 4840), (175, 4852), (180, 4864),

(242, 5029), (267, 5155), (268, 5158), (269, 5170), (272, 5179), (274, 5191), (298, 5254), (302, 5263), (315, 5299), (321, 5317), (324, 5326), (334, 5374), (354, 5470), (355, 5476), (363, 5512), (369, 5560), (374, 5584), (429, 5779), (459, 5872), (569, 6124), (603, 6259), (617, 6301), (622, 6313),

Gene: DoctorFroggo_14 Start: 7230, Stop: 8897, Start Num: 7

Candidate Starts for DoctorFroggo_14:

(Start: 7 @7230 has 114 MA's), (Start: 22 @7305 has 3 MA's), (33, 7326), (Start: 41 @7353 has 55 MA's), (77, 7440), (100, 7521), (106, 7551), (136, 7647), (140, 7662), (150, 7683), (157, 7704), (163, 7728), (204, 7800), (208, 7809), (244, 7920), (246, 7935), (251, 7959), (256, 7977), (259, 7992), (261, 7998), (280, 8073), (320, 8133), (349, 8268), (356, 8313), (364, 8352), (371, 8403), (380, 8436), (383, 8448), (384, 8451), (388, 8463), (396, 8478), (405, 8502), (411, 8523), (420, 8580), (431, 8631), (439, 8661), (443, 8667), (465, 8724), (484, 8769), (505, 8817),

Gene: Doddsville_8 Start: 4438, Stop: 6357, Start Num: 30

Candidate Starts for Doddsville_8:

(Start: 30 @4438 has 453 MA's), (Start: 85 @4549 has 7 MA's), (Start: 93 @4564 has 1 MA's), (119, 4675), (165, 4807), (172, 4831), (173, 4837), (175, 4849), (180, 4861), (242, 5026), (267, 5152), (268, 5155), (269, 5167), (272, 5176), (274, 5188), (298, 5251), (302, 5260), (315, 5296), (321, 5314), (324, 5323), (334, 5371), (354, 5467), (355, 5473), (363, 5509), (369, 5557), (374, 5581), (429, 5776), (459, 5869), (569, 6121), (603, 6256), (617, 6298), (622, 6310),

Gene: Dodo_84 Start: 30154, Stop: 31890, Start Num: 34

Candidate Starts for Dodo_84:

(Start: 34 @30154 has 9 MA's), (64, 30217), (71, 30226), (97, 30304), (113, 30376), (115, 30385), (121, 30409), (124, 30418), (153, 30499), (181, 30592), (211, 30649), (241, 30772), (251, 30826), (274, 30934), (320, 31045), (329, 31087), (349, 31168), (352, 31189), (364, 31252), (373, 31312), (382, 31345), (401, 31393), (415, 31453), (437, 31564), (479, 31672), (516, 31792), (522, 31816),

Gene: DoesntMatter_8 Start: 4438, Stop: 6357, Start Num: 30

Candidate Starts for DoesntMatter_8:

(Start: 30 @4438 has 453 MA's), (Start: 36 @4453 has 5 MA's), (Start: 85 @4549 has 7 MA's), (Start: 93 @4564 has 1 MA's), (119, 4675), (165, 4807), (172, 4831), (173, 4837), (175, 4849), (180, 4861), (242, 5026), (267, 5152), (268, 5155), (269, 5167), (272, 5176), (274, 5188), (298, 5251), (302, 5260), (315, 5296), (321, 5314), (324, 5323), (334, 5371), (354, 5467), (355, 5473), (363, 5509), (369, 5557), (374, 5581), (429, 5776), (459, 5869), (569, 6121), (603, 6256), (617, 6298), (622, 6310),

Gene: DogYard_22 Start: 9315, Stop: 11207, Start Num: 46

Candidate Starts for DogYard_22:

(Start: 46 @9315 has 20 MA's), (50, 9324), (71, 9363), (109, 9486), (115, 9504), (130, 9555), (139, 9579), (172, 9654), (253, 9897), (320, 10089), (357, 10263), (360, 10275), (393, 10425), (411, 10476), (416, 10509), (417, 10515), (425, 10548), (433, 10584), (442, 10611), (461, 10650), (474, 10671), (479, 10683), (573, 10953), (608, 11070), (634, 11166),

Gene: DolOn_10 Start: 4676, Stop: 6595, Start Num: 30

Candidate Starts for DolOn_10:

(Start: 30 @4676 has 453 MA's), (Start: 36 @4691 has 5 MA's), (Start: 85 @4787 has 7 MA's), (Start: 93 @4802 has 1 MA's), (119, 4913), (165, 5045), (172, 5069), (173, 5075), (175, 5087), (180, 5099), (242, 5264), (267, 5390), (268, 5393), (269, 5405), (272, 5414), (274, 5426), (298, 5489), (302, 5498), (315, 5534), (321, 5552), (324, 5561), (334, 5609), (354, 5705), (355, 5711), (363, 5747), (369, 5795), (374, 5819), (429, 6014), (459, 6107), (569, 6359), (603, 6494), (617, 6536), (622, 6548),

Gene: DonSanchon_8 Start: 4441, Stop: 6360, Start Num: 30

Candidate Starts for DonSanchon_8:

(Start: 30 @4441 has 453 MA's), (Start: 36 @4456 has 5 MA's), (Start: 85 @4552 has 7 MA's), (Start: 93 @4567 has 1 MA's), (119, 4678), (165, 4810), (172, 4834), (173, 4840), (175, 4852), (180, 4864), (242, 5029), (267, 5155), (268, 5158), (269, 5170), (272, 5179), (274, 5191), (298, 5254), (302, 5263), (315, 5299), (321, 5317), (324, 5326), (334, 5374), (354, 5470), (355, 5476), (363, 5512), (369, 5560), (374, 5584), (429, 5779), (459, 5872), (569, 6124), (603, 6259), (617, 6301), (622, 6313),

Gene: DonTron_41 Start: 18262, Stop: 20220, Start Num: 25

Candidate Starts for DonTron_41:

(Start: 25 @18262 has 8 MA's), (44, 18307), (72, 18358), (80, 18385), (145, 18574), (213, 18733), (243, 18826), (258, 18901), (272, 18970), (274, 18982), (275, 18988), (302, 19090), (313, 19123), (331, 19195), (332, 19198), (340, 19228), (349, 19267), (364, 19351), (403, 19495), (404, 19498), (412, 19528), (432, 19636), (446, 19672), (449, 19681), (511, 19816), (540, 19897), (551, 19930), (578, 20020), (621, 20173), (634, 20212),

Gene: DonaldDuck_21 Start: 8446, Stop: 10272, Start Num: 41

Candidate Starts for DonaldDuck_21:

(Start: 41 @8446 has 55 MA's), (105, 8596), (144, 8731), (165, 8770), (191, 8848), (207, 8866), (256, 9016), (259, 9031), (269, 9088), (291, 9157), (312, 9205), (316, 9214), (349, 9349), (356, 9394), (357, 9400), (360, 9412), (369, 9472), (411, 9601), (412, 9607), (416, 9634), (440, 9733), (462, 9778), (557, 9973), (566, 10009), (573, 10027), (587, 10072),

Gene: Donny_10 Start: 6695, Stop: 8560, Start Num: 30

Candidate Starts for Donny_10:

(Start: 30 @6695 has 453 MA's), (Start: 36 @6710 has 5 MA's), (63, 6752), (101, 6848), (105, 6860), (166, 7046), (169, 7058), (172, 7067), (225, 7184), (228, 7199), (243, 7238), (270, 7376), (274, 7394), (301, 7454), (340, 7592), (348, 7628), (355, 7670), (357, 7682), (369, 7757), (374, 7781), (383, 7814), (387, 7826), (392, 7838), (404, 7862), (448, 8042), (454, 8060), (539, 8240), (548, 8261), (559, 8282), (584, 8384), (598, 8444), (639, 8552), (640, 8555),

Gene: Dori_7 Start: 3691, Stop: 5658, Start Num: 21

Candidate Starts for Dori_7:

(Start: 21 @3691 has 7 MA's), (Start: 30 @3709 has 453 MA's), (67, 3787), (Start: 78 @3817 has 11 MA's), (84, 3835), (117, 3958), (154, 4054), (157, 4063), (171, 4114), (208, 4213), (220, 4258), (241, 4318), (243, 4327), (251, 4372), (257, 4393), (268, 4450), (271, 4468), (300, 4549), (306, 4570), (311, 4582), (315, 4591), (319, 4603), (330, 4654), (331, 4657), (340, 4690), (355, 4768), (357, 4780), (363, 4804), (373, 4876), (374, 4879), (404, 4960), (426, 5059), (431, 5089), (448, 5140), (554, 5374), (575, 5440), (577, 5449), (585, 5485), (590, 5509), (612, 5587), (617, 5599), (639, 5650), (640, 5653),

Gene: DuchessDung_8 Start: 4438, Stop: 6357, Start Num: 30

Candidate Starts for DuchessDung_8:

(Start: 30 @4438 has 453 MA's), (Start: 85 @4549 has 7 MA's), (Start: 93 @4564 has 1 MA's), (119, 4675), (165, 4807), (172, 4831), (173, 4837), (180, 4861), (224, 4975), (242, 5026), (267, 5152), (268, 5155), (269, 5167), (272, 5176), (274, 5188), (298, 5251), (302, 5260), (315, 5296), (321, 5314), (324, 5323), (334, 5371), (354, 5467), (355, 5473), (363, 5509), (369, 5557), (374, 5581), (429, 5776), (459, 5869), (569, 6121), (584, 6181), (603, 6256), (617, 6298), (622, 6310),

Gene: Duggie_8 Start: 4440, Stop: 6359, Start Num: 30

Candidate Starts for Duggie_8:

(Start: 30 @4440 has 453 MA's), (Start: 85 @4551 has 7 MA's), (Start: 93 @4566 has 1 MA's), (119, 4677), (165, 4809), (172, 4833), (173, 4839), (175, 4851), (180, 4863), (242, 5028), (267, 5154), (268, 5157), (269, 5169), (272, 5178), (274, 5190), (298, 5253), (302, 5262), (315, 5298), (321, 5316), (324, 5325), (334, 5373), (354, 5469), (355, 5475), (363, 5511), (369, 5559), (374, 5583), (429, 5778), (459, 5871), (569, 6123), (603, 6258), (617, 6300), (622, 6312),

Gene: DunneganBoMo_65 Start: 27824, Stop: 29458, Start Num: 26

Candidate Starts for DunneganBoMo_65:

(Start: 26 @27824 has 9 MA's), (Start: 55 @27884 has 4 MA's), (172, 28241), (241, 28430), (243, 28439), (304, 28643), (320, 28691), (358, 28871), (373, 28958), (396, 29024), (400, 29036), (460, 29267), (504, 29354), (540, 29447),

Gene: Durga_8 Start: 4437, Stop: 6356, Start Num: 30

Candidate Starts for Durga_8:

(Start: 30 @4437 has 453 MA's), (Start: 85 @4548 has 7 MA's), (Start: 93 @4563 has 1 MA's), (119, 4674), (165, 4806), (172, 4830), (173, 4836), (175, 4848), (180, 4860), (242, 5025), (267, 5151), (268, 5154), (269, 5166), (272, 5175), (274, 5187), (298, 5250), (302, 5259), (315, 5295), (321, 5313), (324, 5322), (334, 5370), (354, 5466), (355, 5472), (363, 5508), (369, 5556), (374, 5580), (429, 5775), (459, 5868), (569, 6120), (603, 6255), (617, 6297), (622, 6309),

Gene: EMoore_7 Start: 4408, Stop: 6045, Start Num: 7

Candidate Starts for EMoore_7:

(Start: 7 @4408 has 114 MA's), (11, 4444), (Start: 14 @4462 has 16 MA's), (Start: 38 @4522 has 1 MA's), (49, 4546), (Start: 78 @4603 has 11 MA's), (88, 4636), (100, 4681), (106, 4711), (116, 4744), (119, 4759), (149, 4840), (203, 4957), (204, 4960), (227, 5029), (251, 5119), (253, 5128), (256, 5137), (259, 5152), (261, 5158), (271, 5212), (280, 5233), (320, 5293), (321, 5296), (334, 5353), (337, 5377), (339, 5386), (349, 5428), (356, 5473), (360, 5491), (364, 5512), (374, 5575), (380, 5596), (384, 5611), (405, 5662), (428, 5767), (431, 5788), (439, 5818), (449, 5836), (452, 5842), (465, 5878), (474, 5902), (477, 5908), (484, 5923), (506, 5980), (514, 6016),

Gene: Eaglehorse_12 Start: 7746, Stop: 9635, Start Num: 30

Candidate Starts for Eaglehorse_12:

(Start: 30 @7746 has 453 MA's), (54, 7794), (65, 7818), (Start: 78 @7836 has 11 MA's), (Start: 92 @7869 has 2 MA's), (117, 7977), (150, 8061), (168, 8124), (178, 8160), (199, 8211), (207, 8223), (213, 8244), (241, 8322), (243, 8331), (251, 8376), (269, 8466), (270, 8469), (272, 8475), (274, 8487), (279, 8502), (285, 8514), (319, 8598), (326, 8631), (330, 8649), (343, 8694), (355, 8763), (357, 8775), (369, 8850), (374, 8874), (376, 8880), (383, 8907), (387, 8919), (391, 8925), (404, 8955), (405, 8958), (412, 8985), (425, 9051), (427, 9060), (448, 9135), (463, 9171), (496, 9216), (553, 9354), (555, 9357), (559, 9369), (583, 9456), (585, 9465), (589, 9474), (590, 9489), (597, 9519), (603, 9537), (608, 9552), (617, 9579), (622, 9591), (639, 9627),

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

Candidate Starts for EarickHC_20:

(Start: 12 @8344 has 40 MA's), (Start: 14 @8353 has 16 MA's), (20, 8368), (66, 8467), (69, 8473), (101, 8578), (105, 8590), (128, 8689), (129, 8695), (133, 8707), (151, 8761), (157, 8779), (172, 8833), (180, 8863), (204, 8902), (211, 8920), (213, 8929), (225, 8965), (243, 9028), (256, 9091), (263, 9118), (320, 9265), (321, 9268), (329, 9307), (351, 9397), (363, 9463), (364, 9472), (377, 9544), (386, 9577), (388, 9583), (398, 9613), (404, 9628), (433, 9766), (437, 9781), (447, 9802), (448, 9805),

Gene: EastView9101_10 Start: 6695, Stop: 8563, Start Num: 30

Candidate Starts for EastView9101_10:

(Start: 30 @6695 has 453 MA's), (Start: 36 @6710 has 5 MA's), (39, 6719), (101, 6851), (105, 6863), (106, 6872), (166, 7049), (169, 7061), (172, 7070), (173, 7076), (225, 7187), (228, 7202), (243, 7241), (270, 7379), (274, 7397), (301, 7457), (340, 7595), (348, 7631), (355, 7673), (357, 7685), (369, 7760), (374, 7784), (383, 7817), (387, 7829), (392, 7841), (404, 7865), (448, 8045), (454, 8063), (539, 8243), (548, 8264), (559, 8285), (584, 8387), (598, 8447), (639, 8555), (640, 8558),

Gene: EdmundFerry_12 Start: 5801, Stop: 7477, Start Num: 7

Candidate Starts for EdmundFerry_12:

(Start: 7 @5801 has 114 MA's), (10, 5834), (37, 5912), (60, 5966), (100, 6098), (106, 6128), (129, 6206), (136, 6224), (163, 6305), (204, 6377), (208, 6386), (227, 6446), (256, 6554), (258, 6566), (259, 6569), (261, 6575), (320, 6710), (321, 6713), (334, 6770), (349, 6845), (356, 6890), (360, 6908), (364, 6929), (369, 6968), (374, 6992), (380, 7013), (384, 7028), (405, 7079), (411, 7100), (431, 7205), (439, 7235), (452, 7259), (453, 7262), (484, 7340),

Gene: Egi03_12 Start: 5562, Stop: 7145, Start Num: 7

Candidate Starts for Egi03_12:

(Start: 7 @5562 has 114 MA's), (42, 5676), (108, 5844), (150, 5964), (156, 5982), (159, 5997), (230, 6147), (242, 6177), (253, 6237), (254, 6240), (265, 6279), (280, 6351), (320, 6411), (321, 6414), (322, 6417), (329, 6453), (331, 6462), (333, 6468), (334, 6471), (349, 6534), (356, 6579), (363, 6609), (369, 6657), (384, 6714), (391, 6735), (396, 6741), (404, 6762), (412, 6792), (420, 6843), (431, 6891),

Gene: Ellewin_64 Start: 27611, Stop: 29185, Start Num: 55

Candidate Starts for Ellewin_64:

(Start: 26 @27551 has 9 MA's), (Start: 55 @27611 has 4 MA's), (172, 27968), (241, 28157), (243, 28166), (304, 28370), (320, 28418), (358, 28598), (373, 28685), (396, 28751), (400, 28763), (460, 28994), (504, 29081), (540, 29174),

Gene: ElvisPhasley_8 Start: 4442, Stop: 6361, Start Num: 30

Candidate Starts for ElvisPhasley_8:

(Start: 30 @4442 has 453 MA's), (Start: 85 @4553 has 7 MA's), (Start: 93 @4568 has 1 MA's), (119, 4679), (165, 4811), (172, 4835), (173, 4841), (175, 4853), (180, 4865), (242, 5030), (267, 5156), (268, 5159), (269, 5171), (272, 5180), (274, 5192), (298, 5255), (302, 5264), (315, 5300), (321, 5318), (324, 5327), (334, 5375), (354, 5471), (355, 5477), (363, 5513), (369, 5561), (374, 5585), (429, 5780), (459, 5873), (569, 6125), (603, 6260), (617, 6302), (622, 6314),

Gene: EmGer13_8 Start: 4567, Stop: 6360, Start Num: 93

Candidate Starts for EmGer13_8:

(Start: 30 @4441 has 453 MA's), (Start: 36 @4456 has 5 MA's), (Start: 85 @4552 has 7 MA's), (Start: 93 @4567 has 1 MA's), (119, 4678), (165, 4810), (172, 4834), (173, 4840), (175, 4852), (180, 4864), (242, 5029), (267, 5155), (268, 5158), (269, 5170), (272, 5179), (274, 5191), (298, 5254), (302, 5263), (315, 5299), (321, 5317), (324, 5326), (334, 5374), (354, 5470), (355, 5476), (363, 5512), (369, 5560), (374, 5584), (429, 5779), (459, 5872), (569, 6124), (603, 6259), (617, 6301), (622, 6313),

Gene: Emiris_8 Start: 4442, Stop: 6361, Start Num: 30

Candidate Starts for Emiris_8:

(Start: 30 @4442 has 453 MA's), (Start: 36 @4457 has 5 MA's), (Start: 85 @4553 has 7 MA's), (Start: 93 @4568 has 1 MA's), (119, 4679), (165, 4811), (172, 4835), (173, 4841), (175, 4853), (180, 4865), (242, 5030), (267, 5156), (268, 5159), (269, 5171), (272, 5180), (274, 5192), (298, 5255), (302, 5264), (315, 5300), (321, 5318), (324, 5327), (334, 5375), (354, 5471), (355, 5477), (363, 5513), (369, 5561), (374, 5585), (429, 5780), (459, 5873), (569, 6125), (603, 6260), (617, 6302), (622, 6314),

Gene: Emmetator_68 Start: 28631, Stop: 30205, Start Num: 55

Candidate Starts for Emmetator_68:

(Start: 26 @28571 has 9 MA's), (Start: 55 @28631 has 4 MA's), (172, 28988), (241, 29177), (243, 29186), (304, 29390), (320, 29438), (358, 29618), (373, 29705), (396, 29771), (400, 29783), (460, 30014), (504, 30101), (540, 30194),

Gene: EmpTee_8 Start: 4442, Stop: 6361, Start Num: 30

Candidate Starts for EmpTee_8:

(Start: 30 @4442 has 453 MA's), (Start: 36 @4457 has 5 MA's), (Start: 85 @4553 has 7 MA's), (Start: 93 @4568 has 1 MA's), (119, 4679), (165, 4811), (172, 4835), (173, 4841), (175, 4853), (180, 4865), (242, 5030), (267, 5156), (268, 5159), (269, 5171), (272, 5180), (274, 5192), (298, 5255), (302, 5264), (315, 5300), (321, 5318), (324, 5327), (334, 5375), (354, 5471), (355, 5477), (363, 5513), (369, 5561), (374, 5585), (429, 5780), (459, 5873), (569, 6125), (603, 6260), (617, 6302), (622, 6314),

Gene: Epah_8 Start: 5643, Stop: 7532, Start Num: 30

Candidate Starts for Epah_8:

(Start: 30 @5643 has 453 MA's), (83, 5739), (91, 5754), (102, 5805), (105, 5814), (117, 5865), (120, 5874), (157, 5970), (173, 6030), (213, 6126), (241, 6207), (251, 6261), (269, 6351), (270, 6354), (301, 6432), (305, 6444), (334, 6546), (348, 6606), (355, 6648), (357, 6660), (369, 6735), (374, 6759), (376, 6765), (383, 6792), (385, 6798), (404, 6840), (412, 6870), (543, 7212), (547, 7221), (548, 7224), (568, 7281), (584, 7347), (585, 7350), (589, 7359), (617, 7473), (635, 7518), (639, 7524),

Gene: Erasmago_75 Start: 28819, Stop: 30543, Start Num: 34

Candidate Starts for Erasmago_75:

(3, 28681), (4, 28687), (5, 28690), (Start: 34 @28819 has 9 MA's), (Start: 55 @28873 has 4 MA's), (71, 28897), (86, 28948), (165, 29212), (184, 29269), (241, 29443), (251, 29497), (320, 29713), (349, 29836), (364, 29920), (373, 29980), (382, 30013), (437, 30232), (516, 30457),

Gene: Eremos_8 Start: 4441, Stop: 6354, Start Num: 30

Candidate Starts for Eremos_8:

(Start: 30 @4441 has 453 MA's), (Start: 36 @4456 has 5 MA's), (Start: 85 @4552 has 7 MA's), (Start: 93 @4567 has 1 MA's), (119, 4678), (165, 4810), (172, 4834), (173, 4840), (175, 4852), (180, 4864), (242, 5029), (267, 5155), (268, 5158), (269, 5170), (272, 5179), (274, 5191), (298, 5254), (302, 5263), (315, 5299), (321, 5317), (324, 5326), (334, 5374), (354, 5470), (355, 5476), (363, 5512), (369, 5560), (374, 5584), (429, 5779), (459, 5872), (569, 6118), (603, 6253), (617, 6295), (622, 6307),

Gene: Etaye_8 Start: 4438, Stop: 6357, Start Num: 30

Candidate Starts for Etaye_8:

(Start: 30 @4438 has 453 MA's), (Start: 85 @4549 has 7 MA's), (Start: 93 @4564 has 1 MA's), (119, 4675), (165, 4807), (172, 4831), (173, 4837), (175, 4849), (180, 4861), (242, 5026), (267, 5152), (268, 5155), (269, 5167), (272, 5176), (274, 5188), (298, 5251), (302, 5260), (315, 5296), (321, 5314), (324, 5323), (334, 5371), (354, 5467), (355, 5473), (363, 5509), (369, 5557), (374, 5581), (429, 5776), (459, 5869), (569, 6121), (603, 6256), (617, 6298), (622, 6310),

Gene: Eugenia_8 Start: 4442, Stop: 6361, Start Num: 30

Candidate Starts for Eugenia_8:

(Start: 30 @4442 has 453 MA's), (Start: 36 @4457 has 5 MA's), (Start: 85 @4553 has 7 MA's), (Start: 93 @4568 has 1 MA's), (119, 4679), (165, 4811), (172, 4835), (173, 4841), (175, 4853), (180, 4865), (242, 5030), (267, 5156), (268, 5159), (269, 5171), (272, 5180), (274, 5192), (298, 5255), (302, 5264), (315, 5300), (321, 5318), (324, 5327), (334, 5375), (354, 5471), (355, 5477), (363, 5513), (369, 5561), (374, 5585), (429, 5780), (459, 5873), (569, 6125), (603, 6260), (617, 6302), (622, 6314),

Gene: Evaa_9 Start: 6619, Stop: 8448, Start Num: 30

Candidate Starts for Evaa_9:

(Start: 30 @6619 has 453 MA's), (53, 6664), (Start: 92 @6733 has 2 MA's), (101, 6775), (117, 6838), (142, 6907), (156, 6925), (180, 7012), (231, 7132), (254, 7222), (259, 7243), (269, 7300), (272, 7309), (274, 7321), (319, 7432), (330, 7483), (334, 7495), (336, 7510), (355, 7597), (357, 7609), (369, 7684), (374, 7708), (387, 7753), (404, 7789), (448, 7966), (553, 8173), (557, 8182), (558, 8185), (579, 8257), (585, 8284), (589, 8293), (617, 8398), (632, 8434), (633, 8437),

Gene: Evamon_12 Start: 5436, Stop: 7022, Start Num: 7

Candidate Starts for Evamon_12:

(Start: 7 @5436 has 114 MA's), (101, 5688), (108, 5718), (149, 5835), (156, 5856), (159, 5871), (240, 6045), (249, 6087), (253, 6111), (254, 6114), (265, 6153), (280, 6225), (320, 6285), (321, 6288), (322, 6291), (329, 6327), (331, 6336), (333, 6342), (334, 6345), (349, 6408), (356, 6453), (363, 6483), (369, 6531), (384, 6588), (391, 6609), (404, 6636), (405, 6639), (412, 6666), (420, 6717), (431, 6765),

Gene: EverythinBagel_21 Start: 8840, Stop: 10666, Start Num: 41

Candidate Starts for EverythinBagel_21:

(Start: 41 @8840 has 55 MA's), (91, 8939), (105, 8990), (144, 9125), (165, 9164), (191, 9242), (207, 9260), (256, 9410), (259, 9425), (269, 9482), (291, 9551), (312, 9599), (316, 9608), (349, 9743), (356, 9788), (357, 9794), (360, 9806), (369, 9866), (411, 9995), (412, 10001), (416, 10028), (440, 10127), (462, 10172), (557, 10367), (566, 10403), (573, 10421), (587, 10466),

Gene: Fanaw_9 Start: 6763, Stop: 8637, Start Num: 36

Candidate Starts for Fanaw_9:

(Start: 30 @6748 has 453 MA's), (Start: 36 @6763 has 5 MA's), (83, 6844), (91, 6859), (102, 6910), (105, 6919), (117, 6970), (157, 7075), (173, 7135), (213, 7231), (240, 7309), (241, 7312), (251, 7366), (269, 7456), (270, 7459), (301, 7537), (305, 7549), (334, 7651), (348, 7711), (355, 7753), (357, 7765), (374, 7864), (376, 7870), (383, 7897), (385, 7903), (388, 7912), (404, 7945), (412, 7975), (543, 8317), (547, 8326), (564, 8368), (569, 8392), (584, 8452), (585, 8455), (589, 8464), (617, 8578), (635, 8623), (639, 8629),

Gene: Fang_8 Start: 4442, Stop: 6361, Start Num: 30

Candidate Starts for Fang_8:

(Start: 30 @4442 has 453 MA's), (Start: 36 @4457 has 5 MA's), (Start: 85 @4553 has 7 MA's), (Start: 93 @4568 has 1 MA's), (119, 4679), (165, 4811), (172, 4835), (173, 4841), (175, 4853), (180, 4865), (242, 5030), (267, 5156), (268, 5159), (269, 5171), (272, 5180), (274, 5192), (298, 5255), (302, 5264), (315, 5300), (321, 5318), (324, 5327), (334, 5375), (354, 5471), (355, 5477), (363, 5513), (369, 5561), (374, 5585), (429, 5780), (459, 5873), (569, 6125), (603, 6260), (617, 6302), (622, 6314),

Gene: Faze9_12 Start: 7845, Stop: 9734, Start Num: 30

Candidate Starts for Faze9_12:

(Start: 30 @7845 has 453 MA's), (54, 7893), (65, 7917), (Start: 78 @7935 has 11 MA's), (Start: 92 @7968 has 2 MA's), (117, 8076), (150, 8160), (168, 8223), (178, 8259), (199, 8310), (207, 8322), (213, 8343), (241, 8421), (243, 8430), (251, 8475), (269, 8565), (270, 8568), (272, 8574), (274, 8586), (279, 8601), (285, 8613), (319, 8697), (326, 8730), (330, 8748), (343, 8793), (355, 8862), (357, 8874), (369, 8949), (374, 8973), (376, 8979), (383, 9006), (387, 9018), (391, 9024), (404, 9054), (405, 9057), (412, 9084), (425, 9150), (427, 9159), (448, 9234), (463, 9270), (496, 9315), (553, 9453), (555, 9456), (559, 9468), (583, 9555), (585, 9564), (589, 9573), (590, 9588), (597, 9618), (603, 9636), (608, 9651), (617, 9678), (622, 9690), (639, 9726),

Gene: FelixTres_10 Start: 6780, Stop: 8627, Start Num: 30

Candidate Starts for FelixTres_10:

(Start: 30 @6780 has 453 MA's), (Start: 92 @6894 has 2 MA's), (101, 6936), (117, 6999), (137, 7065), (160, 7107), (178, 7170), (235, 7293), (237, 7299), (241, 7308), (243, 7317), (270, 7455), (274, 7473), (321, 7614), (326, 7641), (330, 7659), (334, 7671), (347, 7722), (355, 7773), (369, 7860), (374, 7884), (448, 8142), (476, 8202), (480, 8211), (557, 8352), (558, 8355), (579, 8427), (580, 8433), (585, 8454), (598, 8511), (602, 8523), (612, 8556), (617, 8568), (622, 8580), (626, 8592), (632, 8604), (633, 8607),

Gene: Fireball_13 Start: 5562, Stop: 7145, Start Num: 7

Candidate Starts for Fireball_13:

(Start: 7 @5562 has 114 MA's), (42, 5676), (108, 5844), (150, 5964), (156, 5982), (159, 5997), (230, 6147), (242, 6177), (253, 6237), (254, 6240), (265, 6279), (280, 6351), (320, 6411), (321, 6414), (322,

6417), (329, 6453), (331, 6462), (333, 6468), (334, 6471), (349, 6534), (356, 6579), (363, 6609), (369, 6657), (384, 6714), (391, 6735), (396, 6741), (404, 6762), (412, 6792), (420, 6843), (431, 6891),

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

Candidate Starts for Fireman_20:

(Start: 12 @8080 has 40 MA's), (Start: 14 @8089 has 16 MA's), (69, 8212), (101, 8317), (105, 8329), (151, 8500), (157, 8518), (171, 8569), (204, 8641), (210, 8653), (211, 8659), (213, 8668), (225, 8704), (243, 8767), (256, 8830), (263, 8857), (269, 8902), (272, 8911), (303, 8953), (320, 9004), (321, 9007), (329, 9046), (331, 9055), (334, 9064), (343, 9097), (351, 9136), (363, 9202), (364, 9211), (365, 9226), (369, 9250), (386, 9316), (388, 9322), (398, 9349), (433, 9502), (448, 9541), (455, 9562), (470, 9607), (529, 9754),

Gene: Fitzgerald_11 Start: 6943, Stop: 8565, Start Num: 7

Candidate Starts for Fitzgerald_11:

(Start: 7 @6943 has 114 MA's), (Start: 46 @7063 has 20 MA's), (71, 7102), (81, 7141), (100, 7204), (126, 7297), (133, 7324), (149, 7363), (208, 7492), (227, 7552), (247, 7621), (251, 7642), (256, 7660), (259, 7675), (261, 7681), (273, 7744), (316, 7804), (320, 7816), (328, 7855), (331, 7867), (334, 7876), (339, 7909), (343, 7921), (349, 7951), (356, 7996), (359, 8011), (360, 8014), (365, 8050), (374, 8098), (377, 8107), (384, 8134), (431, 8311), (453, 8368), (457, 8374), (464, 8389), (472, 8410), (474, 8416), (496, 8452), (505, 8479),

Gene: Fizzles_22 Start: 8440, Stop: 10269, Start Num: 41

Candidate Starts for Fizzles_22:

(Start: 41 @8440 has 55 MA's), (128, 8683), (129, 8689), (165, 8767), (191, 8845), (207, 8863), (237, 8935), (256, 9013), (259, 9028), (269, 9085), (295, 9157), (307, 9181), (312, 9193), (316, 9202), (349, 9337), (352, 9358), (356, 9382), (357, 9388), (360, 9400), (369, 9460), (384, 9520), (411, 9589), (412, 9595), (425, 9661), (440, 9721), (475, 9787), (483, 9805), (514, 9871), (557, 9970), (566, 10006), (584, 10060), (621, 10195),

Gene: Flake_8 Start: 4440, Stop: 6359, Start Num: 30

Candidate Starts for Flake_8:

(Start: 30 @4440 has 453 MA's), (Start: 36 @4455 has 5 MA's), (Start: 85 @4551 has 7 MA's), (Start: 93 @4566 has 1 MA's), (119, 4677), (165, 4809), (172, 4833), (173, 4839), (175, 4851), (180, 4863), (242, 5028), (267, 5154), (268, 5157), (269, 5169), (272, 5178), (274, 5190), (298, 5253), (302, 5262), (315, 5298), (321, 5316), (324, 5325), (334, 5373), (354, 5469), (355, 5475), (363, 5511), (369, 5559), (374, 5583), (429, 5778), (459, 5871), (569, 6123), (603, 6258), (617, 6300), (622, 6312),

Gene: Flatwoods_13 Start: 6473, Stop: 8101, Start Num: 7

Candidate Starts for Flatwoods_13:

(Start: 7 @6473 has 114 MA's), (Start: 46 @6596 has 20 MA's), (58, 6617), (81, 6674), (100, 6737), (106, 6767), (126, 6830), (133, 6857), (204, 7016), (208, 7025), (238, 7112), (246, 7151), (251, 7175), (256, 7193), (259, 7208), (261, 7214), (273, 7277), (320, 7349), (328, 7388), (343, 7454), (349, 7484), (356, 7529), (359, 7544), (360, 7547), (365, 7583), (374, 7631), (377, 7640), (384, 7667), (396, 7694), (411, 7739), (426, 7814), (431, 7844), (434, 7862), (453, 7901), (457, 7907), (464, 7922), (472, 7943), (474, 7949), (496, 7985), (506, 8018),

Gene: FleetyMac_8 Start: 4439, Stop: 6358, Start Num: 30

Candidate Starts for FleetyMac_8:

(Start: 30 @4439 has 453 MA's), (Start: 85 @4550 has 7 MA's), (Start: 93 @4565 has 1 MA's), (119, 4676), (165, 4808), (172, 4832), (173, 4838), (175, 4850), (180, 4862), (242, 5027), (267, 5153), (268, 5156), (269, 5168), (272, 5177), (274, 5189), (298, 5252), (302, 5261), (315, 5297), (321, 5315), (324, 5324), (334, 5372), (354, 5468), (355, 5474), (363, 5510), (369, 5558), (374, 5582), (429, 5777), (459, 5870), (569, 6122), (603, 6257), (617, 6299), (622, 6311),

Gene: FloraSnap32_75 Start: 32255, Stop: 33829, Start Num: 78

Candidate Starts for FloraSnap32_75:

(Start: 22 @32144 has 3 MA's), (Start: 26 @32150 has 9 MA's), (Start: 78 @32255 has 11 MA's), (113, 32378), (116, 32390), (157, 32513), (243, 32765), (251, 32810), (301, 32966), (304, 32975), (307, 32987), (320, 33023), (325, 33044), (363, 33221), (451, 33575), (478, 33641), (480, 33647), (523, 33773), (526, 33782), (540, 33818),

Gene: FluffyNinja_8 Start: 4439, Stop: 6358, Start Num: 30

Candidate Starts for FluffyNinja_8:

(Start: 30 @4439 has 453 MA's), (Start: 36 @4454 has 5 MA's), (Start: 85 @4550 has 7 MA's), (Start: 93 @4565 has 1 MA's), (119, 4676), (165, 4808), (172, 4832), (173, 4838), (175, 4850), (180, 4862), (242, 5027), (267, 5153), (268, 5156), (269, 5168), (272, 5177), (274, 5189), (298, 5252), (302, 5261), (315, 5297), (321, 5315), (324, 5324), (334, 5372), (354, 5468), (355, 5474), (363, 5510), (369, 5558), (374, 5582), (429, 5777), (459, 5870), (569, 6122), (603, 6257), (617, 6299), (622, 6311),

Gene: ForDig_7 Start: 5208, Stop: 7124, Start Num: 30

Candidate Starts for ForDig_7:

(Start: 30 @5208 has 453 MA's), (Start: 36 @5223 has 5 MA's), (77, 5286), (Start: 78 @5289 has 11 MA's), (Start: 85 @5310 has 7 MA's), (99, 5352), (101, 5367), (102, 5370), (105, 5379), (150, 5529), (173, 5610), (185, 5640), (205, 5688), (240, 5781), (241, 5784), (251, 5838), (253, 5847), (269, 5928), (270, 5931), (274, 5949), (298, 6012), (305, 6030), (322, 6078), (334, 6132), (348, 6192), (355, 6234), (367, 6306), (369, 6321), (373, 6342), (383, 6378), (387, 6390), (404, 6426), (434, 6573), (444, 6594), (462, 6639), (494, 6705), (548, 6828), (564, 6867), (569, 6885), (602, 7017), (603, 7020), (630, 7098),

Gene: Forrestell_19 Start: 7959, Stop: 9848, Start Num: 46

Candidate Starts for Forrestell_19:

(Start: 46 @7959 has 20 MA's), (50, 7968), (71, 8007), (109, 8130), (115, 8148), (130, 8199), (139, 8223), (172, 8298), (253, 8541), (320, 8733), (357, 8907), (360, 8919), (393, 9069), (411, 9120), (416, 9153), (417, 9159), (425, 9192), (433, 9228), (442, 9255), (461, 9294), (479, 9327), (573, 9594), (608, 9711), (634, 9807),

Gene: Fortunato_9 Start: 6742, Stop: 8628, Start Num: 30

Candidate Starts for Fortunato_9:

(Start: 30 @6742 has 453 MA's), (Start: 36 @6757 has 5 MA's), (83, 6838), (91, 6853), (102, 6904), (105, 6913), (117, 6964), (157, 7069), (173, 7129), (213, 7225), (240, 7303), (241, 7306), (251, 7360), (269, 7450), (270, 7453), (301, 7531), (305, 7543), (334, 7645), (348, 7705), (355, 7747), (357, 7759), (374, 7858), (376, 7864), (383, 7891), (385, 7897), (404, 7939), (412, 7969), (543, 8308), (547, 8317), (548, 8320), (564, 8359), (569, 8383), (584, 8443), (585, 8446), (589, 8455), (617, 8569), (635, 8614), (639, 8620),

Gene: Forza_77 Start: 31301, Stop: 33031, Start Num: 27

Candidate Starts for Forza_77:

(Start: 27 @31301 has 5 MA's), (71, 31379), (89, 31433), (95, 31445), (116, 31532), (119, 31547), (145, 31637), (168, 31712), (195, 31802), (248, 31997), (251, 32015), (252, 32018), (256, 32033), (259, 32048), (264, 32063), (267, 32090), (275, 32129), (342, 32300), (349, 32333), (357, 32384), (361, 32399), (363, 32408), (375, 32483), (376, 32486), (382, 32510), (438, 32735), (446, 32750), (456, 32780), (474, 32828), (480, 32843), (483, 32849),

Gene: Fosterous_10 Start: 6015, Stop: 7637, Start Num: 7

Candidate Starts for Fosterous_10:

(Start: 7 @6015 has 114 MA's), (71, 6174), (81, 6213), (100, 6276), (126, 6369), (133, 6396), (149, 6435), (204, 6555), (208, 6564), (227, 6624), (247, 6693), (251, 6714), (256, 6732), (259, 6747), (261,

6753), (273, 6816), (316, 6876), (320, 6888), (328, 6927), (331, 6939), (334, 6948), (343, 6993), (349, 7023), (356, 7068), (359, 7083), (360, 7086), (365, 7122), (374, 7170), (377, 7179), (384, 7206), (425, 7350), (431, 7383), (453, 7440), (457, 7446), (464, 7461), (472, 7482), (474, 7488), (496, 7524), (505, 7551),

Gene: Fozzie_8 Start: 4439, Stop: 6358, Start Num: 30

Candidate Starts for Fozzie_8:

(Start: 30 @4439 has 453 MA's), (Start: 85 @4550 has 7 MA's), (Start: 93 @4565 has 1 MA's), (119, 4676), (165, 4808), (172, 4832), (173, 4838), (175, 4850), (180, 4862), (242, 5027), (267, 5153), (268, 5156), (269, 5168), (272, 5177), (274, 5189), (298, 5252), (302, 5261), (315, 5297), (321, 5315), (324, 5324), (334, 5372), (354, 5468), (355, 5474), (363, 5510), (369, 5558), (374, 5582), (429, 5777), (459, 5870), (569, 6122), (603, 6257), (617, 6299), (622, 6311),

Gene: FrankDeliGuy_19 Start: 8306, Stop: 10132, Start Num: 41

Candidate Starts for FrankDeliGuy_19:

(Start: 41 @8306 has 55 MA's), (105, 8456), (144, 8591), (165, 8630), (191, 8708), (207, 8726), (256, 8876), (259, 8891), (269, 8948), (291, 9017), (312, 9065), (316, 9074), (349, 9209), (356, 9254), (357, 9260), (360, 9272), (369, 9332), (411, 9461), (412, 9467), (416, 9494), (440, 9593), (462, 9638), (557, 9833), (566, 9869), (573, 9887), (587, 9932),

Gene: Frankicide_8 Start: 4443, Stop: 6362, Start Num: 30

Candidate Starts for Frankicide_8:

(Start: 30 @4443 has 453 MA's), (Start: 36 @4458 has 5 MA's), (Start: 85 @4554 has 7 MA's), (Start: 93 @4569 has 1 MA's), (119, 4680), (165, 4812), (172, 4836), (173, 4842), (175, 4854), (180, 4866), (242, 5031), (267, 5157), (268, 5160), (269, 5172), (272, 5181), (274, 5193), (298, 5256), (302, 5265), (315, 5301), (321, 5319), (324, 5328), (334, 5376), (354, 5472), (355, 5478), (363, 5514), (369, 5562), (374, 5586), (429, 5781), (459, 5874), (569, 6126), (603, 6261), (617, 6303), (622, 6315),

Gene: Fransoyer_24 Start: 9057, Stop: 10871, Start Num: 41

Candidate Starts for Fransoyer_24:

(Start: 34 @9036 has 9 MA's), (Start: 41 @9057 has 55 MA's), (165, 9384), (170, 9402), (173, 9414), (241, 9558), (256, 9630), (262, 9654), (270, 9705), (315, 9819), (324, 9846), (329, 9876), (349, 9957), (356, 10002), (357, 10008), (360, 10020), (369, 10080), (395, 10164), (411, 10209), (412, 10215), (425, 10281), (440, 10341), (491, 10431), (514, 10491), (557, 10572), (621, 10797),

Gene: Frederick_9 Start: 6748, Stop: 8637, Start Num: 30

Candidate Starts for Frederick_9:

(Start: 30 @6748 has 453 MA's), (Start: 36 @6763 has 5 MA's), (83, 6844), (91, 6859), (102, 6910), (105, 6919), (117, 6970), (157, 7075), (173, 7135), (213, 7231), (240, 7309), (241, 7312), (243, 7321), (251, 7366), (269, 7456), (270, 7459), (301, 7537), (305, 7549), (334, 7651), (348, 7711), (355, 7753), (357, 7765), (374, 7864), (376, 7870), (383, 7897), (385, 7903), (388, 7912), (404, 7945), (412, 7975), (543, 8317), (547, 8326), (548, 8329), (569, 8392), (584, 8452), (585, 8455), (589, 8464), (617, 8578), (626, 8602), (639, 8629),

Gene: Fregley_22 Start: 7891, Stop: 9690, Start Num: 41

Candidate Starts for Fregley_22:

(Start: 41 @7891 has 55 MA's), (91, 7990), (139, 8155), (165, 8206), (173, 8236), (207, 8302), (284, 8569), (299, 8614), (328, 8701), (340, 8746), (348, 8782), (356, 8830), (357, 8836), (360, 8848), (365, 8884), (369, 8908), (411, 9043), (433, 9151), (438, 9172), (480, 9253), (491, 9262), (550, 9373), (557, 9391), (566, 9427), (589, 9493), (606, 9562), (613, 9595), (640, 9670),

Gene: FremontTroll_9 Start: 4550, Stop: 6358, Start Num: 85

Candidate Starts for FremontTroll_9:

(Start: 30 @4439 has 453 MA's), (Start: 36 @4454 has 5 MA's), (Start: 85 @4550 has 7 MA's), (Start: 93 @4565 has 1 MA's), (119, 4676), (165, 4808), (172, 4832), (173, 4838), (175, 4850), (180, 4862), (242, 5027), (267, 5153), (268, 5156), (269, 5168), (272, 5177), (274, 5189), (298, 5252), (302, 5261), (315, 5297), (321, 5315), (324, 5324), (334, 5372), (354, 5468), (355, 5474), (363, 5510), (369, 5558), (374, 5582), (429, 5777), (459, 5870), (569, 6122), (603, 6257), (617, 6299), (622, 6311),

Gene: FrenchFry_12 Start: 7845, Stop: 9734, Start Num: 30

Candidate Starts for FrenchFry_12:

(Start: 30 @7845 has 453 MA's), (54, 7893), (65, 7917), (Start: 78 @7935 has 11 MA's), (Start: 92 @7968 has 2 MA's), (117, 8076), (150, 8160), (168, 8223), (178, 8259), (199, 8310), (207, 8322), (213, 8343), (241, 8421), (243, 8430), (251, 8475), (269, 8565), (270, 8568), (272, 8574), (274, 8586), (279, 8601), (285, 8613), (319, 8697), (326, 8730), (330, 8748), (343, 8793), (355, 8862), (357, 8874), (369, 8949), (374, 8973), (376, 8979), (383, 9006), (387, 9018), (391, 9024), (404, 9054), (405, 9057), (412, 9084), (425, 9150), (427, 9159), (448, 9234), (463, 9270), (496, 9315), (553, 9453), (555, 9456), (559, 9468), (583, 9555), (585, 9564), (589, 9573), (590, 9588), (597, 9618), (603, 9636), (608, 9651), (617, 9678), (622, 9690), (639, 9726),

Gene: Fresco_8 Start: 5303, Stop: 7141, Start Num: 30

Candidate Starts for Fresco_8:

(Start: 30 @5303 has 453 MA's), (Start: 55 @5351 has 4 MA's), (Start: 92 @5417 has 2 MA's), (101, 5459), (142, 5591), (168, 5654), (173, 5672), (241, 5825), (243, 5834), (251, 5879), (259, 5912), (269, 5969), (270, 5972), (274, 5990), (286, 6023), (297, 6050), (330, 6161), (334, 6173), (336, 6188), (355, 6275), (357, 6287), (369, 6362), (374, 6386), (384, 6422), (386, 6428), (387, 6431), (388, 6434), (404, 6467), (557, 6866), (558, 6869), (559, 6872), (579, 6941), (580, 6947), (585, 6968), (594, 7004), (606, 7049), (612, 7070), (622, 7094), (626, 7106), (632, 7118), (633, 7121),

Gene: Freya_8 Start: 4442, Stop: 6361, Start Num: 30

Candidate Starts for Freya_8:

(Start: 30 @4442 has 453 MA's), (Start: 36 @4457 has 5 MA's), (Start: 85 @4553 has 7 MA's), (Start: 93 @4568 has 1 MA's), (119, 4679), (165, 4811), (172, 4835), (173, 4841), (175, 4853), (180, 4865), (242, 5030), (267, 5156), (268, 5159), (269, 5171), (272, 5180), (274, 5192), (298, 5255), (302, 5264), (315, 5300), (321, 5318), (324, 5327), (334, 5375), (354, 5471), (355, 5477), (363, 5513), (369, 5561), (374, 5585), (429, 5780), (459, 5873), (569, 6125), (603, 6260), (617, 6302), (622, 6314),

Gene: FriarPreacher_8 Start: 4438, Stop: 6357, Start Num: 30

Candidate Starts for FriarPreacher_8:

(Start: 30 @4438 has 453 MA's), (Start: 36 @4453 has 5 MA's), (Start: 85 @4549 has 7 MA's), (Start: 93 @4564 has 1 MA's), (119, 4675), (165, 4807), (172, 4831), (173, 4837), (175, 4849), (180, 4861), (242, 5026), (267, 5152), (268, 5155), (269, 5167), (272, 5176), (274, 5188), (298, 5251), (302, 5260), (315, 5296), (321, 5314), (324, 5323), (334, 5371), (354, 5467), (355, 5473), (363, 5509), (369, 5557), (374, 5581), (429, 5776), (459, 5869), (569, 6121), (603, 6256), (617, 6298), (622, 6310),

Gene: Fringe_8 Start: 4439, Stop: 6358, Start Num: 30

Candidate Starts for Fringe_8:

(Start: 30 @4439 has 453 MA's), (Start: 36 @4454 has 5 MA's), (Start: 85 @4550 has 7 MA's), (Start: 93 @4565 has 1 MA's), (119, 4676), (165, 4808), (172, 4832), (173, 4838), (175, 4850), (180, 4862), (242, 5027), (267, 5153), (268, 5156), (269, 5168), (272, 5177), (274, 5189), (298, 5252), (302, 5261), (315, 5297), (321, 5315), (324, 5324), (334, 5372), (354, 5468), (355, 5474), (363, 5510), (369, 5558), (374, 5582), (429, 5777), (459, 5870), (569, 6122), (603, 6257), (617, 6299), (622, 6311),

Gene: FrostedClock_79 Start: 33183, Stop: 34862, Start Num: 26

Candidate Starts for FrostedClock_79:

(Start: 22 @33177 has 3 MA's), (Start: 26 @33183 has 9 MA's), (Start: 78 @33288 has 11 MA's), (113, 33411), (116, 33423), (157, 33546), (243, 33798), (251, 33843), (301, 33999), (304, 34008), (307, 34020), (320, 34056), (325, 34077), (363, 34254), (451, 34608), (478, 34674), (480, 34680), (523, 34806), (526, 34815), (540, 34851),

Gene: FuegoCuervo_16 Start: 6765, Stop: 8387, Start Num: 7

Candidate Starts for FuegoCuervo_16:

(Start: 7 @6765 has 114 MA's), (71, 6924), (81, 6963), (100, 7026), (126, 7119), (133, 7146), (149, 7185), (208, 7314), (227, 7374), (247, 7443), (251, 7464), (256, 7482), (259, 7497), (261, 7503), (273, 7566), (316, 7626), (320, 7638), (328, 7677), (331, 7689), (334, 7698), (339, 7731), (343, 7743), (349, 7773), (356, 7818), (359, 7833), (360, 7836), (365, 7872), (374, 7920), (377, 7929), (384, 7956), (431, 8133), (453, 8190), (457, 8196), (464, 8211), (472, 8232), (474, 8238), (496, 8274), (505, 8301),

Gene: FugateOSU_8 Start: 4441, Stop: 6360, Start Num: 30

Candidate Starts for FugateOSU_8:

(Start: 30 @4441 has 453 MA's), (Start: 36 @4456 has 5 MA's), (Start: 85 @4552 has 7 MA's), (Start: 93 @4567 has 1 MA's), (119, 4678), (165, 4810), (172, 4834), (173, 4840), (175, 4852), (180, 4864), (242, 5029), (267, 5155), (268, 5158), (269, 5170), (272, 5179), (274, 5191), (298, 5254), (302, 5263), (315, 5299), (321, 5317), (324, 5326), (334, 5374), (354, 5470), (355, 5476), (363, 5512), (369, 5560), (374, 5584), (429, 5779), (459, 5872), (569, 6124), (603, 6259), (617, 6301), (622, 6313),

Gene: Fugax_12 Start: 5583, Stop: 7169, Start Num: 7

Candidate Starts for Fugax_12:

(Start: 7 @5583 has 114 MA's), (101, 5835), (108, 5865), (149, 5982), (156, 6003), (159, 6018), (240, 6192), (249, 6234), (253, 6258), (254, 6261), (265, 6300), (280, 6372), (320, 6432), (321, 6435), (322, 6438), (329, 6474), (331, 6483), (333, 6489), (334, 6492), (349, 6555), (356, 6600), (363, 6630), (369, 6678), (384, 6735), (391, 6756), (404, 6783), (405, 6786), (412, 6813), (420, 6864), (431, 6912),

Gene: Funsized_14 Start: 8736, Stop: 10637, Start Num: 30

Candidate Starts for Funsized_14:

(Start: 30 @8736 has 453 MA's), (Start: 78 @8817 has 11 MA's), (108, 8931), (150, 9063), (194, 9207), (234, 9303), (243, 9330), (251, 9375), (266, 9432), (269, 9465), (270, 9468), (274, 9486), (302, 9549), (305, 9558), (310, 9576), (329, 9642), (330, 9648), (348, 9720), (355, 9762), (356, 9768), (383, 9903), (384, 9906), (387, 9915), (411, 9975), (434, 10098), (449, 10134), (461, 10161), (499, 10221), (547, 10335), (589, 10473), (605, 10542), (608, 10551),

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

Candidate Starts for FuzzBuster_24:

(Start: 12 @8570 has 40 MA's), (Start: 14 @8579 has 16 MA's), (39, 8636), (101, 8798), (111, 8837), (133, 8930), (179, 9086), (199, 9116), (201, 9119), (256, 9314), (263, 9341), (269, 9386), (271, 9392), (272, 9395), (277, 9419), (320, 9488), (329, 9530), (331, 9539), (332, 9542), (349, 9611), (364, 9695), (367, 9719), (387, 9803), (388, 9806), (409, 9863), (411, 9872), (412, 9878), (447, 10025), (455, 10049), (464, 10076), (470, 10094), (493, 10136), (531, 10265),

Gene: GMA2_9 Start: 6225, Stop: 7979, Start Num: 13

Candidate Starts for GMA2_9:

(13, 6225), (89, 6396), (116, 6495), (117, 6504), (128, 6543), (188, 6741), (218, 6834), (248, 6963), (251, 6981), (264, 7029), (267, 7056), (269, 7068), (309, 7143), (363, 7374), (376, 7452), (387, 7491), (442, 7707), (456, 7746), (480, 7809), (483, 7815), (504, 7851), (517, 7926),

Gene: GTE6_14 Start: 6302, Stop: 7978, Start Num: 7

Candidate Starts for GTE6_14:

(Start: 7 @6302 has 114 MA's), (10, 6335), (37, 6413), (49, 6440), (60, 6467), (100, 6599), (106, 6629), (129, 6707), (136, 6725), (163, 6806), (204, 6878), (208, 6887), (227, 6947), (256, 7055), (258, 7067), (259, 7070), (261, 7076), (320, 7211), (321, 7214), (334, 7271), (349, 7346), (356, 7391), (360, 7409), (364, 7430), (369, 7469), (374, 7493), (380, 7514), (384, 7529), (405, 7580), (411, 7601), (431, 7706), (439, 7736),

Gene: Gadget_12 Start: 6318, Stop: 8222, Start Num: 30

Candidate Starts for Gadget_12:

(Start: 30 @6318 has 453 MA's), (39, 6345), (84, 6426), (102, 6489), (119, 6555), (128, 6588), (168, 6696), (198, 6786), (224, 6864), (243, 6921), (253, 6975), (269, 7056), (274, 7077), (285, 7104), (308, 7155), (310, 7164), (315, 7173), (355, 7350), (357, 7362), (369, 7437), (374, 7461), (380, 7482), (411, 7566), (440, 7704), (448, 7722), (459, 7749), (473, 7773), (555, 7938), (558, 7947), (585, 8052), (589, 8061), (594, 8088), (622, 8178), (632, 8202), (639, 8214),

Gene: Gaea_12 Start: 6275, Stop: 7903, Start Num: 7

Candidate Starts for Gaea_12:

(Start: 7 @6275 has 114 MA's), (Start: 46 @6398 has 20 MA's), (58, 6419), (81, 6476), (100, 6539), (106, 6569), (126, 6632), (133, 6659), (208, 6827), (238, 6914), (246, 6953), (251, 6977), (256, 6995), (259, 7010), (261, 7016), (273, 7079), (320, 7151), (328, 7190), (343, 7256), (349, 7286), (356, 7331), (359, 7346), (360, 7349), (365, 7385), (374, 7433), (377, 7442), (384, 7469), (396, 7496), (411, 7541), (420, 7598), (426, 7616), (431, 7646), (434, 7664), (453, 7703), (457, 7709), (464, 7724), (472, 7745), (474, 7751), (496, 7787), (506, 7820),

Gene: Galadriel_14 Start: 6783, Stop: 8405, Start Num: 7

Candidate Starts for Galadriel_14:

(Start: 7 @6783 has 114 MA's), (71, 6942), (81, 6981), (100, 7044), (126, 7137), (133, 7164), (149, 7203), (208, 7332), (227, 7392), (247, 7461), (251, 7482), (256, 7500), (259, 7515), (261, 7521), (273, 7584), (316, 7644), (320, 7656), (328, 7695), (331, 7707), (334, 7716), (343, 7761), (349, 7791), (356, 7836), (359, 7851), (360, 7854), (365, 7890), (374, 7938), (377, 7947), (384, 7974), (431, 8151), (453, 8208), (457, 8214), (464, 8229), (472, 8250), (474, 8256), (496, 8292), (505, 8319),

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

Candidate Starts for Ganandorf_19:

(Start: 12 @8495 has 40 MA's), (Start: 14 @8504 has 16 MA's), (66, 8618), (69, 8624), (101, 8729), (105, 8741), (128, 8840), (129, 8846), (133, 8858), (151, 8912), (157, 8930), (172, 8984), (180, 9014), (204, 9053), (211, 9071), (213, 9080), (225, 9116), (243, 9179), (256, 9242), (263, 9269), (320, 9416), (321, 9419), (329, 9458), (334, 9476), (351, 9548), (363, 9614), (364, 9623), (377, 9695), (386, 9728), (388, 9734), (398, 9764), (404, 9779), (433, 9917), (437, 9932), (447, 9953), (448, 9956),

Gene: Gareth_8 Start: 4438, Stop: 6357, Start Num: 30

Candidate Starts for Gareth_8:

(Start: 30 @4438 has 453 MA's), (Start: 36 @4453 has 5 MA's), (Start: 85 @4549 has 7 MA's), (Start: 93 @4564 has 1 MA's), (119, 4675), (165, 4807), (172, 4831), (173, 4837), (175, 4849), (180, 4861), (242, 5026), (267, 5152), (268, 5155), (269, 5167), (272, 5176), (274, 5188), (298, 5251), (302, 5260), (315, 5296), (321, 5314), (324, 5323), (334, 5371), (354, 5467), (355, 5473), (363, 5509), (369, 5557), (374, 5581), (429, 5776), (459, 5869), (569, 6121), (603, 6256), (617, 6298), (622, 6310),

Gene: Gazebo_21 Start: 8940, Stop: 10766, Start Num: 41

Candidate Starts for Gazebo_21:

(Start: 41 @8940 has 55 MA's), (144, 9225), (165, 9264), (191, 9342), (207, 9360), (256, 9510), (259, 9525), (269, 9582), (312, 9699), (316, 9708), (349, 9843), (356, 9888), (357, 9894), (360, 9906), (369, 9966), (411, 10095), (412, 10101), (416, 10128), (440, 10227), (462, 10272), (557, 10467), (566, 10503), (573, 10521), (587, 10566),

Gene: GeneCoco_8 Start: 4441, Stop: 6360, Start Num: 30

Candidate Starts for GeneCoco_8:

(Start: 30 @4441 has 453 MA's), (Start: 85 @4552 has 7 MA's), (Start: 93 @4567 has 1 MA's), (119, 4678), (165, 4810), (172, 4834), (173, 4840), (175, 4852), (180, 4864), (242, 5029), (267, 5155), (268, 5158), (269, 5170), (272, 5179), (274, 5191), (298, 5254), (302, 5263), (315, 5299), (321, 5317), (324, 5326), (334, 5374), (354, 5470), (355, 5476), (363, 5512), (369, 5560), (374, 5584), (429, 5779), (459, 5872), (569, 6124), (603, 6259), (617, 6301), (622, 6313),

Gene: Geodirt_12 Start: 6790, Stop: 8412, Start Num: 7

Candidate Starts for Geodirt_12:

(Start: 7 @6790 has 114 MA's), (71, 6949), (81, 6988), (100, 7051), (126, 7144), (133, 7171), (149, 7210), (208, 7339), (227, 7399), (247, 7468), (251, 7489), (256, 7507), (259, 7522), (261, 7528), (273, 7591), (316, 7651), (320, 7663), (328, 7702), (331, 7714), (334, 7723), (339, 7756), (343, 7768), (349, 7798), (356, 7843), (359, 7858), (360, 7861), (365, 7897), (374, 7945), (377, 7954), (384, 7981), (431, 8158), (453, 8215), (457, 8221), (464, 8236), (472, 8257), (474, 8263), (496, 8299), (505, 8326),

Gene: Germa_21 Start: 8324, Stop: 10000, Start Num: 12

Candidate Starts for Germa_21:

(Start: 12 @8324 has 40 MA's), (Start: 14 @8333 has 16 MA's), (20, 8348), (66, 8447), (69, 8453), (101, 8558), (105, 8570), (128, 8669), (129, 8675), (133, 8687), (151, 8741), (157, 8759), (172, 8813), (180, 8843), (204, 8882), (211, 8900), (213, 8909), (225, 8945), (243, 9008), (256, 9071), (263, 9098), (320, 9245), (321, 9248), (329, 9287), (334, 9305), (351, 9377), (363, 9443), (364, 9452), (377, 9524), (386, 9557), (388, 9563), (398, 9593), (404, 9608), (433, 9746), (447, 9782), (448, 9785),

Gene: Gervas_11 Start: 6309, Stop: 8207, Start Num: 30

Candidate Starts for Gervas_11:

(Start: 30 @6309 has 453 MA's), (39, 6336), (84, 6417), (102, 6480), (119, 6546), (128, 6579), (168, 6687), (198, 6777), (224, 6855), (243, 6912), (253, 6966), (269, 7047), (274, 7068), (285, 7095), (308, 7146), (310, 7155), (315, 7164), (355, 7341), (357, 7353), (369, 7428), (374, 7452), (380, 7473), (411, 7557), (440, 7695), (448, 7713), (459, 7740), (473, 7764), (555, 7923), (558, 7932), (585, 8037), (589, 8046), (594, 8073), (622, 8163), (623, 8166), (632, 8187), (639, 8199),

Gene: Gezellig_12 Start: 5562, Stop: 7145, Start Num: 7

Candidate Starts for Gezellig_12:

(Start: 7 @5562 has 114 MA's), (42, 5676), (108, 5844), (150, 5964), (156, 5982), (159, 5997), (230, 6147), (242, 6177), (253, 6237), (254, 6240), (265, 6279), (280, 6351), (320, 6411), (321, 6414), (322, 6417), (329, 6453), (331, 6462), (333, 6468), (334, 6471), (349, 6534), (356, 6579), (363, 6609), (369, 6657), (384, 6714), (391, 6735), (396, 6741), (404, 6762), (412, 6792), (420, 6843), (431, 6891),

Gene: GinPorsche_8 Start: 5643, Stop: 7532, Start Num: 30

Candidate Starts for GinPorsche_8:

(Start: 30 @5643 has 453 MA's), (83, 5739), (91, 5754), (102, 5805), (105, 5814), (117, 5865), (120, 5874), (157, 5970), (173, 6030), (196, 6090), (213, 6126), (241, 6207), (251, 6261), (269, 6351), (270, 6354), (301, 6432), (305, 6444), (334, 6546), (348, 6606), (355, 6648), (357, 6660), (363, 6684), (369, 6735), (374, 6759), (376, 6765), (383, 6792), (385, 6798), (404, 6840), (412, 6870), (547, 7221), (548, 7224), (568, 7281), (584, 7347), (585, 7350), (589, 7359), (617, 7473), (635, 7518), (639, 7524),

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

Candidate Starts for Gina_20:

(Start: 12 @7583 has 40 MA's), (Start: 14 @7592 has 16 MA's), (69, 7712), (101, 7817), (105, 7829), (128, 7928), (133, 7946), (151, 8000), (157, 8018), (171, 8069), (176, 8093), (193, 8123), (210, 8153), (211, 8159), (213, 8168), (225, 8204), (243, 8267), (256, 8330), (263, 8357), (269, 8402), (320, 8504),

(321, 8507), (331, 8555), (334, 8564), (343, 8597), (351, 8636), (363, 8702), (364, 8711), (365, 8726), (367, 8735), (369, 8750), (371, 8762), (377, 8783), (386, 8816), (388, 8822), (398, 8852), (412, 8897), (433, 9005), (442, 9029), (455, 9065), (456, 9068), (463, 9089), (470, 9110), (523, 9245), (529, 9257), (537, 9284),

Gene: Giraffe_8 Start: 4442, Stop: 6361, Start Num: 30

Candidate Starts for Giraffe_8:

(Start: 30 @4442 has 453 MA's), (Start: 85 @4553 has 7 MA's), (Start: 93 @4568 has 1 MA's), (119, 4679), (165, 4811), (172, 4835), (173, 4841), (175, 4853), (180, 4865), (242, 5030), (267, 5156), (268, 5159), (269, 5171), (272, 5180), (274, 5192), (298, 5255), (302, 5264), (315, 5300), (321, 5318), (324, 5327), (334, 5375), (354, 5471), (355, 5477), (363, 5513), (369, 5561), (374, 5585), (429, 5780), (459, 5873), (569, 6125), (603, 6260), (617, 6302), (622, 6314),

Gene: Glass_12 Start: 7845, Stop: 9734, Start Num: 30

Candidate Starts for Glass_12:

(Start: 30 @7845 has 453 MA's), (54, 7893), (65, 7917), (Start: 78 @7935 has 11 MA's), (Start: 92 @7968 has 2 MA's), (150, 8160), (168, 8223), (178, 8259), (199, 8310), (207, 8322), (213, 8343), (241, 8421), (243, 8430), (251, 8475), (269, 8565), (270, 8568), (272, 8574), (274, 8586), (279, 8601), (285, 8613), (319, 8697), (326, 8730), (330, 8748), (343, 8793), (355, 8862), (357, 8874), (369, 8949), (374, 8973), (376, 8979), (383, 9006), (387, 9018), (391, 9024), (404, 9054), (405, 9057), (412, 9084), (425, 9150), (427, 9159), (448, 9234), (463, 9270), (496, 9315), (553, 9453), (555, 9456), (559, 9468), (583, 9555), (585, 9564), (589, 9573), (590, 9588), (597, 9618), (603, 9636), (608, 9651), (617, 9678), (622, 9690), (639, 9726),

Gene: GlenHope_12 Start: 6328, Stop: 8232, Start Num: 30

Candidate Starts for GlenHope_12:

(Start: 30 @6328 has 453 MA's), (39, 6355), (84, 6436), (102, 6499), (119, 6565), (128, 6598), (168, 6706), (198, 6796), (224, 6874), (243, 6931), (253, 6985), (269, 7066), (274, 7087), (285, 7114), (308, 7165), (310, 7174), (315, 7183), (355, 7360), (357, 7372), (369, 7447), (374, 7471), (380, 7492), (411, 7576), (440, 7714), (448, 7732), (459, 7759), (473, 7783), (555, 7948), (558, 7957), (585, 8062), (589, 8071), (594, 8098), (622, 8188), (623, 8191), (632, 8212), (639, 8224),

Gene: Glorp_21 Start: 8506, Stop: 10173, Start Num: 14

Candidate Starts for Glorp_21:

(Start: 12 @8497 has 40 MA's), (Start: 14 @8506 has 16 MA's), (20, 8521), (66, 8620), (69, 8626), (101, 8731), (105, 8743), (128, 8842), (129, 8848), (133, 8860), (151, 8914), (157, 8932), (172, 8986), (180, 9016), (204, 9055), (211, 9073), (213, 9082), (225, 9118), (243, 9181), (256, 9244), (263, 9271), (320, 9418), (321, 9421), (329, 9460), (334, 9478), (351, 9550), (363, 9616), (364, 9625), (377, 9697), (386, 9730), (388, 9736), (398, 9766), (404, 9781), (433, 9919), (437, 9934), (447, 9955), (448, 9958),

Gene: Glubnar_11 Start: 6318, Stop: 8222, Start Num: 30

Candidate Starts for Glubnar_11:

(Start: 30 @6318 has 453 MA's), (39, 6345), (84, 6426), (102, 6489), (119, 6555), (128, 6588), (168, 6696), (198, 6786), (224, 6864), (243, 6921), (253, 6975), (269, 7056), (274, 7077), (285, 7104), (308, 7155), (310, 7164), (315, 7173), (355, 7350), (357, 7362), (369, 7437), (374, 7461), (380, 7482), (411, 7566), (440, 7704), (448, 7722), (459, 7749), (473, 7773), (555, 7938), (558, 7947), (585, 8052), (589, 8061), (594, 8088), (622, 8178), (623, 8181), (632, 8202), (639, 8214),

Gene: GodPhather_7 Start: 3607, Stop: 5463, Start Num: 30

Candidate Starts for GodPhather_7:

(Start: 21 @3589 has 7 MA's), (Start: 30 @3607 has 453 MA's), (Start: 59 @3664 has 2 MA's), (109, 3802), (117, 3832), (135, 3886), (173, 3997), (220, 4126), (241, 4183), (243, 4192), (251, 4237), (256, 4255), (271, 4333), (272, 4336), (315, 4420), (323, 4444), (327, 4468), (355, 4597), (357, 4609), (363,

4633), (369, 4684), (383, 4741), (387, 4753), (432, 4927), (459, 4996), (579, 5248), (617, 5389), (622, 5401), (640, 5443),

Gene: Godines_12 Start: 7728, Stop: 9617, Start Num: 30

Candidate Starts for Godines_12:

(Start: 30 @7728 has 453 MA's), (54, 7776), (65, 7800), (Start: 78 @7818 has 11 MA's), (Start: 92 @7851 has 2 MA's), (117, 7959), (150, 8043), (168, 8106), (178, 8142), (199, 8193), (213, 8226), (241, 8304), (243, 8313), (251, 8358), (269, 8448), (270, 8451), (272, 8457), (274, 8469), (279, 8484), (285, 8496), (319, 8580), (326, 8613), (330, 8631), (343, 8676), (355, 8745), (357, 8757), (369, 8832), (374, 8856), (376, 8862), (383, 8889), (387, 8901), (391, 8907), (404, 8937), (405, 8940), (412, 8967), (425, 9033), (427, 9042), (448, 9117), (463, 9153), (496, 9198), (553, 9336), (555, 9339), (559, 9351), (583, 9438), (585, 9447), (589, 9456), (590, 9471), (597, 9501), (603, 9519), (608, 9534), (617, 9561), (622, 9573), (639, 9609),

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

Candidate Starts for GodonK_66:

(Start: 16 @24686 has 1 MA's), (Start: 23 @24698 has 1 MA's), (40, 24743), (51, 24767), (89, 24854), (111, 24938), (113, 24941), (125, 24986), (188, 25199), (219, 25298), (224, 25322), (251, 25442), (258, 25472), (264, 25490), (267, 25517), (310, 25613), (320, 25637), (328, 25676), (332, 25691), (343, 25730), (344, 25733), (345, 25736), (353, 25784), (357, 25811), (363, 25835), (375, 25910), (376, 25913), (377, 25916), (380, 25928), (382, 25937), (387, 25952), (388, 25955), (434, 26150), (454, 26201), (483, 26276), (499, 26297), (528, 26414),

Gene: GoldenEssence_62 Start: 27488, Stop: 29167, Start Num: 26

Candidate Starts for GoldenEssence_62:

(Start: 22 @27482 has 3 MA's), (Start: 26 @27488 has 9 MA's), (Start: 78 @27593 has 11 MA's), (113, 27716), (116, 27728), (157, 27851), (214, 28001), (243, 28103), (251, 28148), (259, 28181), (301, 28304), (304, 28313), (307, 28325), (320, 28361), (363, 28559), (373, 28628), (451, 28913), (478, 28979), (480, 28985), (523, 29111), (526, 29120), (540, 29156),

Gene: Gophee_8 Start: 4552, Stop: 6360, Start Num: 85

Candidate Starts for Gophee_8:

(Start: 30 @4441 has 453 MA's), (Start: 36 @4456 has 5 MA's), (Start: 85 @4552 has 7 MA's), (Start: 93 @4567 has 1 MA's), (119, 4678), (165, 4810), (172, 4834), (173, 4840), (175, 4852), (180, 4864), (242, 5029), (267, 5155), (268, 5158), (269, 5170), (272, 5179), (274, 5191), (298, 5254), (302, 5263), (315, 5299), (321, 5317), (324, 5326), (334, 5374), (354, 5470), (355, 5476), (363, 5512), (369, 5560), (374, 5584), (429, 5779), (459, 5872), (569, 6124), (603, 6259), (617, 6301), (622, 6313),

Gene: Grand2040_8 Start: 4439, Stop: 6358, Start Num: 30

Candidate Starts for Grand2040_8:

(Start: 30 @4439 has 453 MA's), (Start: 36 @4454 has 5 MA's), (Start: 85 @4550 has 7 MA's), (Start: 93 @4565 has 1 MA's), (119, 4676), (165, 4808), (172, 4832), (173, 4838), (175, 4850), (180, 4862), (242, 5027), (267, 5153), (268, 5156), (269, 5168), (272, 5177), (274, 5189), (298, 5252), (302, 5261), (315, 5297), (321, 5315), (324, 5324), (334, 5372), (354, 5468), (355, 5474), (363, 5510), (369, 5558), (374, 5582), (429, 5777), (459, 5870), (569, 6122), (603, 6257), (617, 6299), (622, 6311),

Gene: Grassboy_23 Start: 9122, Stop: 10948, Start Num: 41

Candidate Starts for Grassboy_23:

(Start: 41 @9122 has 55 MA's), (105, 9272), (144, 9407), (165, 9446), (191, 9524), (207, 9542), (256, 9692), (259, 9707), (269, 9764), (312, 9881), (316, 9890), (349, 10025), (356, 10070), (357, 10076), (360, 10088), (369, 10148), (411, 10277), (412, 10283), (416, 10310), (440, 10409), (462, 10454), (557, 10649), (566, 10685), (573, 10703), (587, 10748),

Gene: GreenChile_9 Start: 4554, Stop: 6362, Start Num: 85

Candidate Starts for GreenChile_9:

(Start: 30 @4443 has 453 MA's), (Start: 36 @4458 has 5 MA's), (Start: 85 @4554 has 7 MA's), (Start: 93 @4569 has 1 MA's), (119, 4680), (165, 4812), (172, 4836), (173, 4842), (175, 4854), (180, 4866), (242, 5031), (267, 5157), (268, 5160), (269, 5172), (272, 5181), (274, 5193), (298, 5256), (302, 5265), (315, 5301), (321, 5319), (324, 5328), (334, 5376), (354, 5472), (355, 5478), (363, 5514), (369, 5562), (374, 5586), (429, 5781), (459, 5874), (569, 6126), (603, 6261), (617, 6303), (622, 6315),

Gene: Grumio_41 Start: 17700, Stop: 19658, Start Num: 25

Candidate Starts for Grumio_41:

(Start: 25 @17700 has 8 MA's), (44, 17745), (72, 17796), (80, 17823), (145, 18012), (213, 18171), (243, 18264), (258, 18339), (272, 18408), (274, 18420), (275, 18426), (302, 18528), (313, 18561), (331, 18633), (332, 18636), (340, 18666), (349, 18705), (364, 18789), (403, 18933), (404, 18936), (412, 18966), (432, 19074), (446, 19110), (449, 19119), (502, 19209), (511, 19254), (551, 19368), (571, 19437), (578, 19458), (621, 19611), (634, 19650),

Gene: Gustavo_12 Start: 6272, Stop: 7900, Start Num: 7

Candidate Starts for Gustavo_12:

(Start: 7 @6272 has 114 MA's), (Start: 46 @6395 has 20 MA's), (58, 6416), (81, 6473), (100, 6536), (106, 6566), (126, 6629), (133, 6656), (208, 6824), (238, 6911), (246, 6950), (251, 6974), (256, 6992), (259, 7007), (261, 7013), (273, 7076), (320, 7148), (328, 7187), (343, 7253), (349, 7283), (356, 7328), (359, 7343), (360, 7346), (365, 7382), (374, 7430), (377, 7439), (384, 7466), (396, 7493), (411, 7538), (426, 7613), (431, 7643), (434, 7661), (453, 7700), (457, 7706), (464, 7721), (472, 7742), (474, 7748), (496, 7784), (506, 7817),

Gene: Gwennie1_8 Start: 4441, Stop: 6360, Start Num: 30

Candidate Starts for Gwennie1_8:

(Start: 30 @4441 has 453 MA's), (Start: 85 @4552 has 7 MA's), (Start: 93 @4567 has 1 MA's), (119, 4678), (165, 4810), (172, 4834), (173, 4840), (175, 4852), (180, 4864), (242, 5029), (267, 5155), (268, 5158), (269, 5170), (272, 5179), (274, 5191), (298, 5254), (302, 5263), (315, 5299), (321, 5317), (324, 5326), (334, 5374), (354, 5470), (355, 5476), (363, 5512), (369, 5560), (374, 5584), (429, 5779), (459, 5872), (569, 6124), (603, 6259), (617, 6301), (622, 6313),

Gene: Gwilliam_8 Start: 4438, Stop: 6357, Start Num: 30

Candidate Starts for Gwilliam_8:

(Start: 30 @4438 has 453 MA's), (Start: 36 @4453 has 5 MA's), (Start: 85 @4549 has 7 MA's), (Start: 93 @4564 has 1 MA's), (119, 4675), (165, 4807), (172, 4831), (173, 4837), (175, 4849), (180, 4861), (242, 5026), (267, 5152), (268, 5155), (269, 5167), (272, 5176), (274, 5188), (298, 5251), (302, 5260), (315, 5296), (321, 5314), (324, 5323), (334, 5371), (354, 5467), (355, 5473), (363, 5509), (369, 5557), (374, 5581), (429, 5776), (459, 5869), (569, 6121), (603, 6256), (617, 6298), (622, 6310),

Gene: Gyarad_008 Start: 4441, Stop: 6360, Start Num: 30

Candidate Starts for Gyarad_008:

(Start: 30 @4441 has 453 MA's), (Start: 36 @4456 has 5 MA's), (Start: 85 @4552 has 7 MA's), (Start: 93 @4567 has 1 MA's), (119, 4678), (165, 4810), (172, 4834), (173, 4840), (175, 4852), (180, 4864), (242, 5029), (267, 5155), (268, 5158), (269, 5170), (272, 5179), (274, 5191), (298, 5254), (302, 5263), (315, 5299), (321, 5317), (324, 5326), (334, 5374), (354, 5470), (355, 5476), (363, 5512), (369, 5560), (374, 5584), (429, 5779), (459, 5872), (569, 6124), (603, 6259), (617, 6301), (622, 6313),

Gene: HSavage_8 Start: 4443, Stop: 6362, Start Num: 30

Candidate Starts for HSavage_8:

(Start: 30 @4443 has 453 MA's), (Start: 36 @4458 has 5 MA's), (Start: 85 @4554 has 7 MA's), (Start: 93 @4569 has 1 MA's), (119, 4680), (165, 4812), (172, 4836), (173, 4842), (175, 4854), (180, 4866),

(242, 5031), (267, 5157), (268, 5160), (269, 5172), (272, 5181), (274, 5193), (298, 5256), (302, 5265), (315, 5301), (321, 5319), (324, 5328), (334, 5376), (354, 5472), (355, 5478), (363, 5514), (369, 5562), (374, 5586), (429, 5781), (459, 5874), (569, 6126), (603, 6261), (617, 6303), (622, 6315),

Gene: Haimas_8 Start: 4441, Stop: 6360, Start Num: 30

Candidate Starts for Haimas_8:

(Start: 30 @4441 has 453 MA's), (Start: 36 @4456 has 5 MA's), (Start: 85 @4552 has 7 MA's), (Start: 93 @4567 has 1 MA's), (119, 4678), (165, 4810), (172, 4834), (173, 4840), (175, 4852), (180, 4864), (242, 5029), (267, 5155), (268, 5158), (269, 5170), (272, 5179), (274, 5191), (298, 5254), (302, 5263), (315, 5299), (321, 5317), (324, 5326), (334, 5374), (354, 5470), (355, 5476), (363, 5512), (369, 5560), (374, 5584), (429, 5779), (459, 5872), (569, 6124), (603, 6259), (617, 6301), (622, 6313),

Gene: Haleema_8 Start: 4441, Stop: 6360, Start Num: 30

Candidate Starts for Haleema_8:

(Start: 30 @4441 has 453 MA's), (Start: 85 @4552 has 7 MA's), (Start: 93 @4567 has 1 MA's), (119, 4678), (165, 4810), (172, 4834), (173, 4840), (175, 4852), (180, 4864), (242, 5029), (267, 5155), (268, 5158), (269, 5170), (272, 5179), (274, 5191), (298, 5254), (302, 5263), (315, 5299), (321, 5317), (324, 5326), (334, 5374), (354, 5470), (355, 5476), (363, 5512), (369, 5560), (374, 5584), (429, 5779), (459, 5872), (569, 6124), (603, 6259), (617, 6301), (622, 6313),

Gene: Halfpint_10 Start: 6163, Stop: 8067, Start Num: 30

Candidate Starts for Halfpint_10:

(Start: 30 @6163 has 453 MA's), (39, 6190), (84, 6271), (102, 6334), (119, 6400), (128, 6433), (168, 6541), (198, 6631), (224, 6709), (243, 6766), (253, 6820), (269, 6901), (274, 6922), (285, 6949), (308, 7000), (310, 7009), (315, 7018), (355, 7195), (357, 7207), (369, 7282), (374, 7306), (380, 7327), (411, 7411), (440, 7549), (448, 7567), (459, 7594), (473, 7618), (555, 7783), (558, 7792), (585, 7897), (589, 7906), (594, 7933), (622, 8023), (632, 8047), (639, 8059),

Gene: Hally898_8 Start: 5643, Stop: 7532, Start Num: 30

Candidate Starts for Hally898_8:

(Start: 30 @5643 has 453 MA's), (83, 5739), (91, 5754), (102, 5805), (105, 5814), (117, 5865), (120, 5874), (157, 5970), (173, 6030), (213, 6126), (241, 6207), (251, 6261), (269, 6351), (270, 6354), (301, 6432), (305, 6444), (334, 6546), (348, 6606), (355, 6648), (357, 6660), (369, 6735), (374, 6759), (376, 6765), (383, 6792), (385, 6798), (404, 6840), (412, 6870), (543, 7212), (547, 7221), (548, 7224), (568, 7281), (584, 7347), (585, 7350), (589, 7359), (617, 7473), (635, 7518), (639, 7524),

Gene: Halo3_13 Start: 5892, Stop: 7478, Start Num: 7

Candidate Starts for Halo3_13:

(Start: 7 @5892 has 114 MA's), (19, 5955), (101, 6144), (108, 6174), (149, 6291), (156, 6312), (159, 6327), (240, 6501), (242, 6507), (249, 6543), (253, 6567), (254, 6570), (265, 6609), (280, 6681), (320, 6741), (328, 6780), (329, 6783), (331, 6792), (333, 6798), (349, 6864), (356, 6909), (363, 6939), (369, 6987), (384, 7044), (391, 7065), (404, 7092), (405, 7095), (412, 7122), (420, 7173), (431, 7221),

Gene: Hamish_8 Start: 4441, Stop: 6360, Start Num: 30

Candidate Starts for Hamish_8:

(Start: 30 @4441 has 453 MA's), (Start: 36 @4456 has 5 MA's), (Start: 85 @4552 has 7 MA's), (Start: 93 @4567 has 1 MA's), (119, 4678), (165, 4810), (172, 4834), (173, 4840), (175, 4852), (180, 4864), (242, 5029), (267, 5155), (268, 5158), (269, 5170), (272, 5179), (274, 5191), (298, 5254), (302, 5263), (315, 5299), (321, 5317), (324, 5326), (334, 5374), (354, 5470), (355, 5476), (363, 5512), (369, 5560), (374, 5584), (429, 5779), (459, 5872), (569, 6124), (603, 6259), (617, 6301), (622, 6313),

Gene: Hangman_9 Start: 6748, Stop: 8637, Start Num: 30

Candidate Starts for Hangman_9:

(Start: 30 @6748 has 453 MA's), (Start: 36 @6763 has 5 MA's), (83, 6844), (91, 6859), (102, 6910), (105, 6919), (117, 6970), (157, 7075), (173, 7135), (213, 7231), (240, 7309), (241, 7312), (243, 7321), (251, 7366), (269, 7456), (270, 7459), (301, 7537), (305, 7549), (334, 7651), (348, 7711), (355, 7753), (357, 7765), (369, 7840), (374, 7864), (376, 7870), (383, 7897), (385, 7903), (388, 7912), (404, 7945), (412, 7975), (543, 8317), (547, 8326), (548, 8329), (569, 8392), (584, 8452), (585, 8455), (589, 8464), (617, 8578), (626, 8602), (639, 8629),

Gene: Hans_15 Start: 6962, Stop: 8596, Start Num: 7

Candidate Starts for Hans_15:

(Start: 7 @6962 has 114 MA's), (9, 6989), (11, 6998), (Start: 22 @7034 has 3 MA's), (49, 7100), (Start: 78 @7157 has 11 MA's), (88, 7190), (100, 7235), (106, 7265), (108, 7274), (116, 7298), (119, 7313), (149, 7394), (166, 7451), (203, 7511), (208, 7523), (213, 7541), (227, 7583), (251, 7673), (256, 7691), (259, 7706), (261, 7712), (271, 7766), (280, 7787), (320, 7847), (321, 7850), (334, 7907), (337, 7931), (343, 7952), (349, 7982), (356, 8027), (360, 8045), (364, 8066), (374, 8129), (380, 8150), (384, 8165), (405, 8216), (428, 8321), (431, 8342), (439, 8372), (449, 8390), (474, 8456), (484, 8477), (506, 8531),

Gene: Happabalu_8 Start: 4563, Stop: 6356, Start Num: 93

Candidate Starts for Happabalu_8:

(Start: 30 @4437 has 453 MA's), (Start: 85 @4548 has 7 MA's), (Start: 93 @4563 has 1 MA's), (119, 4674), (165, 4806), (172, 4830), (173, 4836), (175, 4848), (180, 4860), (242, 5025), (267, 5151), (268, 5154), (269, 5166), (272, 5175), (274, 5187), (298, 5250), (302, 5259), (315, 5295), (321, 5313), (324, 5322), (334, 5370), (354, 5466), (355, 5472), (363, 5508), (369, 5556), (374, 5580), (429, 5775), (459, 5868), (569, 6120), (603, 6255), (617, 6297), (622, 6309),

Gene: Hartsy_8 Start: 4438, Stop: 6357, Start Num: 30

Candidate Starts for Hartsy_8:

(Start: 30 @4438 has 453 MA's), (Start: 36 @4453 has 5 MA's), (Start: 85 @4549 has 7 MA's), (Start: 93 @4564 has 1 MA's), (119, 4675), (165, 4807), (172, 4831), (173, 4837), (175, 4849), (180, 4861), (242, 5026), (267, 5152), (268, 5155), (269, 5167), (272, 5176), (274, 5188), (298, 5251), (302, 5260), (315, 5296), (321, 5314), (324, 5323), (334, 5371), (354, 5467), (355, 5473), (363, 5509), (369, 5557), (374, 5581), (429, 5776), (459, 5869), (569, 6121), (603, 6256), (617, 6298), (622, 6310),

Gene: Harvey_8 Start: 4442, Stop: 6361, Start Num: 30

Candidate Starts for Harvey_8:

(Start: 30 @4442 has 453 MA's), (Start: 85 @4553 has 7 MA's), (Start: 93 @4568 has 1 MA's), (119, 4679), (165, 4811), (172, 4835), (173, 4841), (175, 4853), (180, 4865), (242, 5030), (267, 5156), (268, 5159), (269, 5171), (272, 5180), (274, 5192), (298, 5255), (302, 5264), (315, 5300), (321, 5318), (324, 5327), (334, 5375), (354, 5471), (355, 5477), (363, 5513), (369, 5561), (374, 5585), (429, 5780), (459, 5873), (569, 6125), (603, 6260), (617, 6302), (622, 6314),

Gene: HarveySr_11 Start: 6315, Stop: 8219, Start Num: 30

Candidate Starts for HarveySr_11:

(Start: 30 @6315 has 453 MA's), (39, 6342), (84, 6423), (102, 6486), (119, 6552), (128, 6585), (168, 6693), (198, 6783), (224, 6861), (243, 6918), (253, 6972), (269, 7053), (274, 7074), (285, 7101), (308, 7152), (310, 7161), (315, 7170), (355, 7347), (357, 7359), (369, 7434), (374, 7458), (380, 7479), (411, 7563), (440, 7701), (448, 7719), (459, 7746), (473, 7770), (555, 7935), (558, 7944), (585, 8049), (589, 8058), (594, 8085), (622, 8175), (623, 8178), (632, 8199), (639, 8211),

Gene: Hashim76_13 Start: 5567, Stop: 7492, Start Num: 30

Candidate Starts for Hashim76_13:

(Start: 30 @5567 has 453 MA's), (166, 5942), (169, 5954), (180, 5993), (203, 6044), (210, 6059), (244, 6170), (251, 6209), (257, 6230), (267, 6284), (268, 6287), (274, 6320), (291, 6368), (302, 6392), (305, 6401), (310, 6419), (324, 6455), (347, 6554), (355, 6605), (363, 6641), (374, 6713), (440, 6956), (448,

6974), (557, 7208), (585, 7319), (589, 7328), (590, 7343), (603, 7391), (635, 7478),

Gene: Heath_9 Start: 6748, Stop: 8637, Start Num: 30

Candidate Starts for Heath_9:

(Start: 30 @6748 has 453 MA's), (Start: 36 @6763 has 5 MA's), (83, 6844), (91, 6859), (102, 6910), (105, 6919), (117, 6970), (157, 7075), (173, 7135), (213, 7231), (240, 7309), (241, 7312), (243, 7321), (251, 7366), (269, 7456), (270, 7459), (301, 7537), (305, 7549), (334, 7651), (348, 7711), (355, 7753), (357, 7765), (369, 7840), (374, 7864), (376, 7870), (383, 7897), (385, 7903), (388, 7912), (404, 7945), (412, 7975), (543, 8317), (547, 8326), (548, 8329), (569, 8392), (584, 8452), (585, 8455), (589, 8464), (617, 8578), (635, 8623), (639, 8629),

Gene: Heathcliff_11 Start: 6309, Stop: 8204, Start Num: 30

Candidate Starts for Heathcliff_11:

(Start: 30 @6309 has 453 MA's), (39, 6336), (84, 6417), (102, 6480), (119, 6546), (128, 6579), (168, 6687), (198, 6777), (224, 6855), (243, 6912), (253, 6966), (269, 7047), (274, 7068), (285, 7095), (308, 7146), (310, 7155), (315, 7164), (355, 7341), (357, 7353), (369, 7428), (374, 7452), (380, 7473), (411, 7557), (440, 7695), (448, 7713), (459, 7740), (473, 7764), (555, 7920), (558, 7929), (585, 8034), (589, 8043), (594, 8070), (622, 8160), (623, 8163), (632, 8184), (639, 8196),

Gene: Hedgerow_12 Start: 7827, Stop: 9716, Start Num: 30

Candidate Starts for Hedgerow_12:

(Start: 30 @7827 has 453 MA's), (54, 7875), (65, 7899), (Start: 78 @7917 has 11 MA's), (Start: 92 @7950 has 2 MA's), (117, 8058), (150, 8142), (168, 8205), (178, 8241), (199, 8292), (207, 8304), (213, 8325), (241, 8403), (243, 8412), (251, 8457), (269, 8547), (270, 8550), (272, 8556), (274, 8568), (279, 8583), (285, 8595), (319, 8679), (326, 8712), (330, 8730), (343, 8775), (355, 8844), (357, 8856), (369, 8931), (374, 8955), (376, 8961), (383, 8988), (387, 9000), (391, 9006), (404, 9036), (405, 9039), (412, 9066), (425, 9132), (427, 9141), (448, 9216), (463, 9252), (496, 9297), (553, 9435), (555, 9438), (559, 9450), (583, 9537), (585, 9546), (589, 9555), (590, 9570), (597, 9600), (603, 9618), (608, 9633), (617, 9660), (622, 9672), (639, 9708),

Gene: Hekos_8 Start: 4551, Stop: 6359, Start Num: 85

Candidate Starts for Hekos_8:

(Start: 30 @4440 has 453 MA's), (Start: 36 @4455 has 5 MA's), (Start: 85 @4551 has 7 MA's), (Start: 93 @4566 has 1 MA's), (119, 4677), (165, 4809), (172, 4833), (173, 4839), (175, 4851), (180, 4863), (242, 5028), (267, 5154), (268, 5157), (269, 5169), (272, 5178), (274, 5190), (298, 5253), (302, 5262), (315, 5298), (321, 5316), (324, 5325), (334, 5373), (354, 5469), (355, 5475), (363, 5511), (369, 5559), (374, 5583), (429, 5778), (459, 5871), (569, 6123), (603, 6258), (617, 6300), (622, 6312),

Gene: Held_8 Start: 4442, Stop: 6361, Start Num: 30

Candidate Starts for Held_8:

(Start: 30 @4442 has 453 MA's), (Start: 85 @4553 has 7 MA's), (Start: 93 @4568 has 1 MA's), (119, 4679), (165, 4811), (172, 4835), (173, 4841), (175, 4853), (180, 4865), (242, 5030), (267, 5156), (268, 5159), (269, 5171), (272, 5180), (274, 5192), (298, 5255), (302, 5264), (315, 5300), (321, 5318), (324, 5327), (334, 5375), (354, 5471), (355, 5477), (363, 5513), (369, 5561), (374, 5585), (429, 5780), (459, 5873), (569, 6125), (603, 6260), (617, 6302), (622, 6314),

Gene: HenryJackson_8 Start: 4441, Stop: 6360, Start Num: 30

Candidate Starts for HenryJackson_8:

(Start: 30 @4441 has 453 MA's), (Start: 36 @4456 has 5 MA's), (Start: 85 @4552 has 7 MA's), (Start: 93 @4567 has 1 MA's), (119, 4678), (165, 4810), (172, 4834), (173, 4840), (175, 4852), (180, 4864), (242, 5029), (267, 5155), (268, 5158), (269, 5170), (272, 5179), (274, 5191), (298, 5254), (302, 5263), (315, 5299), (321, 5317), (324, 5326), (334, 5374), (354, 5470), (355, 5476), (363, 5512), (369, 5560), (374, 5584), (429, 5779), (459, 5872), (569, 6124), (603, 6259), (617, 6301), (622, 6313),

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

Candidate Starts for Hermeonysus_19:

(Start: 12 @8365 has 40 MA's), (Start: 14 @8374 has 16 MA's), (66, 8488), (69, 8494), (101, 8599), (105, 8611), (128, 8710), (129, 8716), (133, 8728), (151, 8782), (157, 8800), (172, 8854), (180, 8884), (204, 8923), (211, 8941), (213, 8950), (225, 8986), (243, 9049), (256, 9112), (263, 9139), (320, 9286), (321, 9289), (329, 9328), (334, 9346), (351, 9418), (363, 9484), (364, 9493), (377, 9565), (386, 9598), (388, 9604), (398, 9634), (404, 9649), (433, 9787), (437, 9802), (447, 9823), (448, 9826),

Gene: Hertubise_8 Start: 4441, Stop: 6360, Start Num: 30

Candidate Starts for Hertubise_8:

(Start: 30 @4441 has 453 MA's), (Start: 36 @4456 has 5 MA's), (Start: 85 @4552 has 7 MA's), (Start: 93 @4567 has 1 MA's), (119, 4678), (165, 4810), (172, 4834), (173, 4840), (175, 4852), (180, 4864), (242, 5029), (267, 5155), (268, 5158), (269, 5170), (272, 5179), (274, 5191), (298, 5254), (302, 5263), (315, 5299), (321, 5317), (324, 5326), (334, 5374), (354, 5470), (355, 5476), (363, 5512), (369, 5560), (374, 5584), (429, 5779), (459, 5872), (569, 6124), (603, 6259), (617, 6301), (622, 6313),

Gene: Hetaeria_8 Start: 4441, Stop: 6360, Start Num: 30

Candidate Starts for Hetaeria_8:

(Start: 30 @4441 has 453 MA's), (Start: 36 @4456 has 5 MA's), (Start: 85 @4552 has 7 MA's), (Start: 93 @4567 has 1 MA's), (119, 4678), (165, 4810), (172, 4834), (173, 4840), (175, 4852), (180, 4864), (242, 5029), (267, 5155), (268, 5158), (269, 5170), (272, 5179), (274, 5191), (298, 5254), (302, 5263), (315, 5299), (321, 5317), (324, 5326), (334, 5374), (354, 5470), (355, 5476), (363, 5512), (369, 5560), (374, 5584), (429, 5779), (459, 5872), (569, 6124), (603, 6259), (617, 6301), (622, 6313),

Gene: HighStump_8 Start: 4441, Stop: 6360, Start Num: 30

Candidate Starts for HighStump_8:

(Start: 30 @4441 has 453 MA's), (Start: 36 @4456 has 5 MA's), (Start: 85 @4552 has 7 MA's), (Start: 93 @4567 has 1 MA's), (119, 4678), (165, 4810), (172, 4834), (173, 4840), (175, 4852), (180, 4864), (242, 5029), (267, 5155), (268, 5158), (269, 5170), (272, 5179), (274, 5191), (298, 5254), (302, 5263), (315, 5299), (321, 5317), (324, 5326), (334, 5374), (354, 5470), (355, 5476), (363, 5512), (369, 5560), (374, 5584), (429, 5779), (459, 5872), (569, 6124), (603, 6259), (617, 6301), (622, 6313),

Gene: Hive_22 Start: 9500, Stop: 11221, Start Num: 109

Candidate Starts for Hive_22:

(Start: 46 @9329 has 20 MA's), (50, 9338), (71, 9377), (109, 9500), (115, 9518), (139, 9593), (172, 9668), (253, 9911), (320, 10103), (357, 10277), (360, 10289), (393, 10439), (411, 10490), (416, 10523), (417, 10529), (425, 10562), (433, 10598), (442, 10625), (461, 10664), (474, 10685), (479, 10697), (482, 10703), (573, 10967), (608, 11084), (634, 11180),

Gene: Hocus_8 Start: 4441, Stop: 6360, Start Num: 30

Candidate Starts for Hocus_8:

(Start: 30 @4441 has 453 MA's), (Start: 36 @4456 has 5 MA's), (Start: 85 @4552 has 7 MA's), (Start: 93 @4567 has 1 MA's), (119, 4678), (165, 4810), (172, 4834), (173, 4840), (180, 4864), (242, 5029), (267, 5155), (268, 5158), (269, 5170), (272, 5179), (274, 5191), (298, 5254), (302, 5263), (315, 5299), (321, 5317), (324, 5326), (334, 5374), (354, 5470), (355, 5476), (363, 5512), (369, 5560), (374, 5584), (429, 5779), (459, 5872), (569, 6124), (603, 6259), (617, 6301), (622, 6313),

Gene: HogWash_8 Start: 4549, Stop: 6357, Start Num: 85

Candidate Starts for HogWash_8:

(Start: 30 @4438 has 453 MA's), (Start: 85 @4549 has 7 MA's), (Start: 93 @4564 has 1 MA's), (119, 4675), (165, 4807), (172, 4831), (173, 4837), (175, 4849), (180, 4861), (242, 5026), (267, 5152), (268, 5155), (269, 5167), (272, 5176), (274, 5188), (298, 5251), (302, 5260), (315, 5296), (321, 5314), (324,

5323), (334, 5371), (354, 5467), (355, 5473), (363, 5509), (369, 5557), (374, 5581), (429, 5776), (459, 5869), (569, 6121), (603, 6256), (617, 6298), (622, 6310),

Gene: Holeinone_12 Start: 7727, Stop: 9616, Start Num: 30

Candidate Starts for Holeinone_12:

(Start: 30 @7727 has 453 MA's), (54, 7775), (65, 7799), (Start: 78 @7817 has 11 MA's), (Start: 92 @7850 has 2 MA's), (117, 7958), (150, 8042), (168, 8105), (178, 8141), (199, 8192), (213, 8225), (241, 8303), (243, 8312), (251, 8357), (269, 8447), (270, 8450), (272, 8456), (274, 8468), (279, 8483), (285, 8495), (319, 8579), (326, 8612), (330, 8630), (343, 8675), (355, 8744), (357, 8756), (369, 8831), (374, 8855), (376, 8861), (383, 8888), (387, 8900), (391, 8906), (404, 8936), (405, 8939), (412, 8966), (425, 9032), (427, 9041), (448, 9116), (463, 9152), (496, 9197), (553, 9335), (555, 9338), (559, 9350), (583, 9437), (585, 9446), (589, 9455), (590, 9470), (597, 9500), (603, 9518), (608, 9533), (617, 9560), (622, 9572), (639, 9608),

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

Candidate Starts for Honeyfin_21:

(Start: 12 @8650 has 40 MA's), (Start: 14 @8659 has 16 MA's), (20, 8674), (66, 8773), (69, 8779), (101, 8884), (105, 8896), (128, 8995), (129, 9001), (151, 9067), (157, 9085), (172, 9139), (180, 9169), (204, 9208), (211, 9226), (213, 9235), (225, 9271), (243, 9334), (256, 9397), (263, 9424), (269, 9469), (320, 9571), (321, 9574), (329, 9613), (334, 9631), (351, 9703), (363, 9769), (364, 9778), (369, 9817), (377, 9850), (386, 9883), (388, 9889), (398, 9919), (433, 10072), (437, 10087), (447, 10108), (448, 10111), (529, 10324),

Gene: Horchata_8 Start: 4440, Stop: 6359, Start Num: 30

Candidate Starts for Horchata_8:

(Start: 30 @4440 has 453 MA's), (Start: 85 @4551 has 7 MA's), (Start: 93 @4566 has 1 MA's), (119, 4677), (165, 4809), (172, 4833), (173, 4839), (175, 4851), (180, 4863), (242, 5028), (267, 5154), (268, 5157), (269, 5169), (272, 5178), (274, 5190), (298, 5253), (302, 5262), (315, 5298), (321, 5316), (324, 5325), (334, 5373), (354, 5469), (355, 5475), (363, 5511), (369, 5559), (374, 5583), (429, 5778), (459, 5871), (569, 6123), (603, 6258), (617, 6300), (622, 6312),

Gene: Hosp_05 Start: 3410, Stop: 5326, Start Num: 30

Candidate Starts for Hosp_05:

(Start: 30 @3410 has 453 MA's), (Start: 36 @3425 has 5 MA's), (77, 3488), (Start: 85 @3512 has 7 MA's), (99, 3554), (101, 3569), (102, 3572), (105, 3581), (150, 3731), (173, 3812), (185, 3842), (205, 3890), (240, 3983), (241, 3986), (243, 3995), (253, 4049), (254, 4052), (269, 4130), (270, 4133), (274, 4151), (298, 4214), (305, 4232), (322, 4280), (334, 4334), (348, 4394), (355, 4436), (367, 4508), (369, 4523), (373, 4544), (383, 4580), (387, 4592), (404, 4628), (434, 4775), (462, 4841), (494, 4907), (548, 5030), (562, 5060), (564, 5069), (569, 5087), (602, 5219), (603, 5222), (630, 5300),

Gene: Hydro_9 Start: 6745, Stop: 8634, Start Num: 30

Candidate Starts for Hydro_9:

(Start: 30 @6745 has 453 MA's), (Start: 36 @6760 has 5 MA's), (83, 6841), (91, 6856), (102, 6907), (105, 6916), (117, 6967), (157, 7072), (173, 7132), (213, 7228), (240, 7306), (241, 7309), (243, 7318), (251, 7363), (269, 7453), (270, 7456), (301, 7534), (305, 7546), (334, 7648), (348, 7708), (355, 7750), (357, 7762), (369, 7837), (374, 7861), (376, 7867), (383, 7894), (385, 7900), (388, 7909), (404, 7942), (412, 7972), (543, 8314), (547, 8323), (548, 8326), (569, 8389), (584, 8449), (585, 8452), (589, 8461), (617, 8575), (626, 8599), (639, 8626),

Gene: Hyperion_21 Start: 8813, Stop: 10639, Start Num: 41

Candidate Starts for Hyperion_21:

(Start: 41 @8813 has 55 MA's), (105, 8963), (144, 9098), (165, 9137), (191, 9215), (207, 9233), (256, 9383), (259, 9398), (269, 9455), (312, 9572), (316, 9581), (349, 9716), (356, 9761), (357, 9767), (360,

9779), (369, 9839), (411, 9968), (412, 9974), (416, 10001), (440, 10100), (462, 10145), (557, 10340), (566, 10376), (573, 10394), (587, 10439),

Gene: ImtiyazSitla_8 Start: 4438, Stop: 6357, Start Num: 30

Candidate Starts for ImtiyazSitla_8:

(Start: 30 @4438 has 453 MA's), (Start: 85 @4549 has 7 MA's), (Start: 93 @4564 has 1 MA's), (119, 4675), (165, 4807), (172, 4831), (173, 4837), (180, 4861), (224, 4975), (242, 5026), (267, 5152), (268, 5155), (269, 5167), (272, 5176), (274, 5188), (298, 5251), (302, 5260), (315, 5296), (321, 5314), (324, 5323), (334, 5371), (354, 5467), (355, 5473), (363, 5509), (369, 5557), (374, 5581), (429, 5776), (459, 5869), (569, 6121), (584, 6181), (603, 6256), (617, 6298), (622, 6310),

Gene: Imvubu_5 Start: 3537, Stop: 5456, Start Num: 30

Candidate Starts for Imvubu_5:

(Start: 30 @3537 has 453 MA's), (Start: 78 @3618 has 11 MA's), (105, 3708), (128, 3798), (150, 3858), (154, 3870), (165, 3909), (194, 4002), (220, 4071), (222, 4077), (232, 4107), (234, 4110), (243, 4137), (251, 4182), (269, 4272), (270, 4275), (274, 4293), (321, 4410), (324, 4419), (329, 4449), (334, 4467), (355, 4569), (363, 4605), (378, 4689), (386, 4719), (387, 4722), (422, 4851), (427, 4863), (499, 5028), (530, 5133), (585, 5283), (590, 5307), (605, 5361), (608, 5370), (622, 5409), (635, 5442),

Gene: Inchworm_8 Start: 4438, Stop: 6357, Start Num: 30

Candidate Starts for Inchworm_8:

(Start: 30 @4438 has 453 MA's), (Start: 36 @4453 has 5 MA's), (Start: 85 @4549 has 7 MA's), (Start: 93 @4564 has 1 MA's), (119, 4675), (165, 4807), (172, 4831), (173, 4837), (175, 4849), (180, 4861), (242, 5026), (267, 5152), (268, 5155), (269, 5167), (272, 5176), (274, 5188), (298, 5251), (302, 5260), (315, 5296), (321, 5314), (324, 5323), (334, 5371), (354, 5467), (355, 5473), (363, 5509), (369, 5557), (374, 5581), (429, 5776), (459, 5869), (569, 6121), (603, 6256), (617, 6298), (622, 6310),

Gene: Indlovu_9 Start: 6386, Stop: 8284, Start Num: 30

Candidate Starts for Indlovu_9:

(Start: 30 @6386 has 453 MA's), (109, 6608), (117, 6638), (126, 6668), (141, 6716), (150, 6737), (173, 6818), (225, 6929), (234, 6956), (243, 6983), (251, 7028), (305, 7211), (331, 7304), (334, 7313), (347, 7364), (355, 7415), (357, 7427), (369, 7502), (374, 7526), (383, 7559), (448, 7787), (461, 7817), (546, 7988), (559, 8012), (584, 8108), (589, 8120), (608, 8198), (612, 8213), (639, 8276),

Gene: Inspectinfecti_14 Start: 7478, Stop: 9112, Start Num: 7

Candidate Starts for Inspectinfecti_14:

(Start: 7 @7478 has 114 MA's), (9, 7505), (11, 7514), (Start: 22 @7550 has 3 MA's), (Start: 38 @7592 has 1 MA's), (49, 7616), (Start: 78 @7673 has 11 MA's), (88, 7706), (100, 7751), (106, 7781), (108, 7790), (116, 7814), (119, 7829), (149, 7910), (166, 7967), (203, 8027), (208, 8039), (213, 8057), (227, 8099), (251, 8189), (256, 8207), (259, 8222), (261, 8228), (271, 8282), (280, 8303), (320, 8363), (321, 8366), (334, 8423), (337, 8447), (349, 8498), (356, 8543), (360, 8561), (364, 8582), (374, 8645), (380, 8666), (384, 8681), (405, 8732), (428, 8837), (431, 8858), (439, 8888), (449, 8906), (474, 8972), (484, 8993), (506, 9047),

Gene: Inverness_8 Start: 4458, Stop: 6362, Start Num: 36

Candidate Starts for Inverness_8:

(Start: 30 @4443 has 453 MA's), (Start: 36 @4458 has 5 MA's), (Start: 85 @4554 has 7 MA's), (Start: 93 @4569 has 1 MA's), (119, 4680), (165, 4812), (172, 4836), (173, 4842), (175, 4854), (180, 4866), (242, 5031), (267, 5157), (268, 5160), (269, 5172), (272, 5181), (274, 5193), (298, 5256), (302, 5265), (315, 5301), (321, 5319), (324, 5328), (334, 5376), (354, 5472), (355, 5478), (363, 5514), (369, 5562), (374, 5586), (429, 5781), (459, 5874), (569, 6126), (603, 6261), (617, 6303), (622, 6315),

Gene: Iridessa_8 Start: 4440, Stop: 6359, Start Num: 30

Candidate Starts for Iridessa_8:

(Start: 30 @4440 has 453 MA's), (Start: 85 @4551 has 7 MA's), (Start: 93 @4566 has 1 MA's), (119, 4677), (165, 4809), (172, 4833), (173, 4839), (175, 4851), (180, 4863), (242, 5028), (267, 5154), (268, 5157), (269, 5169), (272, 5178), (274, 5190), (298, 5253), (302, 5262), (315, 5298), (321, 5316), (324, 5325), (334, 5373), (354, 5469), (355, 5475), (363, 5511), (369, 5559), (374, 5583), (429, 5778), (459, 5871), (569, 6123), (603, 6258), (617, 6300), (622, 6312),

Gene: Iridoclysis_8 Start: 4445, Stop: 6364, Start Num: 30

Candidate Starts for Iridoclysis_8:

(Start: 30 @4445 has 453 MA's), (Start: 36 @4460 has 5 MA's), (Start: 85 @4556 has 7 MA's), (Start: 93 @4571 has 1 MA's), (119, 4682), (165, 4814), (172, 4838), (173, 4844), (175, 4856), (180, 4868), (242, 5033), (267, 5159), (268, 5162), (269, 5174), (272, 5183), (274, 5195), (298, 5258), (302, 5267), (315, 5303), (321, 5321), (324, 5330), (334, 5378), (354, 5474), (355, 5480), (363, 5516), (369, 5564), (374, 5588), (429, 5783), (459, 5876), (569, 6128), (603, 6263), (617, 6305), (622, 6317),

Gene: IsaacEli_8 Start: 4438, Stop: 6357, Start Num: 30

Candidate Starts for IsaacEli_8:

(Start: 30 @4438 has 453 MA's), (Start: 36 @4453 has 5 MA's), (Start: 85 @4549 has 7 MA's), (Start: 93 @4564 has 1 MA's), (119, 4675), (165, 4807), (172, 4831), (173, 4837), (175, 4849), (180, 4861), (242, 5026), (267, 5152), (268, 5155), (269, 5167), (272, 5176), (274, 5188), (298, 5251), (302, 5260), (315, 5296), (321, 5314), (324, 5323), (334, 5371), (354, 5467), (355, 5473), (363, 5509), (369, 5557), (374, 5581), (429, 5776), (459, 5869), (569, 6121), (603, 6256), (617, 6298), (622, 6310),

Gene: ItsyBitsy1_12 Start: 7719, Stop: 9608, Start Num: 30

Candidate Starts for ItsyBitsy1_12:

(Start: 30 @7719 has 453 MA's), (54, 7767), (65, 7791), (Start: 78 @7809 has 11 MA's), (Start: 92 @7842 has 2 MA's), (117, 7950), (150, 8034), (168, 8097), (178, 8133), (199, 8184), (213, 8217), (241, 8295), (243, 8304), (251, 8349), (269, 8439), (270, 8442), (272, 8448), (274, 8460), (279, 8475), (285, 8487), (319, 8571), (326, 8604), (330, 8622), (343, 8667), (355, 8736), (357, 8748), (369, 8823), (374, 8847), (376, 8853), (383, 8880), (387, 8892), (391, 8898), (404, 8928), (405, 8931), (412, 8958), (425, 9024), (427, 9033), (448, 9108), (463, 9144), (496, 9189), (553, 9327), (555, 9330), (559, 9342), (583, 9429), (585, 9438), (589, 9447), (590, 9462), (597, 9492), (603, 9510), (608, 9525), (617, 9552), (622, 9564), (639, 9600),

Gene: JAMaL_8 Start: 6274, Stop: 8166, Start Num: 30

Candidate Starts for JAMaL_8:

(Start: 30 @6274 has 453 MA's), (Start: 78 @6355 has 11 MA's), (91, 6385), (94, 6394), (102, 6436), (105, 6445), (120, 6505), (154, 6592), (157, 6601), (173, 6661), (179, 6682), (196, 6721), (213, 6757), (240, 6835), (241, 6838), (243, 6847), (251, 6892), (269, 6982), (270, 6985), (298, 7057), (301, 7063), (302, 7066), (305, 7075), (324, 7129), (330, 7165), (334, 7177), (336, 7192), (348, 7237), (355, 7279), (357, 7291), (373, 7387), (374, 7390), (376, 7396), (383, 7423), (385, 7429), (412, 7501), (449, 7654), (499, 7744), (543, 7846), (547, 7855), (548, 7858), (568, 7915), (569, 7921), (585, 7984), (589, 7993), (617, 8107), (629, 8137), (639, 8158),

Gene: JDog_8 Start: 4440, Stop: 6359, Start Num: 30

Candidate Starts for JDog_8:

(Start: 30 @4440 has 453 MA's), (Start: 85 @4551 has 7 MA's), (Start: 93 @4566 has 1 MA's), (119, 4677), (165, 4809), (172, 4833), (173, 4839), (175, 4851), (180, 4863), (242, 5028), (267, 5154), (268, 5157), (269, 5169), (272, 5178), (274, 5190), (298, 5253), (302, 5262), (315, 5298), (321, 5316), (324, 5325), (334, 5373), (354, 5469), (355, 5475), (363, 5511), (369, 5559), (374, 5583), (429, 5778), (459, 5871), (569, 6123), (603, 6258), (617, 6300), (622, 6312),

Gene: JKSyngboy_11 Start: 6783, Stop: 8414, Start Num: 7

Candidate Starts for JKSyngboy_11:

(Start: 7 @6783 has 114 MA's), (Start: 46 @6906 has 20 MA's), (58, 6927), (81, 6984), (100, 7047), (126, 7140), (133, 7167), (208, 7335), (238, 7422), (246, 7461), (251, 7485), (256, 7503), (259, 7518), (261, 7524), (273, 7587), (320, 7659), (324, 7671), (328, 7698), (334, 7719), (343, 7764), (349, 7794), (356, 7839), (359, 7854), (360, 7857), (365, 7893), (374, 7941), (377, 7950), (411, 8049), (420, 8106), (426, 8124), (431, 8154), (434, 8172), (453, 8211), (457, 8217), (464, 8232), (472, 8253), (474, 8259), (496, 8298),

Gene: Jabberwocky_11 Start: 6945, Stop: 8567, Start Num: 7

Candidate Starts for Jabberwocky_11:

(Start: 7 @6945 has 114 MA's), (Start: 46 @7065 has 20 MA's), (71, 7104), (81, 7143), (100, 7206), (126, 7299), (133, 7326), (149, 7365), (208, 7494), (227, 7554), (247, 7623), (251, 7644), (256, 7662), (259, 7677), (261, 7683), (273, 7746), (316, 7806), (320, 7818), (328, 7857), (331, 7869), (334, 7878), (339, 7911), (343, 7923), (349, 7953), (356, 7998), (359, 8013), (360, 8016), (365, 8052), (374, 8100), (377, 8109), (384, 8136), (431, 8313), (453, 8370), (457, 8376), (464, 8391), (472, 8412), (474, 8418), (496, 8454), (505, 8481),

Gene: JacAttac_8 Start: 4438, Stop: 6357, Start Num: 30

Candidate Starts for JacAttac_8:

(Start: 30 @4438 has 453 MA's), (Start: 36 @4453 has 5 MA's), (Start: 85 @4549 has 7 MA's), (Start: 93 @4564 has 1 MA's), (119, 4675), (165, 4807), (172, 4831), (173, 4837), (175, 4849), (180, 4861), (242, 5026), (267, 5152), (268, 5155), (269, 5167), (272, 5176), (274, 5188), (298, 5251), (302, 5260), (315, 5296), (321, 5314), (324, 5323), (334, 5371), (354, 5467), (355, 5473), (363, 5509), (369, 5557), (374, 5581), (429, 5776), (459, 5869), (569, 6121), (603, 6256), (617, 6298), (622, 6310),

Gene: Jackstina_10 Start: 6231, Stop: 8135, Start Num: 30

Candidate Starts for Jackstina_10:

(Start: 30 @6231 has 453 MA's), (39, 6258), (84, 6339), (102, 6402), (119, 6468), (128, 6501), (168, 6609), (198, 6699), (224, 6777), (243, 6834), (253, 6888), (269, 6969), (274, 6990), (285, 7017), (308, 7068), (310, 7077), (315, 7086), (355, 7263), (357, 7275), (369, 7350), (374, 7374), (380, 7395), (411, 7479), (440, 7617), (448, 7635), (459, 7662), (473, 7686), (555, 7851), (558, 7860), (585, 7965), (589, 7974), (594, 8001), (622, 8091), (632, 8115), (639, 8127),

Gene: JaguarMi_10 Start: 6572, Stop: 8458, Start Num: 30

Candidate Starts for JaguarMi_10:

(Start: 30 @6572 has 453 MA's), (Start: 36 @6587 has 5 MA's), (83, 6668), (91, 6683), (102, 6734), (105, 6743), (117, 6794), (157, 6899), (173, 6959), (213, 7055), (240, 7133), (241, 7136), (243, 7145), (251, 7190), (269, 7280), (270, 7283), (301, 7361), (305, 7373), (315, 7400), (334, 7475), (348, 7535), (355, 7577), (357, 7589), (361, 7604), (374, 7688), (376, 7694), (383, 7721), (385, 7727), (388, 7736), (404, 7769), (543, 8138), (547, 8147), (548, 8150), (557, 8165), (569, 8213), (585, 8276), (589, 8285), (617, 8399), (635, 8444), (639, 8450),

Gene: JakeO_8 Start: 4440, Stop: 6359, Start Num: 30

Candidate Starts for JakeO_8:

(Start: 30 @4440 has 453 MA's), (Start: 85 @4551 has 7 MA's), (Start: 93 @4566 has 1 MA's), (119, 4677), (165, 4809), (172, 4833), (173, 4839), (175, 4851), (180, 4863), (242, 5028), (267, 5154), (268, 5157), (269, 5169), (272, 5178), (274, 5190), (298, 5253), (302, 5262), (315, 5298), (321, 5316), (324, 5325), (334, 5373), (354, 5469), (355, 5475), (363, 5511), (369, 5559), (374, 5583), (429, 5778), (459, 5871), (569, 6123), (603, 6258), (617, 6300), (622, 6312),

Gene: Jambalaya_12 Start: 5267, Stop: 6853, Start Num: 7

Candidate Starts for Jambalaya_12:

(Start: 7 @5267 has 114 MA's), (42, 5381), (108, 5549), (150, 5669), (156, 5687), (159, 5702), (230, 5852), (242, 5882), (253, 5942), (254, 5945), (265, 5984), (280, 6056), (320, 6116), (321, 6119), (322, 6122), (329, 6158), (331, 6167), (333, 6173), (334, 6176), (349, 6239), (356, 6284), (363, 6314), (369, 6362), (384, 6419), (391, 6440), (396, 6446), (404, 6467), (405, 6470), (412, 6497), (420, 6548), (431, 6596),

Gene: JangoPhett_8 Start: 4439, Stop: 6358, Start Num: 30

Candidate Starts for JangoPhett_8:

(Start: 30 @4439 has 453 MA's), (Start: 36 @4454 has 5 MA's), (Start: 85 @4550 has 7 MA's), (Start: 93 @4565 has 1 MA's), (119, 4676), (165, 4808), (172, 4832), (173, 4838), (175, 4850), (180, 4862), (242, 5027), (267, 5153), (268, 5156), (269, 5168), (272, 5177), (274, 5189), (298, 5252), (302, 5261), (315, 5297), (321, 5315), (324, 5324), (334, 5372), (354, 5468), (355, 5474), (363, 5510), (369, 5558), (374, 5582), (429, 5777), (459, 5870), (569, 6122), (603, 6257), (617, 6299), (622, 6311),

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

Candidate Starts for Jayden_20:

(1, 7835), (Start: 12 @7979 has 40 MA's), (Start: 14 @7988 has 16 MA's), (Start: 55 @8084 has 4 MA's), (69, 8108), (101, 8213), (105, 8225), (128, 8324), (133, 8342), (151, 8396), (157, 8414), (171, 8465), (172, 8468), (185, 8507), (193, 8519), (204, 8537), (211, 8555), (213, 8564), (225, 8600), (243, 8663), (256, 8726), (263, 8753), (269, 8798), (320, 8900), (321, 8903), (334, 8960), (343, 8993), (351, 9032), (363, 9098), (364, 9107), (365, 9122), (369, 9146), (371, 9158), (386, 9212), (388, 9218), (398, 9248), (433, 9401), (447, 9437), (455, 9461), (456, 9464), (463, 9485), (470, 9506), (519, 9629), (523, 9641), (529, 9653), (537, 9680),

Gene: Jbug01_8 Start: 4551, Stop: 6359, Start Num: 85

Candidate Starts for Jbug01_8:

(Start: 30 @4440 has 453 MA's), (Start: 85 @4551 has 7 MA's), (Start: 93 @4566 has 1 MA's), (119, 4677), (165, 4809), (172, 4833), (173, 4839), (175, 4851), (180, 4863), (242, 5028), (267, 5154), (268, 5157), (269, 5169), (272, 5178), (274, 5190), (298, 5253), (302, 5262), (315, 5298), (321, 5316), (324, 5325), (334, 5373), (354, 5469), (355, 5475), (363, 5511), (369, 5559), (374, 5583), (429, 5778), (459, 5871), (569, 6123), (603, 6258), (617, 6300), (622, 6312),

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

Candidate Starts for Jefe_20:

(Start: 12 @8418 has 40 MA's), (Start: 14 @8427 has 16 MA's), (66, 8541), (69, 8547), (101, 8652), (105, 8664), (129, 8769), (133, 8781), (151, 8835), (157, 8853), (172, 8907), (180, 8937), (204, 8976), (211, 8994), (213, 9003), (225, 9039), (243, 9102), (256, 9165), (263, 9192), (320, 9339), (321, 9342), (329, 9381), (334, 9399), (351, 9471), (363, 9537), (364, 9546), (377, 9618), (386, 9651), (388, 9657), (398, 9687), (404, 9702), (433, 9840), (437, 9855), (447, 9876), (448, 9879),

Gene: Jehoshaphat_24 Start: 9365, Stop: 11191, Start Num: 41

Candidate Starts for Jehoshaphat_24:

(Start: 41 @9365 has 55 MA's), (105, 9515), (144, 9650), (165, 9689), (191, 9767), (207, 9785), (256, 9935), (259, 9950), (269, 10007), (291, 10076), (312, 10124), (316, 10133), (349, 10268), (356, 10313), (357, 10319), (360, 10331), (369, 10391), (411, 10520), (412, 10526), (416, 10553), (440, 10652), (462, 10697), (557, 10892), (566, 10928), (573, 10946), (587, 10991),

Gene: JellyBelly_8 Start: 5358, Stop: 7151, Start Num: 55

Candidate Starts for JellyBelly_8:

(Start: 30 @5310 has 453 MA's), (Start: 55 @5358 has 4 MA's), (Start: 92 @5424 has 2 MA's), (101, 5466), (119, 5535), (168, 5661), (173, 5679), (215, 5760), (241, 5832), (251, 5886), (259, 5919), (269, 5976), (270, 5979), (274, 5997), (289, 6042), (297, 6063), (330, 6174), (334, 6186), (336, 6201), (347, 6237), (355, 6288), (357, 6300), (369, 6375), (374, 6399), (384, 6435), (387, 6444), (404, 6480), (410,

6501), (553, 6867), (557, 6876), (558, 6879), (579, 6951), (580, 6957), (585, 6978), (589, 6987), (606, 7059), (617, 7092), (622, 7104), (626, 7116), (632, 7128), (633, 7131),

Gene: Jeon_6 Start: 3322, Stop: 5196, Start Num: 21

Candidate Starts for Jeon_6:

(Start: 21 @3322 has 7 MA's), (Start: 30 @3340 has 453 MA's), (Start: 59 @3397 has 2 MA's), (109, 3535), (117, 3565), (135, 3619), (173, 3730), (220, 3859), (241, 3916), (243, 3925), (251, 3970), (256, 3988), (271, 4066), (272, 4069), (315, 4153), (323, 4177), (327, 4201), (355, 4330), (357, 4342), (363, 4366), (369, 4417), (383, 4474), (387, 4486), (432, 4660), (459, 4729), (579, 4981), (617, 5122), (622, 5134), (640, 5176),

Gene: Jesabah_8 Start: 4442, Stop: 6361, Start Num: 30

Candidate Starts for Jesabah_8:

(Start: 30 @4442 has 453 MA's), (Start: 85 @4553 has 7 MA's), (Start: 93 @4568 has 1 MA's), (119, 4679), (165, 4811), (172, 4835), (173, 4841), (175, 4853), (180, 4865), (242, 5030), (267, 5156), (268, 5159), (269, 5171), (272, 5180), (274, 5192), (298, 5255), (302, 5264), (315, 5300), (321, 5318), (324, 5327), (334, 5375), (354, 5471), (355, 5477), (363, 5513), (369, 5561), (374, 5585), (429, 5780), (459, 5873), (569, 6125), (603, 6260), (617, 6302), (622, 6314),

Gene: Jillium_8 Start: 4441, Stop: 6360, Start Num: 30

Candidate Starts for Jillium_8:

(Start: 30 @4441 has 453 MA's), (Start: 36 @4456 has 5 MA's), (Start: 85 @4552 has 7 MA's), (Start: 93 @4567 has 1 MA's), (119, 4678), (165, 4810), (172, 4834), (173, 4840), (175, 4852), (180, 4864), (242, 5029), (267, 5155), (268, 5158), (269, 5170), (272, 5179), (274, 5191), (298, 5254), (302, 5263), (315, 5299), (321, 5317), (324, 5326), (334, 5374), (354, 5470), (355, 5476), (363, 5512), (369, 5560), (374, 5584), (429, 5779), (459, 5872), (569, 6124), (603, 6259), (617, 6301), (622, 6313),

Gene: Jiminy_8 Start: 4440, Stop: 6359, Start Num: 30

Candidate Starts for Jiminy_8:

(Start: 30 @4440 has 453 MA's), (Start: 85 @4551 has 7 MA's), (Start: 93 @4566 has 1 MA's), (119, 4677), (165, 4809), (172, 4833), (173, 4839), (175, 4851), (180, 4863), (242, 5028), (267, 5154), (268, 5157), (269, 5169), (272, 5178), (274, 5190), (298, 5253), (302, 5262), (315, 5298), (321, 5316), (324, 5325), (334, 5373), (354, 5469), (355, 5475), (363, 5511), (369, 5559), (374, 5583), (429, 5778), (459, 5871), (569, 6123), (603, 6258), (617, 6300), (622, 6312),

Gene: Jiraiya_8 Start: 4440, Stop: 6359, Start Num: 30

Candidate Starts for Jiraiya_8:

(Start: 30 @4440 has 453 MA's), (Start: 85 @4551 has 7 MA's), (Start: 93 @4566 has 1 MA's), (119, 4677), (165, 4809), (172, 4833), (173, 4839), (175, 4851), (180, 4863), (242, 5028), (267, 5154), (268, 5157), (269, 5169), (272, 5178), (274, 5190), (298, 5253), (302, 5262), (315, 5298), (321, 5316), (324, 5325), (334, 5373), (354, 5469), (355, 5475), (363, 5511), (369, 5559), (374, 5583), (429, 5778), (459, 5871), (569, 6123), (603, 6258), (617, 6300), (622, 6312),

Gene: JohnLord_7 Start: 3412, Stop: 5361, Start Num: 30

Candidate Starts for JohnLord_7:

(Start: 21 @3394 has 7 MA's), (Start: 30 @3412 has 453 MA's), (67, 3490), (Start: 78 @3520 has 11 MA's), (84, 3538), (117, 3661), (154, 3757), (157, 3766), (171, 3817), (208, 3916), (220, 3961), (241, 4021), (243, 4030), (251, 4075), (268, 4153), (271, 4171), (300, 4252), (306, 4273), (311, 4285), (315, 4294), (319, 4306), (330, 4357), (331, 4360), (340, 4393), (355, 4471), (357, 4483), (363, 4507), (373, 4579), (374, 4582), (404, 4663), (426, 4762), (431, 4792), (448, 4843), (554, 5077), (575, 5143), (577, 5152), (585, 5188), (590, 5212), (612, 5290), (617, 5302), (639, 5353), (640, 5356),

Gene: JohnPork_12 Start: 5515, Stop: 7101, Start Num: 7

Candidate Starts for JohnPork_12:

(Start: 7 @5515 has 114 MA's), (42, 5629), (108, 5797), (150, 5917), (156, 5935), (159, 5950), (230, 6100), (242, 6130), (253, 6190), (254, 6193), (265, 6232), (280, 6304), (320, 6364), (321, 6367), (322, 6370), (329, 6406), (331, 6415), (333, 6421), (334, 6424), (349, 6487), (356, 6532), (363, 6562), (369, 6610), (384, 6667), (391, 6688), (396, 6694), (404, 6715), (405, 6718), (412, 6745), (420, 6796), (431, 6844),

Gene: Jolie1_07 Start: 5208, Stop: 7124, Start Num: 30

Candidate Starts for Jolie1_07:

(Start: 30 @5208 has 453 MA's), (Start: 36 @5223 has 5 MA's), (Start: 85 @5310 has 7 MA's), (99, 5352), (101, 5367), (102, 5370), (105, 5379), (150, 5529), (173, 5610), (185, 5640), (205, 5688), (240, 5781), (241, 5784), (243, 5793), (251, 5838), (253, 5847), (269, 5928), (270, 5931), (274, 5949), (298, 6012), (305, 6030), (322, 6078), (334, 6132), (348, 6192), (355, 6234), (367, 6306), (369, 6321), (373, 6342), (383, 6378), (387, 6390), (404, 6426), (434, 6573), (444, 6594), (462, 6639), (494, 6705), (548, 6828), (564, 6867), (602, 7017), (603, 7020), (630, 7098),

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

Candidate Starts for Jollipop_20:

(Start: 12 @8736 has 40 MA's), (Start: 14 @8745 has 16 MA's), (20, 8760), (66, 8859), (69, 8865), (101, 8970), (105, 8982), (128, 9081), (129, 9087), (133, 9099), (151, 9153), (157, 9171), (172, 9225), (180, 9255), (204, 9294), (211, 9312), (213, 9321), (225, 9357), (243, 9420), (256, 9483), (263, 9510), (269, 9555), (320, 9657), (321, 9660), (329, 9699), (334, 9717), (351, 9789), (363, 9855), (364, 9864), (369, 9903), (377, 9936), (386, 9969), (388, 9975), (398, 10005), (433, 10158), (437, 10173), (447, 10194), (448, 10197), (524, 10401), (529, 10410),

Gene: Jollymon_41 Start: 18192, Stop: 20150, Start Num: 25

Candidate Starts for Jollymon_41:

(Start: 25 @18192 has 8 MA's), (44, 18237), (72, 18288), (80, 18315), (145, 18504), (213, 18663), (243, 18756), (258, 18831), (272, 18900), (274, 18912), (275, 18918), (302, 19020), (313, 19053), (331, 19125), (332, 19128), (340, 19158), (349, 19197), (357, 19248), (364, 19281), (403, 19425), (404, 19428), (412, 19458), (432, 19566), (446, 19602), (449, 19611), (511, 19746), (551, 19860), (578, 19950), (621, 20103), (634, 20142),

Gene: JoyceMaria_9 Start: 6748, Stop: 8637, Start Num: 30

Candidate Starts for JoyceMaria_9:

(Start: 30 @6748 has 453 MA's), (Start: 36 @6763 has 5 MA's), (83, 6844), (91, 6859), (102, 6910), (105, 6919), (117, 6970), (157, 7075), (173, 7135), (213, 7231), (240, 7309), (241, 7312), (243, 7321), (251, 7366), (269, 7456), (270, 7459), (301, 7537), (305, 7549), (334, 7651), (348, 7711), (355, 7753), (357, 7765), (369, 7840), (374, 7864), (376, 7870), (383, 7897), (385, 7903), (388, 7912), (404, 7945), (412, 7975), (543, 8317), (547, 8326), (548, 8329), (569, 8392), (584, 8452), (585, 8455), (589, 8464), (617, 8578), (626, 8602), (639, 8629),

Gene: Judebell_24 Start: 8906, Stop: 10732, Start Num: 41

Candidate Starts for Judebell_24:

(Start: 41 @8906 has 55 MA's), (105, 9056), (144, 9191), (165, 9230), (191, 9308), (207, 9326), (256, 9476), (259, 9491), (269, 9548), (291, 9617), (312, 9665), (316, 9674), (349, 9809), (356, 9854), (357, 9860), (360, 9872), (369, 9932), (411, 10061), (412, 10067), (416, 10094), (440, 10193), (462, 10238), (557, 10433), (566, 10469), (573, 10487), (587, 10532),

Gene: KLUcky39_8 Start: 4441, Stop: 6360, Start Num: 30

Candidate Starts for KLUcky39_8:

(Start: 30 @4441 has 453 MA's), (Start: 85 @4552 has 7 MA's), (Start: 93 @4567 has 1 MA's), (119, 4678), (165, 4810), (172, 4834), (173, 4840), (175, 4852), (180, 4864), (242, 5029), (267, 5155), (268,

5158), (269, 5170), (272, 5179), (274, 5191), (298, 5254), (302, 5263), (315, 5299), (321, 5317), (324, 5326), (334, 5374), (354, 5470), (355, 5476), (363, 5512), (369, 5560), (374, 5584), (429, 5779), (459, 5872), (569, 6124), (603, 6259), (617, 6301), (622, 6313),

Gene: KSunshine22_70 Start: 29151, Stop: 30725, Start Num: 55

Candidate Starts for KSunshine22_70:

(Start: 26 @29091 has 9 MA's), (Start: 55 @29151 has 4 MA's), (172, 29508), (241, 29697), (243, 29706), (304, 29910), (320, 29958), (358, 30138), (373, 30225), (396, 30291), (400, 30303), (460, 30534), (504, 30621), (540, 30714),

Gene: Kahve_8 Start: 4441, Stop: 6360, Start Num: 30

Candidate Starts for Kahve_8:

(Start: 30 @4441 has 453 MA's), (Start: 36 @4456 has 5 MA's), (Start: 85 @4552 has 7 MA's), (Start: 93 @4567 has 1 MA's), (119, 4678), (165, 4810), (172, 4834), (173, 4840), (175, 4852), (180, 4864), (242, 5029), (267, 5155), (268, 5158), (269, 5170), (272, 5179), (274, 5191), (298, 5254), (302, 5263), (315, 5299), (321, 5317), (324, 5326), (334, 5374), (354, 5470), (355, 5476), (363, 5512), (369, 5560), (374, 5584), (429, 5779), (459, 5872), (569, 6124), (603, 6259), (617, 6301), (622, 6313),

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

Candidate Starts for KaiHaiDragon_20:

(Start: 12 @8344 has 40 MA's), (Start: 14 @8353 has 16 MA's), (20, 8368), (66, 8467), (69, 8473), (101, 8578), (105, 8590), (128, 8689), (129, 8695), (133, 8707), (151, 8761), (157, 8779), (172, 8833), (180, 8863), (204, 8902), (211, 8920), (213, 8929), (225, 8965), (243, 9028), (256, 9091), (263, 9118), (320, 9265), (321, 9268), (329, 9307), (351, 9397), (363, 9463), (364, 9472), (377, 9544), (386, 9577), (388, 9583), (398, 9613), (404, 9628), (433, 9766), (437, 9781), (447, 9802), (448, 9805),

Gene: Kailash_8 Start: 4438, Stop: 6357, Start Num: 30

Candidate Starts for Kailash_8:

(Start: 30 @4438 has 453 MA's), (Start: 85 @4549 has 7 MA's), (Start: 93 @4564 has 1 MA's), (119, 4675), (165, 4807), (172, 4831), (173, 4837), (180, 4861), (224, 4975), (242, 5026), (267, 5152), (268, 5155), (269, 5167), (272, 5176), (274, 5188), (298, 5251), (302, 5260), (315, 5296), (321, 5314), (324, 5323), (334, 5371), (354, 5467), (355, 5473), (363, 5509), (369, 5557), (374, 5581), (429, 5776), (459, 5869), (569, 6121), (584, 6181), (603, 6256), (617, 6298), (622, 6310),

Gene: Kaleb_12 Start: 7845, Stop: 9734, Start Num: 30

Candidate Starts for Kaleb_12:

(Start: 30 @7845 has 453 MA's), (54, 7893), (65, 7917), (Start: 78 @7935 has 11 MA's), (Start: 92 @7968 has 2 MA's), (117, 8076), (150, 8160), (168, 8223), (178, 8259), (199, 8310), (207, 8322), (213, 8343), (241, 8421), (243, 8430), (251, 8475), (269, 8565), (270, 8568), (272, 8574), (274, 8586), (279, 8601), (285, 8613), (319, 8697), (326, 8730), (330, 8748), (343, 8793), (355, 8862), (357, 8874), (369, 8949), (374, 8973), (376, 8979), (383, 9006), (387, 9018), (391, 9024), (404, 9054), (405, 9057), (412, 9084), (425, 9150), (427, 9159), (448, 9234), (463, 9270), (496, 9315), (553, 9453), (555, 9456), (559, 9468), (583, 9555), (585, 9564), (589, 9573), (590, 9588), (597, 9618), (603, 9636), (608, 9651), (617, 9678), (622, 9690), (639, 9726),

Gene: Kamashten_13 Start: 7104, Stop: 8729, Start Num: 7

Candidate Starts for Kamashten_13:

(Start: 7 @7104 has 114 MA's), (71, 7263), (81, 7302), (100, 7365), (133, 7485), (149, 7524), (208, 7653), (227, 7713), (247, 7782), (251, 7803), (256, 7821), (259, 7836), (261, 7842), (273, 7905), (316, 7965), (320, 7977), (328, 8016), (331, 8028), (334, 8037), (339, 8070), (343, 8082), (349, 8112), (356, 8157), (359, 8172), (360, 8175), (365, 8211), (374, 8259), (377, 8268), (384, 8295), (431, 8472), (453, 8529), (457, 8535), (464, 8550), (472, 8571), (474, 8577), (496, 8613), (505, 8643),

Gene: Kamiyu_11 Start: 6309, Stop: 8213, Start Num: 30

Candidate Starts for Kamiyu_11:

(Start: 30 @6309 has 453 MA's), (39, 6336), (84, 6417), (102, 6480), (119, 6546), (128, 6579), (168, 6687), (198, 6777), (224, 6855), (243, 6912), (253, 6966), (269, 7047), (274, 7068), (285, 7095), (308, 7146), (310, 7155), (315, 7164), (355, 7341), (357, 7353), (369, 7428), (374, 7452), (380, 7473), (411, 7557), (440, 7695), (448, 7713), (459, 7740), (473, 7764), (555, 7929), (558, 7938), (585, 8043), (589, 8052), (594, 8079), (622, 8169), (632, 8193), (639, 8205),

Gene: KarasumaRum_11 Start: 6863, Stop: 8728, Start Num: 30

Candidate Starts for KarasumaRum_11:

(Start: 30 @6863 has 453 MA's), (Start: 36 @6878 has 5 MA's), (101, 7016), (166, 7214), (169, 7226), (172, 7235), (225, 7352), (228, 7367), (243, 7406), (270, 7544), (274, 7562), (340, 7760), (348, 7796), (355, 7838), (369, 7925), (374, 7949), (383, 7982), (387, 7994), (392, 8006), (404, 8030), (448, 8210), (454, 8228), (539, 8408), (548, 8429), (559, 8450), (584, 8552), (598, 8612), (639, 8720), (640, 8723),

Gene: Karn_8 Start: 4551, Stop: 6359, Start Num: 85

Candidate Starts for Karn_8:

(Start: 30 @4440 has 453 MA's), (Start: 85 @4551 has 7 MA's), (Start: 93 @4566 has 1 MA's), (119, 4677), (165, 4809), (172, 4833), (173, 4839), (175, 4851), (180, 4863), (242, 5028), (267, 5154), (268, 5157), (269, 5169), (272, 5178), (274, 5190), (298, 5253), (302, 5262), (315, 5298), (321, 5316), (324, 5325), (334, 5373), (354, 5469), (355, 5475), (363, 5511), (369, 5559), (374, 5583), (429, 5778), (459, 5871), (569, 6123), (603, 6258), (617, 6300), (622, 6312),

Gene: Katniss_8 Start: 4553, Stop: 6361, Start Num: 85

Candidate Starts for Katniss_8:

(Start: 30 @4442 has 453 MA's), (Start: 36 @4457 has 5 MA's), (Start: 85 @4553 has 7 MA's), (Start: 93 @4568 has 1 MA's), (119, 4679), (165, 4811), (172, 4835), (173, 4841), (175, 4853), (180, 4865), (242, 5030), (267, 5156), (268, 5159), (269, 5171), (272, 5180), (274, 5192), (298, 5255), (302, 5264), (315, 5300), (321, 5318), (324, 5327), (334, 5375), (354, 5471), (355, 5477), (363, 5513), (369, 5561), (374, 5585), (429, 5780), (459, 5873), (569, 6125), (603, 6260), (617, 6302), (622, 6314),

Gene: KayaCho_7 Start: 5211, Stop: 7142, Start Num: 30

Candidate Starts for KayaCho_7:

(Start: 30 @5211 has 453 MA's), (Start: 36 @5226 has 5 MA's), (Start: 85 @5313 has 7 MA's), (101, 5370), (102, 5373), (150, 5532), (179, 5634), (185, 5643), (205, 5691), (241, 5787), (251, 5841), (253, 5850), (269, 5931), (270, 5934), (274, 5952), (298, 6015), (305, 6033), (322, 6081), (348, 6195), (355, 6237), (367, 6309), (369, 6324), (373, 6345), (383, 6381), (387, 6393), (404, 6429), (434, 6576), (462, 6642), (494, 6708), (548, 6846), (562, 6876), (564, 6885), (569, 6903), (602, 7035), (603, 7038), (630, 7116),

Gene: Keitabear_13 Start: 8156, Stop: 9778, Start Num: 7

Candidate Starts for Keitabear_13:

(Start: 7 @8156 has 114 MA's), (Start: 46 @8276 has 20 MA's), (71, 8315), (Start: 78 @8336 has 11 MA's), (81, 8354), (100, 8417), (126, 8510), (133, 8537), (149, 8576), (208, 8705), (227, 8765), (247, 8834), (251, 8855), (256, 8873), (259, 8888), (261, 8894), (273, 8957), (316, 9017), (320, 9029), (328, 9068), (331, 9080), (334, 9089), (339, 9122), (343, 9134), (349, 9164), (356, 9209), (359, 9224), (360, 9227), (365, 9263), (374, 9311), (377, 9320), (384, 9347), (431, 9524), (453, 9581), (457, 9587), (464, 9602), (472, 9623), (474, 9629), (496, 9665), (505, 9692),

Gene: Keitherie_8 Start: 4437, Stop: 6356, Start Num: 30

Candidate Starts for Keitherie_8:

(Start: 30 @4437 has 453 MA's), (Start: 36 @4452 has 5 MA's), (Start: 85 @4548 has 7 MA's), (Start: 93 @4563 has 1 MA's), (119, 4674), (165, 4806), (172, 4830), (173, 4836), (175, 4848), (180, 4860),

(224, 4974), (242, 5025), (267, 5151), (268, 5154), (269, 5166), (272, 5175), (274, 5187), (298, 5250), (302, 5259), (315, 5295), (321, 5313), (324, 5322), (334, 5370), (354, 5466), (355, 5472), (363, 5508), (369, 5556), (374, 5580), (429, 5775), (459, 5868), (569, 6120), (603, 6255), (617, 6297), (622, 6309),

Gene: Kelcole_20 Start: 7743, Stop: 9542, Start Num: 41

Candidate Starts for Kelcole_20:

(Start: 41 @7743 has 55 MA's), (91, 7842), (139, 8007), (165, 8058), (173, 8088), (207, 8154), (284, 8421), (299, 8466), (328, 8553), (340, 8598), (348, 8634), (356, 8682), (357, 8688), (360, 8700), (365, 8736), (369, 8760), (411, 8895), (433, 9003), (438, 9024), (480, 9105), (491, 9114), (550, 9225), (557, 9243), (566, 9279), (589, 9345), (606, 9414), (613, 9447), (640, 9522),

Gene: Kewpiedoll_13 Start: 6506, Stop: 8128, Start Num: 7

Candidate Starts for Kewpiedoll_13:

(Start: 7 @6506 has 114 MA's), (Start: 46 @6626 has 20 MA's), (71, 6665), (81, 6704), (100, 6767), (126, 6860), (133, 6887), (149, 6926), (208, 7055), (227, 7115), (247, 7184), (251, 7205), (256, 7223), (259, 7238), (261, 7244), (273, 7307), (316, 7367), (320, 7379), (328, 7418), (331, 7430), (334, 7439), (339, 7472), (343, 7484), (349, 7514), (356, 7559), (359, 7574), (360, 7577), (365, 7613), (374, 7661), (377, 7670), (384, 7697), (431, 7874), (453, 7931), (457, 7937), (464, 7952), (472, 7973), (474, 7979), (496, 8015), (505, 8042),

Gene: Khan1_8 Start: 4440, Stop: 6359, Start Num: 30

Candidate Starts for Khan1_8:

(Start: 30 @4440 has 453 MA's), (Start: 85 @4551 has 7 MA's), (Start: 93 @4566 has 1 MA's), (119, 4677), (165, 4809), (172, 4833), (173, 4839), (175, 4851), (180, 4863), (242, 5028), (267, 5154), (268, 5157), (269, 5169), (272, 5178), (274, 5190), (298, 5253), (302, 5262), (315, 5298), (321, 5316), (324, 5325), (334, 5373), (354, 5469), (355, 5475), (363, 5511), (369, 5559), (374, 5583), (429, 5778), (459, 5871), (569, 6123), (603, 6258), (617, 6300), (622, 6312),

Gene: Kheth_12 Start: 7728, Stop: 9617, Start Num: 30

Candidate Starts for Kheth_12:

(Start: 30 @7728 has 453 MA's), (54, 7776), (65, 7800), (Start: 78 @7818 has 11 MA's), (Start: 92 @7851 has 2 MA's), (117, 7959), (150, 8043), (168, 8106), (178, 8142), (199, 8193), (207, 8205), (213, 8226), (241, 8304), (243, 8313), (251, 8358), (269, 8448), (270, 8451), (272, 8457), (274, 8469), (279, 8484), (285, 8496), (319, 8580), (326, 8613), (330, 8631), (343, 8676), (355, 8745), (357, 8757), (369, 8832), (374, 8856), (376, 8862), (383, 8889), (387, 8901), (391, 8907), (404, 8937), (405, 8940), (412, 8967), (425, 9033), (427, 9042), (448, 9117), (463, 9153), (496, 9198), (553, 9336), (555, 9339), (559, 9351), (583, 9438), (585, 9447), (589, 9456), (590, 9471), (597, 9501), (603, 9519), (608, 9534), (617, 9561), (622, 9573), (639, 9609),

Gene: Kikipoo_8 Start: 4438, Stop: 6357, Start Num: 30

Candidate Starts for Kikipoo_8:

(Start: 30 @4438 has 453 MA's), (Start: 36 @4453 has 5 MA's), (Start: 85 @4549 has 7 MA's), (Start: 93 @4564 has 1 MA's), (119, 4675), (165, 4807), (172, 4831), (173, 4837), (175, 4849), (180, 4861), (242, 5026), (267, 5152), (268, 5155), (269, 5167), (272, 5176), (274, 5188), (298, 5251), (302, 5260), (315, 5296), (321, 5314), (324, 5323), (334, 5371), (354, 5467), (355, 5473), (363, 5509), (369, 5557), (374, 5581), (429, 5776), (459, 5869), (569, 6121), (603, 6256), (617, 6298), (622, 6310),

Gene: KillerQueen_22 Start: 7559, Stop: 9358, Start Num: 41

Candidate Starts for KillerQueen_22:

(Start: 41 @7559 has 55 MA's), (91, 7658), (139, 7823), (165, 7874), (173, 7904), (207, 7970), (284, 8237), (299, 8282), (328, 8369), (340, 8414), (348, 8450), (356, 8498), (357, 8504), (360, 8516), (365, 8552), (369, 8576), (411, 8711), (433, 8819), (438, 8840), (480, 8921), (491, 8930), (550, 9041), (557, 9059), (566, 9095), (589, 9161), (606, 9230), (613, 9263), (640, 9338),

Gene: Kimbrough_8 Start: 4441, Stop: 6360, Start Num: 30

Candidate Starts for Kimbrough_8:

(Start: 30 @4441 has 453 MA's), (Start: 36 @4456 has 5 MA's), (Start: 85 @4552 has 7 MA's), (Start: 93 @4567 has 1 MA's), (119, 4678), (165, 4810), (172, 4834), (173, 4840), (175, 4852), (180, 4864), (242, 5029), (267, 5155), (268, 5158), (269, 5170), (272, 5179), (274, 5191), (298, 5254), (302, 5263), (315, 5299), (321, 5317), (324, 5326), (334, 5374), (354, 5470), (355, 5476), (363, 5512), (369, 5560), (374, 5584), (429, 5779), (459, 5872), (569, 6124), (603, 6259), (617, 6301), (622, 6313),

Gene: KimmyK_12 Start: 5583, Stop: 7169, Start Num: 7

Candidate Starts for KimmyK_12:

(Start: 7 @5583 has 114 MA's), (101, 5835), (108, 5865), (149, 5982), (156, 6003), (159, 6018), (240, 6192), (249, 6234), (253, 6258), (254, 6261), (265, 6300), (280, 6372), (320, 6432), (321, 6435), (322, 6438), (329, 6474), (331, 6483), (333, 6489), (334, 6492), (349, 6555), (356, 6600), (363, 6630), (369, 6678), (384, 6735), (391, 6756), (404, 6783), (405, 6786), (412, 6813), (420, 6864), (431, 6912),

Gene: KingTut_8 Start: 4442, Stop: 6361, Start Num: 30

Candidate Starts for KingTut_8:

(Start: 30 @4442 has 453 MA's), (Start: 36 @4457 has 5 MA's), (Start: 85 @4553 has 7 MA's), (Start: 93 @4568 has 1 MA's), (119, 4679), (165, 4811), (172, 4835), (173, 4841), (175, 4853), (180, 4865), (242, 5030), (267, 5156), (268, 5159), (269, 5171), (272, 5180), (274, 5192), (298, 5255), (302, 5264), (315, 5300), (321, 5318), (324, 5327), (334, 5375), (354, 5471), (355, 5477), (363, 5513), (369, 5561), (374, 5585), (429, 5780), (459, 5873), (569, 6125), (603, 6260), (617, 6302), (622, 6314),

Gene: KingVeVeVe_8 Start: 4442, Stop: 6361, Start Num: 30

Candidate Starts for KingVeVeVe_8:

(Start: 30 @4442 has 453 MA's), (Start: 85 @4553 has 7 MA's), (Start: 93 @4568 has 1 MA's), (119, 4679), (165, 4811), (172, 4835), (173, 4841), (175, 4853), (180, 4865), (242, 5030), (267, 5156), (268, 5159), (269, 5171), (272, 5180), (274, 5192), (298, 5255), (302, 5264), (315, 5300), (321, 5318), (324, 5327), (334, 5375), (354, 5471), (355, 5477), (363, 5513), (369, 5561), (374, 5585), (429, 5780), (459, 5873), (569, 6125), (603, 6260), (617, 6302), (622, 6314),

Gene: KingstonB_39 Start: 17700, Stop: 19658, Start Num: 25

Candidate Starts for KingstonB_39:

(Start: 25 @17700 has 8 MA's), (44, 17745), (72, 17796), (80, 17823), (145, 18012), (213, 18171), (243, 18264), (258, 18339), (272, 18408), (274, 18420), (275, 18426), (302, 18528), (313, 18561), (331, 18633), (332, 18636), (340, 18666), (349, 18705), (364, 18789), (403, 18933), (404, 18936), (412, 18966), (432, 19074), (446, 19110), (449, 19119), (511, 19254), (551, 19368), (571, 19437), (578, 19458), (621, 19611), (634, 19650),

Gene: Kithara_22 Start: 9733, Stop: 11709, Start Num: 35

Candidate Starts for Kithara_22:

(Start: 35 @9733 has 1 MA's), (54, 9775), (87, 9859), (96, 9877), (103, 9922), (110, 9949), (158, 10093), (162, 10108), (170, 10135), (180, 10177), (186, 10195), (202, 10231), (243, 10366), (270, 10504), (274, 10522), (281, 10540), (284, 10543), (312, 10606), (317, 10618), (324, 10639), (330, 10675), (332, 10681), (334, 10687), (356, 10795), (357, 10801), (407, 11002), (433, 11125), (437, 11143), (512, 11281), (540, 11359), (566, 11437), (581, 11485), (589, 11503), (596, 11548), (620, 11638), (634, 11683),

Gene: Kiwot_8 Start: 4551, Stop: 6359, Start Num: 85

Candidate Starts for Kiwot_8:

(Start: 30 @4440 has 453 MA's), (Start: 85 @4551 has 7 MA's), (Start: 93 @4566 has 1 MA's), (119, 4677), (165, 4809), (172, 4833), (173, 4839), (175, 4851), (180, 4863), (242, 5028), (267, 5154), (268,

5157), (269, 5169), (272, 5178), (274, 5190), (298, 5253), (302, 5262), (315, 5298), (321, 5316), (324, 5325), (334, 5373), (354, 5469), (355, 5475), (363, 5511), (369, 5559), (374, 5583), (429, 5778), (459, 5871), (569, 6123), (603, 6258), (617, 6300), (622, 6312),

Gene: KlimbOn_8 Start: 4441, Stop: 6360, Start Num: 30

Candidate Starts for KlimbOn_8:

(Start: 30 @4441 has 453 MA's), (Start: 36 @4456 has 5 MA's), (Start: 85 @4552 has 7 MA's), (Start: 93 @4567 has 1 MA's), (119, 4678), (165, 4810), (172, 4834), (173, 4840), (175, 4852), (180, 4864), (242, 5029), (267, 5155), (268, 5158), (269, 5170), (272, 5179), (274, 5191), (298, 5254), (302, 5263), (315, 5299), (321, 5317), (324, 5326), (334, 5374), (354, 5470), (355, 5476), (363, 5512), (369, 5560), (374, 5584), (429, 5779), (459, 5872), (569, 6124), (603, 6259), (617, 6301), (622, 6313),

Gene: Kloppinator_8 Start: 4439, Stop: 6358, Start Num: 30

Candidate Starts for Kloppinator_8:

(Start: 30 @4439 has 453 MA's), (Start: 36 @4454 has 5 MA's), (Start: 85 @4550 has 7 MA's), (Start: 93 @4565 has 1 MA's), (119, 4676), (165, 4808), (172, 4832), (173, 4838), (175, 4850), (180, 4862), (242, 5027), (267, 5153), (268, 5156), (269, 5168), (272, 5177), (274, 5189), (298, 5252), (302, 5261), (315, 5297), (321, 5315), (324, 5324), (334, 5372), (354, 5468), (355, 5474), (363, 5510), (369, 5558), (374, 5582), (429, 5777), (459, 5870), (569, 6122), (603, 6257), (617, 6299), (622, 6311),

Gene: Klocker_14 Start: 9188, Stop: 11104, Start Num: 30

Candidate Starts for Klocker_14:

(Start: 30 @9188 has 453 MA's), (39, 9212), (Start: 78 @9269 has 11 MA's), (94, 9305), (105, 9356), (106, 9365), (116, 9398), (119, 9413), (132, 9461), (150, 9506), (160, 9542), (194, 9650), (206, 9668), (220, 9707), (243, 9773), (251, 9818), (257, 9839), (266, 9875), (269, 9908), (270, 9911), (274, 9929), (276, 9935), (298, 9983), (301, 9989), (302, 9992), (305, 10001), (310, 10019), (328, 10082), (329, 10085), (330, 10091), (350, 10169), (355, 10205), (356, 10211), (363, 10241), (369, 10289), (387, 10358), (427, 10499), (434, 10541), (461, 10604), (467, 10613), (474, 10631), (547, 10796), (558, 10817), (577, 10889), (584, 10922), (585, 10925), (589, 10934), (590, 10949), (593, 10958), (605, 11003), (606, 11006), (608, 11012), (612, 11027), (619, 11042), (622, 11051), (626, 11063), (630, 11075), (632, 11081),

Gene: Kolhan_12 Start: 7728, Stop: 9617, Start Num: 30

Candidate Starts for Kolhan_12:

(Start: 30 @7728 has 453 MA's), (54, 7776), (65, 7800), (Start: 78 @7818 has 11 MA's), (Start: 92 @7851 has 2 MA's), (117, 7959), (150, 8043), (168, 8106), (178, 8142), (199, 8193), (213, 8226), (241, 8304), (243, 8313), (251, 8358), (269, 8448), (270, 8451), (272, 8457), (274, 8469), (279, 8484), (285, 8496), (319, 8580), (326, 8613), (330, 8631), (343, 8676), (355, 8745), (357, 8757), (369, 8832), (374, 8856), (376, 8862), (383, 8889), (387, 8901), (391, 8907), (404, 8937), (405, 8940), (412, 8967), (425, 9033), (427, 9042), (448, 9117), (463, 9153), (496, 9198), (553, 9336), (555, 9339), (559, 9351), (583, 9438), (585, 9447), (589, 9456), (590, 9471), (597, 9501), (603, 9519), (608, 9534), (617, 9561), (622, 9573), (639, 9609),

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

Candidate Starts for Kowalski_19:

(Start: 12 @8475 has 40 MA's), (Start: 14 @8484 has 16 MA's), (66, 8598), (69, 8604), (101, 8709), (105, 8721), (128, 8820), (129, 8826), (133, 8838), (151, 8892), (157, 8910), (172, 8964), (180, 8994), (204, 9033), (211, 9051), (213, 9060), (225, 9096), (243, 9159), (256, 9222), (263, 9249), (320, 9396), (321, 9399), (329, 9438), (334, 9456), (351, 9528), (363, 9594), (364, 9603), (377, 9675), (386, 9708), (388, 9714), (398, 9744), (404, 9759), (433, 9897), (437, 9912), (447, 9933), (448, 9936),

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

Candidate Starts for Kozie_14:

(Start: 12 @7110 has 40 MA's), (Start: 14 @7119 has 16 MA's), (49, 7200), (82, 7275), (101, 7341), (105, 7353), (106, 7362), (111, 7380), (128, 7452), (151, 7524), (159, 7554), (171, 7593), (172, 7596), (187, 7650), (193, 7677), (204, 7695), (208, 7704), (211, 7713), (213, 7722), (221, 7746), (232, 7779), (239, 7800), (241, 7806), (263, 7905), (269, 7950), (320, 8052), (334, 8112), (338, 8127), (351, 8184), (364, 8259), (369, 8298), (388, 8370), (391, 8379), (438, 8574), (447, 8592), (448, 8595), (464, 8643), (471, 8664), (480, 8688), (487, 8694), (498, 8712), (523, 8805),

Gene: Kronus_10 Start: 6924, Stop: 8825, Start Num: 30

Candidate Starts for Kronus_10:

(Start: 30 @6924 has 453 MA's), (39, 6951), (84, 7032), (102, 7095), (119, 7161), (128, 7194), (168, 7302), (198, 7392), (224, 7470), (243, 7527), (253, 7581), (269, 7662), (274, 7683), (285, 7710), (308, 7761), (310, 7770), (315, 7779), (355, 7956), (357, 7968), (369, 8043), (374, 8067), (380, 8088), (411, 8172), (440, 8310), (448, 8328), (459, 8355), (473, 8379), (555, 8541), (558, 8550), (585, 8655), (589, 8664), (594, 8691), (603, 8727), (622, 8781), (623, 8784), (632, 8805), (639, 8817),

Gene: Kroos_12 Start: 6436, Stop: 8064, Start Num: 7

Candidate Starts for Kroos_12:

(Start: 7 @6436 has 114 MA's), (Start: 46 @6559 has 20 MA's), (58, 6580), (81, 6637), (100, 6700), (106, 6730), (126, 6793), (133, 6820), (150, 6862), (208, 6988), (238, 7075), (246, 7114), (251, 7138), (256, 7156), (259, 7171), (261, 7177), (273, 7240), (320, 7312), (328, 7351), (343, 7417), (349, 7447), (356, 7492), (359, 7507), (360, 7510), (365, 7546), (374, 7594), (377, 7603), (384, 7630), (396, 7657), (411, 7702), (420, 7759), (426, 7777), (431, 7807), (434, 7825), (453, 7864), (457, 7870), (464, 7885), (472, 7906), (474, 7912), (496, 7948), (506, 7981),

Gene: Kubulix_23 Start: 9444, Stop: 11330, Start Num: 46

Candidate Starts for Kubulix_23:

(Start: 46 @9444 has 20 MA's), (50, 9453), (71, 9492), (109, 9615), (115, 9633), (130, 9684), (139, 9708), (172, 9783), (253, 10026), (320, 10218), (357, 10392), (360, 10404), (393, 10554), (411, 10605), (416, 10638), (417, 10644), (425, 10677), (433, 10713), (442, 10740), (461, 10779), (474, 10800), (479, 10812), (573, 11076), (608, 11193), (634, 11289),

Gene: Kwadwo_8 Start: 4441, Stop: 6360, Start Num: 30

Candidate Starts for Kwadwo_8:

(Start: 30 @4441 has 453 MA's), (Start: 36 @4456 has 5 MA's), (Start: 85 @4552 has 7 MA's), (Start: 93 @4567 has 1 MA's), (119, 4678), (165, 4810), (172, 4834), (173, 4840), (175, 4852), (180, 4864), (242, 5029), (267, 5155), (268, 5158), (269, 5170), (272, 5179), (274, 5191), (298, 5254), (302, 5263), (315, 5299), (321, 5317), (324, 5326), (334, 5374), (354, 5470), (355, 5476), (363, 5512), (369, 5560), (374, 5584), (429, 5779), (459, 5872), (569, 6124), (603, 6259), (617, 6301), (622, 6313),

Gene: Kwekel_13 Start: 5795, Stop: 7471, Start Num: 7

Candidate Starts for Kwekel_13:

(Start: 7 @5795 has 114 MA's), (37, 5906), (49, 5933), (61, 5963), (100, 6092), (106, 6122), (129, 6200), (163, 6299), (204, 6371), (208, 6380), (214, 6401), (227, 6440), (251, 6530), (256, 6548), (259, 6563), (261, 6569), (280, 6644), (320, 6704), (321, 6707), (334, 6764), (349, 6839), (356, 6884), (364, 6923), (369, 6962), (374, 6986), (380, 7007), (384, 7022), (388, 7034), (405, 7073), (431, 7199), (439, 7229), (484, 7334),

Gene: Kwksand96_8 Start: 4438, Stop: 6357, Start Num: 30

Candidate Starts for Kwksand96_8:

(Start: 30 @4438 has 453 MA's), (Start: 85 @4549 has 7 MA's), (Start: 93 @4564 has 1 MA's), (119, 4675), (165, 4807), (172, 4831), (173, 4837), (180, 4861), (224, 4975), (242, 5026), (267, 5152), (268, 5155), (269, 5167), (272, 5176), (274, 5188), (298, 5251), (302, 5260), (315, 5296), (321, 5314), (324, 5323), (334, 5371), (354, 5467), (355, 5473), (363, 5509), (369, 5557), (374, 5581), (429, 5776), (459,

5869), (569, 6121), (584, 6181), (603, 6256), (617, 6298), (622, 6310),

Gene: Kwobi_12 Start: 6275, Stop: 7903, Start Num: 7

Candidate Starts for Kwobi_12:

(Start: 7 @6275 has 114 MA's), (Start: 46 @6398 has 20 MA's), (58, 6419), (81, 6476), (100, 6539), (106, 6569), (126, 6632), (133, 6659), (208, 6827), (238, 6914), (246, 6953), (251, 6977), (256, 6995), (259, 7010), (261, 7016), (273, 7079), (320, 7151), (328, 7190), (343, 7256), (349, 7286), (356, 7331), (359, 7346), (360, 7349), (365, 7385), (374, 7433), (377, 7442), (384, 7469), (396, 7496), (411, 7541), (426, 7616), (431, 7646), (434, 7664), (453, 7703), (457, 7709), (464, 7724), (472, 7745), (474, 7751), (496, 7787), (506, 7820),

Gene: Kyva_24 Start: 9157, Stop: 10983, Start Num: 41

Candidate Starts for Kyva_24:

(Start: 41 @9157 has 55 MA's), (105, 9307), (144, 9442), (165, 9481), (191, 9559), (207, 9577), (256, 9727), (259, 9742), (269, 9799), (312, 9916), (316, 9925), (349, 10060), (356, 10105), (357, 10111), (360, 10123), (369, 10183), (411, 10312), (412, 10318), (416, 10345), (440, 10444), (462, 10489), (557, 10684), (566, 10720), (573, 10738), (587, 10783),

Gene: Labeouficaum_8 Start: 4438, Stop: 6357, Start Num: 30

Candidate Starts for Labeouficaum_8:

(Start: 30 @4438 has 453 MA's), (Start: 85 @4549 has 7 MA's), (Start: 93 @4564 has 1 MA's), (119, 4675), (165, 4807), (172, 4831), (173, 4837), (180, 4861), (224, 4975), (242, 5026), (267, 5152), (268, 5155), (269, 5167), (272, 5176), (274, 5188), (298, 5251), (302, 5260), (315, 5296), (321, 5314), (324, 5323), (334, 5371), (354, 5467), (355, 5473), (363, 5509), (369, 5557), (374, 5581), (429, 5776), (459, 5869), (569, 6121), (584, 6181), (603, 6256), (617, 6298), (622, 6310),

Gene: Lambano_8 Start: 5643, Stop: 7532, Start Num: 30

Candidate Starts for Lambano_8:

(Start: 30 @5643 has 453 MA's), (83, 5739), (91, 5754), (102, 5805), (105, 5814), (117, 5865), (120, 5874), (157, 5970), (173, 6030), (213, 6126), (241, 6207), (251, 6261), (269, 6351), (270, 6354), (301, 6432), (305, 6444), (334, 6546), (348, 6606), (355, 6648), (357, 6660), (369, 6735), (374, 6759), (376, 6765), (383, 6792), (385, 6798), (404, 6840), (412, 6870), (543, 7212), (547, 7221), (548, 7224), (568, 7281), (584, 7347), (585, 7350), (589, 7359), (617, 7473), (635, 7518), (639, 7524),

Gene: Lars_12 Start: 7845, Stop: 9734, Start Num: 30

Candidate Starts for Lars_12:

(Start: 30 @7845 has 453 MA's), (54, 7893), (65, 7917), (Start: 78 @7935 has 11 MA's), (Start: 92 @7968 has 2 MA's), (117, 8076), (150, 8160), (168, 8223), (178, 8259), (199, 8310), (207, 8322), (213, 8343), (241, 8421), (243, 8430), (251, 8475), (269, 8565), (270, 8568), (272, 8574), (274, 8586), (279, 8601), (285, 8613), (319, 8697), (326, 8730), (330, 8748), (343, 8793), (355, 8862), (357, 8874), (369, 8949), (374, 8973), (376, 8979), (383, 9006), (387, 9018), (391, 9024), (404, 9054), (405, 9057), (412, 9084), (425, 9150), (427, 9159), (448, 9234), (463, 9270), (496, 9315), (553, 9453), (555, 9456), (559, 9468), (583, 9555), (585, 9564), (589, 9573), (590, 9588), (597, 9618), (603, 9636), (608, 9651), (617, 9678), (622, 9690), (639, 9726),

Gene: Larson_9 Start: 4551, Stop: 6359, Start Num: 85

Candidate Starts for Larson_9:

(Start: 30 @4440 has 453 MA's), (Start: 36 @4455 has 5 MA's), (Start: 85 @4551 has 7 MA's), (Start: 93 @4566 has 1 MA's), (119, 4677), (165, 4809), (172, 4833), (173, 4839), (175, 4851), (180, 4863), (242, 5028), (267, 5154), (268, 5157), (269, 5169), (272, 5178), (274, 5190), (298, 5253), (302, 5262), (315, 5298), (321, 5316), (324, 5325), (334, 5373), (354, 5469), (355, 5475), (363, 5511), (369, 5559), (374, 5583), (429, 5778), (459, 5871), (569, 6123), (603, 6258), (617, 6300), (622, 6312),

Gene: LasagnaCat_8 Start: 4438, Stop: 6357, Start Num: 30

Candidate Starts for LasagnaCat_8:

(Start: 30 @4438 has 453 MA's), (Start: 36 @4453 has 5 MA's), (Start: 85 @4549 has 7 MA's), (Start: 93 @4564 has 1 MA's), (119, 4675), (165, 4807), (172, 4831), (173, 4837), (175, 4849), (180, 4861), (242, 5026), (267, 5152), (268, 5155), (269, 5167), (272, 5176), (274, 5188), (298, 5251), (302, 5260), (315, 5296), (321, 5314), (324, 5323), (334, 5371), (354, 5467), (355, 5473), (363, 5509), (369, 5557), (374, 5581), (429, 5776), (459, 5869), (569, 6121), (603, 6256), (617, 6298), (622, 6310),

Gene: Lasso_8 Start: 4441, Stop: 6360, Start Num: 30

Candidate Starts for Lasso_8:

(Start: 30 @4441 has 453 MA's), (Start: 36 @4456 has 5 MA's), (Start: 85 @4552 has 7 MA's), (Start: 93 @4567 has 1 MA's), (119, 4678), (165, 4810), (172, 4834), (173, 4840), (175, 4852), (180, 4864), (242, 5029), (267, 5155), (268, 5158), (269, 5170), (272, 5179), (274, 5191), (298, 5254), (302, 5263), (315, 5299), (321, 5317), (324, 5326), (334, 5374), (354, 5470), (355, 5476), (363, 5512), (369, 5560), (374, 5584), (429, 5779), (459, 5872), (569, 6124), (603, 6259), (617, 6301), (622, 6313),

Gene: Laure_78 Start: 33903, Stop: 35429, Start Num: 79

Candidate Starts for Laure_78:

(28, 33795), (Start: 78 @33897 has 11 MA's), (79, 33903), (116, 34032), (124, 34062), (170, 34203), (172, 34209), (214, 34305), (253, 34461), (283, 34590), (301, 34608), (304, 34617), (320, 34665), (329, 34707), (331, 34716), (363, 34863), (378, 34947), (388, 34983), (405, 35031), (417, 35091), (437, 35187), (446, 35205), (451, 35220), (456, 35235), (466, 35259), (523, 35376), (540, 35418),

Gene: Laurie_12 Start: 7729, Stop: 9618, Start Num: 30

Candidate Starts for Laurie_12:

(Start: 30 @7729 has 453 MA's), (54, 7777), (65, 7801), (Start: 78 @7819 has 11 MA's), (Start: 92 @7852 has 2 MA's), (117, 7960), (165, 8095), (168, 8107), (178, 8143), (199, 8194), (241, 8305), (243, 8314), (251, 8359), (269, 8449), (270, 8452), (272, 8458), (274, 8470), (279, 8485), (285, 8497), (319, 8581), (326, 8614), (330, 8632), (343, 8677), (355, 8746), (357, 8758), (369, 8833), (374, 8857), (376, 8863), (383, 8890), (387, 8902), (391, 8908), (404, 8938), (405, 8941), (412, 8968), (425, 9034), (427, 9043), (448, 9118), (463, 9154), (496, 9199), (553, 9337), (555, 9340), (559, 9352), (583, 9439), (585, 9448), (589, 9457), (590, 9472), (597, 9502), (603, 9520), (608, 9535), (617, 9562), (622, 9574), (639, 9610),

Gene: LeeLot_8 Start: 4441, Stop: 6360, Start Num: 30

Candidate Starts for LeeLot_8:

(Start: 30 @4441 has 453 MA's), (Start: 36 @4456 has 5 MA's), (Start: 85 @4552 has 7 MA's), (Start: 93 @4567 has 1 MA's), (119, 4678), (165, 4810), (172, 4834), (173, 4840), (175, 4852), (180, 4864), (242, 5029), (267, 5155), (268, 5158), (269, 5170), (272, 5179), (274, 5191), (298, 5254), (302, 5263), (315, 5299), (321, 5317), (324, 5326), (334, 5374), (354, 5470), (355, 5476), (363, 5512), (369, 5560), (374, 5584), (429, 5779), (459, 5872), (569, 6124), (603, 6259), (617, 6301), (622, 6313),

Gene: Lego3393_8 Start: 4439, Stop: 6358, Start Num: 30

Candidate Starts for Lego3393_8:

(Start: 30 @4439 has 453 MA's), (Start: 36 @4454 has 5 MA's), (Start: 85 @4550 has 7 MA's), (Start: 93 @4565 has 1 MA's), (119, 4676), (165, 4808), (172, 4832), (173, 4838), (175, 4850), (180, 4862), (242, 5027), (267, 5153), (268, 5156), (269, 5168), (272, 5177), (274, 5189), (298, 5252), (302, 5261), (315, 5297), (321, 5315), (324, 5324), (334, 5372), (354, 5468), (355, 5474), (363, 5510), (369, 5558), (374, 5582), (429, 5777), (459, 5870), (569, 6122), (603, 6257), (617, 6299), (622, 6311),

Gene: Legolas_8 Start: 4442, Stop: 6361, Start Num: 30

Candidate Starts for Legolas_8:

(Start: 30 @4442 has 453 MA's), (Start: 36 @4457 has 5 MA's), (Start: 85 @4553 has 7 MA's), (Start: 93 @4568 has 1 MA's), (119, 4679), (165, 4811), (172, 4835), (173, 4841), (175, 4853), (180, 4865), (242, 5030), (267, 5156), (268, 5159), (269, 5171), (272, 5180), (274, 5192), (298, 5255), (302, 5264), (315, 5300), (321, 5318), (324, 5327), (334, 5375), (354, 5471), (355, 5477), (363, 5513), (369, 5561), (374, 5585), (429, 5780), (459, 5873), (569, 6125), (603, 6260), (617, 6302), (622, 6314),

Gene: Lehmann_9 Start: 4441, Stop: 6360, Start Num: 30

Candidate Starts for Lehmann_9:

(Start: 30 @4441 has 453 MA's), (Start: 36 @4456 has 5 MA's), (Start: 85 @4552 has 7 MA's), (Start: 93 @4567 has 1 MA's), (119, 4678), (165, 4810), (172, 4834), (173, 4840), (175, 4852), (180, 4864), (242, 5029), (267, 5155), (268, 5158), (269, 5170), (272, 5179), (274, 5191), (298, 5254), (302, 5263), (315, 5299), (321, 5317), (324, 5326), (334, 5374), (354, 5470), (355, 5476), (363, 5512), (369, 5560), (374, 5584), (429, 5779), (459, 5872), (569, 6124), (603, 6259), (617, 6301), (622, 6313),

Gene: LeiMonet_8 Start: 4437, Stop: 6356, Start Num: 30

Candidate Starts for LeiMonet_8:

(Start: 30 @4437 has 453 MA's), (Start: 85 @4548 has 7 MA's), (Start: 93 @4563 has 1 MA's), (119, 4674), (165, 4806), (172, 4830), (173, 4836), (175, 4848), (180, 4860), (242, 5025), (267, 5151), (268, 5154), (269, 5166), (272, 5175), (274, 5187), (298, 5250), (302, 5259), (315, 5295), (321, 5313), (324, 5322), (334, 5370), (354, 5466), (355, 5472), (363, 5508), (369, 5556), (374, 5580), (429, 5775), (459, 5868), (569, 6120), (603, 6255), (617, 6297), (622, 6309),

Gene: LemonSlice_8 Start: 4442, Stop: 6361, Start Num: 30

Candidate Starts for LemonSlice_8:

(Start: 30 @4442 has 453 MA's), (Start: 36 @4457 has 5 MA's), (Start: 85 @4553 has 7 MA's), (Start: 93 @4568 has 1 MA's), (119, 4679), (165, 4811), (172, 4835), (173, 4841), (175, 4853), (180, 4865), (242, 5030), (267, 5156), (268, 5159), (269, 5171), (272, 5180), (274, 5192), (298, 5255), (302, 5264), (315, 5300), (321, 5318), (324, 5327), (334, 5375), (354, 5471), (355, 5477), (363, 5513), (369, 5561), (374, 5585), (429, 5780), (459, 5873), (569, 6125), (603, 6260), (617, 6302), (622, 6314),

Gene: Lennon_13 Start: 7365, Stop: 8987, Start Num: 7

Candidate Starts for Lennon_13:

(Start: 7 @7365 has 114 MA's), (71, 7524), (81, 7563), (100, 7626), (133, 7746), (149, 7785), (204, 7905), (208, 7914), (227, 7974), (247, 8043), (251, 8064), (256, 8082), (259, 8097), (261, 8103), (273, 8166), (316, 8226), (320, 8238), (328, 8277), (331, 8289), (334, 8298), (339, 8331), (343, 8343), (349, 8373), (356, 8418), (359, 8433), (360, 8436), (365, 8472), (374, 8520), (377, 8529), (384, 8556), (431, 8733), (453, 8790), (457, 8796), (464, 8811), (472, 8832), (474, 8838), (496, 8874), (505, 8901),

Gene: LeoJr_75 Start: 31198, Stop: 32826, Start Num: 26

Candidate Starts for LeoJr_75:

(Start: 26 @31198 has 9 MA's), (116, 31438), (172, 31615), (243, 31813), (276, 31975), (304, 32017), (307, 32029), (320, 32065), (358, 32245), (373, 32332), (400, 32410), (460, 32641), (504, 32728), (523, 32776), (540, 32815),

Gene: Leonard_13 Start: 7073, Stop: 8707, Start Num: 7

Candidate Starts for Leonard_13:

(Start: 7 @7073 has 114 MA's), (9, 7100), (11, 7109), (Start: 22 @7145 has 3 MA's), (Start: 38 @7187 has 1 MA's), (49, 7211), (Start: 78 @7268 has 11 MA's), (88, 7301), (100, 7346), (106, 7376), (108, 7385), (116, 7409), (119, 7424), (149, 7505), (166, 7562), (203, 7622), (208, 7634), (213, 7652), (227, 7694), (251, 7784), (256, 7802), (259, 7817), (261, 7823), (271, 7877), (280, 7898), (320, 7958), (321, 7961), (334, 8018), (337, 8042), (349, 8093), (356, 8138), (360, 8156), (364, 8177), (374, 8240), (380, 8261), (384, 8276), (405, 8327), (428, 8432), (431, 8453), (439, 8483), (449, 8501), (474, 8567), (484, 8588), (506, 8642),

Gene: Lephleur_12 Start: 7728, Stop: 9617, Start Num: 30

Candidate Starts for Lephleur_12:

(Start: 30 @7728 has 453 MA's), (54, 7776), (65, 7800), (Start: 78 @7818 has 11 MA's), (Start: 92 @7851 has 2 MA's), (117, 7959), (150, 8043), (168, 8106), (178, 8142), (199, 8193), (207, 8205), (213, 8226), (241, 8304), (243, 8313), (251, 8358), (269, 8448), (270, 8451), (272, 8457), (274, 8469), (279, 8484), (285, 8496), (319, 8580), (326, 8613), (330, 8631), (343, 8676), (355, 8745), (357, 8757), (369, 8832), (374, 8856), (376, 8862), (383, 8889), (387, 8901), (391, 8907), (404, 8937), (405, 8940), (412, 8967), (425, 9033), (427, 9042), (448, 9117), (463, 9153), (496, 9198), (553, 9336), (555, 9339), (559, 9351), (583, 9438), (585, 9447), (589, 9456), (590, 9471), (597, 9501), (603, 9519), (608, 9534), (617, 9561), (622, 9573), (639, 9609),

Gene: LestyG_11 Start: 6318, Stop: 8222, Start Num: 30

Candidate Starts for LestyG_11:

(Start: 30 @6318 has 453 MA's), (39, 6345), (84, 6426), (102, 6489), (119, 6555), (128, 6588), (168, 6696), (198, 6786), (224, 6864), (243, 6921), (253, 6975), (269, 7056), (274, 7077), (285, 7104), (308, 7155), (310, 7164), (315, 7173), (355, 7350), (357, 7362), (369, 7437), (374, 7461), (380, 7482), (411, 7566), (440, 7704), (448, 7722), (459, 7749), (473, 7773), (555, 7938), (558, 7947), (585, 8052), (589, 8061), (594, 8088), (603, 8124), (622, 8178), (623, 8181), (632, 8202), (639, 8214),

Gene: Ligma_8 Start: 5351, Stop: 7141, Start Num: 55

Candidate Starts for Ligma_8:

(Start: 30 @5303 has 453 MA's), (Start: 55 @5351 has 4 MA's), (Start: 92 @5417 has 2 MA's), (101, 5459), (142, 5591), (168, 5654), (173, 5672), (241, 5825), (243, 5834), (251, 5879), (259, 5912), (269, 5969), (270, 5972), (274, 5990), (286, 6023), (297, 6050), (330, 6161), (334, 6173), (336, 6188), (355, 6275), (357, 6287), (369, 6362), (374, 6386), (384, 6422), (386, 6428), (387, 6431), (388, 6434), (404, 6467), (557, 6866), (558, 6869), (559, 6872), (579, 6941), (580, 6947), (585, 6968), (594, 7004), (606, 7049), (612, 7070), (622, 7094), (626, 7106), (632, 7118), (633, 7121),

Gene: LilCahh_21 Start: 8567, Stop: 10294, Start Num: 91

Candidate Starts for LilCahh_21:

(Start: 41 @8468 has 55 MA's), (91, 8567), (105, 8618), (144, 8753), (165, 8792), (191, 8870), (207, 8888), (256, 9038), (259, 9053), (269, 9110), (291, 9179), (312, 9227), (316, 9236), (349, 9371), (356, 9416), (357, 9422), (360, 9434), (369, 9494), (411, 9623), (412, 9629), (416, 9656), (440, 9755), (462, 9800), (557, 9995), (566, 10031), (573, 10049), (587, 10094),

Gene: LilHam_10 Start: 5591, Stop: 7219, Start Num: 7

Candidate Starts for LilHam_10:

(Start: 7 @5591 has 114 MA's), (Start: 46 @5714 has 20 MA's), (58, 5735), (81, 5792), (100, 5855), (106, 5885), (126, 5948), (133, 5975), (208, 6143), (238, 6230), (246, 6269), (251, 6293), (256, 6311), (259, 6326), (261, 6332), (273, 6395), (320, 6467), (328, 6506), (343, 6572), (349, 6602), (356, 6647), (359, 6662), (360, 6665), (365, 6701), (374, 6749), (377, 6758), (384, 6785), (396, 6812), (411, 6857), (426, 6932), (431, 6962), (434, 6980), (453, 7019), (457, 7025), (464, 7040), (472, 7061), (474, 7067), (496, 7103), (506, 7136),

Gene: LilMcDreamy_10 Start: 7470, Stop: 9329, Start Num: 30

Candidate Starts for LilMcDreamy_10:

(Start: 30 @7470 has 453 MA's), (101, 7614), (121, 7689), (128, 7713), (173, 7839), (225, 7950), (234, 7977), (243, 8004), (251, 8049), (259, 8082), (274, 8160), (298, 8214), (301, 8220), (334, 8334), (341, 8361), (355, 8436), (357, 8448), (369, 8523), (374, 8547), (383, 8580), (404, 8628), (440, 8790), (448, 8808), (454, 8826), (473, 8859), (552, 9033), (557, 9045), (568, 9087), (584, 9153), (593, 9189), (617, 9270),

Gene: LilSmirk_12 Start: 7728, Stop: 9617, Start Num: 30

Candidate Starts for LilSmirk_12:

(Start: 30 @7728 has 453 MA's), (54, 7776), (65, 7800), (Start: 78 @7818 has 11 MA's), (Start: 92 @7851 has 2 MA's), (117, 7959), (150, 8043), (168, 8106), (178, 8142), (199, 8193), (207, 8205), (213, 8226), (241, 8304), (243, 8313), (251, 8358), (269, 8448), (270, 8451), (272, 8457), (274, 8469), (279, 8484), (285, 8496), (319, 8580), (326, 8613), (330, 8631), (343, 8676), (355, 8745), (357, 8757), (369, 8832), (374, 8856), (376, 8862), (383, 8889), (387, 8901), (391, 8907), (404, 8937), (405, 8940), (412, 8967), (425, 9033), (427, 9042), (448, 9117), (463, 9153), (496, 9198), (553, 9336), (555, 9339), (559, 9351), (583, 9438), (585, 9447), (589, 9456), (590, 9471), (597, 9501), (603, 9519), (608, 9534), (617, 9561), (622, 9573), (639, 9609),

Gene: Lilbeanie_13 Start: 5278, Stop: 6954, Start Num: 6

Candidate Starts for Lilbeanie_13:

(Start: 6 @5278 has 1 MA's), (Start: 27 @5377 has 5 MA's), (50, 5437), (77, 5512), (Start: 78 @5515 has 11 MA's), (100, 5593), (149, 5752), (157, 5776), (167, 5812), (227, 5935), (230, 5944), (265, 6076), (280, 6148), (320, 6208), (321, 6211), (324, 6220), (334, 6268), (339, 6292), (340, 6295), (349, 6334), (363, 6409), (369, 6457), (383, 6514), (389, 6532), (405, 6568), (419, 6643), (425, 6661), (503, 6853),

Gene: LittleDigger_8 Start: 5644, Stop: 7533, Start Num: 30

Candidate Starts for LittleDigger_8:

(Start: 30 @5644 has 453 MA's), (83, 5740), (91, 5755), (102, 5806), (105, 5815), (117, 5866), (120, 5875), (157, 5971), (173, 6031), (213, 6127), (241, 6208), (251, 6262), (269, 6352), (270, 6355), (301, 6433), (305, 6445), (334, 6547), (348, 6607), (355, 6649), (357, 6661), (369, 6736), (374, 6760), (376, 6766), (383, 6793), (385, 6799), (404, 6841), (412, 6871), (543, 7213), (547, 7222), (548, 7225), (568, 7282), (569, 7288), (584, 7348), (585, 7351), (589, 7360), (617, 7474), (635, 7519), (639, 7525),

Gene: LittleFortune_21 Start: 8692, Stop: 10398, Start Num: 12

Candidate Starts for LittleFortune_21:

(Start: 12 @8692 has 40 MA's), (Start: 14 @8701 has 16 MA's), (20, 8716), (66, 8815), (69, 8821), (101, 8926), (105, 8938), (128, 9037), (129, 9043), (151, 9109), (157, 9127), (172, 9181), (180, 9211), (204, 9250), (211, 9268), (213, 9277), (225, 9313), (243, 9376), (256, 9439), (263, 9466), (269, 9511), (320, 9613), (321, 9616), (329, 9655), (334, 9673), (351, 9745), (363, 9811), (364, 9820), (369, 9859), (377, 9892), (386, 9925), (388, 9931), (398, 9961), (433, 10114), (437, 10129), (447, 10150), (448, 10153), (524, 10357), (529, 10366),

Gene: LittleMinkey_14 Start: 5767, Stop: 7686, Start Num: 30

Candidate Starts for LittleMinkey_14:

(Start: 30 @5767 has 453 MA's), (169, 6154), (180, 6193), (185, 6199), (203, 6244), (244, 6370), (253, 6418), (267, 6484), (268, 6487), (274, 6520), (291, 6568), (302, 6592), (305, 6601), (310, 6619), (324, 6655), (347, 6754), (363, 6841), (374, 6913), (379, 6928), (428, 7102), (465, 7216), (548, 7399), (585, 7525), (590, 7549), (602, 7594),

Gene: LittleMunchkin_9 Start: 6586, Stop: 8433, Start Num: 30

Candidate Starts for LittleMunchkin_9:

(Start: 30 @6586 has 453 MA's), (Start: 92 @6700 has 2 MA's), (101, 6742), (142, 6874), (166, 6928), (168, 6937), (243, 7120), (259, 7198), (269, 7255), (270, 7258), (274, 7276), (289, 7321), (330, 7459), (334, 7471), (336, 7486), (347, 7522), (355, 7573), (369, 7660), (384, 7720), (448, 7942), (553, 8149), (555, 8152), (557, 8158), (558, 8161), (579, 8233), (580, 8239), (585, 8260), (590, 8284), (606, 8341), (612, 8362), (616, 8371), (632, 8410), (633, 8413),

Gene: LizLemon_12 Start: 7845, Stop: 9734, Start Num: 30

Candidate Starts for LizLemon_12:

(Start: 30 @7845 has 453 MA's), (54, 7893), (65, 7917), (Start: 78 @7935 has 11 MA's), (Start: 92 @7968 has 2 MA's), (117, 8076), (150, 8160), (168, 8223), (178, 8259), (199, 8310), (207, 8322), (213, 8343), (241, 8421), (243, 8430), (251, 8475), (269, 8565), (270, 8568), (272, 8574), (274, 8586), (279, 8601), (285, 8613), (319, 8697), (326, 8730), (330, 8748), (343, 8793), (355, 8862), (357, 8874), (369, 8949), (374, 8973), (376, 8979), (383, 9006), (387, 9018), (391, 9024), (404, 9054), (405, 9057), (412, 9084), (425, 9150), (427, 9159), (448, 9234), (463, 9270), (496, 9315), (553, 9453), (555, 9456), (559, 9468), (583, 9555), (585, 9564), (589, 9573), (590, 9588), (597, 9618), (603, 9636), (608, 9651), (617, 9678), (622, 9690), (639, 9726),

Gene: Llemily_21 Start: 8141, Stop: 9967, Start Num: 41

Candidate Starts for Llemily_21:

(Start: 41 @8141 has 55 MA's), (105, 8291), (144, 8426), (165, 8465), (191, 8543), (207, 8561), (256, 8711), (259, 8726), (269, 8783), (291, 8852), (312, 8900), (316, 8909), (349, 9044), (356, 9089), (357, 9095), (360, 9107), (369, 9167), (411, 9296), (412, 9302), (416, 9329), (440, 9428), (462, 9473), (557, 9668), (566, 9704), (573, 9722), (587, 9767),

Gene: Lolalove_9 Start: 6745, Stop: 8634, Start Num: 30

Candidate Starts for Lolalove_9:

(Start: 30 @6745 has 453 MA's), (Start: 36 @6760 has 5 MA's), (83, 6841), (91, 6856), (102, 6907), (105, 6916), (117, 6967), (157, 7072), (173, 7132), (213, 7228), (240, 7306), (241, 7309), (243, 7318), (251, 7363), (269, 7453), (270, 7456), (301, 7534), (305, 7546), (334, 7648), (348, 7708), (355, 7750), (357, 7762), (369, 7837), (374, 7861), (376, 7867), (383, 7894), (385, 7900), (388, 7909), (404, 7942), (412, 7972), (543, 8314), (547, 8323), (548, 8326), (569, 8389), (584, 8449), (585, 8452), (589, 8461), (617, 8575), (626, 8599), (639, 8626),

Gene: Lonelysoil_21 Start: 8386, Stop: 10212, Start Num: 41

Candidate Starts for Lonelysoil_21:

(Start: 41 @8386 has 55 MA's), (105, 8536), (144, 8671), (165, 8710), (191, 8788), (207, 8806), (256, 8956), (259, 8971), (269, 9028), (291, 9097), (312, 9145), (316, 9154), (349, 9289), (356, 9334), (357, 9340), (360, 9352), (369, 9412), (411, 9541), (412, 9547), (416, 9574), (440, 9673), (462, 9718), (557, 9913), (566, 9949), (573, 9967), (587, 10012),

Gene: Longacauda_8 Start: 4440, Stop: 6359, Start Num: 30

Candidate Starts for Longacauda_8:

(Start: 30 @4440 has 453 MA's), (Start: 85 @4551 has 7 MA's), (Start: 93 @4566 has 1 MA's), (119, 4677), (165, 4809), (172, 4833), (173, 4839), (175, 4851), (180, 4863), (242, 5028), (267, 5154), (268, 5157), (269, 5169), (272, 5178), (274, 5190), (298, 5253), (302, 5262), (315, 5298), (321, 5316), (324, 5325), (334, 5373), (354, 5469), (355, 5475), (363, 5511), (369, 5559), (374, 5583), (429, 5778), (459, 5871), (569, 6123), (603, 6258), (617, 6300), (622, 6312),

Gene: Lopsy_8 Start: 4441, Stop: 6360, Start Num: 30

Candidate Starts for Lopsy_8:

(Start: 30 @4441 has 453 MA's), (Start: 36 @4456 has 5 MA's), (Start: 85 @4552 has 7 MA's), (Start: 93 @4567 has 1 MA's), (119, 4678), (165, 4810), (172, 4834), (173, 4840), (175, 4852), (180, 4864), (242, 5029), (267, 5155), (268, 5158), (269, 5170), (272, 5179), (274, 5191), (298, 5254), (302, 5263), (315, 5299), (321, 5317), (324, 5326), (334, 5374), (354, 5470), (355, 5476), (363, 5512), (369, 5560), (374, 5584), (429, 5779), (459, 5872), (569, 6124), (603, 6259), (617, 6301), (622, 6313),

Gene: LostAndPhound_8 Start: 4441, Stop: 6360, Start Num: 30

Candidate Starts for LostAndPhound_8:

(Start: 30 @4441 has 453 MA's), (Start: 36 @4456 has 5 MA's), (Start: 85 @4552 has 7 MA's), (Start: 93 @4567 has 1 MA's), (119, 4678), (165, 4810), (172, 4834), (173, 4840), (175, 4852), (180, 4864), (242, 5029), (267, 5155), (268, 5158), (269, 5170), (272, 5179), (274, 5191), (298, 5254), (302, 5263),

(315, 5299), (321, 5317), (324, 5326), (334, 5374), (354, 5470), (355, 5476), (363, 5512), (369, 5560), (374, 5584), (429, 5779), (459, 5872), (569, 6124), (603, 6259), (617, 6301), (622, 6313),

Gene: Love_14 Start: 7094, Stop: 8716, Start Num: 7

Candidate Starts for Love_14:

(Start: 7 @7094 has 114 MA's), (Start: 46 @7214 has 20 MA's), (71, 7253), (81, 7292), (100, 7355), (126, 7448), (133, 7475), (149, 7514), (204, 7634), (208, 7643), (227, 7703), (247, 7772), (251, 7793), (256, 7811), (259, 7826), (261, 7832), (273, 7895), (316, 7955), (320, 7967), (328, 8006), (331, 8018), (334, 8027), (343, 8072), (349, 8102), (356, 8147), (359, 8162), (360, 8165), (365, 8201), (374, 8249), (377, 8258), (384, 8285), (431, 8462), (453, 8519), (457, 8525), (464, 8540), (472, 8561), (474, 8567), (496, 8603), (505, 8630),

Gene: LuckyMarjie_8 Start: 4441, Stop: 6360, Start Num: 30

Candidate Starts for LuckyMarjie_8:

(Start: 30 @4441 has 453 MA's), (Start: 85 @4552 has 7 MA's), (Start: 93 @4567 has 1 MA's), (119, 4678), (165, 4810), (172, 4834), (173, 4840), (175, 4852), (180, 4864), (242, 5029), (267, 5155), (268, 5158), (269, 5170), (272, 5179), (274, 5191), (298, 5254), (302, 5263), (315, 5299), (321, 5317), (324, 5326), (334, 5374), (354, 5470), (355, 5476), (363, 5512), (369, 5560), (374, 5584), (429, 5779), (459, 5872), (569, 6124), (603, 6259), (617, 6301), (622, 6313),

Gene: Lucretia_20 Start: 8412, Stop: 10088, Start Num: 12

Candidate Starts for Lucretia_20:

(Start: 12 @8412 has 40 MA's), (Start: 14 @8421 has 16 MA's), (20, 8436), (66, 8535), (69, 8541), (101, 8646), (105, 8658), (128, 8757), (129, 8763), (133, 8775), (151, 8829), (157, 8847), (172, 8901), (180, 8931), (204, 8970), (211, 8988), (213, 8997), (225, 9033), (243, 9096), (256, 9159), (263, 9186), (320, 9333), (321, 9336), (329, 9375), (334, 9393), (351, 9465), (363, 9531), (364, 9540), (377, 9612), (386, 9645), (388, 9651), (398, 9681), (404, 9696), (433, 9834), (437, 9849), (447, 9870), (448, 9873),

Gene: Lulumae_8 Start: 4442, Stop: 6361, Start Num: 30

Candidate Starts for Lulumae_8:

(Start: 30 @4442 has 453 MA's), (Start: 85 @4553 has 7 MA's), (Start: 93 @4568 has 1 MA's), (119, 4679), (165, 4811), (172, 4835), (173, 4841), (175, 4853), (180, 4865), (242, 5030), (267, 5156), (268, 5159), (269, 5171), (272, 5180), (274, 5192), (298, 5255), (302, 5264), (315, 5300), (321, 5318), (324, 5327), (334, 5375), (354, 5471), (355, 5477), (363, 5513), (369, 5561), (374, 5585), (429, 5780), (459, 5873), (569, 6125), (603, 6260), (617, 6302), (622, 6314),

Gene: Lulwa_8 Start: 4441, Stop: 6360, Start Num: 30

Candidate Starts for Lulwa_8:

(Start: 30 @4441 has 453 MA's), (Start: 36 @4456 has 5 MA's), (Start: 85 @4552 has 7 MA's), (Start: 93 @4567 has 1 MA's), (119, 4678), (165, 4810), (172, 4834), (173, 4840), (175, 4852), (180, 4864), (242, 5029), (267, 5155), (268, 5158), (269, 5170), (272, 5179), (274, 5191), (298, 5254), (302, 5263), (315, 5299), (321, 5317), (324, 5326), (334, 5374), (354, 5470), (355, 5476), (363, 5512), (369, 5560), (374, 5584), (429, 5779), (459, 5872), (569, 6124), (603, 6259), (617, 6301), (622, 6313),

Gene: Lumine_8 Start: 4441, Stop: 6360, Start Num: 30

Candidate Starts for Lumine_8:

(Start: 30 @4441 has 453 MA's), (Start: 85 @4552 has 7 MA's), (Start: 93 @4567 has 1 MA's), (119, 4678), (165, 4810), (172, 4834), (173, 4840), (175, 4852), (180, 4864), (242, 5029), (267, 5155), (268, 5158), (269, 5170), (272, 5179), (274, 5191), (298, 5254), (302, 5263), (315, 5299), (321, 5317), (324, 5326), (334, 5374), (354, 5470), (355, 5476), (363, 5512), (369, 5560), (374, 5584), (429, 5779), (459, 5872), (569, 6124), (603, 6259), (617, 6301), (622, 6313),

Gene: MRabcd_8 Start: 4438, Stop: 6357, Start Num: 30

Candidate Starts for MRabcd_8:

(Start: 30 @4438 has 453 MA's), (Start: 36 @4453 has 5 MA's), (Start: 85 @4549 has 7 MA's), (Start: 93 @4564 has 1 MA's), (119, 4675), (165, 4807), (172, 4831), (173, 4837), (175, 4849), (180, 4861), (242, 5026), (267, 5152), (268, 5155), (269, 5167), (272, 5176), (274, 5188), (298, 5251), (302, 5260), (315, 5296), (321, 5314), (324, 5323), (334, 5371), (354, 5467), (355, 5473), (363, 5509), (369, 5557), (374, 5581), (429, 5776), (459, 5869), (569, 6121), (603, 6256), (617, 6298), (622, 6310),

Gene: Mag7_8 Start: 4438, Stop: 6357, Start Num: 30

Candidate Starts for Mag7_8:

(Start: 30 @4438 has 453 MA's), (Start: 85 @4549 has 7 MA's), (Start: 93 @4564 has 1 MA's), (119, 4675), (165, 4807), (172, 4831), (173, 4837), (180, 4861), (224, 4975), (242, 5026), (267, 5152), (268, 5155), (269, 5167), (272, 5176), (274, 5188), (298, 5251), (302, 5260), (315, 5296), (321, 5314), (324, 5323), (334, 5371), (354, 5467), (355, 5473), (363, 5509), (369, 5557), (374, 5581), (429, 5776), (459, 5869), (569, 6121), (584, 6181), (603, 6256), (617, 6298), (622, 6310),

Gene: Magic8_8 Start: 4438, Stop: 6357, Start Num: 30

Candidate Starts for Magic8_8:

(Start: 30 @4438 has 453 MA's), (Start: 36 @4453 has 5 MA's), (Start: 85 @4549 has 7 MA's), (Start: 93 @4564 has 1 MA's), (119, 4675), (165, 4807), (172, 4831), (173, 4837), (175, 4849), (180, 4861), (242, 5026), (267, 5152), (268, 5155), (269, 5167), (272, 5176), (274, 5188), (298, 5251), (302, 5260), (315, 5296), (321, 5314), (324, 5323), (334, 5371), (354, 5467), (355, 5473), (363, 5509), (369, 5557), (374, 5581), (429, 5776), (459, 5869), (569, 6121), (603, 6256), (617, 6298), (622, 6310),

Gene: Magpie_9 Start: 6903, Stop: 8792, Start Num: 30

Candidate Starts for Magpie_9:

(Start: 30 @6903 has 453 MA's), (Start: 36 @6918 has 5 MA's), (83, 6999), (91, 7014), (102, 7065), (105, 7074), (117, 7125), (157, 7230), (173, 7290), (213, 7386), (240, 7464), (241, 7467), (243, 7476), (251, 7521), (269, 7611), (270, 7614), (301, 7692), (305, 7704), (334, 7806), (348, 7866), (355, 7908), (357, 7920), (374, 8019), (376, 8025), (383, 8052), (385, 8058), (388, 8067), (404, 8100), (412, 8130), (543, 8472), (547, 8481), (564, 8523), (569, 8547), (584, 8607), (585, 8610), (589, 8619), (617, 8733), (635, 8778), (639, 8784),

Gene: Maih_10 Start: 8086, Stop: 9888, Start Num: 78

Candidate Starts for Maih_10:

(Start: 78 @8086 has 11 MA's), (114, 8212), (120, 8233), (124, 8245), (137, 8293), (154, 8332), (166, 8374), (173, 8401), (197, 8470), (206, 8491), (213, 8512), (240, 8590), (242, 8596), (243, 8602), (265, 8698), (272, 8746), (318, 8824), (329, 8869), (331, 8878), (340, 8911), (348, 8947), (370, 9079), (459, 9376), (476, 9412), (510, 9502), (519, 9535), (523, 9547), (549, 9598), (565, 9649), (570, 9667), (583, 9715), (584, 9721), (607, 9802), (618, 9832), (628, 9859), (638, 9877),

Gene: Makar_42 Start: 18159, Stop: 20129, Start Num: 25

Candidate Starts for Makar_42:

(Start: 25 @18159 has 8 MA's), (44, 18204), (72, 18255), (116, 18399), (144, 18471), (173, 18558), (213, 18633), (224, 18669), (243, 18726), (258, 18801), (274, 18882), (293, 18954), (294, 18957), (302, 18987), (313, 19020), (332, 19095), (340, 19125), (349, 19164), (357, 19215), (364, 19248), (377, 19320), (403, 19392), (404, 19395), (412, 19425), (428, 19503), (432, 19533), (449, 19578), (503, 19671), (527, 19779), (534, 19794), (551, 19836), (575, 19914), (588, 19965), (591, 19983), (626, 20094), (634, 20121),

Gene: MakoManhole_10 Start: 6780, Stop: 8627, Start Num: 30

Candidate Starts for MakoManhole_10:

(Start: 30 @6780 has 453 MA's), (Start: 92 @6894 has 2 MA's), (101, 6936), (117, 6999), (137, 7065), (178, 7170), (235, 7293), (237, 7299), (241, 7308), (243, 7317), (270, 7455), (274, 7473), (321, 7614),

(326, 7641), (330, 7659), (334, 7671), (347, 7722), (355, 7773), (369, 7860), (387, 7929), (448, 8142), (476, 8202), (480, 8211), (557, 8352), (558, 8355), (579, 8427), (580, 8433), (585, 8454), (598, 8511), (612, 8556), (617, 8568), (622, 8580), (626, 8592), (632, 8604), (633, 8607),

Gene: Mana_8 Start: 4441, Stop: 6360, Start Num: 30

Candidate Starts for Mana_8:

(Start: 30 @4441 has 453 MA's), (Start: 36 @4456 has 5 MA's), (Start: 85 @4552 has 7 MA's), (Start: 93 @4567 has 1 MA's), (119, 4678), (165, 4810), (172, 4834), (173, 4840), (175, 4852), (180, 4864), (242, 5029), (267, 5155), (268, 5158), (269, 5170), (272, 5179), (274, 5191), (298, 5254), (302, 5263), (315, 5299), (321, 5317), (324, 5326), (334, 5374), (354, 5470), (355, 5476), (363, 5512), (369, 5560), (374, 5584), (429, 5779), (459, 5872), (569, 6124), (603, 6259), (617, 6301), (622, 6313),

Gene: Manad_8 Start: 4442, Stop: 6361, Start Num: 30

Candidate Starts for Manad_8:

(Start: 30 @4442 has 453 MA's), (Start: 36 @4457 has 5 MA's), (Start: 85 @4553 has 7 MA's), (Start: 93 @4568 has 1 MA's), (119, 4679), (165, 4811), (172, 4835), (173, 4841), (175, 4853), (180, 4865), (242, 5030), (267, 5156), (268, 5159), (269, 5171), (272, 5180), (274, 5192), (298, 5255), (302, 5264), (315, 5300), (321, 5318), (324, 5327), (334, 5375), (354, 5471), (355, 5477), (363, 5513), (369, 5561), (374, 5585), (429, 5780), (459, 5873), (569, 6125), (603, 6260), (617, 6302), (622, 6314),

Gene: Mao1_6 Start: 4087, Stop: 6054, Start Num: 21

Candidate Starts for Mao1_6:

(Start: 21 @4087 has 7 MA's), (Start: 30 @4105 has 453 MA's), (67, 4183), (84, 4231), (117, 4354), (154, 4450), (157, 4459), (171, 4510), (208, 4609), (220, 4654), (241, 4714), (243, 4723), (251, 4768), (257, 4789), (268, 4846), (271, 4864), (300, 4945), (306, 4966), (311, 4978), (315, 4987), (319, 4999), (330, 5050), (331, 5053), (340, 5086), (355, 5164), (357, 5176), (363, 5200), (373, 5272), (374, 5275), (404, 5356), (426, 5455), (431, 5485), (448, 5536), (554, 5770), (575, 5836), (577, 5845), (585, 5881), (590, 5905), (612, 5983), (617, 5995), (639, 6046), (640, 6049),

Gene: Marcie_26 Start: 8457, Stop: 10256, Start Num: 41

Candidate Starts for Marcie_26:

(Start: 41 @8457 has 55 MA's), (121, 8670), (165, 8772), (173, 8802), (207, 8868), (284, 9135), (288, 9150), (292, 9168), (299, 9180), (328, 9267), (330, 9276), (340, 9312), (348, 9348), (356, 9396), (357, 9402), (360, 9414), (365, 9450), (369, 9474), (411, 9609), (433, 9717), (480, 9819), (491, 9828), (526, 9927), (550, 9939), (557, 9957), (566, 9993), (589, 10059), (606, 10128), (613, 10161), (638, 10230), (640, 10236),

Gene: Mareelih_76 Start: 30803, Stop: 32533, Start Num: 27

Candidate Starts for Mareelih_76:

(Start: 27 @30803 has 5 MA's), (71, 30881), (89, 30935), (95, 30947), (116, 31034), (119, 31049), (145, 31139), (168, 31214), (195, 31304), (248, 31499), (251, 31517), (252, 31520), (256, 31535), (259, 31550), (264, 31565), (267, 31592), (275, 31631), (342, 31802), (349, 31835), (357, 31886), (361, 31901), (363, 31910), (375, 31985), (376, 31988), (382, 32012), (438, 32237), (446, 32252), (456, 32282), (474, 32330), (480, 32345), (483, 32351),

Gene: Margaery_12 Start: 5952, Stop: 7694, Start Num: 14

Candidate Starts for Margaery_12:

(Start: 12 @5943 has 40 MA's), (Start: 14 @5952 has 16 MA's), (45, 6021), (49, 6033), (Start: 78 @6090 has 11 MA's), (82, 6105), (101, 6168), (105, 6180), (106, 6189), (111, 6207), (128, 6279), (159, 6381), (172, 6423), (187, 6474), (193, 6501), (199, 6507), (204, 6519), (208, 6528), (220, 6567), (221, 6570), (232, 6606), (239, 6627), (241, 6633), (243, 6642), (256, 6705), (263, 6732), (269, 6777), (320, 6879), (331, 6930), (343, 6972), (351, 7011), (363, 7077), (364, 7086), (367, 7110), (368, 7122), (369, 7125), (388, 7197), (404, 7242), (409, 7257), (447, 7419), (464, 7470), (471, 7491), (493, 7536), (509,

7590),

Gene: Mariokart_8 Start: 5358, Stop: 7151, Start Num: 55

Candidate Starts for Mariokart_8:

(Start: 30 @5310 has 453 MA's), (Start: 55 @5358 has 4 MA's), (Start: 92 @5424 has 2 MA's), (101, 5466), (119, 5535), (168, 5661), (173, 5679), (215, 5760), (241, 5832), (251, 5886), (259, 5919), (269, 5976), (270, 5979), (274, 5997), (289, 6042), (297, 6063), (330, 6174), (334, 6186), (336, 6201), (347, 6237), (355, 6288), (357, 6300), (369, 6375), (374, 6399), (384, 6435), (387, 6444), (404, 6480), (410, 6501), (553, 6867), (557, 6876), (558, 6879), (579, 6951), (580, 6957), (585, 6978), (589, 6987), (606, 7059), (617, 7092), (622, 7104), (626, 7116), (632, 7128), (633, 7131),

Gene: Marley1013_11 Start: 7104, Stop: 9008, Start Num: 30

Candidate Starts for Marley1013_11:

(Start: 30 @7104 has 453 MA's), (39, 7131), (84, 7212), (102, 7275), (119, 7341), (128, 7374), (168, 7482), (198, 7572), (224, 7650), (243, 7707), (253, 7761), (269, 7842), (274, 7863), (285, 7890), (308, 7941), (310, 7950), (315, 7959), (355, 8136), (357, 8148), (369, 8223), (374, 8247), (380, 8268), (411, 8352), (440, 8490), (448, 8508), (459, 8535), (473, 8559), (555, 8724), (558, 8733), (585, 8838), (589, 8847), (594, 8874), (622, 8964), (623, 8967), (632, 8988), (639, 9000),

Gene: Marlia_11 Start: 6309, Stop: 8210, Start Num: 30

Candidate Starts for Marlia_11:

(Start: 30 @6309 has 453 MA's), (39, 6336), (84, 6417), (102, 6480), (119, 6546), (128, 6579), (168, 6687), (198, 6777), (224, 6855), (243, 6912), (253, 6966), (269, 7047), (274, 7068), (285, 7095), (308, 7146), (310, 7155), (315, 7164), (355, 7341), (357, 7353), (369, 7428), (374, 7452), (380, 7473), (411, 7557), (440, 7695), (448, 7713), (459, 7740), (473, 7764), (555, 7926), (558, 7935), (585, 8040), (589, 8049), (594, 8076), (622, 8166), (623, 8169), (632, 8190), (639, 8202),

Gene: Maru_8 Start: 4439, Stop: 6358, Start Num: 30

Candidate Starts for Maru_8:

(Start: 30 @4439 has 453 MA's), (Start: 36 @4454 has 5 MA's), (Start: 85 @4550 has 7 MA's), (Start: 93 @4565 has 1 MA's), (119, 4676), (165, 4808), (172, 4832), (173, 4838), (175, 4850), (180, 4862), (242, 5027), (267, 5153), (268, 5156), (269, 5168), (272, 5177), (274, 5189), (298, 5252), (302, 5261), (315, 5297), (321, 5315), (324, 5324), (334, 5372), (354, 5468), (355, 5474), (363, 5510), (369, 5558), (374, 5582), (429, 5777), (459, 5870), (569, 6122), (603, 6257), (617, 6299), (622, 6311),

Gene: Mashley_20 Start: 8624, Stop: 10450, Start Num: 41

Candidate Starts for Mashley_20:

(Start: 41 @8624 has 55 MA's), (105, 8774), (144, 8909), (165, 8948), (191, 9026), (207, 9044), (256, 9194), (259, 9209), (269, 9266), (312, 9383), (316, 9392), (349, 9527), (356, 9572), (357, 9578), (360, 9590), (369, 9650), (411, 9779), (412, 9785), (416, 9812), (440, 9911), (462, 9956), (557, 10151), (566, 10187), (573, 10205), (587, 10250),

Gene: Mask_7 Start: 4088, Stop: 6055, Start Num: 21

Candidate Starts for Mask_7:

(Start: 21 @4088 has 7 MA's), (Start: 30 @4106 has 453 MA's), (67, 4184), (84, 4232), (117, 4355), (154, 4451), (157, 4460), (171, 4511), (208, 4610), (220, 4655), (241, 4715), (243, 4724), (251, 4769), (257, 4790), (268, 4847), (271, 4865), (300, 4946), (306, 4967), (311, 4979), (315, 4988), (319, 5000), (330, 5051), (331, 5054), (340, 5087), (355, 5165), (357, 5177), (363, 5201), (373, 5273), (374, 5276), (404, 5357), (426, 5456), (431, 5486), (448, 5537), (554, 5771), (575, 5837), (577, 5846), (585, 5882), (590, 5906), (612, 5984), (617, 5996), (639, 6047), (640, 6050),

Gene: Maskar_8 Start: 4438, Stop: 6357, Start Num: 30

Candidate Starts for Maskar_8:

(Start: 30 @4438 has 453 MA's), (Start: 85 @4549 has 7 MA's), (Start: 93 @4564 has 1 MA's), (119, 4675), (165, 4807), (172, 4831), (173, 4837), (180, 4861), (224, 4975), (242, 5026), (267, 5152), (268, 5155), (269, 5167), (272, 5176), (274, 5188), (298, 5251), (302, 5260), (315, 5296), (321, 5314), (324, 5323), (334, 5371), (354, 5467), (355, 5473), (363, 5509), (369, 5557), (374, 5581), (429, 5776), (459, 5869), (569, 6121), (584, 6181), (603, 6256), (617, 6298), (622, 6310),

Gene: MasterPo_12 Start: 7728, Stop: 9617, Start Num: 30

Candidate Starts for MasterPo_12:

(Start: 30 @7728 has 453 MA's), (54, 7776), (65, 7800), (Start: 78 @7818 has 11 MA's), (Start: 92 @7851 has 2 MA's), (117, 7959), (150, 8043), (168, 8106), (178, 8142), (199, 8193), (207, 8205), (213, 8226), (241, 8304), (243, 8313), (251, 8358), (269, 8448), (270, 8451), (272, 8457), (274, 8469), (279, 8484), (285, 8496), (319, 8580), (326, 8613), (330, 8631), (343, 8676), (355, 8745), (357, 8757), (369, 8832), (374, 8856), (376, 8862), (383, 8889), (387, 8901), (391, 8907), (404, 8937), (405, 8940), (412, 8967), (425, 9033), (427, 9042), (448, 9117), (463, 9153), (496, 9198), (553, 9336), (555, 9339), (559, 9351), (583, 9438), (585, 9447), (589, 9456), (590, 9471), (597, 9501), (603, 9519), (608, 9534), (617, 9561), (622, 9573), (639, 9609),

Gene: Matalotodo_8 Start: 4442, Stop: 6361, Start Num: 30

Candidate Starts for Matalotodo_8:

(Start: 30 @4442 has 453 MA's), (Start: 36 @4457 has 5 MA's), (Start: 85 @4553 has 7 MA's), (Start: 93 @4568 has 1 MA's), (119, 4679), (165, 4811), (172, 4835), (173, 4841), (175, 4853), (180, 4865), (242, 5030), (267, 5156), (268, 5159), (269, 5171), (272, 5180), (274, 5192), (298, 5255), (302, 5264), (315, 5300), (321, 5318), (324, 5327), (334, 5375), (354, 5471), (355, 5477), (363, 5513), (369, 5561), (374, 5585), (429, 5780), (459, 5873), (569, 6125), (603, 6260), (617, 6302), (622, 6314),

Gene: Matzah_13 Start: 6000, Stop: 7757, Start Num: 14

Candidate Starts for Matzah_13:

(Start: 12 @5991 has 40 MA's), (Start: 14 @6000 has 16 MA's), (49, 6084), (69, 6120), (Start: 78 @6153 has 11 MA's), (101, 6231), (105, 6243), (106, 6252), (109, 6264), (111, 6270), (128, 6342), (129, 6348), (159, 6444), (172, 6486), (179, 6516), (189, 6546), (204, 6582), (208, 6591), (211, 6600), (213, 6609), (239, 6690), (241, 6696), (243, 6705), (256, 6768), (263, 6795), (269, 6840), (303, 6891), (320, 6942), (334, 7002), (338, 7017), (351, 7074), (364, 7149), (367, 7173), (387, 7257), (388, 7260), (404, 7305), (412, 7335), (419, 7383), (438, 7464), (447, 7482), (448, 7485), (471, 7554), (480, 7578), (527, 7713), (536, 7737),

Gene: McCrothy_13 Start: 6960, Stop: 8582, Start Num: 7

Candidate Starts for McCrothy_13:

(Start: 7 @6960 has 114 MA's), (71, 7119), (81, 7158), (100, 7221), (126, 7314), (133, 7341), (149, 7380), (204, 7500), (208, 7509), (227, 7569), (247, 7638), (251, 7659), (256, 7677), (259, 7692), (261, 7698), (273, 7761), (316, 7821), (320, 7833), (328, 7872), (331, 7884), (334, 7893), (339, 7926), (343, 7938), (349, 7968), (356, 8013), (359, 8028), (360, 8031), (365, 8067), (374, 8115), (377, 8124), (384, 8151), (431, 8328), (453, 8385), (457, 8391), (464, 8406), (472, 8427), (474, 8433), (496, 8469), (505, 8496),

Gene: McKinley_13 Start: 7453, Stop: 9075, Start Num: 7

Candidate Starts for McKinley_13:

(Start: 7 @7453 has 114 MA's), (Start: 46 @7573 has 20 MA's), (71, 7612), (81, 7651), (100, 7714), (126, 7807), (133, 7834), (149, 7873), (208, 8002), (227, 8062), (247, 8131), (251, 8152), (256, 8170), (259, 8185), (261, 8191), (273, 8254), (316, 8314), (320, 8326), (328, 8365), (331, 8377), (334, 8386), (343, 8431), (349, 8461), (356, 8506), (359, 8521), (360, 8524), (365, 8560), (374, 8608), (377, 8617), (384, 8644), (425, 8788), (431, 8821), (453, 8878), (457, 8884), (464, 8899), (472, 8920), (474, 8926), (496, 8962), (505, 8989),

Gene: Mcshane_8 Start: 4442, Stop: 6361, Start Num: 30

Candidate Starts for Mcshane_8:

(Start: 30 @4442 has 453 MA's), (Start: 36 @4457 has 5 MA's), (Start: 85 @4553 has 7 MA's), (Start: 93 @4568 has 1 MA's), (119, 4679), (165, 4811), (172, 4835), (173, 4841), (175, 4853), (180, 4865), (242, 5030), (267, 5156), (268, 5159), (269, 5171), (272, 5180), (274, 5192), (298, 5255), (302, 5264), (315, 5300), (321, 5318), (324, 5327), (334, 5375), (354, 5471), (355, 5477), (363, 5513), (369, 5561), (374, 5585), (429, 5780), (459, 5873), (569, 6125), (603, 6260), (617, 6302), (622, 6314),

Gene: Mecca_8 Start: 4438, Stop: 6357, Start Num: 30

Candidate Starts for Mecca_8:

(Start: 30 @4438 has 453 MA's), (Start: 36 @4453 has 5 MA's), (Start: 85 @4549 has 7 MA's), (Start: 93 @4564 has 1 MA's), (119, 4675), (165, 4807), (172, 4831), (173, 4837), (175, 4849), (180, 4861), (242, 5026), (267, 5152), (268, 5155), (269, 5167), (272, 5176), (274, 5188), (298, 5251), (302, 5260), (315, 5296), (321, 5314), (324, 5323), (334, 5371), (354, 5467), (355, 5473), (363, 5509), (369, 5557), (374, 5581), (429, 5776), (459, 5869), (569, 6121), (603, 6256), (617, 6298), (622, 6310),

Gene: Megabear_6 Start: 3328, Stop: 5202, Start Num: 21

Candidate Starts for Megabear_6:

(Start: 21 @3328 has 7 MA's), (Start: 30 @3346 has 453 MA's), (Start: 59 @3403 has 2 MA's), (109, 3541), (117, 3571), (135, 3625), (173, 3736), (220, 3865), (241, 3922), (243, 3931), (251, 3976), (256, 3994), (271, 4072), (272, 4075), (315, 4159), (323, 4183), (327, 4207), (355, 4336), (357, 4348), (363, 4372), (369, 4423), (383, 4480), (387, 4492), (432, 4666), (459, 4735), (579, 4987), (617, 5128), (622, 5140), (640, 5182),

Gene: Megamind20_9 Start: 4457, Stop: 6361, Start Num: 36

Candidate Starts for Megamind20_9:

(Start: 30 @4442 has 453 MA's), (Start: 36 @4457 has 5 MA's), (Start: 85 @4553 has 7 MA's), (Start: 93 @4568 has 1 MA's), (119, 4679), (165, 4811), (172, 4835), (173, 4841), (175, 4853), (180, 4865), (242, 5030), (267, 5156), (268, 5159), (269, 5171), (272, 5180), (274, 5192), (298, 5255), (302, 5264), (315, 5300), (321, 5318), (324, 5327), (334, 5375), (354, 5471), (355, 5477), (363, 5513), (369, 5561), (374, 5585), (429, 5780), (459, 5873), (569, 6125), (603, 6260), (617, 6302), (622, 6314),

Gene: Megan_13 Start: 8673, Stop: 10412, Start Num: 12

Candidate Starts for Megan_13:

(8, 8646), (Start: 12 @8673 has 40 MA's), (Start: 14 @8682 has 16 MA's), (29, 8712), (66, 8790), (76, 8826), (101, 8910), (105, 8922), (116, 8964), (121, 8985), (133, 9039), (151, 9093), (152, 9096), (171, 9162), (204, 9225), (211, 9243), (213, 9252), (243, 9345), (256, 9408), (263, 9435), (269, 9480), (277, 9513), (280, 9522), (282, 9525), (320, 9582), (321, 9585), (329, 9624), (331, 9633), (334, 9642), (343, 9675), (351, 9714), (363, 9780), (364, 9789), (367, 9813), (369, 9828), (388, 9900), (409, 9975), (412, 9990), (435, 10110), (436, 10116), (447, 10140), (448, 10143), (464, 10191), (487, 10242), (493, 10254), (505, 10290), (515, 10332), (535, 10395),

Gene: Megatron_8 Start: 4438, Stop: 6357, Start Num: 30

Candidate Starts for Megatron_8:

(Start: 30 @4438 has 453 MA's), (Start: 36 @4453 has 5 MA's), (Start: 85 @4549 has 7 MA's), (Start: 93 @4564 has 1 MA's), (119, 4675), (165, 4807), (172, 4831), (173, 4837), (175, 4849), (180, 4861), (242, 5026), (267, 5152), (268, 5155), (269, 5167), (272, 5176), (274, 5188), (298, 5251), (302, 5260), (315, 5296), (321, 5314), (324, 5323), (334, 5371), (354, 5467), (355, 5473), (363, 5509), (369, 5557), (374, 5581), (429, 5776), (459, 5869), (569, 6121), (603, 6256), (617, 6298), (622, 6310),

Gene: MelBins_13 Start: 6850, Stop: 8484, Start Num: 7

Candidate Starts for MelBins_13:

(Start: 7 @6850 has 114 MA's), (9, 6877), (11, 6886), (Start: 22 @6922 has 3 MA's), (49, 6988), (Start: 78 @7045 has 11 MA's), (88, 7078), (100, 7123), (106, 7153), (108, 7162), (116, 7186), (119, 7201), (149, 7282), (166, 7339), (203, 7399), (208, 7411), (213, 7429), (227, 7471), (251, 7561), (256, 7579), (259, 7594), (261, 7600), (271, 7654), (280, 7675), (320, 7735), (321, 7738), (334, 7795), (337, 7819), (349, 7870), (356, 7915), (360, 7933), (364, 7954), (374, 8017), (380, 8038), (384, 8053), (405, 8104), (428, 8209), (431, 8230), (439, 8260), (449, 8278), (452, 8284), (465, 8320), (474, 8344), (477, 8350), (484, 8365), (506, 8419),

Gene: Melc17_8 Start: 4438, Stop: 6357, Start Num: 30

Candidate Starts for Melc17_8:

(Start: 30 @4438 has 453 MA's), (Start: 85 @4549 has 7 MA's), (Start: 93 @4564 has 1 MA's), (119, 4675), (165, 4807), (172, 4831), (173, 4837), (175, 4849), (180, 4861), (242, 5026), (267, 5152), (268, 5155), (269, 5167), (272, 5176), (274, 5188), (298, 5251), (302, 5260), (315, 5296), (321, 5314), (324, 5323), (334, 5371), (354, 5467), (355, 5473), (363, 5509), (369, 5557), (374, 5581), (429, 5776), (459, 5869), (569, 6121), (603, 6256), (617, 6298), (622, 6310),

Gene: MellowYellow_19 Start: 7989, Stop: 9875, Start Num: 46

Candidate Starts for MellowYellow_19:

(Start: 46 @7989 has 20 MA's), (50, 7998), (71, 8037), (109, 8160), (115, 8178), (130, 8229), (139, 8253), (172, 8328), (253, 8571), (320, 8763), (357, 8937), (360, 8949), (393, 9099), (411, 9150), (416, 9183), (417, 9189), (425, 9222), (433, 9258), (442, 9285), (461, 9324), (474, 9345), (479, 9357), (573, 9621), (608, 9738), (634, 9834),

Gene: MelsMeow_8 Start: 4438, Stop: 6357, Start Num: 30

Candidate Starts for MelsMeow_8:

(Start: 30 @4438 has 453 MA's), (Start: 85 @4549 has 7 MA's), (Start: 93 @4564 has 1 MA's), (119, 4675), (165, 4807), (172, 4831), (173, 4837), (180, 4861), (224, 4975), (242, 5026), (267, 5152), (268, 5155), (269, 5167), (272, 5176), (274, 5188), (298, 5251), (302, 5260), (315, 5296), (321, 5314), (324, 5323), (334, 5371), (354, 5467), (355, 5473), (363, 5509), (369, 5557), (374, 5581), (429, 5776), (459, 5869), (569, 6121), (584, 6181), (603, 6256), (617, 6298), (622, 6310),

Gene: MementoMori_13 Start: 5993, Stop: 7759, Start Num: 12

Candidate Starts for MementoMori_13:

(Start: 12 @5993 has 40 MA's), (Start: 14 @6002 has 16 MA's), (49, 6083), (69, 6119), (Start: 78 @6152 has 11 MA's), (101, 6230), (105, 6242), (106, 6251), (109, 6263), (111, 6269), (128, 6341), (129, 6347), (159, 6443), (172, 6485), (179, 6515), (187, 6536), (189, 6545), (204, 6581), (208, 6590), (211, 6599), (213, 6608), (239, 6689), (241, 6695), (243, 6704), (256, 6767), (263, 6794), (269, 6839), (303, 6890), (320, 6941), (334, 7001), (338, 7016), (351, 7073), (364, 7148), (367, 7172), (387, 7256), (388, 7259), (404, 7304), (412, 7334), (419, 7382), (438, 7463), (447, 7481), (448, 7484), (464, 7532), (471, 7553), (480, 7577), (487, 7583), (527, 7715), (536, 7739),

Gene: Mentos_24 Start: 9720, Stop: 11546, Start Num: 41

Candidate Starts for Mentos_24:

(Start: 41 @9720 has 55 MA's), (105, 9870), (144, 10005), (165, 10044), (191, 10122), (207, 10140), (256, 10290), (259, 10305), (269, 10362), (312, 10479), (316, 10488), (349, 10623), (356, 10668), (357, 10674), (360, 10686), (369, 10746), (411, 10875), (412, 10881), (416, 10908), (440, 11007), (462, 11052), (557, 11247), (566, 11283), (573, 11301), (587, 11346),

Gene: Merry_ Start: 8363, Stop: 10132, Start Num: 2

Candidate Starts for Merry_:

(Start: 2 @8363 has 2 MA's), (8, 8429), (Start: 12 @8456 has 40 MA's), (Start: 14 @8465 has 16 MA's), (Start: 55 @8561 has 4 MA's), (69, 8585), (101, 8690), (105, 8702), (128, 8801), (151, 8873), (157, 8891), (176, 8966), (179, 8972), (204, 9011), (210, 9023), (213, 9038), (220, 9062), (225, 9074),

(232, 9101), (241, 9128), (243, 9137), (263, 9227), (269, 9272), (320, 9374), (321, 9377), (331, 9425), (334, 9434), (351, 9506), (363, 9572), (364, 9581), (388, 9692), (408, 9749), (438, 9893), (445, 9905), (455, 9935), (519, 10103),

Gene: Mesh1_8 Start: 4441, Stop: 6360, Start Num: 30

Candidate Starts for Mesh1_8:

(Start: 30 @4441 has 453 MA's), (Start: 36 @4456 has 5 MA's), (Start: 85 @4552 has 7 MA's), (Start: 93 @4567 has 1 MA's), (119, 4678), (165, 4810), (172, 4834), (173, 4840), (175, 4852), (180, 4864), (242, 5029), (267, 5155), (268, 5158), (269, 5170), (272, 5179), (274, 5191), (298, 5254), (302, 5263), (315, 5299), (321, 5317), (324, 5326), (334, 5374), (354, 5470), (355, 5476), (363, 5512), (369, 5560), (374, 5584), (429, 5779), (459, 5872), (569, 6124), (603, 6259), (617, 6301), (622, 6313),

Gene: Mesmerelda_8 Start: 4441, Stop: 6360, Start Num: 30

Candidate Starts for Mesmerelda_8:

(Start: 30 @4441 has 453 MA's), (Start: 85 @4552 has 7 MA's), (Start: 93 @4567 has 1 MA's), (119, 4678), (165, 4810), (172, 4834), (173, 4840), (175, 4852), (180, 4864), (242, 5029), (267, 5155), (268, 5158), (269, 5170), (272, 5179), (274, 5191), (298, 5254), (302, 5263), (315, 5299), (321, 5317), (324, 5326), (334, 5374), (354, 5470), (355, 5476), (363, 5512), (369, 5560), (374, 5584), (429, 5779), (459, 5872), (569, 6124), (603, 6259), (617, 6301), (622, 6313),

Gene: Metamorphoo_20 Start: 8066, Stop: 9760, Start Num: 12

Candidate Starts for Metamorphoo_20:

(Start: 12 @8066 has 40 MA's), (Start: 14 @8075 has 16 MA's), (69, 8198), (101, 8303), (105, 8315), (128, 8414), (151, 8486), (157, 8504), (204, 8627), (210, 8639), (211, 8645), (213, 8654), (225, 8690), (243, 8753), (256, 8816), (263, 8843), (269, 8888), (272, 8897), (303, 8939), (320, 8990), (321, 8993), (329, 9032), (331, 9041), (334, 9050), (343, 9083), (351, 9122), (363, 9188), (364, 9197), (365, 9212), (369, 9236), (386, 9302), (388, 9308), (398, 9335), (433, 9488), (448, 9527), (455, 9548), (470, 9593), (529, 9740),

Gene: MichaelPhcott_8 Start: 4438, Stop: 6357, Start Num: 30

Candidate Starts for MichaelPhcott_8:

(Start: 30 @4438 has 453 MA's), (Start: 85 @4549 has 7 MA's), (Start: 93 @4564 has 1 MA's), (119, 4675), (165, 4807), (172, 4831), (173, 4837), (180, 4861), (224, 4975), (242, 5026), (267, 5152), (268, 5155), (269, 5167), (272, 5176), (274, 5188), (298, 5251), (302, 5260), (315, 5296), (321, 5314), (324, 5323), (334, 5371), (354, 5467), (355, 5473), (363, 5509), (369, 5557), (374, 5581), (429, 5776), (459, 5869), (569, 6121), (584, 6181), (603, 6256), (617, 6298), (622, 6310),

Gene: Mikota_8 Start: 4439, Stop: 6358, Start Num: 30

Candidate Starts for Mikota_8:

(Start: 30 @4439 has 453 MA's), (Start: 85 @4550 has 7 MA's), (Start: 93 @4565 has 1 MA's), (119, 4676), (165, 4808), (172, 4832), (173, 4838), (175, 4850), (180, 4862), (242, 5027), (267, 5153), (268, 5156), (269, 5168), (272, 5177), (274, 5189), (298, 5252), (302, 5261), (315, 5297), (321, 5315), (324, 5324), (334, 5372), (354, 5468), (355, 5474), (363, 5510), (369, 5558), (374, 5582), (429, 5777), (459, 5870), (569, 6122), (603, 6257), (617, 6299), (622, 6311),

Gene: Mila11_24 Start: 9699, Stop: 11525, Start Num: 41

Candidate Starts for Mila11_24:

(Start: 41 @9699 has 55 MA's), (144, 9984), (165, 10023), (191, 10101), (207, 10119), (256, 10269), (259, 10284), (269, 10341), (291, 10410), (312, 10458), (316, 10467), (349, 10602), (356, 10647), (357, 10653), (360, 10665), (369, 10725), (411, 10854), (412, 10860), (416, 10887), (440, 10986), (462, 11031), (557, 11226), (566, 11262), (573, 11280), (587, 11325),

Gene: Mimi_76 Start: 33036, Stop: 34721, Start Num: 22

Candidate Starts for Mimi_76:

(Start: 22 @33036 has 3 MA's), (Start: 26 @33042 has 9 MA's), (Start: 78 @33147 has 11 MA's), (113, 33270), (116, 33282), (157, 33405), (243, 33657), (251, 33702), (301, 33858), (304, 33867), (307, 33879), (320, 33915), (325, 33936), (363, 34113), (451, 34467), (478, 34533), (480, 34539), (523, 34665), (526, 34674), (540, 34710),

Gene: MiniBoss_8 Start: 4441, Stop: 6360, Start Num: 30

Candidate Starts for MiniBoss_8:

(Start: 30 @4441 has 453 MA's), (Start: 85 @4552 has 7 MA's), (Start: 93 @4567 has 1 MA's), (119, 4678), (165, 4810), (172, 4834), (173, 4840), (175, 4852), (180, 4864), (242, 5029), (267, 5155), (268, 5158), (269, 5170), (272, 5179), (274, 5191), (298, 5254), (302, 5263), (315, 5299), (321, 5317), (324, 5326), (334, 5374), (354, 5470), (355, 5476), (363, 5512), (369, 5560), (374, 5584), (429, 5779), (459, 5872), (569, 6124), (603, 6259), (617, 6301), (622, 6313),

Gene: Minnow_7 Start: 5211, Stop: 7142, Start Num: 30

Candidate Starts for Minnow_7:

(Start: 30 @5211 has 453 MA's), (Start: 36 @5226 has 5 MA's), (Start: 85 @5313 has 7 MA's), (101, 5370), (102, 5373), (150, 5532), (179, 5634), (185, 5643), (205, 5691), (241, 5787), (251, 5841), (253, 5850), (269, 5931), (270, 5934), (274, 5952), (298, 6015), (305, 6033), (322, 6081), (334, 6135), (348, 6195), (355, 6237), (367, 6309), (369, 6324), (373, 6345), (383, 6381), (387, 6393), (404, 6429), (434, 6576), (462, 6642), (494, 6708), (548, 6846), (562, 6876), (564, 6885), (569, 6903), (602, 7035), (603, 7038), (630, 7116),

Gene: Mischief19_11 Start: 9640, Stop: 11433, Start Num: 78

Candidate Starts for Mischief19_11:

(Start: 78 @9640 has 11 MA's), (104, 9733), (120, 9796), (124, 9808), (127, 9823), (154, 9895), (164, 9931), (200, 10036), (209, 10060), (242, 10159), (251, 10210), (260, 10246), (272, 10309), (323, 10402), (329, 10432), (331, 10441), (335, 10462), (357, 10564), (360, 10576), (405, 10747), (459, 10948), (523, 11107), (549, 11158), (565, 11209), (566, 11218), (584, 11284), (618, 11395), (625, 11416),

Gene: MisoSoup_11 Start: 4288, Stop: 6081, Start Num: 14

Candidate Starts for MisoSoup_11:

(Start: 14 @4288 has 16 MA's), (32, 4321), (101, 4504), (133, 4636), (136, 4648), (152, 4693), (155, 4702), (156, 4705), (157, 4708), (193, 4813), (199, 4819), (208, 4840), (224, 4891), (256, 5017), (263, 5044), (269, 5089), (277, 5122), (282, 5134), (320, 5191), (331, 5242), (349, 5314), (354, 5347), (364, 5398), (367, 5422), (369, 5437), (388, 5509), (411, 5575), (412, 5581), (455, 5755), (470, 5800), (528, 5989), (537, 6016),

Gene: MitKao_8 Start: 4441, Stop: 6360, Start Num: 30

Candidate Starts for MitKao_8:

(Start: 30 @4441 has 453 MA's), (Start: 85 @4552 has 7 MA's), (Start: 93 @4567 has 1 MA's), (119, 4678), (165, 4810), (172, 4834), (173, 4840), (175, 4852), (180, 4864), (242, 5029), (267, 5155), (268, 5158), (269, 5170), (272, 5179), (274, 5191), (298, 5254), (302, 5263), (315, 5299), (321, 5317), (324, 5326), (334, 5374), (354, 5470), (355, 5476), (363, 5512), (369, 5560), (374, 5584), (429, 5779), (459, 5872), (569, 6124), (603, 6259), (617, 6301), (622, 6313),

Gene: Mithril_9 Start: 6748, Stop: 8637, Start Num: 30

Candidate Starts for Mithril_9:

(Start: 30 @6748 has 453 MA's), (Start: 36 @6763 has 5 MA's), (83, 6844), (91, 6859), (102, 6910), (105, 6919), (117, 6970), (157, 7075), (173, 7135), (213, 7231), (240, 7309), (241, 7312), (243, 7321), (251, 7366), (269, 7456), (270, 7459), (301, 7537), (305, 7549), (334, 7651), (348, 7711), (355, 7753), (357, 7765), (374, 7864), (376, 7870), (383, 7897), (385, 7903), (388, 7912), (404, 7945), (543, 8317),

(547, 8326), (548, 8329), (569, 8392), (584, 8452), (585, 8455), (589, 8464), (617, 8578), (626, 8602), (639, 8629),

Gene: MmasiCarm_11 Start: 6314, Stop: 8218, Start Num: 30

Candidate Starts for MmasiCarm_11:

(Start: 30 @6314 has 453 MA's), (39, 6341), (84, 6422), (102, 6485), (119, 6551), (128, 6584), (168, 6692), (198, 6782), (224, 6860), (243, 6917), (253, 6971), (269, 7052), (274, 7073), (285, 7100), (308, 7151), (310, 7160), (315, 7169), (355, 7346), (357, 7358), (369, 7433), (374, 7457), (380, 7478), (411, 7562), (440, 7700), (448, 7718), (459, 7745), (473, 7769), (555, 7934), (558, 7943), (585, 8048), (589, 8057), (594, 8084), (622, 8174), (632, 8198), (639, 8210),

Gene: MoontowerMania_11 Start: 6493, Stop: 8115, Start Num: 7

Candidate Starts for MoontowerMania_11:

(Start: 7 @6493 has 114 MA's), (Start: 46 @6613 has 20 MA's), (71, 6652), (81, 6691), (100, 6754), (126, 6847), (133, 6874), (149, 6913), (204, 7033), (208, 7042), (227, 7102), (247, 7171), (251, 7192), (256, 7210), (259, 7225), (261, 7231), (273, 7294), (316, 7354), (320, 7366), (328, 7405), (331, 7417), (334, 7426), (339, 7459), (343, 7471), (349, 7501), (356, 7546), (359, 7561), (360, 7564), (365, 7600), (374, 7648), (377, 7657), (384, 7684), (431, 7861), (453, 7918), (457, 7924), (464, 7939), (472, 7960), (474, 7966), (496, 8002), (505, 8029),

Gene: Morgushi_8 Start: 4439, Stop: 6358, Start Num: 30

Candidate Starts for Morgushi_8:

(Start: 30 @4439 has 453 MA's), (Start: 36 @4454 has 5 MA's), (Start: 85 @4550 has 7 MA's), (Start: 93 @4565 has 1 MA's), (119, 4676), (165, 4808), (172, 4832), (173, 4838), (175, 4850), (180, 4862), (242, 5027), (267, 5153), (268, 5156), (269, 5168), (272, 5177), (274, 5189), (298, 5252), (302, 5261), (315, 5297), (321, 5315), (324, 5324), (334, 5372), (354, 5468), (355, 5474), (363, 5510), (369, 5558), (374, 5582), (429, 5777), (459, 5870), (569, 6122), (603, 6257), (617, 6299), (622, 6311),

Gene: MorillMayhem_22 Start: 8632, Stop: 10458, Start Num: 41

Candidate Starts for MorillMayhem_22:

(Start: 41 @8632 has 55 MA's), (144, 8917), (165, 8956), (168, 8968), (191, 9034), (207, 9052), (256, 9202), (259, 9217), (269, 9274), (291, 9343), (312, 9391), (316, 9400), (349, 9535), (356, 9580), (357, 9586), (360, 9598), (369, 9658), (411, 9787), (412, 9793), (416, 9820), (440, 9919), (462, 9964), (557, 10159), (566, 10195), (573, 10213), (587, 10258),

Gene: Mortcellus_10 Start: 6952, Stop: 8856, Start Num: 30

Candidate Starts for Mortcellus_10:

(Start: 30 @6952 has 453 MA's), (39, 6979), (84, 7060), (102, 7123), (119, 7189), (128, 7222), (168, 7330), (198, 7420), (224, 7498), (243, 7555), (253, 7609), (269, 7690), (274, 7711), (285, 7738), (308, 7789), (310, 7798), (315, 7807), (355, 7984), (357, 7996), (369, 8071), (374, 8095), (380, 8116), (411, 8200), (440, 8338), (448, 8356), (459, 8383), (473, 8407), (555, 8572), (558, 8581), (585, 8686), (589, 8695), (594, 8722), (603, 8758), (622, 8812), (623, 8815), (632, 8836), (639, 8848),

Gene: Morty_8 Start: 4438, Stop: 6357, Start Num: 30

Candidate Starts for Morty_8:

(Start: 30 @4438 has 453 MA's), (Start: 36 @4453 has 5 MA's), (Start: 85 @4549 has 7 MA's), (Start: 93 @4564 has 1 MA's), (119, 4675), (165, 4807), (172, 4831), (173, 4837), (175, 4849), (180, 4861), (242, 5026), (267, 5152), (268, 5155), (269, 5167), (272, 5176), (274, 5188), (298, 5251), (302, 5260), (315, 5296), (321, 5314), (324, 5323), (334, 5371), (354, 5467), (355, 5473), (363, 5509), (369, 5557), (374, 5581), (429, 5776), (459, 5869), (569, 6121), (603, 6256), (617, 6298), (622, 6310),

Gene: Morty007_11 Start: 7104, Stop: 9008, Start Num: 30

Candidate Starts for Morty007_11:

(Start: 30 @7104 has 453 MA's), (39, 7131), (84, 7212), (102, 7275), (119, 7341), (128, 7374), (168, 7482), (198, 7572), (224, 7650), (243, 7707), (253, 7761), (269, 7842), (274, 7863), (285, 7890), (308, 7941), (310, 7950), (315, 7959), (355, 8136), (357, 8148), (369, 8223), (374, 8247), (380, 8268), (411, 8352), (440, 8490), (448, 8508), (459, 8535), (473, 8559), (555, 8724), (558, 8733), (585, 8838), (589, 8847), (594, 8874), (622, 8964), (623, 8967), (632, 8988), (639, 9000),

Gene: Mosaic_8 Start: 4442, Stop: 6361, Start Num: 30

Candidate Starts for Mosaic_8:

(Start: 30 @4442 has 453 MA's), (Start: 36 @4457 has 5 MA's), (Start: 85 @4553 has 7 MA's), (Start: 93 @4568 has 1 MA's), (119, 4679), (165, 4811), (172, 4835), (173, 4841), (175, 4853), (180, 4865), (242, 5030), (267, 5156), (268, 5159), (269, 5171), (272, 5180), (274, 5192), (298, 5255), (302, 5264), (315, 5300), (321, 5318), (324, 5327), (334, 5375), (354, 5471), (355, 5477), (363, 5513), (369, 5561), (374, 5585), (429, 5780), (459, 5873), (569, 6125), (603, 6260), (617, 6302), (622, 6314),

Gene: MossRose_10 Start: 6894, Stop: 8627, Start Num: 92

Candidate Starts for MossRose_10:

(Start: 30 @6780 has 453 MA's), (Start: 92 @6894 has 2 MA's), (101, 6936), (117, 6999), (137, 7065), (178, 7170), (187, 7194), (235, 7293), (237, 7299), (241, 7308), (243, 7317), (270, 7455), (274, 7473), (321, 7614), (326, 7641), (330, 7659), (334, 7671), (347, 7722), (355, 7773), (369, 7860), (374, 7884), (448, 8142), (476, 8202), (480, 8211), (557, 8352), (558, 8355), (579, 8427), (580, 8433), (585, 8454), (598, 8511), (602, 8523), (612, 8556), (617, 8568), (622, 8580), (626, 8592), (632, 8604), (633, 8607),

Gene: MrPhizzler_8 Start: 4437, Stop: 6356, Start Num: 30

Candidate Starts for MrPhizzler_8:

(Start: 30 @4437 has 453 MA's), (Start: 85 @4548 has 7 MA's), (Start: 93 @4563 has 1 MA's), (119, 4674), (165, 4806), (172, 4830), (173, 4836), (175, 4848), (180, 4860), (242, 5025), (267, 5151), (268, 5154), (269, 5166), (272, 5175), (274, 5187), (298, 5250), (302, 5259), (315, 5295), (321, 5313), (324, 5322), (334, 5370), (354, 5466), (355, 5472), (363, 5508), (369, 5556), (374, 5580), (429, 5775), (459, 5868), (569, 6120), (603, 6255), (617, 6297), (622, 6309),

Gene: Mudslide_9 Start: 6996, Stop: 8885, Start Num: 30

Candidate Starts for Mudslide_9:

(Start: 30 @6996 has 453 MA's), (Start: 36 @7011 has 5 MA's), (83, 7092), (91, 7107), (102, 7158), (105, 7167), (117, 7218), (157, 7323), (173, 7383), (213, 7479), (240, 7557), (241, 7560), (243, 7569), (251, 7614), (269, 7704), (270, 7707), (301, 7785), (305, 7797), (334, 7899), (348, 7959), (355, 8001), (357, 8013), (374, 8112), (376, 8118), (383, 8145), (385, 8151), (388, 8160), (404, 8193), (428, 8301), (543, 8565), (547, 8574), (548, 8577), (569, 8640), (584, 8700), (585, 8703), (589, 8712), (617, 8826), (635, 8871), (639, 8877),

Gene: Mulan_8 Start: 4441, Stop: 6360, Start Num: 30

Candidate Starts for Mulan_8:

(Start: 30 @4441 has 453 MA's), (Start: 36 @4456 has 5 MA's), (Start: 85 @4552 has 7 MA's), (Start: 93 @4567 has 1 MA's), (119, 4678), (165, 4810), (172, 4834), (173, 4840), (175, 4852), (180, 4864), (242, 5029), (267, 5155), (268, 5158), (269, 5170), (272, 5179), (274, 5191), (298, 5254), (302, 5263), (315, 5299), (321, 5317), (324, 5326), (334, 5374), (354, 5470), (355, 5476), (363, 5512), (369, 5560), (374, 5584), (429, 5779), (459, 5872), (569, 6124), (603, 6259), (617, 6301), (622, 6313),

Gene: Mulaychimus_11 Start: 6315, Stop: 8219, Start Num: 30

Candidate Starts for Mulaychimus_11:

(Start: 30 @6315 has 453 MA's), (39, 6342), (84, 6423), (102, 6486), (119, 6552), (128, 6585), (168, 6693), (198, 6783), (224, 6861), (243, 6918), (253, 6972), (269, 7053), (274, 7074), (285, 7101), (308, 7152), (310, 7161), (315, 7170), (355, 7347), (357, 7359), (369, 7434), (374, 7458), (380, 7479), (411, 7563), (440, 7701), (448, 7719), (459, 7746), (473, 7770), (555, 7935), (558, 7944), (585, 8049), (589,

8058), (594, 8085), (622, 8175), (623, 8178), (632, 8199), (639, 8211),

Gene: Murdoc_8 Start: 4441, Stop: 6360, Start Num: 30

Candidate Starts for Murdoc_8:

(Start: 30 @4441 has 453 MA's), (Start: 36 @4456 has 5 MA's), (Start: 85 @4552 has 7 MA's), (Start: 93 @4567 has 1 MA's), (119, 4678), (165, 4810), (172, 4834), (173, 4840), (175, 4852), (180, 4864), (242, 5029), (267, 5155), (268, 5158), (269, 5170), (272, 5179), (274, 5191), (298, 5254), (302, 5263), (315, 5299), (321, 5317), (324, 5326), (334, 5374), (354, 5470), (355, 5476), (363, 5512), (369, 5560), (374, 5584), (429, 5779), (459, 5872), (569, 6124), (603, 6259), (617, 6301), (622, 6313),

Gene: Mutante_8 Start: 4438, Stop: 6357, Start Num: 30

Candidate Starts for Mutante_8:

(Start: 30 @4438 has 453 MA's), (Start: 36 @4453 has 5 MA's), (Start: 85 @4549 has 7 MA's), (Start: 93 @4564 has 1 MA's), (119, 4675), (165, 4807), (172, 4831), (173, 4837), (175, 4849), (180, 4861), (242, 5026), (267, 5152), (268, 5155), (269, 5167), (272, 5176), (274, 5188), (298, 5251), (302, 5260), (315, 5296), (321, 5314), (324, 5323), (334, 5371), (354, 5467), (355, 5473), (363, 5509), (369, 5557), (374, 5581), (429, 5776), (459, 5869), (569, 6121), (603, 6256), (617, 6298), (622, 6310),

Gene: Mutzi_12 Start: 5455, Stop: 7041, Start Num: 7

Candidate Starts for Mutzi_12:

(Start: 7 @5455 has 114 MA's), (101, 5707), (108, 5737), (149, 5854), (156, 5875), (159, 5890), (240, 6064), (249, 6106), (253, 6130), (254, 6133), (265, 6172), (280, 6244), (320, 6304), (321, 6307), (322, 6310), (329, 6346), (331, 6355), (333, 6361), (334, 6364), (349, 6427), (356, 6472), (363, 6502), (369, 6550), (384, 6607), (391, 6628), (404, 6655), (405, 6658), (412, 6685), (420, 6736), (431, 6784),

Gene: Mysterious_10 Start: 6968, Stop: 8833, Start Num: 30

Candidate Starts for Mysterious_10:

(Start: 30 @6968 has 453 MA's), (96, 7088), (101, 7124), (105, 7136), (106, 7145), (128, 7223), (148, 7268), (172, 7343), (173, 7349), (220, 7448), (225, 7460), (228, 7475), (243, 7514), (251, 7559), (270, 7652), (274, 7670), (324, 7796), (334, 7844), (340, 7868), (348, 7904), (355, 7946), (361, 7973), (369, 8033), (374, 8057), (383, 8090), (387, 8102), (392, 8114), (404, 8138), (440, 8300), (448, 8318), (454, 8336), (552, 8537), (559, 8555), (563, 8567), (568, 8591), (584, 8657), (612, 8762), (639, 8825), (640, 8828),

Gene: NHagos_8 Start: 5267, Stop: 7105, Start Num: 30

Candidate Starts for NHagos_8:

(Start: 30 @5267 has 453 MA's), (Start: 92 @5381 has 2 MA's), (101, 5423), (142, 5558), (173, 5639), (178, 5657), (220, 5735), (221, 5738), (222, 5741), (234, 5774), (269, 5936), (270, 5939), (274, 5957), (276, 5963), (319, 6083), (321, 6089), (326, 6116), (330, 6134), (334, 6146), (355, 6248), (357, 6260), (369, 6335), (374, 6359), (383, 6392), (455, 6638), (468, 6659), (471, 6665), (553, 6821), (557, 6830), (558, 6833), (585, 6932), (598, 6989), (602, 7001), (612, 7034), (617, 7046), (632, 7082), (633, 7085), (639, 7097),

Gene: Nacho_008 Start: 4441, Stop: 6360, Start Num: 30

Candidate Starts for Nacho_008:

(Start: 30 @4441 has 453 MA's), (Start: 36 @4456 has 5 MA's), (Start: 85 @4552 has 7 MA's), (Start: 93 @4567 has 1 MA's), (119, 4678), (165, 4810), (172, 4834), (173, 4840), (175, 4852), (180, 4864), (242, 5029), (267, 5155), (268, 5158), (269, 5170), (272, 5179), (274, 5191), (298, 5254), (302, 5263), (315, 5299), (321, 5317), (324, 5326), (334, 5374), (354, 5470), (355, 5476), (363, 5512), (369, 5560), (374, 5584), (429, 5779), (459, 5872), (569, 6124), (603, 6259), (617, 6301), (622, 6313),

Gene: Namago_22 Start: 8194, Stop: 10020, Start Num: 41

Candidate Starts for Namago_22:

(Start: 41 @8194 has 55 MA's), (144, 8479), (165, 8518), (191, 8596), (207, 8614), (259, 8779), (269, 8836), (312, 8953), (316, 8962), (349, 9097), (356, 9142), (357, 9148), (360, 9160), (369, 9220), (411, 9349), (412, 9355), (416, 9382), (440, 9481), (462, 9526), (557, 9721), (566, 9757), (573, 9775), (587, 9820),

Gene: Nanao_8 Start: 5643, Stop: 7532, Start Num: 30

Candidate Starts for Nanao_8:

(Start: 30 @5643 has 453 MA's), (83, 5739), (91, 5754), (102, 5805), (105, 5814), (117, 5865), (120, 5874), (157, 5970), (173, 6030), (213, 6126), (241, 6207), (251, 6261), (269, 6351), (270, 6354), (301, 6432), (305, 6444), (334, 6546), (348, 6606), (355, 6648), (357, 6660), (369, 6735), (374, 6759), (376, 6765), (383, 6792), (385, 6798), (404, 6840), (412, 6870), (543, 7212), (547, 7221), (548, 7224), (568, 7281), (584, 7347), (585, 7350), (589, 7359), (617, 7473), (635, 7518), (639, 7524),

Gene: Nangang_10 Start: 6702, Stop: 8567, Start Num: 30

Candidate Starts for Nangang_10:

(Start: 30 @6702 has 453 MA's), (Start: 36 @6717 has 5 MA's), (101, 6855), (105, 6867), (120, 6927), (132, 6969), (166, 7053), (169, 7065), (172, 7074), (225, 7191), (228, 7206), (243, 7245), (270, 7383), (274, 7401), (298, 7455), (340, 7599), (348, 7635), (355, 7677), (369, 7764), (374, 7788), (383, 7821), (387, 7833), (392, 7845), (404, 7869), (448, 8049), (454, 8067), (539, 8247), (548, 8268), (559, 8289), (584, 8391), (598, 8451), (639, 8559), (640, 8562),

Gene: Nathan_8 Start: 4439, Stop: 6358, Start Num: 30

Candidate Starts for Nathan_8:

(Start: 30 @4439 has 453 MA's), (Start: 85 @4550 has 7 MA's), (Start: 93 @4565 has 1 MA's), (119, 4676), (165, 4808), (172, 4832), (173, 4838), (175, 4850), (180, 4862), (242, 5027), (267, 5153), (268, 5156), (269, 5168), (272, 5177), (274, 5189), (298, 5252), (302, 5261), (315, 5297), (321, 5315), (324, 5324), (334, 5372), (354, 5468), (355, 5474), (363, 5510), (369, 5558), (374, 5582), (429, 5777), (459, 5870), (569, 6122), (603, 6257), (617, 6299), (622, 6311),

Gene: Natkenzie_14 Start: 6957, Stop: 8627, Start Num: 7

Candidate Starts for Natkenzie_14:

(Start: 7 @6957 has 114 MA's), (Start: 22 @7032 has 3 MA's), (33, 7053), (Start: 41 @7080 has 55 MA's), (77, 7167), (100, 7248), (106, 7278), (108, 7287), (131, 7362), (136, 7374), (150, 7410), (163, 7455), (204, 7527), (208, 7536), (244, 7647), (251, 7686), (253, 7695), (256, 7704), (258, 7716), (259, 7719), (261, 7725), (280, 7800), (316, 7848), (320, 7860), (346, 7980), (349, 7995), (356, 8040), (364, 8079), (371, 8130), (380, 8163), (383, 8175), (384, 8178), (396, 8205), (405, 8229), (420, 8307), (431, 8358), (439, 8388), (443, 8394), (465, 8451), (484, 8496),

Gene: Nehemiah_9 Start: 6968, Stop: 8833, Start Num: 30

Candidate Starts for Nehemiah_9:

(Start: 30 @6968 has 453 MA's), (96, 7088), (101, 7124), (105, 7136), (106, 7145), (128, 7223), (148, 7268), (172, 7343), (173, 7349), (220, 7448), (225, 7460), (228, 7475), (243, 7514), (251, 7559), (270, 7652), (274, 7670), (324, 7796), (334, 7844), (340, 7868), (348, 7904), (355, 7946), (361, 7973), (369, 8033), (374, 8057), (383, 8090), (387, 8102), (392, 8114), (404, 8138), (440, 8300), (448, 8318), (454, 8336), (552, 8537), (559, 8555), (563, 8567), (568, 8591), (584, 8657), (612, 8762), (639, 8825), (640, 8828),

Gene: Nehme_8 Start: 4440, Stop: 6359, Start Num: 30

Candidate Starts for Nehme_8:

(Start: 30 @4440 has 453 MA's), (Start: 85 @4551 has 7 MA's), (Start: 93 @4566 has 1 MA's), (119, 4677), (165, 4809), (172, 4833), (173, 4839), (175, 4851), (180, 4863), (242, 5028), (267, 5154), (268, 5157), (269, 5169), (272, 5178), (274, 5190), (298, 5253), (302, 5262), (315, 5298), (321, 5316), (324, 5325), (334, 5373), (354, 5469), (355, 5475), (363, 5511), (369, 5559), (374, 5583), (429, 5778), (459,

5871), (569, 6123), (584, 6183), (603, 6258), (617, 6300), (622, 6312),

Gene: Neos5_11 Start: 7104, Stop: 9008, Start Num: 30

Candidate Starts for Neos5_11:

(Start: 30 @7104 has 453 MA's), (39, 7131), (84, 7212), (102, 7275), (119, 7341), (128, 7374), (168, 7482), (198, 7572), (224, 7650), (243, 7707), (253, 7761), (269, 7842), (274, 7863), (285, 7890), (308, 7941), (310, 7950), (315, 7959), (355, 8136), (357, 8148), (369, 8223), (374, 8247), (380, 8268), (411, 8352), (440, 8490), (448, 8508), (459, 8535), (473, 8559), (555, 8724), (558, 8733), (585, 8838), (589, 8847), (594, 8874), (622, 8964), (632, 8988), (639, 9000),

Gene: Newman_8 Start: 4441, Stop: 6360, Start Num: 30

Candidate Starts for Newman_8:

(Start: 30 @4441 has 453 MA's), (Start: 36 @4456 has 5 MA's), (Start: 85 @4552 has 7 MA's), (Start: 93 @4567 has 1 MA's), (119, 4678), (165, 4810), (172, 4834), (173, 4840), (175, 4852), (180, 4864), (242, 5029), (267, 5155), (268, 5158), (269, 5170), (272, 5179), (274, 5191), (298, 5254), (302, 5263), (315, 5299), (321, 5317), (324, 5326), (334, 5374), (354, 5470), (355, 5476), (363, 5512), (369, 5560), (374, 5584), (429, 5779), (459, 5872), (569, 6124), (603, 6259), (617, 6301), (622, 6313),

Gene: NiaNia_8 Start: 4552, Stop: 6360, Start Num: 85

Candidate Starts for NiaNia_8:

(Start: 30 @4441 has 453 MA's), (Start: 36 @4456 has 5 MA's), (Start: 85 @4552 has 7 MA's), (Start: 93 @4567 has 1 MA's), (119, 4678), (165, 4810), (172, 4834), (173, 4840), (175, 4852), (180, 4864), (242, 5029), (267, 5155), (268, 5158), (269, 5170), (272, 5179), (274, 5191), (298, 5254), (302, 5263), (315, 5299), (321, 5317), (324, 5326), (334, 5374), (354, 5470), (355, 5476), (363, 5512), (369, 5560), (374, 5584), (429, 5779), (459, 5872), (569, 6124), (603, 6259), (617, 6301), (622, 6313),

Gene: Nicole21_8 Start: 4439, Stop: 6358, Start Num: 30

Candidate Starts for Nicole21_8:

(Start: 30 @4439 has 453 MA's), (Start: 36 @4454 has 5 MA's), (Start: 85 @4550 has 7 MA's), (Start: 93 @4565 has 1 MA's), (119, 4676), (165, 4808), (172, 4832), (173, 4838), (175, 4850), (180, 4862), (242, 5027), (267, 5153), (268, 5156), (269, 5168), (272, 5177), (274, 5189), (298, 5252), (302, 5261), (315, 5297), (321, 5315), (324, 5324), (334, 5372), (354, 5468), (355, 5474), (363, 5510), (369, 5558), (374, 5582), (429, 5777), (459, 5870), (569, 6122), (603, 6257), (617, 6299), (622, 6311),

Gene: Nicole72_14 Start: 8906, Stop: 10651, Start Num: 12

Candidate Starts for Nicole72_14:

(Start: 12 @8906 has 40 MA's), (Start: 14 @8915 has 16 MA's), (76, 9056), (101, 9140), (105, 9152), (109, 9173), (116, 9194), (128, 9251), (133, 9269), (157, 9341), (171, 9392), (204, 9455), (211, 9473), (213, 9482), (243, 9575), (256, 9638), (263, 9665), (269, 9710), (277, 9743), (280, 9752), (282, 9755), (320, 9812), (321, 9815), (329, 9854), (331, 9863), (334, 9872), (343, 9905), (351, 9944), (363, 10010), (364, 10019), (367, 10043), (369, 10058), (388, 10130), (398, 10175), (435, 10340), (436, 10346), (447, 10370), (448, 10373), (464, 10421), (470, 10439), (488, 10478), (493, 10487), (515, 10565), (525, 10607),

Gene: Nigel_7 Start: 5552, Stop: 7444, Start Num: 30

Candidate Starts for Nigel_7:

(Start: 30 @5552 has 453 MA's), (Start: 78 @5633 has 11 MA's), (91, 5663), (94, 5672), (102, 5714), (105, 5723), (120, 5783), (154, 5870), (157, 5879), (173, 5939), (179, 5960), (240, 6113), (241, 6116), (243, 6125), (251, 6170), (269, 6260), (270, 6263), (298, 6335), (301, 6341), (302, 6344), (305, 6353), (324, 6407), (330, 6443), (334, 6455), (336, 6470), (348, 6515), (355, 6557), (373, 6665), (374, 6668), (376, 6674), (383, 6701), (385, 6707), (387, 6713), (449, 6932), (461, 6959), (499, 7022), (543, 7124), (547, 7133), (548, 7136), (568, 7193), (569, 7199), (584, 7259), (585, 7262), (589, 7271), (617, 7385), (629, 7415), (639, 7436),

Gene: Nikan_18 Start: 8462, Stop: 10354, Start Num: 46

Candidate Starts for Nikan_18:

(Start: 46 @8462 has 20 MA's), (50, 8471), (70, 8507), (71, 8510), (109, 8633), (115, 8651), (130, 8702), (139, 8726), (144, 8738), (165, 8777), (170, 8795), (172, 8801), (253, 9044), (290, 9185), (320, 9236), (357, 9410), (360, 9422), (411, 9623), (416, 9656), (417, 9662), (425, 9695), (432, 9728), (433, 9731), (461, 9797), (462, 9800), (479, 9830), (573, 10103), (586, 10142), (634, 10316),

Gene: Nike_22 Start: 9101, Stop: 10927, Start Num: 41

Candidate Starts for Nike_22:

(Start: 41 @9101 has 55 MA's), (144, 9386), (165, 9425), (191, 9503), (207, 9521), (256, 9671), (259, 9686), (269, 9743), (291, 9812), (312, 9860), (316, 9869), (349, 10004), (356, 10049), (357, 10055), (360, 10067), (369, 10127), (411, 10256), (412, 10262), (416, 10289), (440, 10388), (462, 10433), (557, 10628), (566, 10664), (573, 10682), (587, 10727), (631, 10883),

Gene: NoodlelyBoi_19 Start: 8480, Stop: 10180, Start Num: 12

Candidate Starts for NoodlelyBoi_19:

(Start: 12 @8480 has 40 MA's), (Start: 14 @8489 has 16 MA's), (69, 8609), (101, 8714), (105, 8726), (128, 8825), (129, 8831), (132, 8840), (151, 8897), (157, 8915), (172, 8969), (178, 8993), (179, 8996), (193, 9020), (204, 9038), (211, 9056), (213, 9065), (225, 9101), (243, 9164), (256, 9227), (263, 9254), (269, 9299), (320, 9401), (321, 9404), (329, 9443), (334, 9461), (351, 9533), (363, 9599), (364, 9608), (369, 9647), (386, 9713), (388, 9719), (398, 9749), (433, 9902), (438, 9920), (448, 9941), (455, 9962), (456, 9965), (463, 9986),

Gene: Nordenberg_7 Start: 4637, Stop: 6259, Start Num: 7

Candidate Starts for Nordenberg_7:

(Start: 7 @4637 has 114 MA's), (71, 4796), (81, 4835), (100, 4898), (126, 4991), (133, 5018), (149, 5057), (208, 5186), (227, 5246), (247, 5315), (251, 5336), (256, 5354), (259, 5369), (261, 5375), (273, 5438), (316, 5498), (320, 5510), (328, 5549), (331, 5561), (334, 5570), (343, 5615), (349, 5645), (356, 5690), (359, 5705), (360, 5708), (365, 5744), (374, 5792), (377, 5801), (384, 5828), (431, 6005), (453, 6062), (457, 6068), (464, 6083), (472, 6104), (474, 6110), (496, 6146), (505, 6173),

Gene: Nova1_8 Start: 4551, Stop: 6359, Start Num: 85

Candidate Starts for Nova1_8:

(Start: 30 @4440 has 453 MA's), (Start: 85 @4551 has 7 MA's), (Start: 93 @4566 has 1 MA's), (119, 4677), (165, 4809), (172, 4833), (173, 4839), (175, 4851), (180, 4863), (242, 5028), (267, 5154), (268, 5157), (269, 5169), (272, 5178), (274, 5190), (298, 5253), (302, 5262), (315, 5298), (321, 5316), (324, 5325), (334, 5373), (354, 5469), (355, 5475), (363, 5511), (369, 5559), (374, 5583), (429, 5778), (459, 5871), (569, 6123), (603, 6258), (617, 6300), (622, 6312),

Gene: Nozo_11 Start: 7076, Stop: 8983, Start Num: 30

Candidate Starts for Nozo_11:

(Start: 30 @7076 has 453 MA's), (39, 7103), (84, 7184), (102, 7247), (119, 7313), (128, 7346), (168, 7454), (198, 7544), (224, 7622), (243, 7679), (253, 7733), (269, 7814), (274, 7835), (285, 7862), (308, 7913), (310, 7922), (315, 7931), (355, 8108), (357, 8120), (369, 8195), (374, 8219), (380, 8240), (411, 8324), (440, 8462), (448, 8480), (459, 8507), (473, 8531), (555, 8699), (558, 8708), (585, 8813), (589, 8822), (594, 8849), (622, 8939), (632, 8963), (639, 8975),

Gene: Nubi_12 Start: 5453, Stop: 7042, Start Num: 7

Candidate Starts for Nubi_12:

(Start: 7 @5453 has 114 MA's), (19, 5516), (101, 5708), (108, 5738), (149, 5855), (156, 5876), (159, 5891), (240, 6065), (249, 6107), (253, 6131), (254, 6134), (265, 6173), (280, 6245), (320, 6305), (321, 6308), (322, 6311), (329, 6347), (331, 6356), (333, 6362), (334, 6365), (349, 6428), (356, 6473), (363,

6503), (369, 6551), (384, 6608), (391, 6629), (404, 6656), (405, 6659), (412, 6686), (420, 6737), (431, 6785),

Gene: Numberten_8 Start: 4441, Stop: 6360, Start Num: 30

Candidate Starts for Numberten_8:

(Start: 30 @4441 has 453 MA's), (Start: 36 @4456 has 5 MA's), (Start: 85 @4552 has 7 MA's), (Start: 93 @4567 has 1 MA's), (119, 4678), (165, 4810), (172, 4834), (173, 4840), (175, 4852), (180, 4864), (242, 5029), (267, 5155), (268, 5158), (269, 5170), (272, 5179), (274, 5191), (298, 5254), (302, 5263), (315, 5299), (321, 5317), (324, 5326), (334, 5374), (354, 5470), (355, 5476), (363, 5512), (369, 5560), (374, 5584), (429, 5779), (459, 5872), (569, 6124), (603, 6259), (617, 6301), (622, 6313),

Gene: Nyala_8 Start: 4442, Stop: 6361, Start Num: 30

Candidate Starts for Nyala_8:

(Start: 30 @4442 has 453 MA's), (Start: 36 @4457 has 5 MA's), (Start: 85 @4553 has 7 MA's), (Start: 93 @4568 has 1 MA's), (119, 4679), (165, 4811), (172, 4835), (173, 4841), (175, 4853), (180, 4865), (242, 5030), (267, 5156), (268, 5159), (269, 5171), (272, 5180), (274, 5192), (298, 5255), (302, 5264), (315, 5300), (321, 5318), (324, 5327), (334, 5375), (354, 5471), (355, 5477), (363, 5513), (369, 5561), (374, 5585), (429, 5780), (459, 5873), (569, 6125), (603, 6260), (617, 6302), (622, 6314),

Gene: NyleyClemson_18 Start: 7931, Stop: 9820, Start Num: 46

Candidate Starts for NyleyClemson_18:

(Start: 46 @7931 has 20 MA's), (50, 7940), (71, 7979), (109, 8102), (115, 8120), (139, 8195), (172, 8270), (253, 8513), (320, 8705), (357, 8879), (360, 8891), (393, 9041), (411, 9092), (416, 9125), (417, 9131), (425, 9164), (433, 9200), (442, 9227), (461, 9266), (479, 9299), (573, 9566), (608, 9683), (634, 9779),

Gene: OSmaximus_8 Start: 4439, Stop: 6358, Start Num: 30

Candidate Starts for OSmaximus_8:

(Start: 30 @4439 has 453 MA's), (Start: 85 @4550 has 7 MA's), (Start: 93 @4565 has 1 MA's), (119, 4676), (165, 4808), (172, 4832), (173, 4838), (175, 4850), (180, 4862), (242, 5027), (267, 5153), (268, 5156), (269, 5168), (272, 5177), (274, 5189), (298, 5252), (302, 5261), (315, 5297), (321, 5315), (324, 5324), (334, 5372), (354, 5468), (355, 5474), (363, 5510), (369, 5558), (374, 5582), (429, 5777), (459, 5870), (569, 6122), (603, 6257), (617, 6299), (622, 6311),

Gene: Obutu_11 Start: 6315, Stop: 8219, Start Num: 30

Candidate Starts for Obutu_11:

(Start: 30 @6315 has 453 MA's), (39, 6342), (84, 6423), (102, 6486), (119, 6552), (128, 6585), (168, 6693), (198, 6783), (224, 6861), (243, 6918), (253, 6972), (269, 7053), (274, 7074), (285, 7101), (308, 7152), (310, 7161), (315, 7170), (355, 7347), (357, 7359), (369, 7434), (374, 7458), (380, 7479), (411, 7563), (440, 7701), (448, 7719), (459, 7746), (473, 7770), (555, 7935), (558, 7944), (585, 8049), (589, 8058), (594, 8085), (603, 8121), (622, 8175), (623, 8178), (632, 8199), (639, 8211),

Gene: Odyssey395_24 Start: 9446, Stop: 11332, Start Num: 46

Candidate Starts for Odyssey395_24:

(Start: 46 @9446 has 20 MA's), (50, 9455), (71, 9494), (109, 9617), (115, 9635), (130, 9686), (139, 9710), (172, 9785), (320, 10220), (357, 10394), (360, 10406), (393, 10556), (411, 10607), (416, 10640), (417, 10646), (425, 10679), (433, 10715), (442, 10742), (461, 10781), (474, 10802), (479, 10814), (573, 11078), (608, 11195), (634, 11291),

Gene: Olak_8 Start: 4439, Stop: 6358, Start Num: 30

Candidate Starts for Olak_8:

(Start: 30 @4439 has 453 MA's), (Start: 36 @4454 has 5 MA's), (Start: 85 @4550 has 7 MA's), (Start: 93 @4565 has 1 MA's), (119, 4676), (165, 4808), (172, 4832), (173, 4838), (175, 4850), (180, 4862),

(242, 5027), (267, 5153), (268, 5156), (269, 5168), (272, 5177), (274, 5189), (298, 5252), (302, 5261), (315, 5297), (321, 5315), (324, 5324), (334, 5372), (354, 5468), (355, 5474), (363, 5510), (369, 5558), (374, 5582), (429, 5777), (459, 5870), (569, 6122), (603, 6257), (617, 6299), (622, 6311),

Gene: Oline_8 Start: 4438, Stop: 6357, Start Num: 30

Candidate Starts for Oline_8:

(Start: 30 @4438 has 453 MA's), (Start: 85 @4549 has 7 MA's), (Start: 93 @4564 has 1 MA's), (119, 4675), (165, 4807), (172, 4831), (173, 4837), (180, 4861), (224, 4975), (242, 5026), (267, 5152), (268, 5155), (269, 5167), (272, 5176), (274, 5188), (298, 5251), (302, 5260), (315, 5296), (321, 5314), (324, 5323), (334, 5371), (354, 5467), (355, 5473), (363, 5509), (369, 5557), (374, 5581), (429, 5776), (459, 5869), (569, 6121), (584, 6181), (603, 6256), (617, 6298), (622, 6310),

Gene: Olive_8 Start: 4453, Stop: 6357, Start Num: 36

Candidate Starts for Olive_8:

(Start: 30 @4438 has 453 MA's), (Start: 36 @4453 has 5 MA's), (Start: 85 @4549 has 7 MA's), (Start: 93 @4564 has 1 MA's), (119, 4675), (165, 4807), (172, 4831), (173, 4837), (175, 4849), (180, 4861), (242, 5026), (267, 5152), (268, 5155), (269, 5167), (272, 5176), (274, 5188), (298, 5251), (302, 5260), (315, 5296), (321, 5314), (324, 5323), (334, 5371), (354, 5467), (355, 5473), (363, 5509), (369, 5557), (374, 5581), (429, 5776), (459, 5869), (569, 6121), (603, 6256), (617, 6298), (622, 6310),

Gene: OliverWalter_8 Start: 4437, Stop: 6356, Start Num: 30

Candidate Starts for OliverWalter_8:

(Start: 30 @4437 has 453 MA's), (Start: 36 @4452 has 5 MA's), (Start: 85 @4548 has 7 MA's), (Start: 93 @4563 has 1 MA's), (119, 4674), (165, 4806), (172, 4830), (173, 4836), (175, 4848), (180, 4860), (242, 5025), (267, 5151), (268, 5154), (269, 5166), (272, 5175), (274, 5187), (298, 5250), (302, 5259), (315, 5295), (321, 5313), (324, 5322), (334, 5370), (354, 5466), (355, 5472), (363, 5508), (369, 5556), (374, 5580), (429, 5775), (459, 5868), (569, 6120), (603, 6255), (617, 6297), (622, 6309),

Gene: Olivio_10 Start: 6163, Stop: 8067, Start Num: 30

Candidate Starts for Olivio_10:

(Start: 30 @6163 has 453 MA's), (39, 6190), (84, 6271), (102, 6334), (119, 6400), (128, 6433), (168, 6541), (198, 6631), (224, 6709), (243, 6766), (253, 6820), (269, 6901), (274, 6922), (285, 6949), (308, 7000), (310, 7009), (315, 7018), (355, 7195), (357, 7207), (369, 7282), (374, 7306), (380, 7327), (411, 7411), (440, 7549), (448, 7567), (459, 7594), (473, 7618), (555, 7783), (558, 7792), (585, 7897), (589, 7906), (594, 7933), (622, 8023), (623, 8026), (632, 8047), (639, 8059),

Gene: Ollypop_20 Start: 8427, Stop: 10322, Start Num: 46

Candidate Starts for Ollypop_20:

(Start: 46 @8427 has 20 MA's), (50, 8436), (70, 8472), (71, 8475), (109, 8598), (115, 8616), (123, 8646), (130, 8667), (139, 8691), (144, 8703), (165, 8742), (170, 8760), (172, 8766), (238, 8940), (253, 9009), (290, 9150), (320, 9201), (357, 9375), (360, 9387), (393, 9537), (411, 9588), (416, 9621), (417, 9627), (425, 9660), (433, 9696), (461, 9762), (479, 9795), (573, 10071), (580, 10092), (586, 10110), (634, 10284),

Gene: Omniscient_8 Start: 4441, Stop: 6360, Start Num: 30

Candidate Starts for Omniscient_8:

(Start: 30 @4441 has 453 MA's), (Start: 36 @4456 has 5 MA's), (Start: 85 @4552 has 7 MA's), (Start: 93 @4567 has 1 MA's), (119, 4678), (165, 4810), (172, 4834), (173, 4840), (175, 4852), (180, 4864), (242, 5029), (267, 5155), (268, 5158), (269, 5170), (272, 5179), (274, 5191), (298, 5254), (302, 5263), (315, 5299), (321, 5317), (324, 5326), (334, 5374), (354, 5470), (355, 5476), (363, 5512), (369, 5560), (374, 5584), (429, 5779), (459, 5872), (569, 6124), (603, 6259), (617, 6301), (622, 6313),

Gene: OneBrain_8 Start: 4551, Stop: 6359, Start Num: 85

Candidate Starts for OneBrain_8:

(Start: 30 @4440 has 453 MA's), (Start: 36 @4455 has 5 MA's), (Start: 85 @4551 has 7 MA's), (Start: 93 @4566 has 1 MA's), (119, 4677), (165, 4809), (172, 4833), (173, 4839), (175, 4851), (180, 4863), (242, 5028), (267, 5154), (268, 5157), (269, 5169), (272, 5178), (274, 5190), (298, 5253), (302, 5262), (315, 5298), (321, 5316), (324, 5325), (334, 5373), (354, 5469), (355, 5475), (363, 5511), (369, 5559), (374, 5583), (429, 5778), (459, 5871), (569, 6123), (603, 6258), (617, 6300), (622, 6312),

Gene: OneinaGillian_21 Start: 7426, Stop: 9225, Start Num: 41

Candidate Starts for OneinaGillian_21:

(Start: 41 @7426 has 55 MA's), (91, 7525), (139, 7690), (165, 7741), (173, 7771), (207, 7837), (284, 8104), (299, 8149), (328, 8236), (330, 8245), (340, 8281), (348, 8317), (356, 8365), (357, 8371), (360, 8383), (365, 8419), (369, 8443), (411, 8578), (433, 8686), (438, 8707), (480, 8788), (491, 8797), (550, 8908), (557, 8926), (566, 8962), (589, 9028), (606, 9097), (613, 9130), (640, 9205),

Gene: Onika_19 Start: 8448, Stop: 10124, Start Num: 12

Candidate Starts for Onika_19:

(Start: 12 @8448 has 40 MA's), (Start: 14 @8457 has 16 MA's), (66, 8571), (69, 8577), (101, 8682), (105, 8694), (128, 8793), (129, 8799), (133, 8811), (151, 8865), (157, 8883), (172, 8937), (180, 8967), (204, 9006), (211, 9024), (213, 9033), (225, 9069), (243, 9132), (256, 9195), (263, 9222), (269, 9267), (320, 9369), (321, 9372), (329, 9411), (334, 9429), (351, 9501), (363, 9567), (364, 9576), (369, 9615), (377, 9648), (386, 9681), (388, 9687), (398, 9717), (404, 9732), (433, 9870), (437, 9885), (447, 9906), (448, 9909),

Gene: Oosterbaan_8 Start: 4442, Stop: 6361, Start Num: 30

Candidate Starts for Oosterbaan_8:

(Start: 30 @4442 has 453 MA's), (Start: 36 @4457 has 5 MA's), (Start: 85 @4553 has 7 MA's), (Start: 93 @4568 has 1 MA's), (119, 4679), (165, 4811), (172, 4835), (173, 4841), (175, 4853), (180, 4865), (242, 5030), (267, 5156), (268, 5159), (269, 5171), (272, 5180), (274, 5192), (298, 5255), (302, 5264), (315, 5300), (321, 5318), (324, 5327), (334, 5375), (354, 5471), (355, 5477), (363, 5513), (369, 5561), (374, 5585), (429, 5780), (459, 5873), (569, 6125), (603, 6260), (617, 6302), (622, 6314),

Gene: Opia_12 Start: 7728, Stop: 9617, Start Num: 30

Candidate Starts for Opia_12:

(Start: 30 @7728 has 453 MA's), (54, 7776), (65, 7800), (Start: 78 @7818 has 11 MA's), (Start: 92 @7851 has 2 MA's), (117, 7959), (150, 8043), (168, 8106), (178, 8142), (199, 8193), (207, 8205), (213, 8226), (241, 8304), (243, 8313), (251, 8358), (269, 8448), (270, 8451), (272, 8457), (274, 8469), (279, 8484), (285, 8496), (319, 8580), (326, 8613), (330, 8631), (343, 8676), (355, 8745), (357, 8757), (369, 8832), (374, 8856), (376, 8862), (383, 8889), (387, 8901), (391, 8907), (404, 8937), (405, 8940), (412, 8967), (425, 9033), (427, 9042), (448, 9117), (463, 9153), (496, 9198), (553, 9336), (555, 9339), (559, 9351), (583, 9438), (585, 9447), (589, 9456), (590, 9471), (597, 9501), (603, 9519), (608, 9534), (617, 9561), (622, 9573), (639, 9609),

Gene: OrangeOswald_11 Start: 6314, Stop: 8218, Start Num: 30

Candidate Starts for OrangeOswald_11:

(Start: 30 @6314 has 453 MA's), (39, 6341), (84, 6422), (102, 6485), (119, 6551), (128, 6584), (168, 6692), (198, 6782), (224, 6860), (243, 6917), (253, 6971), (269, 7052), (274, 7073), (285, 7100), (308, 7151), (310, 7160), (315, 7169), (355, 7346), (357, 7358), (369, 7433), (374, 7457), (380, 7478), (411, 7562), (440, 7700), (448, 7718), (459, 7745), (473, 7769), (555, 7934), (558, 7943), (585, 8048), (589, 8057), (594, 8084), (622, 8174), (632, 8198), (639, 8210),

Gene: Orfeu_8 Start: 4440, Stop: 6359, Start Num: 30

Candidate Starts for Orfeu_8:

(Start: 30 @4440 has 453 MA's), (Start: 85 @4551 has 7 MA's), (Start: 93 @4566 has 1 MA's), (119, 4677), (165, 4809), (172, 4833), (173, 4839), (175, 4851), (180, 4863), (242, 5028), (267, 5154), (268, 5157), (269, 5169), (272, 5178), (274, 5190), (298, 5253), (302, 5262), (315, 5298), (321, 5316), (324, 5325), (334, 5373), (354, 5469), (355, 5475), (363, 5511), (369, 5559), (374, 5583), (429, 5778), (459, 5871), (569, 6123), (603, 6258), (617, 6300), (622, 6312),

Gene: Orion_8 Start: 4439, Stop: 6358, Start Num: 30

Candidate Starts for Orion_8:

(Start: 30 @4439 has 453 MA's), (Start: 36 @4454 has 5 MA's), (Start: 85 @4550 has 7 MA's), (Start: 93 @4565 has 1 MA's), (119, 4676), (165, 4808), (172, 4832), (173, 4838), (175, 4850), (180, 4862), (242, 5027), (267, 5153), (268, 5156), (269, 5168), (272, 5177), (274, 5189), (298, 5252), (302, 5261), (315, 5297), (321, 5315), (324, 5324), (334, 5372), (354, 5468), (355, 5474), (363, 5510), (369, 5558), (374, 5582), (429, 5777), (459, 5870), (569, 6122), (603, 6257), (617, 6299), (622, 6311),

Gene: Orwigg_8 Start: 4442, Stop: 6361, Start Num: 30

Candidate Starts for Orwigg_8:

(Start: 30 @4442 has 453 MA's), (Start: 36 @4457 has 5 MA's), (Start: 85 @4553 has 7 MA's), (Start: 93 @4568 has 1 MA's), (119, 4679), (165, 4811), (172, 4835), (173, 4841), (175, 4853), (180, 4865), (242, 5030), (267, 5156), (268, 5159), (269, 5171), (272, 5180), (274, 5192), (298, 5255), (302, 5264), (315, 5300), (321, 5318), (324, 5327), (334, 5375), (354, 5471), (355, 5477), (363, 5513), (369, 5561), (374, 5585), (429, 5780), (459, 5873), (569, 6125), (603, 6260), (617, 6302), (622, 6314),

Gene: PG1_8 Start: 4439, Stop: 6358, Start Num: 30

Candidate Starts for PG1_8:

(Start: 30 @4439 has 453 MA's), (Start: 36 @4454 has 5 MA's), (Start: 85 @4550 has 7 MA's), (Start: 93 @4565 has 1 MA's), (119, 4676), (165, 4808), (172, 4832), (173, 4838), (175, 4850), (180, 4862), (242, 5027), (267, 5153), (268, 5156), (269, 5168), (272, 5177), (274, 5189), (298, 5252), (302, 5261), (315, 5297), (321, 5315), (324, 5324), (334, 5372), (354, 5468), (355, 5474), (363, 5510), (369, 5558), (374, 5582), (429, 5777), (459, 5870), (569, 6122), (603, 6257), (617, 6299), (622, 6311),

Gene: PR_06 Start: 3403, Stop: 5202, Start Num: 59

Candidate Starts for PR_06:

(Start: 21 @3328 has 7 MA's), (Start: 30 @3346 has 453 MA's), (Start: 59 @3403 has 2 MA's), (109, 3541), (117, 3571), (135, 3625), (173, 3736), (220, 3865), (241, 3922), (243, 3931), (251, 3976), (256, 3994), (271, 4072), (272, 4075), (315, 4159), (323, 4183), (327, 4207), (355, 4336), (357, 4348), (363, 4372), (369, 4423), (383, 4480), (387, 4492), (432, 4666), (459, 4735), (579, 4987), (617, 5128), (622, 5140), (640, 5182),

Gene: Pacifista_8 Start: 4438, Stop: 6357, Start Num: 30

Candidate Starts for Pacifista_8:

(Start: 30 @4438 has 453 MA's), (Start: 85 @4549 has 7 MA's), (Start: 93 @4564 has 1 MA's), (119, 4675), (165, 4807), (172, 4831), (173, 4837), (175, 4849), (180, 4861), (242, 5026), (267, 5152), (268, 5155), (269, 5167), (272, 5176), (274, 5188), (298, 5251), (302, 5260), (315, 5296), (321, 5314), (324, 5323), (334, 5371), (354, 5467), (355, 5473), (363, 5509), (369, 5557), (374, 5581), (429, 5776), (459, 5869), (569, 6121), (603, 6256), (617, 6298), (622, 6310),

Gene: PallasAthena_8 Start: 4442, Stop: 6361, Start Num: 30

Candidate Starts for PallasAthena_8:

(Start: 30 @4442 has 453 MA's), (Start: 36 @4457 has 5 MA's), (Start: 85 @4553 has 7 MA's), (Start: 93 @4568 has 1 MA's), (119, 4679), (165, 4811), (172, 4835), (173, 4841), (175, 4853), (180, 4865), (242, 5030), (267, 5156), (268, 5159), (269, 5171), (272, 5180), (274, 5192), (298, 5255), (302, 5264), (315, 5300), (321, 5318), (324, 5327), (334, 5375), (354, 5471), (355, 5477), (363, 5513), (369, 5561), (374, 5585), (429, 5780), (459, 5873), (569, 6125), (603, 6260), (617, 6302), (622, 6314),

Gene: Panchaali_68 Start: 28678, Stop: 30309, Start Num: 26

Candidate Starts for Panchaali_68:

(Start: 26 @28678 has 9 MA's), (Start: 55 @28738 has 4 MA's), (115, 28915), (116, 28918), (170, 29089), (172, 29095), (241, 29284), (243, 29293), (276, 29455), (304, 29500), (320, 29548), (330, 29596), (335, 29620), (358, 29728), (400, 29893), (460, 30124), (478, 30166), (540, 30298),

Gene: Paries_13 Start: 6785, Stop: 8407, Start Num: 7

Candidate Starts for Paries_13:

(Start: 7 @6785 has 114 MA's), (71, 6944), (81, 6983), (100, 7046), (126, 7139), (133, 7166), (149, 7205), (204, 7325), (208, 7334), (227, 7394), (247, 7463), (251, 7484), (256, 7502), (259, 7517), (261, 7523), (273, 7586), (316, 7646), (320, 7658), (328, 7697), (331, 7709), (334, 7718), (343, 7763), (349, 7793), (356, 7838), (359, 7853), (360, 7856), (365, 7892), (374, 7940), (377, 7949), (384, 7976), (431, 8153), (453, 8210), (457, 8216), (464, 8231), (472, 8252), (474, 8258), (496, 8294), (505, 8321),

Gene: Paschalis_19 Start: 8434, Stop: 10140, Start Num: 12

Candidate Starts for Paschalis_19:

(Start: 12 @8434 has 40 MA's), (Start: 14 @8443 has 16 MA's), (20, 8458), (66, 8557), (69, 8563), (101, 8668), (105, 8680), (128, 8779), (129, 8785), (133, 8797), (151, 8851), (157, 8869), (172, 8923), (180, 8953), (204, 8992), (211, 9010), (213, 9019), (225, 9055), (243, 9118), (256, 9181), (263, 9208), (269, 9253), (320, 9355), (321, 9358), (329, 9397), (334, 9415), (351, 9487), (363, 9553), (364, 9562), (369, 9601), (377, 9634), (386, 9667), (388, 9673), (398, 9703), (433, 9856), (437, 9871), (447, 9892), (448, 9895), (529, 10108),

Gene: Patbob_74 Start: 33329, Stop: 35014, Start Num: 22

Candidate Starts for Patbob_74:

(Start: 22 @33329 has 3 MA's), (Start: 26 @33335 has 9 MA's), (Start: 78 @33440 has 11 MA's), (113, 33563), (116, 33575), (157, 33698), (243, 33950), (251, 33995), (301, 34151), (304, 34160), (307, 34172), (320, 34208), (325, 34229), (363, 34406), (451, 34760), (478, 34826), (480, 34832), (523, 34958), (526, 34967), (540, 35003),

Gene: PauloDiaboli_82 Start: 29189, Stop: 30925, Start Num: 34

Candidate Starts for PauloDiaboli_82:

(Start: 34 @29189 has 9 MA's), (64, 29252), (71, 29261), (97, 29339), (113, 29411), (115, 29420), (121, 29444), (124, 29453), (153, 29534), (181, 29627), (211, 29684), (241, 29807), (251, 29861), (274, 29969), (320, 30080), (329, 30122), (349, 30203), (352, 30224), (364, 30287), (373, 30347), (382, 30380), (401, 30428), (415, 30488), (437, 30599), (479, 30707), (516, 30827), (522, 30851),

Gene: PenguinLover67_12 Start: 7600, Stop: 9486, Start Num: 30

Candidate Starts for PenguinLover67_12:

(Start: 30 @7600 has 453 MA's), (Start: 92 @7714 has 2 MA's), (117, 7822), (147, 7900), (150, 7906), (165, 7957), (173, 7987), (210, 8047), (213, 8062), (225, 8098), (228, 8113), (251, 8197), (259, 8230), (269, 8287), (274, 8308), (285, 8335), (291, 8356), (301, 8377), (305, 8389), (331, 8482), (334, 8491), (347, 8542), (355, 8593), (374, 8704), (383, 8737), (387, 8749), (412, 8815), (448, 8965), (450, 8971), (461, 8995), (492, 9046), (541, 9178), (547, 9190), (557, 9208), (584, 9310), (589, 9322), (605, 9391), (606, 9394),

Gene: Pepe25_20 Start: 7682, Stop: 9481, Start Num: 41

Candidate Starts for Pepe25_20:

(Start: 41 @7682 has 55 MA's), (165, 7997), (173, 8027), (207, 8093), (284, 8360), (328, 8492), (340, 8537), (348, 8573), (356, 8621), (357, 8627), (360, 8639), (365, 8675), (369, 8699), (411, 8834), (433, 8942), (438, 8963), (461, 9008), (480, 9044), (557, 9182), (566, 9218), (589, 9284), (606, 9353), (613, 9386), (638, 9455),

Gene: Phabia_22 Start: 8559, Stop: 10385, Start Num: 41

Candidate Starts for Phabia_22:

(Start: 41 @8559 has 55 MA's), (105, 8709), (144, 8844), (165, 8883), (191, 8961), (207, 8979), (256, 9129), (259, 9144), (269, 9201), (291, 9270), (312, 9318), (316, 9327), (349, 9462), (356, 9507), (357, 9513), (360, 9525), (369, 9585), (411, 9714), (412, 9720), (416, 9747), (440, 9846), (462, 9891), (557, 10086), (566, 10122), (573, 10140), (587, 10185),

Gene: Phaedrus_10 Start: 6231, Stop: 8135, Start Num: 30

Candidate Starts for Phaedrus_10:

(Start: 30 @6231 has 453 MA's), (39, 6258), (84, 6339), (102, 6402), (119, 6468), (128, 6501), (168, 6609), (198, 6699), (224, 6777), (243, 6834), (253, 6888), (269, 6969), (274, 6990), (285, 7017), (308, 7068), (310, 7077), (315, 7086), (355, 7263), (357, 7275), (369, 7350), (374, 7374), (380, 7395), (411, 7479), (440, 7617), (448, 7635), (459, 7662), (473, 7686), (555, 7851), (558, 7860), (585, 7965), (589, 7974), (594, 8001), (622, 8091), (623, 8094), (632, 8115), (639, 8127),

Gene: Phamished_8 Start: 4438, Stop: 6357, Start Num: 30

Candidate Starts for Phamished_8:

(Start: 30 @4438 has 453 MA's), (Start: 36 @4453 has 5 MA's), (Start: 85 @4549 has 7 MA's), (Start: 93 @4564 has 1 MA's), (119, 4675), (165, 4807), (172, 4831), (173, 4837), (175, 4849), (180, 4861), (242, 5026), (267, 5152), (268, 5155), (269, 5167), (272, 5176), (274, 5188), (298, 5251), (302, 5260), (315, 5296), (321, 5314), (324, 5323), (334, 5371), (354, 5467), (355, 5473), (363, 5509), (369, 5557), (374, 5581), (429, 5776), (459, 5869), (569, 6121), (603, 6256), (617, 6298), (622, 6310),

Gene: Phantasmagoria_12 Start: 7728, Stop: 9617, Start Num: 30

Candidate Starts for Phantasmagoria_12:

(Start: 30 @7728 has 453 MA's), (54, 7776), (65, 7800), (Start: 78 @7818 has 11 MA's), (Start: 92 @7851 has 2 MA's), (117, 7959), (150, 8043), (168, 8106), (178, 8142), (199, 8193), (213, 8226), (241, 8304), (243, 8313), (251, 8358), (269, 8448), (270, 8451), (272, 8457), (274, 8469), (279, 8484), (285, 8496), (319, 8580), (326, 8613), (330, 8631), (343, 8676), (355, 8745), (357, 8757), (369, 8832), (374, 8856), (376, 8862), (383, 8889), (387, 8901), (391, 8907), (404, 8937), (405, 8940), (412, 8967), (425, 9033), (427, 9042), (448, 9117), (463, 9153), (496, 9198), (553, 9336), (555, 9339), (559, 9351), (583, 9438), (585, 9447), (589, 9456), (590, 9471), (597, 9501), (603, 9519), (608, 9534), (617, 9561), (622, 9573), (639, 9609),

Gene: Phareon_8 Start: 4441, Stop: 6360, Start Num: 30

Candidate Starts for Phareon_8:

(Start: 30 @4441 has 453 MA's), (Start: 36 @4456 has 5 MA's), (Start: 85 @4552 has 7 MA's), (Start: 93 @4567 has 1 MA's), (119, 4678), (165, 4810), (172, 4834), (173, 4840), (175, 4852), (180, 4864), (242, 5029), (267, 5155), (268, 5158), (269, 5170), (272, 5179), (274, 5191), (298, 5254), (302, 5263), (315, 5299), (321, 5317), (324, 5326), (334, 5374), (354, 5470), (355, 5476), (363, 5512), (369, 5560), (374, 5584), (429, 5779), (459, 5872), (569, 6124), (603, 6259), (617, 6301), (622, 6313),

Gene: PhatCats2014_8 Start: 4442, Stop: 6361, Start Num: 30

Candidate Starts for PhatCats2014_8:

(Start: 30 @4442 has 453 MA's), (Start: 36 @4457 has 5 MA's), (Start: 85 @4553 has 7 MA's), (Start: 93 @4568 has 1 MA's), (119, 4679), (165, 4811), (172, 4835), (173, 4841), (175, 4853), (180, 4865), (242, 5030), (267, 5156), (268, 5159), (269, 5171), (272, 5180), (274, 5192), (298, 5255), (302, 5264), (315, 5300), (321, 5318), (324, 5327), (334, 5375), (354, 5471), (355, 5477), (363, 5513), (369, 5561), (374, 5585), (429, 5780), (459, 5873), (569, 6125), (603, 6260), (617, 6302), (622, 6314),

Gene: PhatLouie_8 Start: 4441, Stop: 6360, Start Num: 30

Candidate Starts for PhatLouie_8:

(Start: 30 @4441 has 453 MA's), (Start: 85 @4552 has 7 MA's), (Start: 93 @4567 has 1 MA's), (119, 4678), (165, 4810), (172, 4834), (173, 4840), (175, 4852), (180, 4864), (242, 5029), (267, 5155), (268, 5158), (269, 5170), (272, 5179), (274, 5191), (298, 5254), (302, 5263), (315, 5299), (321, 5317), (324, 5326), (334, 5374), (354, 5470), (355, 5476), (363, 5512), (369, 5560), (374, 5584), (429, 5779), (459, 5872), (569, 6124), (603, 6259), (617, 6301), (622, 6313),

Gene: Phauci_6 Start: 3603, Stop: 5237, Start Num: 7

Candidate Starts for Phauci_6:

(Start: 7 @3603 has 114 MA's), (9, 3630), (11, 3639), (Start: 22 @3675 has 3 MA's), (49, 3741), (Start: 78 @3798 has 11 MA's), (88, 3831), (100, 3876), (106, 3906), (108, 3915), (116, 3939), (119, 3954), (149, 4035), (166, 4092), (203, 4152), (208, 4164), (213, 4182), (227, 4224), (251, 4314), (256, 4332), (259, 4347), (261, 4353), (271, 4407), (280, 4428), (320, 4488), (321, 4491), (334, 4548), (337, 4572), (343, 4593), (349, 4623), (356, 4668), (360, 4686), (364, 4707), (374, 4770), (380, 4791), (384, 4806), (405, 4857), (428, 4962), (431, 4983), (439, 5013), (449, 5031), (474, 5097), (484, 5118), (506, 5172),

Gene: Phayeta_11 Start: 6190, Stop: 8094, Start Num: 30

Candidate Starts for Phayeta_11:

(Start: 30 @6190 has 453 MA's), (39, 6217), (84, 6298), (102, 6361), (119, 6427), (128, 6460), (168, 6568), (198, 6658), (224, 6736), (243, 6793), (253, 6847), (269, 6928), (274, 6949), (285, 6976), (308, 7027), (310, 7036), (315, 7045), (355, 7222), (357, 7234), (369, 7309), (374, 7333), (380, 7354), (411, 7438), (440, 7576), (448, 7594), (459, 7621), (473, 7645), (555, 7810), (558, 7819), (585, 7924), (589, 7933), (594, 7960), (622, 8050), (623, 8053), (632, 8074), (639, 8086),

Gene: PhedwardCullen_19 Start: 8217, Stop: 9884, Start Num: 14

Candidate Starts for PhedwardCullen_19:

(Start: 12 @8208 has 40 MA's), (Start: 14 @8217 has 16 MA's), (20, 8232), (66, 8331), (69, 8337), (101, 8442), (105, 8454), (128, 8553), (129, 8559), (133, 8571), (151, 8625), (157, 8643), (172, 8697), (180, 8727), (204, 8766), (211, 8784), (213, 8793), (225, 8829), (243, 8892), (256, 8955), (263, 8982), (269, 9027), (320, 9129), (321, 9132), (329, 9171), (334, 9189), (351, 9261), (363, 9327), (364, 9336), (369, 9375), (377, 9408), (386, 9441), (388, 9447), (398, 9477), (404, 9492), (433, 9630), (437, 9645), (447, 9666), (448, 9669),

Gene: Phelemich_10 Start: 6971, Stop: 8836, Start Num: 30

Candidate Starts for Phelemich_10:

(Start: 30 @6971 has 453 MA's), (Start: 36 @6986 has 5 MA's), (96, 7091), (101, 7127), (105, 7139), (106, 7148), (128, 7226), (148, 7271), (172, 7346), (173, 7352), (220, 7451), (225, 7463), (228, 7478), (243, 7517), (251, 7562), (259, 7595), (270, 7655), (274, 7673), (324, 7799), (334, 7847), (340, 7871), (348, 7907), (355, 7949), (369, 8036), (374, 8060), (383, 8093), (387, 8105), (392, 8117), (404, 8141), (448, 8321), (473, 8372), (552, 8540), (559, 8558), (563, 8570), (568, 8594), (584, 8660), (612, 8765), (639, 8828), (640, 8831),

Gene: Phendrix_65 Start: 24534, Stop: 26360, Start Num: 16

Candidate Starts for Phendrix_65:

(Start: 16 @24534 has 1 MA's), (Start: 23 @24546 has 1 MA's), (40, 24591), (51, 24615), (89, 24702), (111, 24786), (113, 24789), (125, 24834), (188, 25047), (219, 25146), (224, 25170), (251, 25290), (258, 25320), (264, 25338), (267, 25365), (310, 25461), (320, 25485), (328, 25524), (332, 25539), (343, 25578), (344, 25581), (345, 25584), (353, 25632), (357, 25659), (363, 25683), (375, 25758), (376, 25761), (377, 25764), (380, 25776), (382, 25785), (387, 25800), (434, 25998), (454, 26049), (483, 26124), (499, 26145), (528, 26262),

Gene: PhenghisKhan_8 Start: 4438, Stop: 6357, Start Num: 30

Candidate Starts for PhenghisKhan_8:

(Start: 30 @4438 has 453 MA's), (Start: 85 @4549 has 7 MA's), (Start: 93 @4564 has 1 MA's), (119, 4675), (165, 4807), (172, 4831), (173, 4837), (180, 4861), (224, 4975), (242, 5026), (267, 5152), (268, 5155), (269, 5167), (272, 5176), (274, 5188), (298, 5251), (302, 5260), (315, 5296), (321, 5314), (324, 5323), (334, 5371), (354, 5467), (355, 5473), (363, 5509), (369, 5557), (374, 5581), (429, 5776), (459, 5869), (569, 6121), (584, 6181), (603, 6256), (617, 6298), (622, 6310),

Gene: Pherdinand_8 Start: 4439, Stop: 6358, Start Num: 30

Candidate Starts for Pherdinand_8:

(Start: 30 @4439 has 453 MA's), (Start: 36 @4454 has 5 MA's), (Start: 85 @4550 has 7 MA's), (Start: 93 @4565 has 1 MA's), (119, 4676), (165, 4808), (172, 4832), (173, 4838), (175, 4850), (180, 4862), (242, 5027), (267, 5153), (268, 5156), (269, 5168), (272, 5177), (274, 5189), (298, 5252), (302, 5261), (315, 5297), (321, 5315), (324, 5324), (334, 5372), (354, 5468), (355, 5474), (363, 5510), (369, 5558), (374, 5582), (429, 5777), (459, 5870), (569, 6122), (603, 6257), (617, 6299), (622, 6311),

Gene: Phergie_8 Start: 4438, Stop: 6357, Start Num: 30

Candidate Starts for Phergie_8:

(Start: 30 @4438 has 453 MA's), (Start: 85 @4549 has 7 MA's), (Start: 93 @4564 has 1 MA's), (119, 4675), (165, 4807), (172, 4831), (173, 4837), (180, 4861), (224, 4975), (242, 5026), (267, 5152), (268, 5155), (269, 5167), (272, 5176), (274, 5188), (298, 5251), (302, 5260), (315, 5296), (321, 5314), (324, 5323), (334, 5371), (354, 5467), (355, 5473), (363, 5509), (369, 5557), (374, 5581), (429, 5776), (459, 5869), (569, 6121), (584, 6181), (603, 6256), (617, 6298), (622, 6310),

Gene: Philly_10 Start: 6204, Stop: 8108, Start Num: 30

Candidate Starts for Philly_10:

(Start: 30 @6204 has 453 MA's), (39, 6231), (84, 6312), (102, 6375), (119, 6441), (128, 6474), (168, 6582), (198, 6672), (224, 6750), (243, 6807), (253, 6861), (269, 6942), (274, 6963), (285, 6990), (308, 7041), (310, 7050), (315, 7059), (355, 7236), (357, 7248), (369, 7323), (374, 7347), (380, 7368), (411, 7452), (440, 7590), (448, 7608), (459, 7635), (473, 7659), (555, 7824), (558, 7833), (585, 7938), (589, 7947), (594, 7974), (622, 8064), (632, 8088), (639, 8100),

Gene: Phinally_13 Start: 7070, Stop: 8704, Start Num: 7

Candidate Starts for Phinally_13:

(Start: 7 @7070 has 114 MA's), (9, 7097), (11, 7106), (Start: 22 @7142 has 3 MA's), (Start: 38 @7184 has 1 MA's), (49, 7208), (Start: 78 @7265 has 11 MA's), (88, 7298), (100, 7343), (106, 7373), (108, 7382), (116, 7406), (119, 7421), (149, 7502), (166, 7559), (203, 7619), (208, 7631), (213, 7649), (227, 7691), (251, 7781), (256, 7799), (259, 7814), (261, 7820), (271, 7874), (280, 7895), (320, 7955), (321, 7958), (334, 8015), (337, 8039), (349, 8090), (356, 8135), (360, 8153), (364, 8174), (374, 8237), (380, 8258), (384, 8273), (405, 8324), (428, 8429), (431, 8450), (439, 8480), (449, 8498), (474, 8564), (484, 8585), (506, 8639),

Gene: Phinky_28 Start: 9498, Stop: 11324, Start Num: 41

Candidate Starts for Phinky_28:

(Start: 41 @9498 has 55 MA's), (52, 9519), (105, 9648), (165, 9825), (186, 9897), (190, 9906), (191, 9909), (226, 9993), (271, 10158), (294, 10224), (349, 10401), (356, 10446), (357, 10452), (360, 10464), (369, 10524), (411, 10653), (412, 10659), (425, 10725), (440, 10785), (557, 11025), (589, 11127), (638, 11298), (642, 11316),

Gene: Phipps_8 Start: 4441, Stop: 6360, Start Num: 30

Candidate Starts for Phipps_8:

(Start: 30 @4441 has 453 MA's), (Start: 85 @4552 has 7 MA's), (Start: 93 @4567 has 1 MA's), (119, 4678), (165, 4810), (172, 4834), (173, 4840), (175, 4852), (180, 4864), (242, 5029), (267, 5155), (268, 5158), (269, 5170), (272, 5179), (274, 5191), (298, 5254), (302, 5263), (315, 5299), (321, 5317), (324, 5326), (334, 5374), (354, 5470), (355, 5476), (363, 5512), (369, 5560), (374, 5584), (429, 5779), (459, 5870),

5872), (569, 6124), (603, 6259), (617, 6301), (622, 6313),

Gene: Phleuron_8 Start: 4438, Stop: 6357, Start Num: 30

Candidate Starts for Phleuron_8:

(Start: 30 @4438 has 453 MA's), (Start: 85 @4549 has 7 MA's), (Start: 93 @4564 has 1 MA's), (119, 4675), (165, 4807), (172, 4831), (173, 4837), (180, 4861), (224, 4975), (242, 5026), (267, 5152), (268, 5155), (269, 5167), (272, 5176), (274, 5188), (298, 5251), (302, 5260), (315, 5296), (321, 5314), (324, 5323), (334, 5371), (354, 5467), (355, 5473), (363, 5509), (369, 5557), (374, 5581), (429, 5776), (459, 5869), (569, 6121), (584, 6181), (603, 6256), (617, 6298), (622, 6310),

Gene: Phlop_12 Start: 5562, Stop: 7145, Start Num: 7

Candidate Starts for Phlop_12:

(Start: 7 @5562 has 114 MA's), (42, 5676), (108, 5844), (150, 5964), (156, 5982), (159, 5997), (230, 6147), (242, 6177), (253, 6237), (254, 6240), (265, 6279), (280, 6351), (320, 6411), (321, 6414), (322, 6417), (329, 6453), (331, 6462), (333, 6468), (334, 6471), (349, 6534), (356, 6579), (363, 6609), (369, 6657), (384, 6714), (391, 6735), (396, 6741), (404, 6762), (412, 6792), (420, 6843), (431, 6891),

Gene: Phlyer_11 Start: 7071, Stop: 8975, Start Num: 30

Candidate Starts for Phlyer_11:

(Start: 30 @7071 has 453 MA's), (39, 7098), (84, 7179), (102, 7242), (119, 7308), (128, 7341), (168, 7449), (198, 7539), (224, 7617), (243, 7674), (253, 7728), (269, 7809), (274, 7830), (285, 7857), (308, 7908), (310, 7917), (315, 7926), (355, 8103), (357, 8115), (369, 8190), (374, 8214), (380, 8235), (411, 8319), (440, 8457), (448, 8475), (459, 8502), (473, 8526), (555, 8691), (558, 8700), (585, 8805), (589, 8814), (594, 8841), (622, 8931), (623, 8934), (632, 8955), (639, 8967),

Gene: Phorgeous_19 Start: 8286, Stop: 9992, Start Num: 12

Candidate Starts for Phorgeous_19:

(Start: 12 @8286 has 40 MA's), (Start: 14 @8295 has 16 MA's), (20, 8310), (66, 8409), (69, 8415), (101, 8520), (105, 8532), (128, 8631), (129, 8637), (151, 8703), (157, 8721), (172, 8775), (180, 8805), (204, 8844), (211, 8862), (213, 8871), (225, 8907), (243, 8970), (256, 9033), (263, 9060), (269, 9105), (320, 9207), (321, 9210), (329, 9249), (334, 9267), (351, 9339), (363, 9405), (364, 9414), (369, 9453), (377, 9486), (386, 9519), (388, 9525), (398, 9555), (433, 9708), (437, 9723), (447, 9744), (448, 9747), (524, 9951), (529, 9960),

Gene: Phrampa_68 Start: 30361, Stop: 32055, Start Num: 26

Candidate Starts for Phrampa_68:

(Start: 22 @30355 has 3 MA's), (Start: 26 @30361 has 9 MA's), (Start: 78 @30463 has 11 MA's), (113, 30586), (116, 30598), (128, 30646), (157, 30721), (181, 30802), (243, 30973), (251, 31018), (269, 31105), (301, 31174), (304, 31183), (320, 31231), (325, 31252), (331, 31282), (363, 31429), (451, 31783), (480, 31855), (523, 31996), (526, 32005), (540, 32044),

Gene: Phrancesco_21 Start: 8565, Stop: 10271, Start Num: 12

Candidate Starts for Phrancesco_21:

(Start: 12 @8565 has 40 MA's), (Start: 14 @8574 has 16 MA's), (20, 8589), (66, 8688), (69, 8694), (101, 8799), (105, 8811), (128, 8910), (129, 8916), (151, 8982), (157, 9000), (172, 9054), (180, 9084), (204, 9123), (211, 9141), (213, 9150), (225, 9186), (243, 9249), (256, 9312), (263, 9339), (269, 9384), (320, 9486), (321, 9489), (329, 9528), (334, 9546), (351, 9618), (363, 9684), (364, 9693), (369, 9732), (377, 9765), (386, 9798), (388, 9804), (398, 9834), (433, 9987), (437, 10002), (447, 10023), (448, 10026), (529, 10239),

Gene: PhrankReynolds_8 Start: 4438, Stop: 6357, Start Num: 30

Candidate Starts for PhrankReynolds_8:

(Start: 30 @4438 has 453 MA's), (Start: 85 @4549 has 7 MA's), (Start: 93 @4564 has 1 MA's), (119, 4675), (165, 4807), (172, 4831), (173, 4837), (180, 4861), (224, 4975), (242, 5026), (267, 5152), (268, 5155), (269, 5167), (272, 5176), (274, 5188), (298, 5251), (302, 5260), (315, 5296), (321, 5314), (324, 5323), (334, 5371), (354, 5467), (355, 5473), (363, 5509), (369, 5557), (374, 5581), (429, 5776), (459, 5869), (569, 6121), (584, 6181), (603, 6256), (617, 6298), (622, 6310),

Gene: PhrodoBaggins_8 Start: 4441, Stop: 6360, Start Num: 30

Candidate Starts for PhrodoBaggins_8:

(Start: 30 @4441 has 453 MA's), (Start: 36 @4456 has 5 MA's), (Start: 85 @4552 has 7 MA's), (Start: 93 @4567 has 1 MA's), (119, 4678), (165, 4810), (172, 4834), (173, 4840), (175, 4852), (180, 4864), (242, 5029), (267, 5155), (268, 5158), (269, 5170), (272, 5179), (274, 5191), (298, 5254), (302, 5263), (315, 5299), (321, 5317), (324, 5326), (334, 5374), (354, 5470), (355, 5476), (363, 5512), (369, 5560), (374, 5584), (429, 5779), (459, 5872), (569, 6124), (603, 6259), (617, 6301), (622, 6313),

Gene: Phunky_8 Start: 4441, Stop: 6360, Start Num: 30

Candidate Starts for Phunky_8:

(Start: 30 @4441 has 453 MA's), (Start: 36 @4456 has 5 MA's), (Start: 85 @4552 has 7 MA's), (Start: 93 @4567 has 1 MA's), (119, 4678), (165, 4810), (172, 4834), (173, 4840), (175, 4852), (180, 4864), (242, 5029), (267, 5155), (268, 5158), (269, 5170), (272, 5179), (274, 5191), (298, 5254), (302, 5263), (315, 5299), (321, 5317), (324, 5326), (334, 5374), (354, 5470), (355, 5476), (363, 5512), (369, 5560), (374, 5584), (429, 5779), (459, 5872), (569, 6124), (603, 6259), (617, 6301), (622, 6313),

Gene: PhuzzTulsa_20 Start: 9233, Stop: 11119, Start Num: 46

Candidate Starts for PhuzzTulsa_20:

(Start: 46 @9233 has 20 MA's), (50, 9242), (71, 9281), (109, 9404), (115, 9422), (130, 9473), (139, 9497), (172, 9572), (253, 9815), (320, 10007), (357, 10181), (360, 10193), (393, 10343), (411, 10394), (416, 10427), (417, 10433), (425, 10466), (433, 10502), (442, 10529), (461, 10568), (474, 10589), (479, 10601), (573, 10865), (608, 10982), (634, 11078),

Gene: PierreOrion_20 Start: 8589, Stop: 10295, Start Num: 12

Candidate Starts for PierreOrion_20:

(Start: 12 @8589 has 40 MA's), (Start: 14 @8598 has 16 MA's), (20, 8613), (66, 8712), (69, 8718), (101, 8823), (105, 8835), (128, 8934), (129, 8940), (133, 8952), (151, 9006), (157, 9024), (172, 9078), (180, 9108), (204, 9147), (211, 9165), (213, 9174), (225, 9210), (243, 9273), (256, 9336), (263, 9363), (269, 9408), (320, 9510), (321, 9513), (329, 9552), (334, 9570), (351, 9642), (363, 9708), (364, 9717), (369, 9756), (377, 9789), (386, 9822), (388, 9828), (398, 9858), (433, 10011), (437, 10026), (447, 10047), (448, 10050), (529, 10263),

Gene: Piglet_008 Start: 4441, Stop: 6360, Start Num: 30

Candidate Starts for Piglet_008:

(Start: 30 @4441 has 453 MA's), (Start: 36 @4456 has 5 MA's), (Start: 85 @4552 has 7 MA's), (Start: 93 @4567 has 1 MA's), (119, 4678), (165, 4810), (172, 4834), (173, 4840), (175, 4852), (180, 4864), (242, 5029), (267, 5155), (268, 5158), (269, 5170), (272, 5179), (274, 5191), (298, 5254), (302, 5263), (315, 5299), (321, 5317), (324, 5326), (334, 5374), (354, 5470), (355, 5476), (363, 5512), (369, 5560), (374, 5584), (429, 5779), (459, 5872), (569, 6124), (603, 6259), (617, 6301), (622, 6313),

Gene: Pine5_11 Start: 6413, Stop: 8443, Start Num: 73

Candidate Starts for Pine5_11:

(Start: 41 @6338 has 55 MA's), (56, 6371), (60, 6380), (73, 6413), (161, 6716), (215, 6875), (272, 7112), (355, 7397), (405, 7592), (419, 7667), (428, 7697), (483, 7868), (485, 7871), (486, 7874), (488, 7883), (545, 8096), (555, 8135), (577, 8207), (598, 8303), (602, 8315), (603, 8318), (604, 8321), (617, 8360), (627, 8387), (629, 8390), (639, 8420), (640, 8423), (641, 8432),

Gene: PinheadLarry_8 Start: 4441, Stop: 6360, Start Num: 30

Candidate Starts for PinheadLarry_8:

(Start: 30 @4441 has 453 MA's), (Start: 36 @4456 has 5 MA's), (Start: 85 @4552 has 7 MA's), (Start: 93 @4567 has 1 MA's), (119, 4678), (165, 4810), (172, 4834), (173, 4840), (175, 4852), (180, 4864), (242, 5029), (267, 5155), (268, 5158), (269, 5170), (272, 5179), (274, 5191), (298, 5254), (302, 5263), (315, 5299), (321, 5317), (324, 5326), (334, 5374), (354, 5470), (355, 5476), (363, 5512), (369, 5560), (374, 5584), (429, 5779), (459, 5872), (569, 6124), (603, 6259), (617, 6301), (622, 6313),

Gene: PinkCoffee_12 Start: 5592, Stop: 7178, Start Num: 7

Candidate Starts for PinkCoffee_12:

(Start: 7 @5592 has 114 MA's), (101, 5844), (108, 5874), (149, 5991), (156, 6012), (159, 6027), (240, 6201), (249, 6243), (253, 6267), (254, 6270), (265, 6309), (280, 6381), (320, 6441), (321, 6444), (322, 6447), (329, 6483), (331, 6492), (333, 6498), (334, 6501), (349, 6564), (356, 6609), (363, 6639), (369, 6687), (384, 6744), (391, 6765), (404, 6792), (405, 6795), (412, 6822), (420, 6873), (431, 6921),

Gene: Pinkman_8 Start: 4438, Stop: 6357, Start Num: 30

Candidate Starts for Pinkman_8:

(Start: 30 @4438 has 453 MA's), (Start: 85 @4549 has 7 MA's), (Start: 93 @4564 has 1 MA's), (119, 4675), (165, 4807), (172, 4831), (173, 4837), (180, 4861), (224, 4975), (242, 5026), (267, 5152), (268, 5155), (269, 5167), (272, 5176), (274, 5188), (298, 5251), (302, 5260), (315, 5296), (321, 5314), (324, 5323), (334, 5371), (354, 5467), (355, 5473), (363, 5509), (369, 5557), (374, 5581), (429, 5776), (459, 5869), (569, 6121), (584, 6181), (603, 6256), (617, 6298), (622, 6310),

Gene: Pipefish_11 Start: 7209, Stop: 9104, Start Num: 30

Candidate Starts for Pipefish_11:

(Start: 30 @7209 has 453 MA's), (39, 7236), (84, 7317), (102, 7380), (119, 7446), (128, 7479), (168, 7587), (198, 7677), (224, 7755), (243, 7812), (253, 7866), (269, 7947), (274, 7968), (285, 7995), (308, 8046), (310, 8055), (315, 8064), (355, 8241), (357, 8253), (369, 8328), (374, 8352), (380, 8373), (411, 8457), (440, 8595), (448, 8613), (459, 8640), (473, 8664), (555, 8820), (558, 8829), (585, 8934), (589, 8943), (594, 8970), (603, 9006), (622, 9060), (623, 9063), (632, 9084), (639, 9096),

Gene: PiperSansNom_20 Start: 8738, Stop: 10444, Start Num: 12

Candidate Starts for PiperSansNom_20:

(Start: 12 @8738 has 40 MA's), (Start: 14 @8747 has 16 MA's), (20, 8762), (66, 8861), (69, 8867), (101, 8972), (105, 8984), (128, 9083), (129, 9089), (133, 9101), (151, 9155), (157, 9173), (172, 9227), (180, 9257), (204, 9296), (211, 9314), (213, 9323), (225, 9359), (243, 9422), (256, 9485), (263, 9512), (320, 9659), (321, 9662), (329, 9701), (334, 9719), (351, 9791), (363, 9857), (364, 9866), (369, 9905), (377, 9938), (386, 9971), (388, 9977), (398, 10007), (433, 10160), (437, 10175), (447, 10196), (448, 10199), (524, 10403), (529, 10412),

Gene: Piperis_20 Start: 8441, Stop: 10117, Start Num: 12

Candidate Starts for Piperis_20:

(Start: 12 @8441 has 40 MA's), (Start: 14 @8450 has 16 MA's), (20, 8465), (66, 8564), (69, 8570), (101, 8675), (105, 8687), (128, 8786), (129, 8792), (133, 8804), (151, 8858), (157, 8876), (172, 8930), (180, 8960), (204, 8999), (211, 9017), (213, 9026), (225, 9062), (243, 9125), (256, 9188), (263, 9215), (269, 9260), (320, 9362), (321, 9365), (329, 9404), (334, 9422), (351, 9494), (363, 9560), (364, 9569), (369, 9608), (377, 9641), (386, 9674), (388, 9680), (398, 9710), (433, 9863), (437, 9878), (447, 9899), (448, 9902),

Gene: Pipsqueak_8 Start: 4441, Stop: 6360, Start Num: 30

Candidate Starts for Pipsqueak_8:

(Start: 30 @4441 has 453 MA's), (Start: 36 @4456 has 5 MA's), (Start: 85 @4552 has 7 MA's), (Start: 93 @4567 has 1 MA's), (119, 4678), (165, 4810), (172, 4834), (173, 4840), (175, 4852), (180, 4864),

(242, 5029), (267, 5155), (268, 5158), (269, 5170), (272, 5179), (274, 5191), (298, 5254), (302, 5263), (315, 5299), (321, 5317), (324, 5326), (334, 5374), (354, 5470), (355, 5476), (363, 5512), (369, 5560), (374, 5584), (429, 5779), (459, 5872), (569, 6124), (603, 6259), (617, 6301), (622, 6313),

Gene: Placalicious_8 Start: 4441, Stop: 6360, Start Num: 30

Candidate Starts for Placalicious_8:

(Start: 30 @4441 has 453 MA's), (Start: 36 @4456 has 5 MA's), (Start: 85 @4552 has 7 MA's), (Start: 93 @4567 has 1 MA's), (119, 4678), (165, 4810), (172, 4834), (173, 4840), (175, 4852), (180, 4864), (242, 5029), (267, 5155), (268, 5158), (269, 5170), (272, 5179), (274, 5191), (298, 5254), (302, 5263), (315, 5299), (321, 5317), (324, 5326), (334, 5374), (354, 5470), (355, 5476), (363, 5512), (369, 5560), (374, 5584), (429, 5779), (459, 5872), (569, 6124), (603, 6259), (617, 6301), (622, 6313),

Gene: Plata_8 Start: 4551, Stop: 6359, Start Num: 85

Candidate Starts for Plata_8:

(Start: 30 @4440 has 453 MA's), (Start: 85 @4551 has 7 MA's), (Start: 93 @4566 has 1 MA's), (119, 4677), (165, 4809), (172, 4833), (173, 4839), (175, 4851), (180, 4863), (242, 5028), (267, 5154), (268, 5157), (269, 5169), (272, 5178), (274, 5190), (298, 5253), (302, 5262), (315, 5298), (321, 5316), (324, 5325), (334, 5373), (354, 5469), (355, 5475), (363, 5511), (369, 5559), (374, 5583), (429, 5778), (459, 5871), (569, 6123), (603, 6258), (617, 6300), (622, 6312),

Gene: Plmatters_8 Start: 4441, Stop: 6360, Start Num: 30

Candidate Starts for Plmatters_8:

(Start: 30 @4441 has 453 MA's), (Start: 85 @4552 has 7 MA's), (Start: 93 @4567 has 1 MA's), (119, 4678), (165, 4810), (172, 4834), (173, 4840), (175, 4852), (180, 4864), (242, 5029), (267, 5155), (268, 5158), (269, 5170), (272, 5179), (274, 5191), (298, 5254), (302, 5263), (315, 5299), (321, 5317), (324, 5326), (334, 5374), (354, 5470), (355, 5476), (363, 5512), (369, 5560), (374, 5584), (429, 5779), (459, 5872), (569, 6124), (603, 6259), (617, 6301), (622, 6313),

Gene: Podrick_8 Start: 4441, Stop: 6360, Start Num: 30

Candidate Starts for Podrick_8:

(Start: 30 @4441 has 453 MA's), (Start: 36 @4456 has 5 MA's), (Start: 85 @4552 has 7 MA's), (Start: 93 @4567 has 1 MA's), (119, 4678), (165, 4810), (172, 4834), (173, 4840), (175, 4852), (180, 4864), (242, 5029), (267, 5155), (268, 5158), (269, 5170), (272, 5179), (274, 5191), (298, 5254), (302, 5263), (315, 5299), (321, 5317), (324, 5326), (334, 5374), (354, 5470), (355, 5476), (363, 5512), (369, 5560), (374, 5584), (429, 5779), (459, 5872), (569, 6124), (603, 6259), (617, 6301), (622, 6313),

Gene: Pointis_22 Start: 9444, Stop: 11336, Start Num: 46

Candidate Starts for Pointis_22:

(Start: 46 @9444 has 20 MA's), (50, 9453), (71, 9492), (109, 9615), (115, 9633), (130, 9684), (139, 9708), (172, 9783), (253, 10026), (320, 10218), (357, 10392), (360, 10404), (393, 10554), (411, 10605), (416, 10638), (417, 10644), (425, 10677), (433, 10713), (442, 10740), (461, 10779), (474, 10800), (479, 10812), (573, 11082), (608, 11199), (634, 11295),

Gene: Pops_8 Start: 4441, Stop: 6360, Start Num: 30

Candidate Starts for Pops_8:

(Start: 30 @4441 has 453 MA's), (Start: 36 @4456 has 5 MA's), (Start: 85 @4552 has 7 MA's), (Start: 93 @4567 has 1 MA's), (119, 4678), (165, 4810), (172, 4834), (173, 4840), (175, 4852), (180, 4864), (242, 5029), (267, 5155), (268, 5158), (269, 5170), (272, 5179), (274, 5191), (298, 5254), (302, 5263), (315, 5299), (321, 5317), (324, 5326), (334, 5374), (354, 5470), (355, 5476), (363, 5512), (369, 5560), (374, 5584), (429, 5779), (459, 5872), (569, 6124), (603, 6259), (617, 6301), (622, 6313),

Gene: Popstraw_21 Start: 9233, Stop: 11122, Start Num: 46

Candidate Starts for Popstraw_21:

(Start: 46 @9233 has 20 MA's), (50, 9242), (71, 9281), (109, 9404), (115, 9422), (130, 9473), (139, 9497), (172, 9572), (253, 9815), (320, 10007), (357, 10181), (360, 10193), (393, 10343), (411, 10394), (416, 10427), (417, 10433), (425, 10466), (433, 10502), (442, 10529), (461, 10568), (474, 10589), (479, 10601), (573, 10868), (608, 10985), (634, 11081),

Gene: Portcullis_12 Start: 5515, Stop: 7101, Start Num: 7

Candidate Starts for Portcullis_12:

(Start: 7 @5515 has 114 MA's), (42, 5629), (108, 5797), (150, 5917), (156, 5935), (159, 5950), (230, 6100), (242, 6130), (253, 6190), (254, 6193), (265, 6232), (280, 6304), (320, 6364), (321, 6367), (322, 6370), (329, 6406), (331, 6415), (333, 6421), (334, 6424), (349, 6487), (356, 6532), (363, 6562), (369, 6610), (384, 6667), (391, 6688), (396, 6694), (404, 6715), (405, 6718), (412, 6745), (420, 6796), (431, 6844),

Gene: Poster_8 Start: 5643, Stop: 7532, Start Num: 30

Candidate Starts for Poster_8:

(Start: 30 @5643 has 453 MA's), (83, 5739), (91, 5754), (102, 5805), (105, 5814), (117, 5865), (120, 5874), (157, 5970), (173, 6030), (213, 6126), (241, 6207), (251, 6261), (269, 6351), (270, 6354), (301, 6432), (305, 6444), (334, 6546), (348, 6606), (355, 6648), (357, 6660), (369, 6735), (374, 6759), (376, 6765), (383, 6792), (385, 6798), (404, 6840), (412, 6870), (543, 7212), (547, 7221), (548, 7224), (568, 7281), (584, 7347), (585, 7350), (589, 7359), (617, 7473), (635, 7518), (639, 7524),

Gene: Potter_8 Start: 4442, Stop: 6361, Start Num: 30

Candidate Starts for Potter_8:

(Start: 30 @4442 has 453 MA's), (Start: 36 @4457 has 5 MA's), (Start: 85 @4553 has 7 MA's), (Start: 93 @4568 has 1 MA's), (119, 4679), (165, 4811), (172, 4835), (173, 4841), (175, 4853), (180, 4865), (242, 5030), (267, 5156), (268, 5159), (269, 5171), (272, 5180), (274, 5192), (298, 5255), (302, 5264), (315, 5300), (321, 5318), (324, 5327), (334, 5375), (354, 5471), (355, 5477), (363, 5513), (369, 5561), (374, 5585), (429, 5780), (459, 5873), (569, 6125), (603, 6260), (617, 6302), (622, 6314),

Gene: Prickles_8 Start: 4447, Stop: 6366, Start Num: 30

Candidate Starts for Prickles_8:

(Start: 30 @4447 has 453 MA's), (Start: 36 @4462 has 5 MA's), (Start: 85 @4558 has 7 MA's), (Start: 93 @4573 has 1 MA's), (119, 4684), (165, 4816), (172, 4840), (173, 4846), (175, 4858), (180, 4870), (242, 5035), (267, 5161), (268, 5164), (269, 5176), (272, 5185), (274, 5197), (298, 5260), (302, 5269), (315, 5305), (321, 5323), (324, 5332), (334, 5380), (354, 5476), (355, 5482), (363, 5518), (369, 5566), (374, 5590), (429, 5785), (459, 5878), (569, 6130), (603, 6265), (617, 6307), (622, 6319),

Gene: Prince_9 Start: 6908, Stop: 8797, Start Num: 30

Candidate Starts for Prince_9:

(Start: 30 @6908 has 453 MA's), (Start: 36 @6923 has 5 MA's), (83, 7004), (91, 7019), (102, 7070), (105, 7079), (117, 7130), (157, 7235), (173, 7295), (213, 7391), (240, 7469), (241, 7472), (243, 7481), (251, 7526), (269, 7616), (270, 7619), (301, 7697), (305, 7709), (334, 7811), (348, 7871), (355, 7913), (357, 7925), (374, 8024), (376, 8030), (383, 8057), (385, 8063), (388, 8072), (404, 8105), (428, 8213), (543, 8477), (547, 8486), (548, 8489), (569, 8552), (584, 8612), (585, 8615), (589, 8624), (617, 8738), (635, 8783), (639, 8789),

Gene: PrinceCharming_12 Start: 7845, Stop: 9734, Start Num: 30

Candidate Starts for PrinceCharming_12:

(Start: 30 @7845 has 453 MA's), (54, 7893), (65, 7917), (Start: 78 @7935 has 11 MA's), (Start: 92 @7968 has 2 MA's), (117, 8076), (150, 8160), (168, 8223), (178, 8259), (199, 8310), (213, 8343), (241, 8421), (243, 8430), (251, 8475), (269, 8565), (270, 8568), (272, 8574), (274, 8586), (279, 8601), (285, 8613), (319, 8697), (326, 8730), (330, 8748), (343, 8793), (355, 8862), (357, 8874), (369, 8949), (374, 8973), (376, 8979), (383, 9006), (387, 9018), (391, 9024), (404, 9054), (405, 9057), (412, 9084), (425,

9150), (427, 9159), (448, 9234), (463, 9270), (496, 9315), (553, 9453), (555, 9456), (559, 9468), (583, 9555), (585, 9564), (589, 9573), (590, 9588), (597, 9618), (603, 9636), (608, 9651), (617, 9678), (622, 9690), (639, 9726),

Gene: ProfessorX_8 Start: 4439, Stop: 6358, Start Num: 30

Candidate Starts for ProfessorX_8:

(Start: 30 @4439 has 453 MA's), (Start: 36 @4454 has 5 MA's), (Start: 85 @4550 has 7 MA's), (Start: 93 @4565 has 1 MA's), (119, 4676), (165, 4808), (172, 4832), (173, 4838), (175, 4850), (180, 4862), (242, 5027), (267, 5153), (268, 5156), (269, 5168), (272, 5177), (274, 5189), (298, 5252), (302, 5261), (315, 5297), (321, 5315), (324, 5324), (334, 5372), (354, 5468), (355, 5474), (363, 5510), (369, 5558), (374, 5582), (429, 5777), (459, 5870), (569, 6122), (603, 6257), (617, 6299), (622, 6311),

Gene: Puhltonio_8 Start: 4441, Stop: 6360, Start Num: 30

Candidate Starts for Puhltonio_8:

(Start: 30 @4441 has 453 MA's), (Start: 36 @4456 has 5 MA's), (Start: 85 @4552 has 7 MA's), (Start: 93 @4567 has 1 MA's), (119, 4678), (165, 4810), (172, 4834), (173, 4840), (175, 4852), (180, 4864), (242, 5029), (267, 5155), (268, 5158), (269, 5170), (272, 5179), (274, 5191), (298, 5254), (302, 5263), (315, 5299), (321, 5317), (324, 5326), (334, 5374), (354, 5470), (355, 5476), (363, 5512), (369, 5560), (374, 5584), (429, 5779), (459, 5872), (569, 6124), (603, 6259), (617, 6301), (622, 6313),

Gene: Pulchra_21 Start: 8840, Stop: 10516, Start Num: 12

Candidate Starts for Pulchra_21:

(Start: 12 @8840 has 40 MA's), (Start: 14 @8849 has 16 MA's), (20, 8864), (66, 8963), (69, 8969), (101, 9074), (105, 9086), (128, 9185), (129, 9191), (133, 9203), (151, 9257), (157, 9275), (172, 9329), (180, 9359), (204, 9398), (211, 9416), (213, 9425), (225, 9461), (243, 9524), (256, 9587), (263, 9614), (320, 9761), (321, 9764), (329, 9803), (334, 9821), (351, 9893), (363, 9959), (364, 9968), (369, 10007), (377, 10040), (386, 10073), (388, 10079), (398, 10109), (404, 10124), (433, 10262), (437, 10277), (447, 10298), (448, 10301),

Gene: PullumCavea_12 Start: 5562, Stop: 7145, Start Num: 7

Candidate Starts for PullumCavea_12:

(Start: 7 @5562 has 114 MA's), (42, 5676), (108, 5844), (150, 5964), (156, 5982), (159, 5997), (230, 6147), (242, 6177), (253, 6237), (254, 6240), (265, 6279), (280, 6351), (320, 6411), (321, 6414), (322, 6417), (329, 6453), (331, 6462), (333, 6468), (334, 6471), (349, 6534), (356, 6579), (363, 6609), (369, 6657), (384, 6714), (391, 6735), (396, 6741), (404, 6762), (412, 6792), (420, 6843), (431, 6891),

Gene: Pumpernickel_80 Start: 31376, Stop: 33094, Start Num: 34

Candidate Starts for Pumpernickel_80:

(3, 31238), (5, 31247), (Start: 6 @31259 has 1 MA's), (Start: 34 @31376 has 9 MA's), (81, 31490), (181, 31817), (224, 31934), (251, 32051), (274, 32159), (320, 32267), (349, 32390), (352, 32411), (363, 32465), (373, 32534), (418, 32702), (437, 32786), (438, 32789), (440, 32792), (466, 32858),

Gene: Pumpkiney_15 Start: 6191, Stop: 7864, Start Num: 7

Candidate Starts for Pumpkiney_15:

(Start: 7 @6191 has 114 MA's), (Start: 22 @6266 has 3 MA's), (Start: 41 @6314 has 55 MA's), (77, 6401), (100, 6482), (106, 6512), (108, 6521), (150, 6644), (157, 6665), (163, 6689), (204, 6761), (208, 6770), (244, 6881), (251, 6920), (253, 6929), (256, 6938), (258, 6950), (259, 6953), (261, 6959), (280, 7034), (320, 7094), (349, 7229), (356, 7274), (364, 7313), (371, 7364), (380, 7397), (383, 7409), (384, 7412), (396, 7439), (405, 7463), (420, 7541), (431, 7592), (439, 7622), (443, 7628), (465, 7685), (484, 7730),

Gene: Pureglobe5_24 Start: 9460, Stop: 11346, Start Num: 46

Candidate Starts for Pureglobe5_24:

(Start: 46 @9460 has 20 MA's), (50, 9469), (71, 9508), (109, 9631), (115, 9649), (130, 9700), (139, 9724), (172, 9799), (320, 10234), (357, 10408), (360, 10420), (393, 10570), (411, 10621), (416, 10654), (417, 10660), (425, 10693), (433, 10729), (442, 10756), (461, 10795), (474, 10816), (479, 10828), (573, 11092), (608, 11209), (634, 11305),

Gene: Purpicious_39 Start: 17441, Stop: 19399, Start Num: 25

Candidate Starts for Purpicious_39:

(Start: 25 @17441 has 8 MA's), (44, 17486), (72, 17537), (80, 17564), (145, 17753), (213, 17912), (243, 18005), (258, 18080), (272, 18149), (274, 18161), (275, 18167), (302, 18269), (313, 18302), (331, 18374), (332, 18377), (340, 18407), (349, 18446), (357, 18497), (364, 18530), (403, 18674), (404, 18677), (412, 18707), (432, 18815), (446, 18851), (449, 18860), (511, 18995), (540, 19076), (551, 19109), (578, 19199), (621, 19352), (634, 19391),

Gene: Quammi_20 Start: 8130, Stop: 9956, Start Num: 41

Candidate Starts for Quammi_20:

(Start: 41 @8130 has 55 MA's), (105, 8280), (144, 8415), (165, 8454), (191, 8532), (207, 8550), (256, 8700), (259, 8715), (269, 8772), (291, 8841), (312, 8889), (316, 8898), (349, 9033), (356, 9078), (357, 9084), (360, 9096), (369, 9156), (411, 9285), (412, 9291), (416, 9318), (440, 9417), (462, 9462), (557, 9657), (566, 9693), (573, 9711), (587, 9756),

Gene: QueenBeane_8 Start: 4438, Stop: 6357, Start Num: 30

Candidate Starts for QueenBeane_8:

(Start: 30 @4438 has 453 MA's), (Start: 36 @4453 has 5 MA's), (Start: 85 @4549 has 7 MA's), (Start: 93 @4564 has 1 MA's), (119, 4675), (165, 4807), (172, 4831), (173, 4837), (175, 4849), (180, 4861), (242, 5026), (267, 5152), (268, 5155), (269, 5167), (272, 5176), (274, 5188), (298, 5251), (302, 5260), (315, 5296), (321, 5314), (324, 5323), (334, 5371), (354, 5467), (355, 5473), (363, 5509), (369, 5557), (374, 5581), (429, 5776), (459, 5869), (569, 6121), (603, 6256), (617, 6298), (622, 6310),

Gene: QueenPie_9 Start: 6601, Stop: 8490, Start Num: 30

Candidate Starts for QueenPie_9:

(Start: 30 @6601 has 453 MA's), (83, 6697), (91, 6712), (102, 6763), (105, 6772), (117, 6823), (120, 6832), (157, 6928), (173, 6988), (213, 7084), (241, 7165), (251, 7219), (269, 7309), (270, 7312), (301, 7390), (305, 7402), (334, 7504), (348, 7564), (355, 7606), (357, 7618), (369, 7693), (374, 7717), (376, 7723), (383, 7750), (385, 7756), (404, 7798), (543, 8170), (547, 8179), (548, 8182), (569, 8245), (584, 8305), (585, 8308), (589, 8317), (617, 8431), (635, 8476), (639, 8482),

Gene: Quesadilla_11 Start: 7419, Stop: 9299, Start Num: 30

Candidate Starts for Quesadilla_11:

(Start: 30 @7419 has 453 MA's), (Start: 92 @7533 has 2 MA's), (101, 7578), (150, 7725), (154, 7737), (165, 7776), (185, 7836), (213, 7881), (225, 7917), (228, 7932), (251, 8016), (259, 8049), (268, 8094), (269, 8106), (274, 8127), (301, 8196), (305, 8208), (347, 8361), (355, 8412), (383, 8556), (384, 8559), (387, 8568), (412, 8634), (448, 8784), (456, 8808), (541, 8991), (547, 9003), (557, 9021), (584, 9123), (589, 9135), (605, 9204), (632, 9276),

Gene: Quhwah_22 Start: 8789, Stop: 10495, Start Num: 12

Candidate Starts for Quhwah_22:

(Start: 12 @8789 has 40 MA's), (Start: 14 @8798 has 16 MA's), (66, 8912), (69, 8918), (101, 9023), (105, 9035), (128, 9134), (129, 9140), (133, 9152), (151, 9206), (157, 9224), (172, 9278), (180, 9308), (204, 9347), (211, 9365), (213, 9374), (225, 9410), (243, 9473), (256, 9536), (263, 9563), (269, 9608), (320, 9710), (321, 9713), (329, 9752), (334, 9770), (351, 9842), (363, 9908), (364, 9917), (369, 9956), (377, 9989), (386, 10022), (388, 10028), (398, 10058), (433, 10211), (437, 10226), (447, 10247), (448, 10250), (524, 10454), (529, 10463),

Gene: Quisquilliae_8 Start: 4441, Stop: 6360, Start Num: 30

Candidate Starts for Quisquilliae_8:

(Start: 30 @4441 has 453 MA's), (Start: 36 @4456 has 5 MA's), (Start: 85 @4552 has 7 MA's), (Start: 93 @4567 has 1 MA's), (119, 4678), (165, 4810), (172, 4834), (173, 4840), (175, 4852), (180, 4864), (242, 5029), (267, 5155), (268, 5158), (269, 5170), (272, 5179), (274, 5191), (298, 5254), (302, 5263), (315, 5299), (321, 5317), (324, 5326), (334, 5374), (354, 5470), (355, 5476), (363, 5512), (369, 5560), (374, 5584), (429, 5779), (459, 5872), (569, 6124), (603, 6259), (617, 6301), (622, 6313),

Gene: Qyrzula_12 Start: 7818, Stop: 9707, Start Num: 30

Candidate Starts for Qyrzula_12:

(Start: 30 @7818 has 453 MA's), (54, 7866), (65, 7890), (Start: 78 @7908 has 11 MA's), (Start: 92 @7941 has 2 MA's), (117, 8049), (150, 8133), (168, 8196), (178, 8232), (199, 8283), (207, 8295), (213, 8316), (241, 8394), (243, 8403), (251, 8448), (269, 8538), (270, 8541), (272, 8547), (274, 8559), (279, 8574), (285, 8586), (319, 8670), (326, 8703), (330, 8721), (343, 8766), (355, 8835), (357, 8847), (369, 8922), (374, 8946), (376, 8952), (383, 8979), (387, 8991), (391, 8997), (404, 9027), (405, 9030), (412, 9057), (425, 9123), (427, 9132), (448, 9207), (463, 9243), (496, 9288), (553, 9426), (555, 9429), (559, 9441), (583, 9528), (585, 9537), (589, 9546), (590, 9561), (597, 9591), (603, 9609), (608, 9624), (617, 9651), (622, 9663), (639, 9699),

Gene: RIPWilbur_20 Start: 8596, Stop: 10482, Start Num: 46

Candidate Starts for RIPWilbur_20:

(Start: 46 @8596 has 20 MA's), (50, 8605), (71, 8644), (109, 8767), (115, 8785), (130, 8836), (139, 8860), (172, 8935), (253, 9178), (320, 9370), (357, 9544), (360, 9556), (393, 9706), (411, 9757), (416, 9790), (417, 9796), (425, 9829), (433, 9865), (442, 9892), (461, 9931), (474, 9952), (479, 9964), (573, 10228), (608, 10345), (634, 10441),

Gene: Racecar_77 Start: 33689, Stop: 35374, Start Num: 22

Candidate Starts for Racecar_77:

(Start: 22 @33689 has 3 MA's), (Start: 26 @33695 has 9 MA's), (Start: 78 @33800 has 11 MA's), (113, 33923), (116, 33935), (157, 34058), (243, 34310), (251, 34355), (301, 34511), (304, 34520), (307, 34532), (320, 34568), (325, 34589), (363, 34766), (451, 35120), (478, 35186), (480, 35192), (523, 35318), (526, 35327), (540, 35363),

Gene: RagingRooster_11 Start: 6315, Stop: 8219, Start Num: 30

Candidate Starts for RagingRooster_11:

(Start: 30 @6315 has 453 MA's), (39, 6342), (84, 6423), (102, 6486), (119, 6552), (128, 6585), (168, 6693), (198, 6783), (224, 6861), (243, 6918), (253, 6972), (269, 7053), (274, 7074), (285, 7101), (308, 7152), (310, 7161), (315, 7170), (355, 7347), (357, 7359), (369, 7434), (374, 7458), (380, 7479), (411, 7563), (440, 7701), (448, 7719), (459, 7746), (473, 7770), (558, 7944), (585, 8049), (589, 8058), (594, 8085), (622, 8175), (632, 8199), (639, 8211),

Gene: RainyPolka_10 Start: 8039, Stop: 9838, Start Num: 78

Candidate Starts for RainyPolka_10:

(Start: 78 @8039 has 11 MA's), (112, 8156), (114, 8165), (124, 8198), (137, 8246), (154, 8285), (173, 8354), (197, 8423), (200, 8426), (206, 8444), (213, 8465), (222, 8492), (240, 8546), (242, 8552), (243, 8558), (251, 8603), (265, 8654), (272, 8702), (318, 8780), (321, 8789), (331, 8834), (340, 8867), (343, 8876), (348, 8903), (370, 9035), (459, 9326), (476, 9362), (495, 9389), (508, 9437), (519, 9485), (523, 9497), (543, 9530), (549, 9548), (570, 9617), (628, 9809), (638, 9827),

Gene: Ramiel05_19 Start: 8475, Stop: 10151, Start Num: 12

Candidate Starts for Ramiel05_19:

(Start: 12 @8475 has 40 MA's), (Start: 14 @8484 has 16 MA's), (66, 8598), (69, 8604), (101, 8709), (105, 8721), (128, 8820), (129, 8826), (133, 8838), (151, 8892), (157, 8910), (172, 8964), (180, 8994),

(204, 9033), (211, 9051), (213, 9060), (225, 9096), (243, 9159), (256, 9222), (263, 9249), (320, 9396), (321, 9399), (329, 9438), (334, 9456), (351, 9528), (363, 9594), (364, 9603), (377, 9675), (386, 9708), (388, 9714), (398, 9744), (404, 9759), (433, 9897), (437, 9912), (447, 9933), (448, 9936),

Gene: Ranunculus_17 Start: 8385, Stop: 10292, Start Num: 46

Candidate Starts for Ranunculus_17:

(Start: 46 @8385 has 20 MA's), (71, 8433), (109, 8556), (115, 8574), (130, 8625), (139, 8649), (144, 8661), (170, 8718), (172, 8724), (320, 9159), (356, 9327), (357, 9333), (360, 9345), (411, 9546), (416, 9579), (417, 9585), (425, 9618), (433, 9654), (461, 9720), (479, 9753), (490, 9765), (532, 9921), (550, 9957), (559, 9978), (566, 10011), (608, 10155), (621, 10209), (631, 10239),

Gene: RawrgerThat_9 Start: 6757, Stop: 8628, Start Num: 36

Candidate Starts for RawrgerThat_9:

(Start: 30 @6742 has 453 MA's), (Start: 36 @6757 has 5 MA's), (83, 6838), (91, 6853), (102, 6904), (105, 6913), (117, 6964), (157, 7069), (173, 7129), (213, 7225), (240, 7303), (241, 7306), (251, 7360), (269, 7450), (270, 7453), (301, 7531), (305, 7543), (334, 7645), (348, 7705), (355, 7747), (357, 7759), (374, 7858), (376, 7864), (383, 7891), (385, 7897), (404, 7939), (412, 7969), (543, 8308), (547, 8317), (548, 8320), (564, 8359), (569, 8383), (584, 8443), (585, 8446), (589, 8455), (617, 8569), (635, 8614), (639, 8620),

Gene: RazzB_18 Start: 7759, Stop: 9648, Start Num: 46

Candidate Starts for RazzB_18:

(Start: 46 @7759 has 20 MA's), (50, 7768), (71, 7807), (109, 7930), (115, 7948), (130, 7999), (139, 8023), (172, 8098), (253, 8341), (320, 8533), (357, 8707), (360, 8719), (393, 8869), (411, 8920), (416, 8953), (417, 8959), (425, 8992), (433, 9028), (442, 9055), (461, 9094), (479, 9127), (573, 9394), (608, 9511), (634, 9607),

Gene: Reccee_10 Start: 6875, Stop: 8740, Start Num: 30

Candidate Starts for Reccee_10:

(Start: 30 @6875 has 453 MA's), (Start: 36 @6890 has 5 MA's), (63, 6932), (101, 7028), (105, 7040), (166, 7226), (169, 7238), (172, 7247), (225, 7364), (228, 7379), (243, 7418), (270, 7556), (274, 7574), (301, 7634), (340, 7772), (348, 7808), (355, 7850), (357, 7862), (369, 7937), (374, 7961), (383, 7994), (387, 8006), (392, 8018), (404, 8042), (448, 8222), (454, 8240), (539, 8420), (548, 8441), (559, 8462), (584, 8564), (598, 8624), (639, 8732), (640, 8735),

Gene: RedMaple_8 Start: 4438, Stop: 6357, Start Num: 30

Candidate Starts for RedMaple_8:

(Start: 30 @4438 has 453 MA's), (Start: 36 @4453 has 5 MA's), (Start: 85 @4549 has 7 MA's), (Start: 93 @4564 has 1 MA's), (119, 4675), (165, 4807), (172, 4831), (173, 4837), (175, 4849), (180, 4861), (242, 5026), (267, 5152), (268, 5155), (269, 5167), (272, 5176), (274, 5188), (298, 5251), (302, 5260), (315, 5296), (321, 5314), (324, 5323), (334, 5371), (354, 5467), (355, 5473), (363, 5509), (369, 5557), (374, 5581), (429, 5776), (459, 5869), (569, 6121), (603, 6256), (617, 6298), (622, 6310),

Gene: RedRaider89_9 Start: 4673, Stop: 6592, Start Num: 30

Candidate Starts for RedRaider89_9:

(Start: 30 @4673 has 453 MA's), (Start: 85 @4784 has 7 MA's), (Start: 93 @4799 has 1 MA's), (119, 4910), (165, 5042), (172, 5066), (173, 5072), (175, 5084), (180, 5096), (242, 5261), (267, 5387), (268, 5390), (269, 5402), (272, 5411), (274, 5423), (298, 5486), (302, 5495), (315, 5531), (321, 5549), (324, 5558), (334, 5606), (354, 5702), (355, 5708), (363, 5744), (369, 5792), (374, 5816), (429, 6011), (459, 6104), (569, 6356), (603, 6491), (617, 6533), (622, 6545),

Gene: ReginaGlobina_75 Start: 31755, Stop: 33383, Start Num: 26

Candidate Starts for ReginaGlobina_75:

(Start: 26 @31755 has 9 MA's), (116, 31995), (172, 32172), (243, 32370), (276, 32532), (304, 32574), (307, 32586), (320, 32622), (358, 32802), (373, 32889), (400, 32967), (460, 33198), (504, 33285), (523, 33333), (540, 33372),

Gene: Ren19_18 Start: 8462, Stop: 10354, Start Num: 46

Candidate Starts for Ren19_18:

(Start: 46 @8462 has 20 MA's), (50, 8471), (70, 8507), (71, 8510), (109, 8633), (115, 8651), (130, 8702), (139, 8726), (144, 8738), (165, 8777), (170, 8795), (172, 8801), (253, 9044), (290, 9185), (320, 9236), (357, 9410), (360, 9422), (411, 9623), (416, 9656), (417, 9662), (425, 9695), (432, 9728), (433, 9731), (461, 9797), (462, 9800), (479, 9830), (573, 10103), (586, 10142), (634, 10316),

Gene: Renkei_8 Start: 5644, Stop: 7533, Start Num: 30

Candidate Starts for Renkei_8:

(Start: 30 @5644 has 453 MA's), (83, 5740), (91, 5755), (102, 5806), (105, 5815), (117, 5866), (120, 5875), (157, 5971), (173, 6031), (213, 6127), (241, 6208), (251, 6262), (269, 6352), (270, 6355), (301, 6433), (305, 6445), (334, 6547), (348, 6607), (355, 6649), (357, 6661), (369, 6736), (374, 6760), (376, 6766), (383, 6793), (385, 6799), (404, 6841), (412, 6871), (543, 7213), (547, 7222), (548, 7225), (568, 7282), (569, 7288), (584, 7348), (585, 7351), (589, 7360), (617, 7474), (635, 7519), (639, 7525),

Gene: Reprobate_10 Start: 6968, Stop: 8833, Start Num: 30

Candidate Starts for Reprobate_10:

(Start: 30 @6968 has 453 MA's), (Start: 36 @6983 has 5 MA's), (96, 7088), (101, 7124), (105, 7136), (106, 7145), (128, 7223), (148, 7268), (172, 7343), (173, 7349), (220, 7448), (225, 7460), (228, 7475), (243, 7514), (251, 7559), (259, 7592), (270, 7652), (274, 7670), (324, 7796), (334, 7844), (340, 7868), (348, 7904), (355, 7946), (369, 8033), (374, 8057), (383, 8090), (387, 8102), (392, 8114), (404, 8138), (448, 8318), (473, 8369), (552, 8537), (559, 8555), (563, 8567), (568, 8591), (584, 8657), (612, 8762), (639, 8825), (640, 8828),

Gene: Rhinoforte_12 Start: 7845, Stop: 9734, Start Num: 30

Candidate Starts for Rhinoforte_12:

(Start: 30 @7845 has 453 MA's), (54, 7893), (65, 7917), (Start: 78 @7935 has 11 MA's), (Start: 92 @7968 has 2 MA's), (117, 8076), (150, 8160), (168, 8223), (178, 8259), (199, 8310), (207, 8322), (213, 8343), (241, 8421), (243, 8430), (251, 8475), (269, 8565), (270, 8568), (272, 8574), (274, 8586), (279, 8601), (285, 8613), (319, 8697), (326, 8730), (330, 8748), (343, 8793), (355, 8862), (357, 8874), (369, 8949), (374, 8973), (376, 8979), (383, 9006), (387, 9018), (391, 9024), (404, 9054), (405, 9057), (412, 9084), (425, 9150), (427, 9159), (448, 9234), (463, 9270), (496, 9315), (553, 9453), (555, 9456), (559, 9468), (583, 9555), (585, 9564), (589, 9573), (590, 9588), (597, 9618), (603, 9636), (608, 9651), (617, 9678), (622, 9690), (639, 9726),

Gene: Ribeye_13 Start: 6470, Stop: 8098, Start Num: 7

Candidate Starts for Ribeye_13:

(Start: 7 @6470 has 114 MA's), (Start: 46 @6593 has 20 MA's), (58, 6614), (81, 6671), (100, 6734), (106, 6764), (126, 6827), (133, 6854), (208, 7022), (238, 7109), (246, 7148), (251, 7172), (256, 7190), (259, 7205), (261, 7211), (273, 7274), (320, 7346), (328, 7385), (343, 7451), (349, 7481), (356, 7526), (359, 7541), (360, 7544), (365, 7580), (374, 7628), (377, 7637), (384, 7664), (396, 7691), (411, 7736), (426, 7811), (431, 7841), (434, 7859), (453, 7898), (457, 7904), (464, 7919), (472, 7940), (474, 7946), (496, 7982), (506, 8015),

Gene: Rich_10 Start: 6696, Stop: 8564, Start Num: 30

Candidate Starts for Rich_10:

(Start: 30 @6696 has 453 MA's), (39, 6720), (96, 6816), (101, 6852), (105, 6864), (166, 7050), (172, 7071), (173, 7077), (225, 7188), (228, 7203), (243, 7242), (270, 7380), (274, 7398), (301, 7458), (340, 7596), (355, 7674), (357, 7686), (362, 7704), (374, 7785), (383, 7818), (387, 7830), (392, 7842), (404,

7866), (454, 8064), (467, 8085), (539, 8244), (548, 8265), (552, 8268), (559, 8286), (584, 8388), (598, 8448), (639, 8556), (640, 8559),

Gene: Ricotta_8 Start: 4440, Stop: 6359, Start Num: 30

Candidate Starts for Ricotta_8:

(Start: 30 @4440 has 453 MA's), (Start: 36 @4455 has 5 MA's), (Start: 85 @4551 has 7 MA's), (Start: 93 @4566 has 1 MA's), (119, 4677), (165, 4809), (172, 4833), (173, 4839), (175, 4851), (180, 4863), (242, 5028), (267, 5154), (268, 5157), (269, 5169), (272, 5178), (274, 5190), (298, 5253), (302, 5262), (315, 5298), (321, 5316), (324, 5325), (334, 5373), (354, 5469), (355, 5475), (363, 5511), (369, 5559), (374, 5583), (429, 5778), (459, 5871), (569, 6123), (603, 6258), (617, 6300), (622, 6312),

Gene: Riggan_8 Start: 4445, Stop: 6364, Start Num: 30

Candidate Starts for Riggan_8:

(Start: 30 @4445 has 453 MA's), (Start: 36 @4460 has 5 MA's), (Start: 85 @4556 has 7 MA's), (Start: 93 @4571 has 1 MA's), (119, 4682), (165, 4814), (172, 4838), (173, 4844), (175, 4856), (180, 4868), (242, 5033), (267, 5159), (268, 5162), (269, 5174), (272, 5183), (274, 5195), (298, 5258), (302, 5267), (315, 5303), (321, 5321), (324, 5330), (334, 5378), (354, 5474), (355, 5480), (363, 5516), (369, 5564), (374, 5588), (429, 5783), (459, 5876), (569, 6128), (603, 6263), (617, 6305), (622, 6317),

Gene: Rimu_8 Start: 4437, Stop: 6356, Start Num: 30

Candidate Starts for Rimu_8:

(Start: 30 @4437 has 453 MA's), (Start: 85 @4548 has 7 MA's), (Start: 93 @4563 has 1 MA's), (119, 4674), (165, 4806), (172, 4830), (173, 4836), (175, 4848), (180, 4860), (242, 5025), (267, 5151), (268, 5154), (269, 5166), (272, 5175), (274, 5187), (298, 5250), (302, 5259), (315, 5295), (321, 5313), (324, 5322), (334, 5370), (354, 5466), (355, 5472), (363, 5508), (369, 5556), (374, 5580), (429, 5775), (459, 5868), (569, 6120), (603, 6255), (617, 6297), (622, 6309),

Gene: Rinkes_13 Start: 8554, Stop: 10458, Start Num: 30

Candidate Starts for Rinkes_13:

(Start: 30 @8554 has 453 MA's), (109, 8749), (117, 8779), (150, 8878), (165, 8929), (194, 9022), (257, 9211), (266, 9247), (269, 9280), (270, 9283), (274, 9301), (276, 9307), (298, 9355), (302, 9364), (310, 9391), (328, 9454), (329, 9457), (330, 9463), (334, 9475), (348, 9535), (355, 9577), (356, 9583), (373, 9682), (377, 9694), (383, 9718), (384, 9721), (387, 9730), (411, 9790), (420, 9847), (422, 9859), (427, 9871), (499, 10036), (530, 10141), (547, 10156), (559, 10180), (572, 10234), (584, 10282), (585, 10285), (589, 10294), (605, 10363), (608, 10372), (622, 10411), (626, 10423), (640, 10453),

Gene: Rita130_10 Start: 6695, Stop: 8560, Start Num: 30

Candidate Starts for Rita130_10:

(Start: 30 @6695 has 453 MA's), (Start: 36 @6710 has 5 MA's), (63, 6752), (101, 6848), (105, 6860), (166, 7046), (169, 7058), (172, 7067), (225, 7184), (228, 7199), (243, 7238), (270, 7376), (274, 7394), (301, 7454), (340, 7592), (348, 7628), (355, 7670), (357, 7682), (369, 7757), (374, 7781), (383, 7814), (387, 7826), (392, 7838), (404, 7862), (448, 8042), (454, 8060), (539, 8240), (548, 8261), (559, 8282), (584, 8384), (598, 8444), (639, 8552), (640, 8555),

Gene: Rita1961_11 Start: 6315, Stop: 8219, Start Num: 30

Candidate Starts for Rita1961_11:

(Start: 30 @6315 has 453 MA's), (39, 6342), (84, 6423), (102, 6486), (119, 6552), (128, 6585), (168, 6693), (198, 6783), (224, 6861), (243, 6918), (253, 6972), (269, 7053), (274, 7074), (285, 7101), (308, 7152), (310, 7161), (315, 7170), (355, 7347), (357, 7359), (369, 7434), (374, 7458), (380, 7479), (411, 7563), (440, 7701), (448, 7719), (459, 7746), (473, 7770), (555, 7935), (558, 7944), (585, 8049), (589, 8058), (594, 8085), (622, 8175), (623, 8178), (632, 8199), (639, 8211),

Gene: RiverRaider_13 Start: 6026, Stop: 7657, Start Num: 7

Candidate Starts for RiverRaider_13:

(Start: 7 @6026 has 114 MA's), (81, 6227), (100, 6290), (126, 6383), (144, 6440), (203, 6566), (208, 6578), (247, 6707), (251, 6728), (256, 6746), (259, 6761), (261, 6767), (320, 6902), (328, 6941), (334, 6962), (343, 7007), (349, 7037), (356, 7082), (359, 7097), (360, 7100), (365, 7136), (377, 7193), (384, 7220), (396, 7247), (419, 7346), (420, 7349), (425, 7364), (430, 7388), (431, 7397), (434, 7415), (441, 7430), (453, 7454), (463, 7472), (464, 7475), (472, 7496), (481, 7517), (496, 7541), (505, 7568), (514, 7607),

Gene: Riverton_8 Start: 4567, Stop: 6360, Start Num: 93

Candidate Starts for Riverton_8:

(Start: 30 @4441 has 453 MA's), (Start: 85 @4552 has 7 MA's), (Start: 93 @4567 has 1 MA's), (119, 4678), (165, 4810), (172, 4834), (173, 4840), (175, 4852), (180, 4864), (242, 5029), (267, 5155), (268, 5158), (269, 5170), (272, 5179), (274, 5191), (298, 5254), (302, 5263), (315, 5299), (321, 5317), (324, 5326), (334, 5374), (354, 5470), (355, 5476), (363, 5512), (369, 5560), (374, 5584), (429, 5779), (459, 5872), (569, 6124), (603, 6259), (617, 6301), (622, 6313),

Gene: Rizwana_16 Start: 8365, Stop: 10227, Start Num: 46

Candidate Starts for Rizwana_16:

(Start: 46 @8365 has 20 MA's), (50, 8374), (84, 8449), (100, 8497), (115, 8557), (123, 8587), (134, 8614), (165, 8680), (216, 8812), (238, 8872), (240, 8875), (272, 9031), (274, 9043), (312, 9118), (317, 9130), (320, 9139), (328, 9178), (343, 9232), (356, 9307), (387, 9454), (397, 9478), (399, 9484), (406, 9508), (411, 9526), (425, 9598), (433, 9634), (444, 9664), (462, 9703), (469, 9715), (490, 9745), (518, 9841), (532, 9880), (563, 9949), (571, 9982), (631, 10186), (632, 10189), (634, 10198),

Gene: RoadKill_11 Start: 5257, Stop: 6933, Start Num: 7

Candidate Starts for RoadKill_11:

(Start: 7 @5257 has 114 MA's), (10, 5290), (37, 5368), (60, 5422), (100, 5554), (106, 5584), (129, 5662), (136, 5680), (163, 5761), (204, 5833), (208, 5842), (227, 5902), (256, 6010), (258, 6022), (259, 6025), (261, 6031), (320, 6166), (321, 6169), (334, 6226), (349, 6301), (356, 6346), (360, 6364), (364, 6385), (369, 6424), (374, 6448), (380, 6469), (384, 6484), (405, 6535), (411, 6556), (431, 6661), (439, 6691), (452, 6715), (453, 6718), (484, 6796),

Gene: RobinRose_23 Start: 7894, Stop: 9693, Start Num: 41

Candidate Starts for RobinRose_23:

(Start: 41 @7894 has 55 MA's), (91, 7993), (139, 8158), (165, 8209), (173, 8239), (207, 8305), (284, 8572), (299, 8617), (328, 8704), (340, 8749), (348, 8785), (356, 8833), (357, 8839), (360, 8851), (365, 8887), (369, 8911), (411, 9046), (433, 9154), (438, 9175), (480, 9256), (491, 9265), (550, 9376), (557, 9394), (566, 9430), (589, 9496), (606, 9565), (613, 9598), (640, 9673),

Gene: RobsFeet_21 Start: 8347, Stop: 10041, Start Num: 12

Candidate Starts for RobsFeet_21:

(Start: 12 @8347 has 40 MA's), (Start: 14 @8356 has 16 MA's), (69, 8479), (101, 8584), (105, 8596), (128, 8695), (151, 8767), (157, 8785), (204, 8908), (210, 8920), (211, 8926), (213, 8935), (225, 8971), (243, 9034), (256, 9097), (263, 9124), (269, 9169), (303, 9220), (320, 9271), (321, 9274), (329, 9313), (331, 9322), (334, 9331), (343, 9364), (351, 9403), (363, 9469), (364, 9478), (365, 9493), (369, 9517), (386, 9583), (388, 9589), (398, 9616), (433, 9769), (448, 9808), (455, 9829), (470, 9874), (529, 10021),

Gene: Robyn_8 Start: 4443, Stop: 6362, Start Num: 30

Candidate Starts for Robyn_8:

(Start: 30 @4443 has 453 MA's), (Start: 36 @4458 has 5 MA's), (Start: 85 @4554 has 7 MA's), (Start: 93 @4569 has 1 MA's), (119, 4680), (165, 4812), (172, 4836), (173, 4842), (175, 4854), (180, 4866), (242, 5031), (267, 5157), (268, 5160), (269, 5172), (272, 5181), (274, 5193), (298, 5256), (302, 5265), (315, 5301), (321, 5319), (324, 5328), (334, 5376), (354, 5472), (355, 5478), (363, 5514), (369, 5562),

(374, 5586), (429, 5781), (459, 5874), (569, 6126), (603, 6261), (617, 6303), (622, 6315),

Gene: Rockabye_75 Start: 34436, Stop: 36061, Start Num: 26

Candidate Starts for Rockabye_75:

(Start: 26 @34436 has 9 MA's), (79, 34544), (113, 34661), (116, 34673), (138, 34742), (211, 34934), (267, 35168), (301, 35243), (321, 35303), (352, 35444), (363, 35498), (364, 35507), (373, 35567), (437, 35819), (451, 35852), (480, 35924), (500, 35951), (540, 36050),

Gene: Rockwell_19 Start: 8475, Stop: 10151, Start Num: 12

Candidate Starts for Rockwell_19:

(Start: 12 @8475 has 40 MA's), (Start: 14 @8484 has 16 MA's), (66, 8598), (69, 8604), (101, 8709), (105, 8721), (128, 8820), (129, 8826), (133, 8838), (151, 8892), (157, 8910), (172, 8964), (180, 8994), (204, 9033), (211, 9051), (213, 9060), (225, 9096), (243, 9159), (256, 9222), (263, 9249), (320, 9396), (321, 9399), (329, 9438), (334, 9456), (351, 9528), (363, 9594), (364, 9603), (377, 9675), (386, 9708), (388, 9714), (398, 9744), (404, 9759), (433, 9897), (437, 9912), (447, 9933), (448, 9936),

Gene: Rofo_12 Start: 7025, Stop: 8647, Start Num: 7

Candidate Starts for Rofo_12:

(Start: 7 @7025 has 114 MA's), (71, 7184), (81, 7223), (100, 7286), (126, 7379), (133, 7406), (149, 7445), (208, 7574), (227, 7634), (247, 7703), (251, 7724), (256, 7742), (259, 7757), (261, 7763), (273, 7826), (316, 7886), (320, 7898), (328, 7937), (331, 7949), (334, 7958), (343, 8003), (349, 8033), (356, 8078), (359, 8093), (360, 8096), (365, 8132), (374, 8180), (377, 8189), (384, 8216), (431, 8393), (453, 8450), (457, 8456), (464, 8471), (472, 8492), (474, 8498), (496, 8534), (505, 8561),

Gene: RogerDodger_13 Start: 5819, Stop: 7405, Start Num: 7

Candidate Starts for RogerDodger_13:

(Start: 7 @5819 has 114 MA's), (68, 5963), (96, 6035), (108, 6101), (117, 6134), (149, 6218), (156, 6239), (159, 6254), (240, 6428), (242, 6434), (249, 6470), (253, 6494), (254, 6497), (265, 6536), (280, 6608), (320, 6668), (321, 6671), (322, 6674), (329, 6710), (331, 6719), (333, 6725), (334, 6728), (349, 6791), (356, 6836), (363, 6866), (369, 6914), (384, 6971), (391, 6992), (404, 7019), (405, 7022), (412, 7049), (420, 7100), (431, 7148),

Gene: Roliet_8 Start: 4441, Stop: 6360, Start Num: 30

Candidate Starts for Roliet_8:

(Start: 30 @4441 has 453 MA's), (Start: 85 @4552 has 7 MA's), (Start: 93 @4567 has 1 MA's), (119, 4678), (165, 4810), (172, 4834), (173, 4840), (175, 4852), (180, 4864), (242, 5029), (267, 5155), (268, 5158), (269, 5170), (272, 5179), (274, 5191), (298, 5254), (302, 5263), (315, 5299), (321, 5317), (324, 5326), (334, 5374), (354, 5470), (355, 5476), (363, 5512), (369, 5560), (374, 5584), (429, 5779), (459, 5872), (569, 6124), (603, 6259), (617, 6301), (622, 6313),

Gene: RomaT_11 Start: 7077, Stop: 8981, Start Num: 30

Candidate Starts for RomaT_11:

(Start: 30 @7077 has 453 MA's), (39, 7104), (84, 7185), (102, 7248), (119, 7314), (128, 7347), (168, 7455), (198, 7545), (224, 7623), (243, 7680), (253, 7734), (269, 7815), (274, 7836), (285, 7863), (308, 7914), (310, 7923), (315, 7932), (355, 8109), (357, 8121), (369, 8196), (374, 8220), (380, 8241), (411, 8325), (440, 8463), (448, 8481), (459, 8508), (473, 8532), (555, 8697), (558, 8706), (585, 8811), (589, 8820), (594, 8847), (622, 8937), (632, 8961), (639, 8973),

Gene: RomansRevenge_13 Start: 6363, Stop: 8228, Start Num: 38

Candidate Starts for RomansRevenge_13:

(Start: 38 @6363 has 1 MA's), (Start: 46 @6378 has 20 MA's), (Start: 78 @6444 has 11 MA's), (84, 6462), (113, 6561), (115, 6570), (116, 6573), (118, 6585), (119, 6588), (131, 6621), (142, 6648), (165, 6693), (210, 6795), (217, 6822), (223, 6837), (238, 6876), (245, 6909), (250, 6927), (253, 6945), (272,

7035), (274, 7047), (312, 7131), (320, 7152), (329, 7194), (343, 7245), (356, 7320), (357, 7326), (360, 7338), (373, 7419), (381, 7449), (394, 7485), (411, 7530), (433, 7638), (521, 7845), (548, 7881), (571, 7950), (585, 7998), (594, 8037), (608, 8082), (634, 8178),

Gene: Romm_23 Start: 7894, Stop: 9693, Start Num: 41

Candidate Starts for Romm_23:

(Start: 41 @7894 has 55 MA's), (91, 7993), (139, 8158), (165, 8209), (173, 8239), (207, 8305), (284, 8572), (299, 8617), (328, 8704), (340, 8749), (348, 8785), (356, 8833), (357, 8839), (360, 8851), (365, 8887), (369, 8911), (411, 9046), (433, 9154), (438, 9175), (480, 9256), (491, 9265), (550, 9376), (557, 9394), (566, 9430), (589, 9496), (606, 9565), (613, 9598), (640, 9673),

Gene: Roscoe_9 Start: 4676, Stop: 6595, Start Num: 30

Candidate Starts for Roscoe_9:

(Start: 30 @4676 has 453 MA's), (Start: 85 @4787 has 7 MA's), (Start: 93 @4802 has 1 MA's), (119, 4913), (165, 5045), (172, 5069), (173, 5075), (175, 5087), (180, 5099), (242, 5264), (267, 5390), (268, 5393), (269, 5405), (272, 5414), (274, 5426), (298, 5489), (302, 5498), (315, 5534), (321, 5552), (324, 5561), (334, 5609), (354, 5705), (355, 5711), (363, 5747), (369, 5795), (374, 5819), (429, 6014), (459, 6107), (569, 6359), (603, 6494), (617, 6536), (622, 6548),

Gene: Rosebush_12 Start: 7845, Stop: 9734, Start Num: 30

Candidate Starts for Rosebush_12:

(Start: 30 @7845 has 453 MA's), (54, 7893), (65, 7917), (Start: 78 @7935 has 11 MA's), (Start: 92 @7968 has 2 MA's), (117, 8076), (150, 8160), (168, 8223), (178, 8259), (199, 8310), (207, 8322), (213, 8343), (241, 8421), (243, 8430), (251, 8475), (269, 8565), (270, 8568), (272, 8574), (274, 8586), (279, 8601), (285, 8613), (319, 8697), (326, 8730), (330, 8748), (343, 8793), (355, 8862), (357, 8874), (369, 8949), (374, 8973), (376, 8979), (383, 9006), (387, 9018), (391, 9024), (404, 9054), (405, 9057), (412, 9084), (425, 9150), (427, 9159), (448, 9234), (463, 9270), (496, 9315), (553, 9453), (555, 9456), (559, 9468), (583, 9555), (585, 9564), (589, 9573), (590, 9588), (597, 9618), (603, 9636), (608, 9651), (617, 9678), (622, 9690), (639, 9726),

Gene: Rowlf_18 Start: 7897, Stop: 9723, Start Num: 41

Candidate Starts for Rowlf_18:

(Start: 41 @7897 has 55 MA's), (144, 8182), (165, 8221), (191, 8299), (207, 8317), (256, 8467), (259, 8482), (269, 8539), (291, 8608), (312, 8656), (316, 8665), (349, 8800), (356, 8845), (357, 8851), (360, 8863), (369, 8923), (411, 9052), (412, 9058), (416, 9085), (440, 9184), (462, 9229), (557, 9424), (566, 9460), (573, 9478), (587, 9523),

Gene: Roy17_8 Start: 4442, Stop: 6361, Start Num: 30

Candidate Starts for Roy17_8:

(Start: 30 @4442 has 453 MA's), (Start: 85 @4553 has 7 MA's), (Start: 93 @4568 has 1 MA's), (119, 4679), (165, 4811), (172, 4835), (173, 4841), (175, 4853), (180, 4865), (242, 5030), (267, 5156), (268, 5159), (269, 5171), (272, 5180), (274, 5192), (298, 5255), (302, 5264), (315, 5300), (321, 5318), (324, 5327), (334, 5375), (354, 5471), (355, 5477), (363, 5513), (369, 5561), (374, 5585), (429, 5780), (459, 5873), (569, 6125), (603, 6260), (617, 6302), (622, 6314),

Gene: RubyRalph_24 Start: 8991, Stop: 10805, Start Num: 41

Candidate Starts for RubyRalph_24:

(Start: 34 @8970 has 9 MA's), (Start: 41 @8991 has 55 MA's), (165, 9318), (170, 9336), (173, 9348), (241, 9492), (256, 9564), (262, 9588), (270, 9639), (315, 9753), (324, 9780), (329, 9810), (349, 9891), (356, 9936), (357, 9942), (360, 9954), (369, 10014), (395, 10098), (411, 10143), (412, 10149), (425, 10215), (440, 10275), (491, 10365), (514, 10425), (557, 10506), (621, 10731),

Gene: Rudy_20 Start: 8130, Stop: 9956, Start Num: 41

Candidate Starts for Rudy_20:

(Start: 41 @8130 has 55 MA's), (105, 8280), (144, 8415), (165, 8454), (191, 8532), (207, 8550), (256, 8700), (259, 8715), (269, 8772), (291, 8841), (312, 8889), (316, 8898), (349, 9033), (356, 9078), (357, 9084), (360, 9096), (369, 9156), (411, 9285), (412, 9291), (416, 9318), (440, 9417), (462, 9462), (557, 9657), (566, 9693), (573, 9711), (587, 9756),

Gene: SDcharge11_8 Start: 4440, Stop: 6353, Start Num: 30

Candidate Starts for SDcharge11_8:

(Start: 30 @4440 has 453 MA's), (Start: 85 @4551 has 7 MA's), (Start: 93 @4566 has 1 MA's), (119, 4677), (165, 4809), (172, 4833), (173, 4839), (175, 4851), (180, 4863), (242, 5028), (267, 5154), (268, 5157), (269, 5169), (272, 5178), (274, 5190), (298, 5253), (302, 5262), (315, 5298), (321, 5316), (324, 5325), (334, 5373), (354, 5469), (355, 5475), (363, 5511), (369, 5559), (374, 5583), (429, 5778), (459, 5871), (569, 6117), (603, 6252), (617, 6294), (622, 6306),

Gene: SJReid_79 Start: 34914, Stop: 36533, Start Num: 26

Candidate Starts for SJReid_79:

(Start: 26 @34914 has 9 MA's), (Start: 78 @35016 has 11 MA's), (79, 35022), (116, 35151), (173, 35334), (317, 35763), (321, 35775), (325, 35793), (363, 35970), (373, 36039), (437, 36291), (451, 36324), (480, 36396), (500, 36423), (523, 36480), (540, 36522),

Gene: Sabella_12 Start: 7728, Stop: 9617, Start Num: 30

Candidate Starts for Sabella_12:

(Start: 30 @7728 has 453 MA's), (54, 7776), (65, 7800), (Start: 78 @7818 has 11 MA's), (Start: 92 @7851 has 2 MA's), (117, 7959), (150, 8043), (168, 8106), (178, 8142), (199, 8193), (207, 8205), (213, 8226), (241, 8304), (243, 8313), (251, 8358), (269, 8448), (270, 8451), (272, 8457), (274, 8469), (279, 8484), (285, 8496), (319, 8580), (326, 8613), (330, 8631), (343, 8676), (355, 8745), (357, 8757), (369, 8832), (374, 8856), (376, 8862), (383, 8889), (387, 8901), (391, 8907), (404, 8937), (405, 8940), (412, 8967), (425, 9033), (427, 9042), (448, 9117), (463, 9153), (496, 9198), (553, 9336), (555, 9339), (559, 9351), (583, 9438), (585, 9447), (589, 9456), (590, 9471), (597, 9501), (603, 9519), (608, 9534), (617, 9561), (622, 9573), (639, 9609),

Gene: SadLad_25 Start: 9427, Stop: 11262, Start Num: 34

Candidate Starts for SadLad_25:

(Start: 34 @9427 has 9 MA's), (Start: 41 @9448 has 55 MA's), (165, 9775), (170, 9793), (173, 9805), (241, 9949), (256, 10021), (262, 10045), (270, 10096), (315, 10210), (324, 10237), (329, 10267), (349, 10348), (356, 10393), (357, 10399), (360, 10411), (369, 10471), (395, 10555), (411, 10600), (412, 10606), (425, 10672), (440, 10732), (491, 10822), (514, 10882), (557, 10963), (621, 11188),

Gene: Saguaro_11 Start: 7627, Stop: 9525, Start Num: 30

Candidate Starts for Saguaro_11:

(Start: 30 @7627 has 453 MA's), (Start: 92 @7741 has 2 MA's), (105, 7798), (117, 7849), (128, 7888), (150, 7948), (154, 7960), (160, 7984), (175, 8041), (213, 8104), (225, 8140), (243, 8194), (251, 8239), (257, 8260), (259, 8272), (269, 8329), (274, 8350), (285, 8377), (291, 8398), (301, 8419), (305, 8431), (319, 8470), (322, 8479), (331, 8524), (334, 8533), (340, 8557), (355, 8635), (357, 8647), (369, 8722), (374, 8746), (387, 8791), (404, 8827), (411, 8851), (434, 8974), (448, 9007), (455, 9028), (608, 9439), (616, 9463), (617, 9466), (635, 9511),

Gene: Salazzle_8 Start: 4551, Stop: 6359, Start Num: 85

Candidate Starts for Salazzle_8:

(Start: 30 @4440 has 453 MA's), (Start: 85 @4551 has 7 MA's), (Start: 93 @4566 has 1 MA's), (119, 4677), (165, 4809), (172, 4833), (173, 4839), (175, 4851), (180, 4863), (242, 5028), (267, 5154), (268, 5157), (269, 5169), (272, 5178), (274, 5190), (298, 5253), (302, 5262), (315, 5298), (321, 5316), (324, 5325), (334, 5373), (354, 5469), (355, 5475), (363, 5511), (369, 5559), (374, 5583), (429, 5778), (459, 5871),

5871), (569, 6123), (603, 6258), (617, 6300), (622, 6312),

Gene: Salete_10 Start: 8087, Stop: 9889, Start Num: 78

Candidate Starts for Salete_10:

(Start: 78 @8087 has 11 MA's), (114, 8213), (120, 8234), (124, 8246), (137, 8294), (154, 8333), (166, 8375), (173, 8402), (197, 8471), (206, 8492), (213, 8513), (240, 8591), (242, 8597), (243, 8603), (265, 8699), (272, 8747), (318, 8825), (329, 8870), (331, 8879), (340, 8912), (348, 8948), (370, 9080), (459, 9377), (476, 9413), (510, 9503), (519, 9536), (523, 9548), (549, 9599), (565, 9650), (570, 9668), (583, 9716), (584, 9722), (607, 9803), (618, 9833), (628, 9860), (638, 9878),

Gene: SallyH_9 Start: 4565, Stop: 6358, Start Num: 93

Candidate Starts for SallyH_9:

(Start: 30 @4439 has 453 MA's), (Start: 36 @4454 has 5 MA's), (Start: 85 @4550 has 7 MA's), (Start: 93 @4565 has 1 MA's), (119, 4676), (165, 4808), (172, 4832), (173, 4838), (175, 4850), (180, 4862), (242, 5027), (267, 5153), (268, 5156), (269, 5168), (272, 5177), (274, 5189), (298, 5252), (302, 5261), (315, 5297), (321, 5315), (324, 5324), (334, 5372), (354, 5468), (355, 5474), (363, 5510), (369, 5558), (374, 5582), (429, 5777), (459, 5870), (569, 6122), (603, 6257), (617, 6299), (622, 6311),

Gene: SallyK_23 Start: 9291, Stop: 11117, Start Num: 41

Candidate Starts for SallyK_23:

(Start: 41 @9291 has 55 MA's), (105, 9441), (144, 9576), (165, 9615), (191, 9693), (207, 9711), (256, 9861), (259, 9876), (269, 9933), (291, 10002), (312, 10050), (316, 10059), (349, 10194), (356, 10239), (357, 10245), (369, 10317), (411, 10446), (412, 10452), (416, 10479), (440, 10578), (462, 10623), (557, 10818), (566, 10854), (573, 10872), (587, 10917),

Gene: Salvador_12 Start: 5434, Stop: 7020, Start Num: 7

Candidate Starts for Salvador_12:

(Start: 7 @5434 has 114 MA's), (101, 5686), (108, 5716), (149, 5833), (156, 5854), (159, 5869), (240, 6043), (249, 6085), (253, 6109), (254, 6112), (265, 6151), (280, 6223), (320, 6283), (321, 6286), (322, 6289), (329, 6325), (331, 6334), (333, 6340), (334, 6343), (349, 6406), (356, 6451), (363, 6481), (369, 6529), (384, 6586), (391, 6607), (404, 6634), (405, 6637), (412, 6664), (420, 6715), (431, 6763),

Gene: Samaymay_8 Start: 4438, Stop: 6357, Start Num: 30

Candidate Starts for Samaymay_8:

(Start: 30 @4438 has 453 MA's), (Start: 36 @4453 has 5 MA's), (Start: 85 @4549 has 7 MA's), (Start: 93 @4564 has 1 MA's), (119, 4675), (165, 4807), (172, 4831), (173, 4837), (175, 4849), (180, 4861), (242, 5026), (267, 5152), (268, 5155), (269, 5167), (272, 5176), (274, 5188), (298, 5251), (302, 5260), (315, 5296), (321, 5314), (324, 5323), (334, 5371), (354, 5467), (355, 5473), (363, 5509), (369, 5557), (374, 5581), (429, 5776), (459, 5869), (569, 6121), (603, 6256), (617, 6298), (622, 6310),

Gene: Sampson_14 Start: 6902, Stop: 8572, Start Num: 7

Candidate Starts for Sampson_14:

(Start: 7 @6902 has 114 MA's), (Start: 22 @6977 has 3 MA's), (33, 6998), (Start: 41 @7025 has 55 MA's), (77, 7112), (100, 7193), (106, 7223), (108, 7232), (131, 7307), (136, 7319), (150, 7355), (163, 7400), (204, 7472), (208, 7481), (244, 7592), (251, 7631), (253, 7640), (256, 7649), (258, 7661), (259, 7664), (261, 7670), (280, 7745), (316, 7793), (320, 7805), (346, 7925), (349, 7940), (356, 7985), (364, 8024), (371, 8075), (380, 8108), (383, 8120), (384, 8123), (396, 8150), (405, 8174), (420, 8252), (431, 8303), (439, 8333), (443, 8339), (465, 8396), (484, 8441),

Gene: Sanjuju_11 Start: 6983, Stop: 8605, Start Num: 7

Candidate Starts for Sanjuju_11:

(Start: 7 @6983 has 114 MA's), (Start: 46 @7103 has 20 MA's), (71, 7142), (81, 7181), (100, 7244), (126, 7337), (133, 7364), (149, 7403), (208, 7532), (227, 7592), (247, 7661), (251, 7682), (256, 7700),

(259, 7715), (261, 7721), (273, 7784), (316, 7844), (320, 7856), (328, 7895), (331, 7907), (334, 7916), (339, 7949), (343, 7961), (349, 7991), (356, 8036), (359, 8051), (360, 8054), (365, 8090), (374, 8138), (377, 8147), (384, 8174), (431, 8351), (453, 8408), (457, 8414), (464, 8429), (472, 8450), (474, 8456), (496, 8492), (505, 8519),

Gene: Saronaya_12 Start: 6272, Stop: 7900, Start Num: 7

Candidate Starts for Saronaya_12:

(Start: 7 @6272 has 114 MA's), (Start: 46 @6395 has 20 MA's), (58, 6416), (81, 6473), (100, 6536), (106, 6566), (126, 6629), (133, 6656), (208, 6824), (238, 6911), (246, 6950), (251, 6974), (256, 6992), (259, 7007), (261, 7013), (273, 7076), (320, 7148), (328, 7187), (343, 7253), (349, 7283), (356, 7328), (359, 7343), (360, 7346), (365, 7382), (374, 7430), (377, 7439), (384, 7466), (396, 7493), (411, 7538), (426, 7613), (431, 7643), (434, 7661), (453, 7700), (457, 7706), (464, 7721), (472, 7742), (474, 7748), (496, 7784), (506, 7817),

Gene: SassyCat97_8 Start: 4438, Stop: 6357, Start Num: 30

Candidate Starts for SassyCat97_8:

(Start: 30 @4438 has 453 MA's), (Start: 36 @4453 has 5 MA's), (Start: 85 @4549 has 7 MA's), (Start: 93 @4564 has 1 MA's), (119, 4675), (165, 4807), (172, 4831), (173, 4837), (175, 4849), (180, 4861), (242, 5026), (267, 5152), (268, 5155), (269, 5167), (272, 5176), (274, 5188), (298, 5251), (302, 5260), (315, 5296), (321, 5314), (324, 5323), (334, 5371), (354, 5467), (355, 5473), (363, 5509), (369, 5557), (374, 5581), (429, 5776), (459, 5869), (569, 6121), (603, 6256), (617, 6298), (622, 6310),

Gene: Savannah_19 Start: 8499, Stop: 10175, Start Num: 12

Candidate Starts for Savannah_19:

(Start: 12 @8499 has 40 MA's), (Start: 14 @8508 has 16 MA's), (66, 8622), (69, 8628), (101, 8733), (105, 8745), (128, 8844), (129, 8850), (133, 8862), (151, 8916), (157, 8934), (172, 8988), (180, 9018), (204, 9057), (211, 9075), (213, 9084), (225, 9120), (243, 9183), (256, 9246), (263, 9273), (320, 9420), (321, 9423), (329, 9462), (334, 9480), (351, 9552), (363, 9618), (364, 9627), (377, 9699), (386, 9732), (388, 9738), (398, 9768), (404, 9783), (433, 9921), (437, 9936), (447, 9957), (448, 9960),

Gene: Savbucketdawg_12 Start: 5267, Stop: 6853, Start Num: 7

Candidate Starts for Savbucketdawg_12:

(Start: 7 @5267 has 114 MA's), (42, 5381), (108, 5549), (150, 5669), (156, 5687), (159, 5702), (230, 5852), (242, 5882), (253, 5942), (254, 5945), (265, 5984), (280, 6056), (320, 6116), (321, 6119), (322, 6122), (329, 6158), (331, 6167), (333, 6173), (334, 6176), (349, 6239), (356, 6284), (363, 6314), (369, 6362), (384, 6419), (391, 6440), (396, 6446), (404, 6467), (405, 6470), (412, 6497), (420, 6548), (431, 6596),

Gene: Schadenfreude_8 Start: 4439, Stop: 6358, Start Num: 30

Candidate Starts for Schadenfreude_8:

(Start: 30 @4439 has 453 MA's), (Start: 36 @4454 has 5 MA's), (Start: 85 @4550 has 7 MA's), (Start: 93 @4565 has 1 MA's), (119, 4676), (165, 4808), (172, 4832), (173, 4838), (175, 4850), (180, 4862), (242, 5027), (267, 5153), (268, 5156), (269, 5168), (272, 5177), (274, 5189), (298, 5252), (302, 5261), (315, 5297), (321, 5315), (324, 5324), (334, 5372), (354, 5468), (355, 5474), (363, 5510), (369, 5558), (374, 5582), (459, 5870), (569, 6122), (603, 6257), (617, 6299), (622, 6311),

Gene: SchottB_11 Start: 6448, Stop: 8076, Start Num: 7

Candidate Starts for SchottB_11:

(Start: 7 @6448 has 114 MA's), (Start: 46 @6571 has 20 MA's), (58, 6592), (81, 6649), (100, 6712), (106, 6742), (126, 6805), (133, 6832), (208, 7000), (238, 7087), (246, 7126), (251, 7150), (256, 7168), (259, 7183), (261, 7189), (273, 7252), (320, 7324), (328, 7363), (343, 7429), (349, 7459), (356, 7504), (359, 7519), (360, 7522), (365, 7558), (374, 7606), (377, 7615), (384, 7642), (396, 7669), (411, 7714), (426, 7789), (431, 7819), (434, 7837), (453, 7876), (457, 7882), (464, 7897), (472, 7918), (474, 7924),

(496, 7960), (506, 7993),

Gene: Schueller_8 Start: 4441, Stop: 6360, Start Num: 30

Candidate Starts for Schueller_8:

(Start: 30 @4441 has 453 MA's), (Start: 36 @4456 has 5 MA's), (Start: 85 @4552 has 7 MA's), (Start: 93 @4567 has 1 MA's), (119, 4678), (165, 4810), (172, 4834), (173, 4840), (175, 4852), (180, 4864), (242, 5029), (267, 5155), (268, 5158), (269, 5170), (272, 5179), (274, 5191), (298, 5254), (302, 5263), (315, 5299), (321, 5317), (324, 5326), (334, 5374), (354, 5470), (355, 5476), (363, 5512), (369, 5560), (374, 5584), (429, 5779), (459, 5872), (569, 6124), (603, 6259), (617, 6301), (622, 6313),

Gene: Scioto_14 Start: 6957, Stop: 8627, Start Num: 7

Candidate Starts for Scioto_14:

(Start: 7 @6957 has 114 MA's), (Start: 22 @7032 has 3 MA's), (33, 7053), (Start: 41 @7080 has 55 MA's), (77, 7167), (100, 7248), (106, 7278), (108, 7287), (131, 7362), (136, 7374), (150, 7410), (163, 7455), (204, 7527), (208, 7536), (244, 7647), (251, 7686), (253, 7695), (256, 7704), (258, 7716), (259, 7719), (261, 7725), (280, 7800), (316, 7848), (320, 7860), (346, 7980), (349, 7995), (356, 8040), (364, 8079), (371, 8130), (380, 8163), (383, 8175), (384, 8178), (396, 8205), (405, 8229), (420, 8307), (431, 8358), (439, 8388), (443, 8394), (465, 8451), (484, 8496),

Gene: Scoot17C_8 Start: 4442, Stop: 6361, Start Num: 30

Candidate Starts for Scoot17C_8:

(Start: 30 @4442 has 453 MA's), (Start: 36 @4457 has 5 MA's), (Start: 85 @4553 has 7 MA's), (Start: 93 @4568 has 1 MA's), (119, 4679), (165, 4811), (172, 4835), (173, 4841), (175, 4853), (180, 4865), (242, 5030), (267, 5156), (268, 5159), (269, 5171), (272, 5180), (274, 5192), (298, 5255), (302, 5264), (315, 5300), (321, 5318), (324, 5327), (334, 5375), (354, 5471), (355, 5477), (363, 5513), (369, 5561), (374, 5585), (429, 5780), (459, 5873), (569, 6125), (603, 6260), (617, 6302), (622, 6314),

Gene: Scrick_8 Start: 4442, Stop: 6361, Start Num: 30

Candidate Starts for Scrick_8:

(Start: 30 @4442 has 453 MA's), (Start: 85 @4553 has 7 MA's), (Start: 93 @4568 has 1 MA's), (119, 4679), (165, 4811), (172, 4835), (173, 4841), (175, 4853), (180, 4865), (242, 5030), (267, 5156), (268, 5159), (269, 5171), (272, 5180), (274, 5192), (298, 5255), (302, 5264), (315, 5300), (321, 5318), (324, 5327), (334, 5375), (354, 5471), (355, 5477), (363, 5513), (369, 5561), (374, 5585), (429, 5780), (459, 5873), (569, 6125), (603, 6260), (617, 6302), (622, 6314),

Gene: Scumberland_21 Start: 8659, Stop: 10365, Start Num: 12

Candidate Starts for Scumberland_21:

(Start: 12 @8659 has 40 MA's), (Start: 14 @8668 has 16 MA's), (20, 8683), (66, 8782), (69, 8788), (101, 8893), (105, 8905), (128, 9004), (129, 9010), (151, 9076), (157, 9094), (172, 9148), (180, 9178), (204, 9217), (211, 9235), (213, 9244), (225, 9280), (243, 9343), (256, 9406), (263, 9433), (269, 9478), (320, 9580), (321, 9583), (329, 9622), (334, 9640), (351, 9712), (363, 9778), (364, 9787), (369, 9826), (377, 9859), (386, 9892), (388, 9898), (398, 9928), (433, 10081), (437, 10096), (447, 10117), (448, 10120), (529, 10333),

Gene: Sedona_13 Start: 7991, Stop: 9613, Start Num: 7

Candidate Starts for Sedona_13:

(Start: 7 @7991 has 114 MA's), (71, 8150), (81, 8189), (100, 8252), (126, 8345), (133, 8372), (149, 8411), (208, 8540), (227, 8600), (247, 8669), (251, 8690), (256, 8708), (259, 8723), (261, 8729), (273, 8792), (316, 8852), (320, 8864), (328, 8903), (331, 8915), (334, 8924), (339, 8957), (343, 8969), (349, 8999), (356, 9044), (359, 9059), (360, 9062), (365, 9098), (374, 9146), (377, 9155), (384, 9182), (431, 9359), (453, 9416), (457, 9422), (464, 9437), (472, 9458), (474, 9464), (496, 9500), (505, 9527),

Gene: Sejanus_7 Start: 4088, Stop: 6055, Start Num: 21

Candidate Starts for Sejanus_7:

(Start: 21 @4088 has 7 MA's), (Start: 30 @4106 has 453 MA's), (67, 4184), (Start: 78 @4214 has 11 MA's), (84, 4232), (117, 4355), (154, 4451), (157, 4460), (171, 4511), (208, 4610), (220, 4655), (241, 4715), (243, 4724), (251, 4769), (257, 4790), (268, 4847), (271, 4865), (300, 4946), (306, 4967), (311, 4979), (315, 4988), (319, 5000), (330, 5051), (331, 5054), (340, 5087), (355, 5165), (357, 5177), (363, 5201), (373, 5273), (374, 5276), (404, 5357), (426, 5456), (431, 5486), (448, 5537), (554, 5771), (575, 5837), (577, 5846), (585, 5882), (590, 5906), (612, 5984), (617, 5996), (639, 6047), (640, 6050),

Gene: Selr12_8 Start: 4441, Stop: 6360, Start Num: 30

Candidate Starts for Selr12_8:

(Start: 30 @4441 has 453 MA's), (Start: 36 @4456 has 5 MA's), (Start: 85 @4552 has 7 MA's), (Start: 93 @4567 has 1 MA's), (119, 4678), (165, 4810), (172, 4834), (173, 4840), (175, 4852), (180, 4864), (242, 5029), (267, 5155), (268, 5158), (269, 5170), (272, 5179), (274, 5191), (298, 5254), (302, 5263), (315, 5299), (321, 5317), (324, 5326), (334, 5374), (354, 5470), (355, 5476), (363, 5512), (369, 5560), (374, 5584), (429, 5779), (459, 5872), (569, 6124), (603, 6259), (617, 6301), (622, 6313),

Gene: Selwyn23_21 Start: 8668, Stop: 10344, Start Num: 12

Candidate Starts for Selwyn23_21:

(Start: 12 @8668 has 40 MA's), (Start: 14 @8677 has 16 MA's), (20, 8692), (66, 8791), (69, 8797), (101, 8902), (105, 8914), (128, 9013), (129, 9019), (133, 9031), (151, 9085), (157, 9103), (172, 9157), (180, 9187), (204, 9226), (211, 9244), (213, 9253), (225, 9289), (243, 9352), (256, 9415), (263, 9442), (320, 9589), (321, 9592), (329, 9631), (334, 9649), (351, 9721), (363, 9787), (364, 9796), (377, 9868), (386, 9901), (388, 9907), (398, 9937), (404, 9952), (433, 10090), (437, 10105), (447, 10126), (448, 10129),

Gene: Sendy_12 Start: 5562, Stop: 7145, Start Num: 7

Candidate Starts for Sendy_12:

(Start: 7 @5562 has 114 MA's), (42, 5676), (108, 5844), (150, 5964), (156, 5982), (159, 5997), (230, 6147), (242, 6177), (253, 6237), (254, 6240), (265, 6279), (280, 6351), (320, 6411), (321, 6414), (322, 6417), (329, 6453), (331, 6462), (333, 6468), (334, 6471), (349, 6534), (356, 6579), (363, 6609), (369, 6657), (384, 6714), (391, 6735), (396, 6741), (404, 6762), (412, 6792), (420, 6843), (431, 6891),

Gene: Serendipitous_10 Start: 6747, Stop: 8612, Start Num: 30

Candidate Starts for Serendipitous_10:

(Start: 30 @6747 has 453 MA's), (Start: 36 @6762 has 5 MA's), (101, 6900), (105, 6912), (120, 6972), (148, 7044), (172, 7119), (173, 7125), (225, 7236), (228, 7251), (234, 7263), (243, 7290), (270, 7428), (274, 7446), (301, 7506), (340, 7644), (348, 7680), (355, 7722), (357, 7734), (369, 7809), (374, 7833), (383, 7866), (387, 7878), (392, 7890), (404, 7914), (448, 8094), (454, 8112), (559, 8334), (584, 8436), (617, 8553),

Gene: Serendipity_8 Start: 4441, Stop: 6360, Start Num: 30

Candidate Starts for Serendipity_8:

(Start: 30 @4441 has 453 MA's), (Start: 36 @4456 has 5 MA's), (Start: 85 @4552 has 7 MA's), (Start: 93 @4567 has 1 MA's), (119, 4678), (165, 4810), (172, 4834), (173, 4840), (175, 4852), (180, 4864), (242, 5029), (267, 5155), (268, 5158), (269, 5170), (272, 5179), (274, 5191), (298, 5254), (302, 5263), (315, 5299), (321, 5317), (324, 5326), (334, 5374), (354, 5470), (355, 5476), (363, 5512), (369, 5560), (374, 5584), (429, 5779), (459, 5872), (569, 6124), (603, 6259), (617, 6301), (622, 6313),

Gene: Serpentine_008 Start: 4441, Stop: 6360, Start Num: 30

Candidate Starts for Serpentine_008:

(Start: 30 @4441 has 453 MA's), (Start: 36 @4456 has 5 MA's), (Start: 85 @4552 has 7 MA's), (Start: 93 @4567 has 1 MA's), (119, 4678), (165, 4810), (172, 4834), (173, 4840), (175, 4852), (180, 4864), (242, 5029), (267, 5155), (268, 5158), (269, 5170), (272, 5179), (274, 5191), (298, 5254), (302, 5263),

(315, 5299), (321, 5317), (324, 5326), (334, 5374), (354, 5470), (355, 5476), (363, 5512), (369, 5560), (374, 5584), (429, 5779), (459, 5872), (569, 6124), (603, 6259), (617, 6301), (622, 6313),

Gene: ShadowBud_8 Start: 4441, Stop: 6360, Start Num: 30

Candidate Starts for ShadowBud_8:

(Start: 30 @4441 has 453 MA's), (Start: 36 @4456 has 5 MA's), (Start: 85 @4552 has 7 MA's), (Start: 93 @4567 has 1 MA's), (119, 4678), (165, 4810), (172, 4834), (173, 4840), (175, 4852), (180, 4864), (242, 5029), (267, 5155), (268, 5158), (269, 5170), (272, 5179), (274, 5191), (298, 5254), (302, 5263), (315, 5299), (321, 5317), (324, 5326), (334, 5374), (354, 5470), (355, 5476), (363, 5512), (369, 5560), (374, 5584), (429, 5779), (459, 5872), (569, 6124), (603, 6259), (617, 6301), (622, 6313),

Gene: SharkTale_12 Start: 6176, Stop: 7762, Start Num: 7

Candidate Starts for SharkTale_12:

(Start: 7 @6176 has 114 MA's), (42, 6290), (96, 6392), (108, 6458), (117, 6491), (150, 6578), (156, 6596), (253, 6851), (254, 6854), (265, 6893), (280, 6965), (320, 7025), (321, 7028), (322, 7031), (328, 7064), (329, 7067), (331, 7076), (333, 7082), (334, 7085), (349, 7148), (356, 7193), (363, 7223), (369, 7271), (384, 7328), (387, 7337), (391, 7349), (412, 7406), (420, 7457),

Gene: Shatter_8 Start: 5303, Stop: 7141, Start Num: 30

Candidate Starts for Shatter_8:

(Start: 30 @5303 has 453 MA's), (Start: 55 @5351 has 4 MA's), (Start: 92 @5417 has 2 MA's), (101, 5459), (142, 5591), (168, 5654), (173, 5672), (241, 5825), (243, 5834), (251, 5879), (259, 5912), (269, 5969), (270, 5972), (274, 5990), (286, 6023), (297, 6050), (330, 6161), (334, 6173), (336, 6188), (355, 6275), (357, 6287), (369, 6362), (374, 6386), (384, 6422), (386, 6428), (387, 6431), (388, 6434), (404, 6467), (557, 6866), (558, 6869), (559, 6872), (579, 6941), (580, 6947), (585, 6968), (594, 7004), (606, 7049), (612, 7070), (622, 7094), (626, 7106), (632, 7118), (633, 7121),

Gene: Sheila_8 Start: 4439, Stop: 6358, Start Num: 30

Candidate Starts for Sheila_8:

(Start: 30 @4439 has 453 MA's), (Start: 85 @4550 has 7 MA's), (Start: 93 @4565 has 1 MA's), (119, 4676), (165, 4808), (172, 4832), (173, 4838), (175, 4850), (180, 4862), (242, 5027), (267, 5153), (268, 5156), (269, 5168), (272, 5177), (274, 5189), (298, 5252), (302, 5261), (315, 5297), (321, 5315), (324, 5324), (334, 5372), (354, 5468), (355, 5474), (363, 5510), (369, 5558), (374, 5582), (429, 5777), (459, 5870), (569, 6122), (603, 6257), (617, 6299), (622, 6311),

Gene: Shenandoah_11 Start: 6314, Stop: 8221, Start Num: 30

Candidate Starts for Shenandoah_11:

(Start: 30 @6314 has 453 MA's), (39, 6341), (84, 6422), (102, 6485), (119, 6551), (128, 6584), (168, 6692), (198, 6782), (224, 6860), (243, 6917), (253, 6971), (269, 7052), (274, 7073), (285, 7100), (308, 7151), (310, 7160), (315, 7169), (355, 7346), (357, 7358), (369, 7433), (374, 7457), (380, 7478), (411, 7562), (440, 7700), (448, 7718), (459, 7745), (473, 7769), (555, 7937), (558, 7946), (585, 8051), (589, 8060), (594, 8087), (622, 8177), (623, 8180), (632, 8201), (639, 8213),

Gene: Shenyu_10 Start: 6702, Stop: 8567, Start Num: 30

Candidate Starts for Shenyu_10:

(Start: 30 @6702 has 453 MA's), (Start: 36 @6717 has 5 MA's), (101, 6855), (105, 6867), (120, 6927), (132, 6969), (166, 7053), (169, 7065), (172, 7074), (225, 7191), (228, 7206), (243, 7245), (270, 7383), (274, 7401), (298, 7455), (340, 7599), (348, 7635), (355, 7677), (369, 7764), (374, 7788), (383, 7821), (387, 7833), (392, 7845), (404, 7869), (448, 8049), (454, 8067), (539, 8247), (548, 8268), (559, 8289), (584, 8391), (598, 8451), (639, 8559), (640, 8562),

Gene: ShiVal_8 Start: 4441, Stop: 6360, Start Num: 30

Candidate Starts for ShiVal_8:

(Start: 30 @4441 has 453 MA's), (Start: 36 @4456 has 5 MA's), (Start: 85 @4552 has 7 MA's), (Start: 93 @4567 has 1 MA's), (119, 4678), (165, 4810), (172, 4834), (173, 4840), (175, 4852), (180, 4864), (242, 5029), (267, 5155), (268, 5158), (269, 5170), (272, 5179), (274, 5191), (298, 5254), (302, 5263), (315, 5299), (321, 5317), (324, 5326), (334, 5374), (354, 5470), (355, 5476), (363, 5512), (369, 5560), (374, 5584), (429, 5779), (459, 5872), (569, 6124), (603, 6259), (617, 6301), (622, 6313),

Gene: Shinji_12 Start: 5456, Stop: 7042, Start Num: 7

Candidate Starts for Shinji_12:

(Start: 7 @5456 has 114 MA's), (42, 5570), (108, 5738), (150, 5858), (156, 5876), (159, 5891), (230, 6041), (242, 6071), (253, 6131), (254, 6134), (265, 6173), (280, 6245), (320, 6305), (321, 6308), (322, 6311), (329, 6347), (331, 6356), (333, 6362), (334, 6365), (349, 6428), (356, 6473), (363, 6503), (369, 6551), (384, 6608), (391, 6629), (396, 6635), (404, 6656), (405, 6659), (412, 6686), (420, 6737), (431, 6785),

Gene: Shivanishola_12 Start: 7199, Stop: 8818, Start Num: 7

Candidate Starts for Shivanishola_12:

(Start: 7 @7199 has 114 MA's), (71, 7358), (81, 7397), (100, 7460), (126, 7553), (133, 7580), (149, 7619), (208, 7748), (227, 7808), (247, 7877), (251, 7898), (256, 7916), (259, 7931), (261, 7937), (273, 8000), (320, 8072), (328, 8111), (331, 8123), (334, 8132), (339, 8165), (343, 8177), (349, 8207), (356, 8252), (359, 8267), (360, 8270), (365, 8306), (374, 8354), (377, 8363), (384, 8390), (431, 8567), (453, 8624), (457, 8630), (464, 8645), (472, 8666), (474, 8672), (496, 8708), (505, 8735),

Gene: Shotgun_19 Start: 8297, Stop: 9973, Start Num: 12

Candidate Starts for Shotgun_19:

(Start: 12 @8297 has 40 MA's), (Start: 14 @8306 has 16 MA's), (66, 8420), (69, 8426), (101, 8531), (105, 8543), (128, 8642), (129, 8648), (133, 8660), (151, 8714), (157, 8732), (172, 8786), (180, 8816), (204, 8855), (211, 8873), (213, 8882), (225, 8918), (243, 8981), (256, 9044), (263, 9071), (320, 9218), (321, 9221), (329, 9260), (334, 9278), (351, 9350), (363, 9416), (364, 9425), (377, 9497), (386, 9530), (388, 9536), (398, 9566), (404, 9581), (433, 9719), (437, 9734), (447, 9755), (448, 9758),

Gene: Shrubaron_20 Start: 7982, Stop: 9676, Start Num: 12

Candidate Starts for Shrubaron_20:

(Start: 12 @7982 has 40 MA's), (Start: 14 @7991 has 16 MA's), (69, 8114), (101, 8219), (105, 8231), (128, 8330), (151, 8402), (157, 8420), (204, 8543), (210, 8555), (211, 8561), (213, 8570), (225, 8606), (243, 8669), (256, 8732), (263, 8759), (269, 8804), (272, 8813), (303, 8855), (320, 8906), (321, 8909), (329, 8948), (331, 8957), (334, 8966), (343, 8999), (351, 9038), (363, 9104), (364, 9113), (365, 9128), (369, 9152), (386, 9218), (388, 9224), (398, 9251), (433, 9404), (448, 9443), (455, 9464), (470, 9509), (529, 9656),

Gene: Sigman_8 Start: 4438, Stop: 6357, Start Num: 30

Candidate Starts for Sigman_8:

(Start: 30 @4438 has 453 MA's), (Start: 36 @4453 has 5 MA's), (Start: 85 @4549 has 7 MA's), (Start: 93 @4564 has 1 MA's), (119, 4675), (165, 4807), (172, 4831), (173, 4837), (175, 4849), (180, 4861), (242, 5026), (267, 5152), (268, 5155), (269, 5167), (272, 5176), (274, 5188), (298, 5251), (302, 5260), (315, 5296), (321, 5314), (324, 5323), (334, 5371), (354, 5467), (355, 5473), (363, 5509), (369, 5557), (374, 5581), (429, 5776), (459, 5869), (569, 6121), (603, 6256), (617, 6298), (622, 6310),

Gene: SilentRX_18 Start: 8516, Stop: 10414, Start Num: 46

Candidate Starts for SilentRX_18:

(Start: 46 @8516 has 20 MA's), (84, 8603), (90, 8612), (99, 8645), (123, 8741), (140, 8786), (165, 8834), (172, 8858), (238, 9029), (240, 9032), (254, 9101), (269, 9179), (272, 9188), (274, 9200), (312, 9272), (317, 9284), (320, 9293), (329, 9335), (343, 9386), (350, 9419), (356, 9461), (357, 9467), (360, 9479), (411, 9701), (421, 9767), (433, 9809), (532, 10058), (559, 10115), (575, 10166), (611, 10301),

(634, 10376), (640, 10388),

Gene: Sillytadpoles_21 Start: 8128, Stop: 9954, Start Num: 41

Candidate Starts for Sillytadpoles_21:

(Start: 41 @8128 has 55 MA's), (105, 8278), (144, 8413), (165, 8452), (191, 8530), (207, 8548), (256, 8698), (259, 8713), (269, 8770), (291, 8839), (312, 8887), (316, 8896), (349, 9031), (356, 9076), (357, 9082), (360, 9094), (369, 9154), (411, 9283), (412, 9289), (416, 9316), (440, 9415), (462, 9460), (557, 9655), (566, 9691), (573, 9709), (587, 9754),

Gene: SilverBell_8 Start: 4441, Stop: 6360, Start Num: 30

Candidate Starts for SilverBell_8:

(Start: 30 @4441 has 453 MA's), (Start: 36 @4456 has 5 MA's), (Start: 85 @4552 has 7 MA's), (Start: 93 @4567 has 1 MA's), (119, 4678), (165, 4810), (172, 4834), (173, 4840), (175, 4852), (180, 4864), (242, 5029), (267, 5155), (268, 5158), (269, 5170), (272, 5179), (274, 5191), (298, 5254), (302, 5263), (315, 5299), (321, 5317), (324, 5326), (334, 5374), (354, 5470), (355, 5476), (363, 5512), (369, 5560), (374, 5584), (429, 5779), (459, 5872), (569, 6124), (603, 6259), (617, 6301), (622, 6313),

Gene: Simielle_8 Start: 4441, Stop: 6360, Start Num: 30

Candidate Starts for Simielle_8:

(Start: 30 @4441 has 453 MA's), (Start: 36 @4456 has 5 MA's), (Start: 85 @4552 has 7 MA's), (Start: 93 @4567 has 1 MA's), (119, 4678), (165, 4810), (172, 4834), (173, 4840), (175, 4852), (180, 4864), (242, 5029), (267, 5155), (268, 5158), (269, 5170), (272, 5179), (274, 5191), (298, 5254), (302, 5263), (315, 5299), (321, 5317), (324, 5326), (334, 5374), (354, 5470), (355, 5476), (363, 5512), (369, 5560), (374, 5584), (429, 5779), (459, 5872), (569, 6124), (603, 6259), (617, 6301), (622, 6313),

Gene: SirBeauregard_8 Start: 4550, Stop: 6358, Start Num: 85

Candidate Starts for SirBeauregard_8:

(Start: 30 @4439 has 453 MA's), (Start: 85 @4550 has 7 MA's), (Start: 93 @4565 has 1 MA's), (119, 4676), (165, 4808), (172, 4832), (173, 4838), (180, 4862), (224, 4976), (242, 5027), (267, 5153), (268, 5156), (269, 5168), (272, 5177), (274, 5189), (298, 5252), (302, 5261), (315, 5297), (321, 5315), (324, 5324), (334, 5372), (354, 5468), (355, 5474), (363, 5510), (369, 5558), (374, 5582), (429, 5777), (459, 5870), (569, 6122), (603, 6257), (617, 6299), (622, 6311),

Gene: SirFrank_19 Start: 8327, Stop: 10030, Start Num: 12

Candidate Starts for SirFrank_19:

(Start: 12 @8327 has 40 MA's), (Start: 14 @8336 has 16 MA's), (69, 8456), (101, 8561), (105, 8573), (128, 8672), (129, 8678), (132, 8687), (151, 8744), (172, 8816), (178, 8840), (179, 8843), (193, 8867), (204, 8885), (211, 8903), (213, 8912), (225, 8948), (243, 9011), (256, 9074), (263, 9101), (269, 9146), (320, 9248), (321, 9251), (329, 9290), (334, 9308), (351, 9380), (363, 9446), (364, 9455), (369, 9494), (386, 9560), (388, 9566), (398, 9596), (433, 9749), (438, 9767), (448, 9788), (455, 9809), (456, 9812), (463, 9833), (524, 9989),

Gene: SirJeffery_10 Start: 6695, Stop: 8560, Start Num: 30

Candidate Starts for SirJeffery_10:

(Start: 30 @6695 has 453 MA's), (Start: 36 @6710 has 5 MA's), (63, 6752), (101, 6848), (105, 6860), (166, 7046), (169, 7058), (172, 7067), (225, 7184), (228, 7199), (243, 7238), (270, 7376), (274, 7394), (301, 7454), (340, 7592), (348, 7628), (355, 7670), (357, 7682), (369, 7757), (374, 7781), (383, 7814), (387, 7826), (392, 7838), (404, 7862), (448, 8042), (454, 8060), (539, 8240), (548, 8261), (559, 8282), (584, 8384), (598, 8444), (639, 8552), (640, 8555),

Gene: Sisko_7 Start: 5107, Stop: 6948, Start Num: 30

Candidate Starts for Sisko_7:

(Start: 30 @5107 has 453 MA's), (Start: 92 @5221 has 2 MA's), (101, 5263), (117, 5326), (168, 5458), (173, 5476), (207, 5530), (213, 5551), (251, 5683), (259, 5716), (269, 5773), (270, 5776), (274, 5794), (290, 5845), (298, 5866), (330, 5974), (334, 5986), (355, 6088), (384, 6235), (387, 6244), (410, 6301), (510, 6580), (555, 6667), (557, 6673), (579, 6748), (580, 6754), (585, 6775), (606, 6856), (617, 6889), (622, 6901), (632, 6925), (633, 6928),

Gene: Sitar_13 Start: 7365, Stop: 8987, Start Num: 7

Candidate Starts for Sitar_13:

(Start: 7 @7365 has 114 MA's), (71, 7524), (81, 7563), (100, 7626), (133, 7746), (149, 7785), (204, 7905), (208, 7914), (227, 7974), (247, 8043), (251, 8064), (256, 8082), (259, 8097), (261, 8103), (273, 8166), (316, 8226), (320, 8238), (328, 8277), (331, 8289), (334, 8298), (339, 8331), (343, 8343), (349, 8373), (356, 8418), (359, 8433), (360, 8436), (365, 8472), (374, 8520), (377, 8529), (384, 8556), (431, 8733), (453, 8790), (457, 8796), (464, 8811), (472, 8832), (474, 8838), (496, 8874), (505, 8901),

Gene: Sixama_72 Start: 30011, Stop: 31756, Start Num: 27

Candidate Starts for Sixama_72:

(Start: 27 @30011 has 5 MA's), (29, 30017), (31, 30020), (71, 30098), (116, 30251), (128, 30299), (188, 30497), (251, 30740), (252, 30743), (256, 30758), (258, 30770), (264, 30788), (267, 30815), (272, 30836), (274, 30848), (340, 31019), (349, 31058), (357, 31109), (363, 31133), (375, 31208), (376, 31211), (382, 31235), (456, 31505), (483, 31574), (517, 31685), (536, 31733),

Gene: Sixsevenium_13 Start: 5328, Stop: 6914, Start Num: 7

Candidate Starts for Sixsevenium_13:

(Start: 7 @5328 has 114 MA's), (42, 5442), (96, 5544), (108, 5610), (117, 5643), (150, 5730), (156, 5748), (253, 6003), (254, 6006), (265, 6045), (280, 6117), (320, 6177), (321, 6180), (322, 6183), (328, 6216), (329, 6219), (331, 6228), (333, 6234), (334, 6237), (349, 6300), (356, 6345), (363, 6375), (369, 6423), (384, 6480), (387, 6489), (391, 6501), (412, 6558), (420, 6609),

Gene: Skippy_8 Start: 4441, Stop: 6360, Start Num: 30

Candidate Starts for Skippy_8:

(Start: 30 @4441 has 453 MA's), (Start: 36 @4456 has 5 MA's), (Start: 85 @4552 has 7 MA's), (Start: 93 @4567 has 1 MA's), (119, 4678), (165, 4810), (172, 4834), (173, 4840), (175, 4852), (180, 4864), (242, 5029), (267, 5155), (268, 5158), (269, 5170), (272, 5179), (274, 5191), (298, 5254), (302, 5263), (315, 5299), (321, 5317), (324, 5326), (334, 5374), (354, 5470), (355, 5476), (363, 5512), (369, 5560), (374, 5584), (429, 5779), (459, 5872), (569, 6124), (603, 6259), (617, 6301), (622, 6313),

Gene: Skugga_18 Start: 7422, Stop: 9140, Start Num: 12

Candidate Starts for Skugga_18:

(Start: 12 @7422 has 40 MA's), (Start: 14 @7431 has 16 MA's), (69, 7551), (101, 7656), (105, 7668), (128, 7767), (133, 7785), (151, 7839), (171, 7908), (176, 7932), (193, 7962), (210, 7992), (211, 7998), (213, 8007), (225, 8043), (243, 8106), (256, 8169), (263, 8196), (269, 8241), (320, 8343), (321, 8346), (334, 8403), (343, 8436), (351, 8475), (363, 8541), (364, 8550), (365, 8565), (367, 8574), (369, 8589), (377, 8622), (386, 8655), (388, 8661), (398, 8691), (412, 8736), (433, 8844), (442, 8868), (455, 8904), (456, 8907), (463, 8928), (470, 8949), (498, 8985), (523, 9084), (529, 9096), (537, 9123),

Gene: Slatt_8 Start: 4443, Stop: 6362, Start Num: 30

Candidate Starts for Slatt_8:

(Start: 30 @4443 has 453 MA's), (Start: 36 @4458 has 5 MA's), (Start: 85 @4554 has 7 MA's), (Start: 93 @4569 has 1 MA's), (119, 4680), (165, 4812), (172, 4836), (173, 4842), (175, 4854), (180, 4866), (242, 5031), (267, 5157), (268, 5160), (269, 5172), (272, 5181), (274, 5193), (298, 5256), (302, 5265), (315, 5301), (321, 5319), (324, 5328), (334, 5376), (354, 5472), (355, 5478), (363, 5514), (369, 5562), (374, 5586), (429, 5781), (459, 5874), (569, 6126), (603, 6261), (617, 6303), (622, 6315),

Gene: SlippinJimmy_11 Start: 7076, Stop: 8980, Start Num: 30

Candidate Starts for SlippinJimmy_11:

(Start: 30 @7076 has 453 MA's), (39, 7103), (84, 7184), (102, 7247), (119, 7313), (128, 7346), (168, 7454), (198, 7544), (224, 7622), (243, 7679), (253, 7733), (269, 7814), (274, 7835), (285, 7862), (308, 7913), (310, 7922), (315, 7931), (355, 8108), (357, 8120), (369, 8195), (374, 8219), (380, 8240), (411, 8324), (440, 8462), (448, 8480), (459, 8507), (473, 8531), (555, 8696), (558, 8705), (585, 8810), (589, 8819), (594, 8846), (622, 8936), (623, 8939), (632, 8960), (639, 8972),

Gene: SlySloth_24 Start: 9083, Stop: 10909, Start Num: 41

Candidate Starts for SlySloth_24:

(Start: 41 @9083 has 55 MA's), (105, 9233), (144, 9368), (165, 9407), (191, 9485), (207, 9503), (256, 9653), (259, 9668), (269, 9725), (291, 9794), (312, 9842), (316, 9851), (349, 9986), (356, 10031), (357, 10037), (360, 10049), (369, 10109), (411, 10238), (412, 10244), (416, 10271), (440, 10370), (462, 10415), (557, 10610), (566, 10646), (573, 10664), (587, 10709),

Gene: Smarties_28 Start: 10100, Stop: 11824, Start Num: 12

Candidate Starts for Smarties_28:

(Start: 12 @10100 has 40 MA's), (Start: 14 @10109 has 16 MA's), (69, 10229), (101, 10334), (105, 10346), (128, 10445), (151, 10517), (157, 10535), (222, 10715), (225, 10721), (231, 10745), (243, 10784), (256, 10847), (263, 10874), (269, 10919), (320, 11021), (321, 11024), (329, 11063), (331, 11072), (343, 11114), (351, 11153), (363, 11219), (364, 11228), (365, 11243), (369, 11267), (386, 11333), (388, 11339), (398, 11366), (433, 11519), (438, 11537), (455, 11579), (463, 11603), (470, 11624), (498, 11660), (538, 11801), (544, 11813),

Gene: SmokingBunny_12 Start: 5434, Stop: 7020, Start Num: 7

Candidate Starts for SmokingBunny_12:

(Start: 7 @5434 has 114 MA's), (101, 5686), (108, 5716), (149, 5833), (156, 5854), (159, 5869), (240, 6043), (249, 6085), (253, 6109), (254, 6112), (265, 6151), (280, 6223), (320, 6283), (321, 6286), (322, 6289), (329, 6325), (331, 6334), (333, 6340), (334, 6343), (349, 6406), (356, 6451), (363, 6481), (369, 6529), (384, 6586), (391, 6607), (404, 6634), (405, 6637), (412, 6664), (420, 6715), (431, 6763),

Gene: Soile_8 Start: 4440, Stop: 6359, Start Num: 30

Candidate Starts for Soile_8:

(Start: 30 @4440 has 453 MA's), (Start: 85 @4551 has 7 MA's), (Start: 93 @4566 has 1 MA's), (119, 4677), (165, 4809), (172, 4833), (173, 4839), (175, 4851), (180, 4863), (242, 5028), (267, 5154), (268, 5157), (269, 5169), (272, 5178), (274, 5190), (298, 5253), (302, 5262), (315, 5298), (321, 5316), (324, 5325), (334, 5373), (354, 5469), (355, 5475), (363, 5511), (369, 5559), (374, 5583), (429, 5778), (459, 5871), (569, 6123), (603, 6258), (617, 6300), (622, 6312),

Gene: Solosis_8 Start: 4441, Stop: 6360, Start Num: 30

Candidate Starts for Solosis_8:

(Start: 30 @4441 has 453 MA's), (Start: 36 @4456 has 5 MA's), (Start: 85 @4552 has 7 MA's), (Start: 93 @4567 has 1 MA's), (119, 4678), (165, 4810), (172, 4834), (173, 4840), (175, 4852), (180, 4864), (242, 5029), (267, 5155), (268, 5158), (269, 5170), (272, 5179), (274, 5191), (298, 5254), (302, 5263), (315, 5299), (321, 5317), (324, 5326), (334, 5374), (354, 5470), (355, 5476), (363, 5512), (369, 5560), (374, 5584), (429, 5779), (459, 5872), (569, 6124), (603, 6259), (617, 6301), (622, 6313),

Gene: Soos_37 Start: 17429, Stop: 19387, Start Num: 25

Candidate Starts for Soos_37:

(Start: 25 @17429 has 8 MA's), (44, 17474), (72, 17525), (80, 17552), (145, 17741), (213, 17900), (243, 17993), (258, 18068), (272, 18137), (274, 18149), (275, 18155), (302, 18257), (313, 18290), (331, 18362), (332, 18365), (340, 18395), (349, 18434), (364, 18518), (403, 18662), (404, 18665), (412, 18695), (432, 18803), (446, 18839), (449, 18848), (511, 18983), (540, 19064), (551, 19097),

(578, 19187), (621, 19340), (634, 19379),

Gene: Sophia_8 Start: 4441, Stop: 6360, Start Num: 30

Candidate Starts for Sophia_8:

(Start: 30 @4441 has 453 MA's), (Start: 36 @4456 has 5 MA's), (Start: 85 @4552 has 7 MA's), (Start: 93 @4567 has 1 MA's), (119, 4678), (165, 4810), (172, 4834), (173, 4840), (175, 4852), (180, 4864), (242, 5029), (267, 5155), (268, 5158), (269, 5170), (272, 5179), (274, 5191), (298, 5254), (302, 5263), (315, 5299), (321, 5317), (324, 5326), (334, 5374), (354, 5470), (355, 5476), (363, 5512), (369, 5560), (374, 5584), (429, 5779), (459, 5872), (569, 6124), (603, 6259), (617, 6301), (622, 6313),

Gene: Soto_8 Start: 4438, Stop: 6357, Start Num: 30

Candidate Starts for Soto_8:

(Start: 30 @4438 has 453 MA's), (Start: 85 @4549 has 7 MA's), (Start: 93 @4564 has 1 MA's), (119, 4675), (165, 4807), (172, 4831), (173, 4837), (175, 4849), (180, 4861), (242, 5026), (267, 5152), (268, 5155), (269, 5167), (272, 5176), (274, 5188), (298, 5251), (302, 5260), (315, 5296), (321, 5314), (324, 5323), (334, 5371), (354, 5467), (355, 5473), (363, 5509), (369, 5557), (374, 5581), (429, 5776), (459, 5869), (569, 6121), (603, 6256), (617, 6298), (622, 6310),

Gene: Sour_11 Start: 6964, Stop: 8784, Start Num: 30

Candidate Starts for Sour_11:

(Start: 30 @6964 has 453 MA's), (Start: 92 @7078 has 2 MA's), (101, 7120), (109, 7153), (117, 7183), (142, 7252), (168, 7315), (173, 7333), (178, 7351), (241, 7486), (251, 7540), (254, 7552), (259, 7573), (269, 7630), (270, 7633), (272, 7639), (274, 7651), (330, 7828), (334, 7840), (336, 7855), (355, 7942), (357, 7954), (369, 8029), (384, 8089), (410, 8155), (414, 8176), (475, 8365), (553, 8509), (558, 8521), (579, 8593), (580, 8599), (585, 8620), (589, 8629), (590, 8644), (612, 8722), (617, 8734), (632, 8770), (633, 8773),

Gene: Spartan300_8 Start: 4438, Stop: 6357, Start Num: 30

Candidate Starts for Spartan300_8:

(Start: 30 @4438 has 453 MA's), (Start: 36 @4453 has 5 MA's), (Start: 85 @4549 has 7 MA's), (Start: 93 @4564 has 1 MA's), (119, 4675), (165, 4807), (172, 4831), (173, 4837), (175, 4849), (180, 4861), (242, 5026), (267, 5152), (268, 5155), (269, 5167), (272, 5176), (274, 5188), (298, 5251), (302, 5260), (315, 5296), (321, 5314), (324, 5323), (334, 5371), (354, 5467), (355, 5473), (363, 5509), (369, 5557), (374, 5581), (429, 5776), (459, 5869), (569, 6121), (603, 6256), (617, 6298), (622, 6310),

Gene: Spiderpig_21 Start: 7665, Stop: 9464, Start Num: 41

Candidate Starts for Spiderpig_21:

(Start: 41 @7665 has 55 MA's), (165, 7980), (173, 8010), (207, 8076), (284, 8343), (299, 8388), (328, 8475), (340, 8520), (348, 8556), (356, 8604), (357, 8610), (360, 8622), (365, 8658), (369, 8682), (411, 8817), (433, 8925), (438, 8946), (480, 9027), (557, 9165), (566, 9201), (589, 9267), (606, 9336), (613, 9369), (638, 9438),

Gene: Squash_24 Start: 9156, Stop: 10982, Start Num: 41

Candidate Starts for Squash_24:

(Start: 41 @9156 has 55 MA's), (144, 9441), (165, 9480), (191, 9558), (207, 9576), (256, 9726), (259, 9741), (269, 9798), (291, 9867), (312, 9915), (316, 9924), (349, 10059), (356, 10104), (357, 10110), (360, 10122), (369, 10182), (411, 10311), (412, 10317), (416, 10344), (440, 10443), (462, 10488), (557, 10683), (566, 10719), (573, 10737), (587, 10782), (631, 10938),

Gene: Squid_8 Start: 4438, Stop: 6357, Start Num: 30

Candidate Starts for Squid_8:

(Start: 30 @4438 has 453 MA's), (Start: 36 @4453 has 5 MA's), (Start: 85 @4549 has 7 MA's), (Start: 93 @4564 has 1 MA's), (119, 4675), (165, 4807), (172, 4831), (173, 4837), (175, 4849), (180, 4861),

(242, 5026), (267, 5152), (268, 5155), (269, 5167), (272, 5176), (274, 5188), (298, 5251), (302, 5260), (315, 5296), (321, 5314), (324, 5323), (334, 5371), (354, 5467), (355, 5473), (363, 5509), (369, 5557), (374, 5581), (429, 5776), (459, 5869), (569, 6121), (603, 6256), (617, 6298), (622, 6310),

Gene: Squiggle_8 Start: 4441, Stop: 6360, Start Num: 30

Candidate Starts for Squiggle_8:

(Start: 30 @4441 has 453 MA's), (Start: 36 @4456 has 5 MA's), (Start: 85 @4552 has 7 MA's), (Start: 93 @4567 has 1 MA's), (119, 4678), (165, 4810), (172, 4834), (173, 4840), (175, 4852), (180, 4864), (242, 5029), (267, 5155), (268, 5158), (269, 5170), (272, 5179), (274, 5191), (298, 5254), (302, 5263), (315, 5299), (321, 5317), (324, 5326), (334, 5374), (354, 5470), (355, 5476), (363, 5512), (369, 5560), (374, 5584), (429, 5779), (459, 5872), (569, 6124), (603, 6259), (617, 6301), (622, 6313),

Gene: StAugustine_14 Start: 9397, Stop: 11364, Start Num: 30

Candidate Starts for StAugustine_14:

(Start: 30 @9397 has 453 MA's), (Start: 78 @9490 has 11 MA's), (Start: 92 @9523 has 2 MA's), (101, 9565), (119, 9634), (169, 9784), (203, 9865), (208, 9877), (251, 10030), (272, 10129), (274, 10141), (308, 10234), (326, 10297), (330, 10315), (331, 10318), (355, 10429), (361, 10456), (373, 10537), (374, 10540), (404, 10621), (464, 10840), (552, 11059), (554, 11071), (557, 11083), (567, 11122), (579, 11158), (582, 11170), (585, 11185), (597, 11239), (606, 11266), (630, 11335), (633, 11344),

Gene: Statler_23 Start: 9110, Stop: 10936, Start Num: 41

Candidate Starts for Statler_23:

(Start: 41 @9110 has 55 MA's), (144, 9395), (165, 9434), (191, 9512), (207, 9530), (256, 9680), (259, 9695), (269, 9752), (291, 9821), (312, 9869), (316, 9878), (349, 10013), (356, 10058), (357, 10064), (360, 10076), (369, 10136), (411, 10265), (412, 10271), (416, 10298), (440, 10397), (462, 10442), (557, 10637), (566, 10673), (573, 10691), (587, 10736),

Gene: Stewart25555_66 Start: 28084, Stop: 29715, Start Num: 26

Candidate Starts for Stewart25555_66:

(Start: 26 @28084 has 9 MA's), (Start: 55 @28144 has 4 MA's), (116, 28324), (117, 28333), (172, 28501), (243, 28699), (287, 28882), (304, 28903), (320, 28951), (325, 28972), (330, 28999), (358, 29131), (373, 29218), (400, 29296), (460, 29527), (540, 29704),

Gene: Stichling_12 Start: 5659, Stop: 7287, Start Num: 7

Candidate Starts for Stichling_12:

(Start: 7 @5659 has 114 MA's), (Start: 46 @5782 has 20 MA's), (58, 5803), (81, 5860), (100, 5923), (106, 5953), (126, 6016), (133, 6043), (208, 6211), (238, 6298), (246, 6337), (251, 6361), (256, 6379), (259, 6394), (261, 6400), (273, 6463), (320, 6535), (328, 6574), (334, 6595), (343, 6640), (349, 6670), (356, 6715), (359, 6730), (360, 6733), (365, 6769), (374, 6817), (377, 6826), (384, 6853), (396, 6880), (411, 6925), (426, 7000), (431, 7030), (434, 7048), (453, 7087), (457, 7093), (464, 7108), (472, 7129), (474, 7135), (496, 7171), (506, 7204),

Gene: Stillion_40 Start: 18014, Stop: 19972, Start Num: 25

Candidate Starts for Stillion_40:

(Start: 25 @18014 has 8 MA's), (44, 18059), (72, 18110), (80, 18137), (145, 18326), (213, 18485), (243, 18578), (258, 18653), (272, 18722), (274, 18734), (275, 18740), (302, 18842), (313, 18875), (331, 18947), (332, 18950), (340, 18980), (349, 19019), (364, 19103), (403, 19247), (404, 19250), (412, 19280), (432, 19388), (446, 19424), (449, 19433), (511, 19568), (551, 19682), (578, 19772), (579, 19778), (621, 19925), (634, 19964),

Gene: Sting_40 Start: 17868, Stop: 19826, Start Num: 25

Candidate Starts for Sting_40:

(Start: 25 @17868 has 8 MA's), (44, 17913), (72, 17964), (80, 17991), (145, 18180), (213, 18339), (243, 18432), (258, 18507), (272, 18576), (274, 18588), (275, 18594), (302, 18696), (313, 18729), (331, 18801), (332, 18804), (340, 18834), (349, 18873), (364, 18957), (403, 19101), (404, 19104), (412, 19134), (432, 19242), (446, 19278), (449, 19287), (511, 19422), (551, 19536), (571, 19605), (578, 19626), (621, 19779), (634, 19818),

Gene: Stinger_7 Start: 5191, Stop: 7080, Start Num: 30

Candidate Starts for Stinger_7:

(Start: 30 @5191 has 453 MA's), (Start: 78 @5272 has 11 MA's), (91, 5302), (94, 5311), (102, 5353), (105, 5362), (120, 5422), (154, 5509), (157, 5518), (173, 5578), (196, 5638), (213, 5674), (240, 5752), (241, 5755), (251, 5809), (254, 5821), (269, 5899), (270, 5902), (298, 5974), (302, 5983), (334, 6094), (336, 6109), (348, 6154), (355, 6196), (357, 6208), (373, 6304), (374, 6307), (376, 6313), (383, 6340), (385, 6346), (404, 6388), (449, 6571), (461, 6598), (499, 6661), (547, 6769), (548, 6772), (552, 6775), (557, 6787), (568, 6829), (569, 6835), (584, 6895), (585, 6898), (589, 6907), (617, 7021), (629, 7051), (639, 7072),

Gene: StinkyVeggy_11 Start: 6863, Stop: 8728, Start Num: 30

Candidate Starts for StinkyVeggy_11:

(Start: 30 @6863 has 453 MA's), (Start: 36 @6878 has 5 MA's), (101, 7016), (166, 7214), (169, 7226), (172, 7235), (225, 7352), (228, 7367), (243, 7406), (270, 7544), (274, 7562), (340, 7760), (348, 7796), (355, 7838), (369, 7925), (374, 7949), (383, 7982), (387, 7994), (392, 8006), (404, 8030), (448, 8210), (454, 8228), (539, 8408), (548, 8429), (559, 8450), (584, 8552), (598, 8612), (639, 8720), (640, 8723),

Gene: StorminNorm_12 Start: 6275, Stop: 7903, Start Num: 7

Candidate Starts for StorminNorm_12:

(Start: 7 @6275 has 114 MA's), (Start: 46 @6398 has 20 MA's), (58, 6419), (81, 6476), (100, 6539), (106, 6569), (126, 6632), (133, 6659), (208, 6827), (238, 6914), (246, 6953), (251, 6977), (256, 6995), (259, 7010), (261, 7016), (273, 7079), (320, 7151), (328, 7190), (343, 7256), (349, 7286), (356, 7331), (359, 7346), (360, 7349), (365, 7385), (374, 7433), (377, 7442), (384, 7469), (396, 7496), (411, 7541), (420, 7598), (426, 7616), (431, 7646), (434, 7664), (453, 7703), (457, 7709), (464, 7724), (472, 7745), (474, 7751), (496, 7787), (506, 7820),

Gene: StrawberryJamm_24 Start: 8430, Stop: 10256, Start Num: 41

Candidate Starts for StrawberryJamm_24:

(Start: 41 @8430 has 55 MA's), (105, 8580), (144, 8715), (165, 8754), (191, 8832), (207, 8850), (256, 9000), (259, 9015), (269, 9072), (291, 9141), (312, 9189), (316, 9198), (349, 9333), (356, 9378), (357, 9384), (360, 9396), (369, 9456), (411, 9585), (412, 9591), (416, 9618), (440, 9717), (462, 9762), (557, 9957), (566, 9993), (573, 10011), (587, 10056),

Gene: Struggle_8 Start: 4438, Stop: 6357, Start Num: 30

Candidate Starts for Struggle_8:

(Start: 30 @4438 has 453 MA's), (Start: 85 @4549 has 7 MA's), (Start: 93 @4564 has 1 MA's), (119, 4675), (165, 4807), (172, 4831), (173, 4837), (180, 4861), (224, 4975), (242, 5026), (267, 5152), (268, 5155), (269, 5167), (272, 5176), (274, 5188), (298, 5251), (302, 5260), (315, 5296), (321, 5314), (324, 5323), (334, 5371), (354, 5467), (355, 5473), (363, 5509), (369, 5557), (374, 5581), (429, 5776), (459, 5869), (569, 6121), (584, 6181), (603, 6256), (617, 6298), (622, 6310),

Gene: Stultus_12 Start: 7189, Stop: 8811, Start Num: 7

Candidate Starts for Stultus_12:

(Start: 7 @7189 has 114 MA's), (71, 7348), (81, 7387), (100, 7450), (126, 7543), (133, 7570), (149, 7609), (208, 7738), (227, 7798), (232, 7813), (247, 7867), (251, 7888), (256, 7906), (259, 7921), (261, 7927), (273, 7990), (316, 8050), (320, 8062), (328, 8101), (331, 8113), (334, 8122), (339, 8155), (343, 8167), (349, 8197), (356, 8242), (359, 8257), (360, 8260), (365, 8296), (374, 8344), (377, 8353), (384,

8380), (431, 8557), (453, 8614), (457, 8620), (464, 8635), (472, 8656), (474, 8662), (496, 8698), (505, 8725),

Gene: Suffolk_8 Start: 4440, Stop: 6359, Start Num: 30

Candidate Starts for Suffolk_8:

(Start: 30 @4440 has 453 MA's), (Start: 36 @4455 has 5 MA's), (Start: 85 @4551 has 7 MA's), (Start: 93 @4566 has 1 MA's), (119, 4677), (165, 4809), (172, 4833), (173, 4839), (175, 4851), (180, 4863), (242, 5028), (267, 5154), (268, 5157), (269, 5169), (272, 5178), (274, 5190), (298, 5253), (302, 5262), (315, 5298), (321, 5316), (324, 5325), (334, 5373), (354, 5469), (355, 5475), (363, 5511), (369, 5559), (374, 5583), (429, 5778), (459, 5871), (569, 6123), (603, 6258), (617, 6300), (622, 6312),

Gene: Suigeneris_10 Start: 6695, Stop: 8560, Start Num: 30

Candidate Starts for Suigeneris_10:

(Start: 30 @6695 has 453 MA's), (Start: 36 @6710 has 5 MA's), (63, 6752), (101, 6848), (105, 6860), (166, 7046), (169, 7058), (172, 7067), (225, 7184), (228, 7199), (243, 7238), (270, 7376), (274, 7394), (301, 7454), (340, 7592), (348, 7628), (355, 7670), (357, 7682), (369, 7757), (374, 7781), (383, 7814), (387, 7826), (392, 7838), (404, 7862), (448, 8042), (454, 8060), (539, 8240), (548, 8261), (559, 8282), (584, 8384), (598, 8444), (639, 8552), (640, 8555),

Gene: Sunfish_26 Start: 9771, Stop: 11576, Start Num: 34

Candidate Starts for Sunfish_26:

(Start: 34 @9771 has 9 MA's), (50, 9810), (105, 9951), (115, 9990), (122, 10017), (144, 10065), (177, 10149), (243, 10290), (254, 10347), (284, 10467), (310, 10518), (329, 10581), (331, 10590), (334, 10599), (356, 10707), (357, 10713), (364, 10746), (402, 10887), (425, 10986), (432, 11022), (433, 11025), (514, 11199), (576, 11334), (589, 11379), (599, 11433), (607, 11457),

Gene: Sunny_ Start: 8363, Stop: 10132, Start Num: 2

Candidate Starts for Sunny_:

(Start: 2 @8363 has 2 MA's), (8, 8429), (Start: 12 @8456 has 40 MA's), (Start: 14 @8465 has 16 MA's), (Start: 55 @8561 has 4 MA's), (69, 8585), (101, 8690), (105, 8702), (128, 8801), (151, 8873), (157, 8891), (176, 8966), (179, 8972), (204, 9011), (210, 9023), (213, 9038), (220, 9062), (225, 9074), (232, 9101), (241, 9128), (243, 9137), (263, 9227), (269, 9272), (320, 9374), (321, 9377), (331, 9425), (334, 9434), (351, 9506), (363, 9572), (364, 9581), (388, 9692), (408, 9749), (438, 9893), (445, 9905), (455, 9935), (519, 10103),

Gene: Surely_8 Start: 4441, Stop: 6360, Start Num: 30

Candidate Starts for Surely_8:

(Start: 30 @4441 has 453 MA's), (Start: 36 @4456 has 5 MA's), (Start: 85 @4552 has 7 MA's), (Start: 93 @4567 has 1 MA's), (119, 4678), (165, 4810), (172, 4834), (173, 4840), (175, 4852), (180, 4864), (242, 5029), (267, 5155), (268, 5158), (269, 5170), (272, 5179), (274, 5191), (298, 5254), (302, 5263), (315, 5299), (321, 5317), (324, 5326), (334, 5374), (354, 5470), (355, 5476), (363, 5512), (369, 5560), (374, 5584), (429, 5779), (459, 5872), (569, 6124), (603, 6259), (617, 6301), (622, 6313),

Gene: SwainyDoc_11 Start: 6312, Stop: 8216, Start Num: 30

Candidate Starts for SwainyDoc_11:

(Start: 30 @6312 has 453 MA's), (39, 6339), (84, 6420), (102, 6483), (119, 6549), (128, 6582), (168, 6690), (198, 6780), (224, 6858), (243, 6915), (253, 6969), (269, 7050), (274, 7071), (285, 7098), (308, 7149), (310, 7158), (315, 7167), (355, 7344), (357, 7356), (369, 7431), (374, 7455), (380, 7476), (411, 7560), (440, 7698), (448, 7716), (459, 7743), (473, 7767), (555, 7932), (558, 7941), (585, 8046), (589, 8055), (594, 8082), (622, 8172), (623, 8175), (632, 8196), (639, 8208),

Gene: Swiphy_8 Start: 4441, Stop: 6360, Start Num: 30

Candidate Starts for Swiphy_8:

(Start: 30 @4441 has 453 MA's), (Start: 85 @4552 has 7 MA's), (Start: 93 @4567 has 1 MA's), (119, 4678), (165, 4810), (172, 4834), (173, 4840), (175, 4852), (180, 4864), (242, 5029), (267, 5155), (268, 5158), (269, 5170), (272, 5179), (274, 5191), (298, 5254), (302, 5263), (315, 5299), (321, 5317), (324, 5326), (334, 5374), (354, 5470), (355, 5476), (363, 5512), (369, 5560), (374, 5584), (429, 5779), (459, 5872), (569, 6124), (603, 6259), (617, 6301), (622, 6313),

Gene: Swish_8 Start: 4442, Stop: 6361, Start Num: 30

Candidate Starts for Swish_8:

(Start: 30 @4442 has 453 MA's), (Start: 36 @4457 has 5 MA's), (Start: 85 @4553 has 7 MA's), (Start: 93 @4568 has 1 MA's), (119, 4679), (165, 4811), (172, 4835), (173, 4841), (175, 4853), (180, 4865), (242, 5030), (267, 5156), (268, 5159), (269, 5171), (272, 5180), (274, 5192), (298, 5255), (302, 5264), (315, 5300), (321, 5318), (324, 5327), (334, 5375), (354, 5471), (355, 5477), (363, 5513), (369, 5561), (374, 5585), (429, 5780), (459, 5873), (569, 6125), (603, 6260), (617, 6302), (622, 6314),

Gene: SynergyX_11 Start: 6315, Stop: 8219, Start Num: 30

Candidate Starts for SynergyX_11:

(Start: 30 @6315 has 453 MA's), (39, 6342), (84, 6423), (102, 6486), (119, 6552), (128, 6585), (168, 6693), (198, 6783), (224, 6861), (243, 6918), (253, 6972), (269, 7053), (274, 7074), (285, 7101), (308, 7152), (310, 7161), (315, 7170), (355, 7347), (357, 7359), (369, 7434), (374, 7458), (380, 7479), (411, 7563), (440, 7701), (448, 7719), (459, 7746), (473, 7770), (558, 7944), (585, 8049), (589, 8058), (594, 8085), (622, 8175), (632, 8199), (639, 8211),

Gene: TA17A_12 Start: 7728, Stop: 9617, Start Num: 30

Candidate Starts for TA17A_12:

(Start: 30 @7728 has 453 MA's), (54, 7776), (65, 7800), (Start: 78 @7818 has 11 MA's), (Start: 92 @7851 has 2 MA's), (117, 7959), (150, 8043), (168, 8106), (178, 8142), (190, 8172), (199, 8193), (213, 8226), (241, 8304), (243, 8313), (251, 8358), (269, 8448), (270, 8451), (272, 8457), (274, 8469), (279, 8484), (285, 8496), (319, 8580), (326, 8613), (330, 8631), (343, 8676), (355, 8745), (357, 8757), (374, 8856), (376, 8862), (383, 8889), (387, 8901), (391, 8907), (404, 8937), (405, 8940), (412, 8967), (425, 9033), (427, 9042), (448, 9117), (463, 9153), (553, 9336), (555, 9339), (559, 9351), (583, 9438), (585, 9447), (589, 9456), (590, 9471), (597, 9501), (603, 9519), (608, 9534), (617, 9561), (622, 9573), (639, 9609),

Gene: TP1604_10 Start: 8087, Stop: 9889, Start Num: 78

Candidate Starts for TP1604_10:

(Start: 78 @8087 has 11 MA's), (114, 8213), (120, 8234), (124, 8246), (137, 8294), (154, 8333), (166, 8375), (173, 8402), (197, 8471), (206, 8492), (213, 8513), (240, 8591), (242, 8597), (243, 8603), (265, 8699), (272, 8747), (318, 8825), (329, 8870), (331, 8879), (340, 8912), (343, 8921), (348, 8948), (370, 9080), (459, 9377), (476, 9413), (502, 9458), (510, 9503), (523, 9548), (549, 9599), (565, 9650), (570, 9668), (583, 9716), (607, 9803), (618, 9833), (628, 9860), (638, 9878),

Gene: TPA2_17 Start: 7975, Stop: 9807, Start Num: 30

Candidate Starts for TPA2_17:

(Start: 30 @7975 has 453 MA's), (57, 8026), (72, 8044), (101, 8143), (117, 8203), (143, 8272), (154, 8284), (173, 8353), (179, 8374), (180, 8377), (216, 8434), (241, 8506), (243, 8515), (259, 8593), (269, 8650), (270, 8653), (272, 8659), (274, 8671), (301, 8719), (315, 8758), (334, 8833), (340, 8857), (348, 8893), (357, 8947), (366, 9001), (369, 9019), (372, 9034), (383, 9076), (387, 9088), (404, 9124), (419, 9202), (474, 9361), (553, 9523), (557, 9532), (558, 9535), (559, 9538), (580, 9613), (585, 9634), (589, 9643), (590, 9658), (592, 9661), (606, 9715), (612, 9736), (617, 9748), (622, 9760), (626, 9772), (627, 9775),

Gene: Talia1610_76 Start: 33060, Stop: 34739, Start Num: 26

Candidate Starts for Talia1610_76:

(Start: 22 @33054 has 3 MA's), (Start: 26 @33060 has 9 MA's), (Start: 78 @33165 has 11 MA's), (113, 33288), (116, 33300), (157, 33423), (243, 33675), (251, 33720), (259, 33753), (301, 33876), (304, 33885), (307, 33897), (320, 33933), (363, 34131), (373, 34200), (451, 34485), (478, 34551), (480, 34557), (523, 34683), (526, 34692), (540, 34728),

Gene: TallGrassMM_8 Start: 4441, Stop: 6360, Start Num: 30

Candidate Starts for TallGrassMM_8:

(Start: 30 @4441 has 453 MA's), (Start: 36 @4456 has 5 MA's), (Start: 85 @4552 has 7 MA's), (Start: 93 @4567 has 1 MA's), (119, 4678), (165, 4810), (172, 4834), (173, 4840), (175, 4852), (180, 4864), (242, 5029), (267, 5155), (268, 5158), (269, 5170), (272, 5179), (274, 5191), (298, 5254), (302, 5263), (315, 5299), (321, 5317), (324, 5326), (334, 5374), (354, 5470), (355, 5476), (363, 5512), (369, 5560), (374, 5584), (429, 5779), (459, 5872), (569, 6124), (603, 6259), (617, 6301), (622, 6313),

Gene: Tangent_10 Start: 6017, Stop: 7639, Start Num: 7

Candidate Starts for Tangent_10:

(Start: 7 @6017 has 114 MA's), (71, 6176), (81, 6215), (100, 6278), (126, 6371), (133, 6398), (149, 6437), (204, 6557), (208, 6566), (227, 6626), (247, 6695), (251, 6716), (256, 6734), (259, 6749), (261, 6755), (273, 6818), (316, 6878), (320, 6890), (328, 6929), (331, 6941), (334, 6950), (343, 6995), (349, 7025), (356, 7070), (359, 7085), (360, 7088), (365, 7124), (374, 7172), (377, 7181), (384, 7208), (431, 7385), (453, 7442), (457, 7448), (464, 7463), (472, 7484), (474, 7490), (496, 7526), (505, 7553),

Gene: Tangerine_12 Start: 6284, Stop: 7912, Start Num: 7

Candidate Starts for Tangerine_12:

(Start: 7 @6284 has 114 MA's), (Start: 46 @6407 has 20 MA's), (58, 6428), (81, 6485), (100, 6548), (106, 6578), (126, 6641), (133, 6668), (208, 6836), (238, 6923), (246, 6962), (251, 6986), (256, 7004), (259, 7019), (261, 7025), (273, 7088), (320, 7160), (328, 7199), (343, 7265), (349, 7295), (356, 7340), (359, 7355), (360, 7358), (365, 7394), (374, 7442), (377, 7451), (384, 7478), (396, 7505), (411, 7550), (420, 7607), (426, 7625), (431, 7655), (434, 7673), (453, 7712), (457, 7718), (464, 7733), (472, 7754), (474, 7760), (496, 7796), (506, 7829),

Gene: Tank_17 Start: 8380, Stop: 10260, Start Num: 46

Candidate Starts for Tank_17:

(Start: 46 @8380 has 20 MA's), (50, 8389), (84, 8464), (100, 8512), (115, 8572), (123, 8602), (165, 8695), (213, 8815), (230, 8872), (238, 8887), (249, 8932), (272, 9046), (274, 9058), (312, 9133), (317, 9145), (320, 9154), (321, 9157), (328, 9193), (343, 9247), (356, 9322), (360, 9340), (397, 9493), (399, 9499), (401, 9505), (405, 9520), (411, 9541), (433, 9649), (447, 9688), (462, 9718), (532, 9895), (571, 9997), (601, 10096), (611, 10138), (634, 10213), (640, 10225),

Gene: Taptic_6 Start: 3328, Stop: 5202, Start Num: 21

Candidate Starts for Taptic_6:

(Start: 21 @3328 has 7 MA's), (Start: 30 @3346 has 453 MA's), (Start: 59 @3403 has 2 MA's), (109, 3541), (117, 3571), (135, 3625), (173, 3736), (220, 3865), (241, 3922), (243, 3931), (251, 3976), (256, 3994), (271, 4072), (272, 4075), (315, 4159), (323, 4183), (327, 4207), (355, 4336), (357, 4348), (363, 4372), (369, 4423), (383, 4480), (387, 4492), (432, 4666), (459, 4735), (579, 4987), (617, 5128), (622, 5140), (640, 5182),

Gene: Taraxa_8 Start: 4551, Stop: 6359, Start Num: 85

Candidate Starts for Taraxa_8:

(Start: 30 @4440 has 453 MA's), (Start: 85 @4551 has 7 MA's), (Start: 93 @4566 has 1 MA's), (119, 4677), (165, 4809), (172, 4833), (173, 4839), (175, 4851), (180, 4863), (242, 5028), (267, 5154), (268, 5157), (269, 5169), (272, 5178), (274, 5190), (298, 5253), (302, 5262), (315, 5298), (321, 5316), (324, 5325), (334, 5373), (354, 5469), (355, 5475), (363, 5511), (369, 5559), (374, 5583), (429, 5778), (459, 5871), (569, 6123), (603, 6258), (617, 6300), (622, 6312),

Gene: Tardus_14 Start: 5997, Stop: 7670, Start Num: 7

Candidate Starts for Tardus_14:

(Start: 7 @5997 has 114 MA's), (Start: 22 @6072 has 3 MA's), (Start: 41 @6120 has 55 MA's), (77, 6207), (100, 6288), (106, 6318), (150, 6450), (163, 6495), (204, 6567), (208, 6576), (244, 6687), (251, 6726), (256, 6744), (258, 6756), (259, 6759), (261, 6765), (280, 6840), (320, 6900), (346, 7020), (349, 7035), (356, 7080), (364, 7119), (371, 7170), (380, 7203), (383, 7215), (384, 7218), (396, 7245), (405, 7269), (420, 7347), (431, 7398), (439, 7428), (443, 7434), (465, 7491), (484, 7536),

Gene: Teamocil_20 Start: 7583, Stop: 9301, Start Num: 12

Candidate Starts for Teamocil_20:

(Start: 12 @7583 has 40 MA's), (Start: 14 @7592 has 16 MA's), (69, 7712), (101, 7817), (105, 7829), (128, 7928), (133, 7946), (151, 8000), (157, 8018), (171, 8069), (176, 8093), (193, 8123), (210, 8153), (211, 8159), (213, 8168), (225, 8204), (243, 8267), (256, 8330), (263, 8357), (269, 8402), (320, 8504), (321, 8507), (331, 8555), (334, 8564), (343, 8597), (351, 8636), (363, 8702), (364, 8711), (365, 8726), (367, 8735), (369, 8750), (371, 8762), (377, 8783), (386, 8816), (388, 8822), (398, 8852), (412, 8897), (433, 9005), (442, 9029), (455, 9065), (456, 9068), (463, 9089), (470, 9110), (523, 9245), (529, 9257), (537, 9284),

Gene: Teehee_23 Start: 9365, Stop: 11191, Start Num: 41

Candidate Starts for Teehee_23:

(Start: 41 @9365 has 55 MA's), (105, 9515), (144, 9650), (165, 9689), (191, 9767), (207, 9785), (256, 9935), (259, 9950), (269, 10007), (291, 10076), (312, 10124), (316, 10133), (349, 10268), (356, 10313), (357, 10319), (360, 10331), (369, 10391), (411, 10520), (412, 10526), (416, 10553), (440, 10652), (462, 10697), (557, 10892), (566, 10928), (573, 10946), (587, 10991),

Gene: Telesworld_8 Start: 4441, Stop: 6360, Start Num: 30

Candidate Starts for Telesworld_8:

(Start: 30 @4441 has 453 MA's), (Start: 36 @4456 has 5 MA's), (Start: 85 @4552 has 7 MA's), (Start: 93 @4567 has 1 MA's), (119, 4678), (165, 4810), (172, 4834), (173, 4840), (175, 4852), (180, 4864), (242, 5029), (267, 5155), (268, 5158), (269, 5170), (272, 5179), (274, 5191), (298, 5254), (302, 5263), (315, 5299), (321, 5317), (324, 5326), (334, 5374), (354, 5470), (355, 5476), (363, 5512), (369, 5560), (374, 5584), (429, 5779), (459, 5872), (569, 6124), (603, 6259), (617, 6301), (622, 6313),

Gene: Tempo_21 Start: 7770, Stop: 9569, Start Num: 41

Candidate Starts for Tempo_21:

(Start: 41 @7770 has 55 MA's), (91, 7869), (139, 8034), (165, 8085), (173, 8115), (207, 8181), (284, 8448), (299, 8493), (328, 8580), (340, 8625), (348, 8661), (356, 8709), (357, 8715), (360, 8727), (365, 8763), (369, 8787), (411, 8922), (433, 9030), (438, 9051), (480, 9132), (491, 9141), (550, 9252), (557, 9270), (566, 9306), (589, 9372), (606, 9441), (613, 9474), (640, 9549),

Gene: Terij_13 Start: 6017, Stop: 7762, Start Num: 14

Candidate Starts for Terij_13:

(Start: 12 @6008 has 40 MA's), (Start: 14 @6017 has 16 MA's), (49, 6098), (62, 6119), (Start: 78 @6155 has 11 MA's), (82, 6170), (101, 6233), (105, 6245), (106, 6254), (128, 6344), (172, 6488), (187, 6539), (204, 6584), (208, 6593), (220, 6632), (232, 6668), (239, 6689), (241, 6695), (243, 6704), (256, 6767), (263, 6794), (320, 6941), (329, 6983), (331, 6992), (334, 7001), (338, 7016), (343, 7034), (351, 7073), (363, 7139), (364, 7148), (367, 7172), (368, 7184), (369, 7187), (388, 7259), (404, 7310), (409, 7325), (419, 7388), (438, 7469), (447, 7487), (470, 7556), (471, 7559), (493, 7604),

Gene: Thing3_13 Start: 7104, Stop: 8729, Start Num: 7

Candidate Starts for Thing3_13:

(Start: 7 @7104 has 114 MA's), (71, 7263), (81, 7302), (100, 7365), (133, 7485), (149, 7524), (208, 7653), (227, 7713), (247, 7782), (251, 7803), (256, 7821), (259, 7836), (261, 7842), (273, 7905), (316, 7965), (320, 7977), (328, 8016), (331, 8028), (334, 8037), (339, 8070), (343, 8082), (349, 8112), (356, 8157), (359, 8172), (360, 8175), (365, 8211), (374, 8259), (377, 8268), (384, 8295), (431, 8472), (453, 8529), (457, 8535), (464, 8550), (472, 8571), (474, 8577), (496, 8613), (505, 8643),

Gene: Thonko_7 Start: 3729, Stop: 5618, Start Num: 30

Candidate Starts for Thonko_7:

(Start: 30 @3729 has 453 MA's), (63, 3795), (Start: 92 @3852 has 2 MA's), (101, 3897), (165, 4095), (175, 4137), (251, 4347), (253, 4356), (259, 4380), (269, 4437), (272, 4446), (274, 4458), (295, 4506), (308, 4539), (326, 4602), (334, 4632), (369, 4821), (448, 5106), (547, 5325), (557, 5343), (579, 5418), (585, 5445), (626, 5583),

Gene: Thora_8 Start: 4438, Stop: 6357, Start Num: 30

Candidate Starts for Thora_8:

(Start: 30 @4438 has 453 MA's), (Start: 36 @4453 has 5 MA's), (Start: 85 @4549 has 7 MA's), (Start: 93 @4564 has 1 MA's), (119, 4675), (165, 4807), (172, 4831), (173, 4837), (175, 4849), (180, 4861), (242, 5026), (267, 5152), (268, 5155), (269, 5167), (272, 5176), (274, 5188), (298, 5251), (302, 5260), (315, 5296), (321, 5314), (324, 5323), (334, 5371), (354, 5467), (355, 5473), (363, 5509), (369, 5557), (374, 5581), (429, 5776), (459, 5869), (569, 6121), (603, 6256), (617, 6298), (622, 6310),

Gene: ThreeOh3D2_8 Start: 4439, Stop: 6358, Start Num: 30

Candidate Starts for ThreeOh3D2_8:

(Start: 30 @4439 has 453 MA's), (Start: 36 @4454 has 5 MA's), (Start: 85 @4550 has 7 MA's), (Start: 93 @4565 has 1 MA's), (119, 4676), (165, 4808), (172, 4832), (173, 4838), (175, 4850), (180, 4862), (242, 5027), (267, 5153), (268, 5156), (269, 5168), (272, 5177), (274, 5189), (298, 5252), (302, 5261), (315, 5297), (321, 5315), (324, 5324), (334, 5372), (354, 5468), (355, 5474), (363, 5510), (369, 5558), (374, 5582), (429, 5777), (459, 5870), (569, 6122), (603, 6257), (617, 6299), (622, 6311),

Gene: Thunderbird_8 Start: 4551, Stop: 6359, Start Num: 85

Candidate Starts for Thunderbird_8:

(Start: 30 @4440 has 453 MA's), (Start: 85 @4551 has 7 MA's), (Start: 93 @4566 has 1 MA's), (119, 4677), (165, 4809), (172, 4833), (173, 4839), (175, 4851), (180, 4863), (242, 5028), (267, 5154), (268, 5157), (269, 5169), (272, 5178), (274, 5190), (298, 5253), (302, 5262), (315, 5298), (321, 5316), (324, 5325), (334, 5373), (354, 5469), (355, 5475), (363, 5511), (369, 5559), (374, 5583), (429, 5778), (459, 5871), (569, 6123), (603, 6258), (617, 6300), (622, 6312),

Gene: Tiamoceli_14 Start: 6640, Stop: 8316, Start Num: 7

Candidate Starts for Tiamoceli_14:

(Start: 7 @6640 has 114 MA's), (10, 6673), (37, 6751), (60, 6805), (100, 6937), (106, 6967), (129, 7045), (136, 7063), (163, 7144), (204, 7216), (208, 7225), (227, 7285), (256, 7393), (258, 7405), (259, 7408), (261, 7414), (320, 7549), (321, 7552), (334, 7609), (349, 7684), (356, 7729), (360, 7747), (364, 7768), (369, 7807), (374, 7831), (380, 7852), (384, 7867), (405, 7918), (411, 7939), (431, 8044), (439, 8074), (452, 8098), (453, 8101), (484, 8179),

Gene: TillyBobJoe_12 Start: 5270, Stop: 6856, Start Num: 7

Candidate Starts for TillyBobJoe_12:

(Start: 7 @5270 has 114 MA's), (42, 5384), (108, 5552), (150, 5672), (156, 5690), (159, 5705), (230, 5855), (242, 5885), (253, 5945), (254, 5948), (265, 5987), (280, 6059), (320, 6119), (321, 6122), (322, 6125), (329, 6161), (331, 6170), (333, 6176), (334, 6179), (349, 6242), (356, 6287), (363, 6317), (369, 6365), (384, 6422), (391, 6443), (396, 6449), (404, 6470), (405, 6473), (412, 6500), (420, 6551), (431, 6599),

Gene: Timmi_8 Start: 4441, Stop: 6360, Start Num: 30

Candidate Starts for Timmi_8:

(Start: 30 @4441 has 453 MA's), (Start: 36 @4456 has 5 MA's), (Start: 85 @4552 has 7 MA's), (Start: 93 @4567 has 1 MA's), (119, 4678), (165, 4810), (172, 4834), (173, 4840), (175, 4852), (180, 4864), (242, 5029), (267, 5155), (268, 5158), (269, 5170), (272, 5179), (274, 5191), (298, 5254), (302, 5263), (315, 5299), (321, 5317), (324, 5326), (334, 5374), (354, 5470), (355, 5476), (363, 5512), (369, 5560), (374, 5584), (429, 5779), (459, 5872), (569, 6124), (603, 6259), (617, 6301), (622, 6313),

Gene: Tinciduntolum_13 Start: 7844, Stop: 9733, Start Num: 30

Candidate Starts for Tinciduntolum_13:

(Start: 30 @7844 has 453 MA's), (54, 7892), (65, 7916), (Start: 78 @7934 has 11 MA's), (Start: 92 @7967 has 2 MA's), (117, 8075), (150, 8159), (168, 8222), (178, 8258), (199, 8309), (207, 8321), (213, 8342), (241, 8420), (243, 8429), (251, 8474), (269, 8564), (270, 8567), (272, 8573), (274, 8585), (279, 8600), (285, 8612), (319, 8696), (326, 8729), (330, 8747), (343, 8792), (355, 8861), (357, 8873), (369, 8948), (374, 8972), (376, 8978), (383, 9005), (387, 9017), (391, 9023), (404, 9053), (405, 9056), (412, 9083), (425, 9149), (427, 9158), (448, 9233), (463, 9269), (496, 9314), (553, 9452), (555, 9455), (559, 9467), (583, 9554), (585, 9563), (589, 9572), (590, 9587), (597, 9617), (603, 9635), (608, 9650), (617, 9677), (622, 9689), (639, 9725),

Gene: TinyTerror_11 Start: 6317, Stop: 8221, Start Num: 30

Candidate Starts for TinyTerror_11:

(Start: 30 @6317 has 453 MA's), (39, 6344), (84, 6425), (102, 6488), (119, 6554), (128, 6587), (168, 6695), (198, 6785), (224, 6863), (243, 6920), (253, 6974), (269, 7055), (274, 7076), (285, 7103), (308, 7154), (310, 7163), (315, 7172), (355, 7349), (357, 7361), (369, 7436), (374, 7460), (380, 7481), (411, 7565), (440, 7703), (448, 7721), (459, 7748), (473, 7772), (555, 7937), (558, 7946), (585, 8051), (589, 8060), (594, 8087), (622, 8177), (623, 8180), (632, 8201), (639, 8213),

Gene: Tissue_22 Start: 8939, Stop: 10765, Start Num: 41

Candidate Starts for Tissue_22:

(Start: 41 @8939 has 55 MA's), (105, 9089), (144, 9224), (165, 9263), (191, 9341), (207, 9359), (256, 9509), (259, 9524), (269, 9581), (291, 9650), (312, 9698), (316, 9707), (349, 9842), (356, 9887), (357, 9893), (360, 9905), (369, 9965), (411, 10094), (412, 10100), (416, 10127), (440, 10226), (462, 10271), (557, 10466), (566, 10502), (573, 10520), (587, 10565),

Gene: Togo_12 Start: 5434, Stop: 7020, Start Num: 7

Candidate Starts for Togo_12:

(Start: 7 @5434 has 114 MA's), (101, 5686), (108, 5716), (149, 5833), (156, 5854), (159, 5869), (240, 6043), (249, 6085), (253, 6109), (254, 6112), (265, 6151), (280, 6223), (320, 6283), (321, 6286), (322, 6289), (329, 6325), (331, 6334), (333, 6340), (334, 6343), (349, 6406), (356, 6451), (363, 6481), (369, 6529), (384, 6586), (391, 6607), (404, 6634), (405, 6637), (412, 6664), (420, 6715), (431, 6763),

Gene: TomBombadil_8 Start: 4441, Stop: 6360, Start Num: 30

Candidate Starts for TomBombadil_8:

(Start: 30 @4441 has 453 MA's), (Start: 36 @4456 has 5 MA's), (Start: 85 @4552 has 7 MA's), (Start: 93 @4567 has 1 MA's), (119, 4678), (165, 4810), (172, 4834), (173, 4840), (175, 4852), (180, 4864), (242, 5029), (267, 5155), (268, 5158), (269, 5170), (272, 5179), (274, 5191), (298, 5254), (302, 5263), (315, 5299), (321, 5317), (324, 5326), (334, 5374), (354, 5470), (355, 5476), (363, 5512), (369, 5560), (374, 5584), (429, 5779), (459, 5872), (569, 6124), (603, 6259), (617, 6301), (622, 6313),

Gene: Tomlarah_8 Start: 4441, Stop: 6360, Start Num: 30

Candidate Starts for Tomlarah_8:

(Start: 30 @4441 has 453 MA's), (Start: 36 @4456 has 5 MA's), (Start: 85 @4552 has 7 MA's), (Start: 93 @4567 has 1 MA's), (119, 4678), (165, 4810), (172, 4834), (173, 4840), (175, 4852), (180, 4864),

(242, 5029), (267, 5155), (268, 5158), (269, 5170), (272, 5179), (274, 5191), (298, 5254), (302, 5263), (315, 5299), (321, 5317), (324, 5326), (334, 5374), (354, 5470), (355, 5476), (363, 5512), (369, 5560), (374, 5584), (429, 5779), (459, 5872), (569, 6124), (603, 6259), (617, 6301), (622, 6313),

Gene: Toni_8 Start: 4442, Stop: 6361, Start Num: 30

Candidate Starts for Toni_8:

(Start: 30 @4442 has 453 MA's), (Start: 36 @4457 has 5 MA's), (Start: 85 @4553 has 7 MA's), (Start: 93 @4568 has 1 MA's), (119, 4679), (165, 4811), (172, 4835), (173, 4841), (175, 4853), (180, 4865), (242, 5030), (267, 5156), (268, 5159), (269, 5171), (272, 5180), (274, 5192), (298, 5255), (302, 5264), (315, 5300), (321, 5318), (324, 5327), (334, 5375), (354, 5471), (355, 5477), (363, 5513), (369, 5561), (374, 5585), (429, 5780), (459, 5873), (569, 6125), (603, 6260), (617, 6302), (622, 6314),

Gene: Tonitrus_26 Start: 14379, Stop: 16331, Start Num: 25

Candidate Starts for Tonitrus_26:

(Start: 25 @14379 has 8 MA's), (47, 14427), (Start: 78 @14487 has 11 MA's), (90, 14514), (105, 14577), (108, 14595), (109, 14598), (165, 14748), (168, 14760), (173, 14778), (175, 14790), (193, 14829), (220, 14889), (251, 15000), (259, 15033), (270, 15093), (275, 15117), (311, 15270), (313, 15273), (317, 15285), (332, 15348), (349, 15417), (350, 15420), (364, 15501), (374, 15564), (383, 15597), (387, 15609), (390, 15615), (403, 15645), (412, 15678), (419, 15726), (425, 15744), (436, 15804), (497, 15900), (513, 15960), (561, 16083), (568, 16113), (578, 16149), (585, 16182), (589, 16191), (600, 16239), (603, 16251), (614, 16290), (626, 16320), (627, 16323),

Gene: TooFast2Furius_9 Start: 4787, Stop: 6595, Start Num: 85

Candidate Starts for TooFast2Furius_9:

(Start: 30 @4676 has 453 MA's), (Start: 36 @4691 has 5 MA's), (Start: 85 @4787 has 7 MA's), (Start: 93 @4802 has 1 MA's), (119, 4913), (165, 5045), (172, 5069), (173, 5075), (175, 5087), (180, 5099), (242, 5264), (267, 5390), (268, 5393), (269, 5405), (272, 5414), (274, 5426), (298, 5489), (302, 5498), (315, 5534), (321, 5552), (324, 5561), (334, 5609), (354, 5705), (355, 5711), (363, 5747), (369, 5795), (374, 5819), (429, 6014), (459, 6107), (569, 6359), (603, 6494), (617, 6536), (622, 6548),

Gene: Tooj_8 Start: 4439, Stop: 6358, Start Num: 30

Candidate Starts for Tooj_8:

(Start: 30 @4439 has 453 MA's), (Start: 36 @4454 has 5 MA's), (Start: 85 @4550 has 7 MA's), (Start: 93 @4565 has 1 MA's), (119, 4676), (165, 4808), (172, 4832), (173, 4838), (175, 4850), (180, 4862), (242, 5027), (267, 5153), (268, 5156), (269, 5168), (272, 5177), (274, 5189), (298, 5252), (302, 5261), (315, 5297), (321, 5315), (324, 5324), (334, 5372), (354, 5468), (355, 5474), (363, 5510), (369, 5558), (374, 5582), (429, 5777), (459, 5870), (569, 6122), (603, 6257), (617, 6299), (622, 6311),

Gene: TraderJ_10 Start: 6891, Stop: 8624, Start Num: 92

Candidate Starts for TraderJ_10:

(Start: 30 @6777 has 453 MA's), (Start: 92 @6891 has 2 MA's), (101, 6933), (117, 6996), (137, 7062), (178, 7167), (235, 7290), (237, 7296), (241, 7305), (243, 7314), (270, 7452), (274, 7470), (321, 7611), (326, 7638), (330, 7656), (334, 7668), (347, 7719), (355, 7770), (369, 7857), (374, 7881), (448, 8139), (476, 8199), (480, 8208), (557, 8349), (558, 8352), (579, 8424), (580, 8430), (585, 8451), (598, 8508), (602, 8520), (612, 8553), (617, 8565), (622, 8577), (626, 8589), (632, 8601), (633, 8604),

Gene: Tres_12 Start: 7728, Stop: 9617, Start Num: 30

Candidate Starts for Tres_12:

(Start: 30 @7728 has 453 MA's), (54, 7776), (65, 7800), (Start: 78 @7818 has 11 MA's), (Start: 92 @7851 has 2 MA's), (117, 7959), (150, 8043), (168, 8106), (178, 8142), (199, 8193), (213, 8226), (241, 8304), (243, 8313), (251, 8358), (269, 8448), (270, 8451), (272, 8457), (274, 8469), (279, 8484), (285, 8496), (319, 8580), (326, 8613), (330, 8631), (343, 8676), (355, 8745), (357, 8757), (369, 8832), (374, 8856), (376, 8862), (383, 8889), (387, 8901), (391, 8907), (404, 8937), (405, 8940), (412, 8967), (425,

9033), (427, 9042), (448, 9117), (463, 9153), (496, 9198), (553, 9336), (555, 9339), (559, 9351), (583, 9438), (585, 9447), (589, 9456), (590, 9471), (597, 9501), (603, 9519), (608, 9534), (617, 9561), (622, 9573), (639, 9609),

Gene: Triad_8 Start: 4456, Stop: 6360, Start Num: 36

Candidate Starts for Triad_8:

(Start: 30 @4441 has 453 MA's), (Start: 36 @4456 has 5 MA's), (Start: 85 @4552 has 7 MA's), (Start: 93 @4567 has 1 MA's), (119, 4678), (165, 4810), (172, 4834), (173, 4840), (175, 4852), (180, 4864), (242, 5029), (267, 5155), (268, 5158), (269, 5170), (272, 5179), (274, 5191), (298, 5254), (302, 5263), (315, 5299), (321, 5317), (324, 5326), (334, 5374), (354, 5470), (355, 5476), (363, 5512), (369, 5560), (374, 5584), (429, 5779), (459, 5872), (569, 6124), (603, 6259), (617, 6301), (622, 6313),

Gene: True_8 Start: 4439, Stop: 6358, Start Num: 30

Candidate Starts for True_8:

(Start: 30 @4439 has 453 MA's), (Start: 36 @4454 has 5 MA's), (Start: 85 @4550 has 7 MA's), (Start: 93 @4565 has 1 MA's), (119, 4676), (165, 4808), (172, 4832), (173, 4838), (175, 4850), (180, 4862), (242, 5027), (267, 5153), (268, 5156), (269, 5168), (272, 5177), (274, 5189), (298, 5252), (302, 5261), (315, 5297), (321, 5315), (324, 5324), (334, 5372), (354, 5468), (355, 5474), (363, 5510), (369, 5558), (374, 5582), (429, 5777), (459, 5870), (569, 6122), (603, 6257), (617, 6299), (622, 6311),

Gene: Trypo_8 Start: 4438, Stop: 6357, Start Num: 30

Candidate Starts for Trypo_8:

(Start: 30 @4438 has 453 MA's), (Start: 85 @4549 has 7 MA's), (Start: 93 @4564 has 1 MA's), (119, 4675), (165, 4807), (172, 4831), (173, 4837), (180, 4861), (224, 4975), (242, 5026), (267, 5152), (268, 5155), (269, 5167), (272, 5176), (274, 5188), (298, 5251), (302, 5260), (315, 5296), (321, 5314), (324, 5323), (334, 5371), (354, 5467), (355, 5473), (363, 5509), (369, 5557), (374, 5581), (429, 5776), (459, 5869), (569, 6121), (603, 6256), (617, 6298), (622, 6310),

Gene: TurkishDelight_11 Start: 6388, Stop: 8154, Start Num: 74

Candidate Starts for TurkishDelight_11:

(Start: 74 @6388 has 1 MA's), (124, 6565), (182, 6745), (183, 6748), (214, 6826), (222, 6850), (233, 6886), (243, 6916), (265, 7012), (272, 7060), (314, 7126), (316, 7132), (329, 7183), (348, 7261), (350, 7267), (363, 7339), (369, 7387), (371, 7399), (395, 7474), (404, 7495), (490, 7738), (566, 7936), (570, 7945), (632, 8143),

Gene: Twister6_12 Start: 5366, Stop: 6952, Start Num: 7

Candidate Starts for Twister6_12:

(Start: 7 @5366 has 114 MA's), (101, 5618), (108, 5648), (149, 5765), (156, 5786), (159, 5801), (240, 5975), (249, 6017), (253, 6041), (254, 6044), (265, 6083), (280, 6155), (320, 6215), (321, 6218), (322, 6221), (329, 6257), (331, 6266), (333, 6272), (334, 6275), (349, 6338), (356, 6383), (363, 6413), (369, 6461), (384, 6518), (391, 6539), (404, 6566), (405, 6569), (412, 6596), (420, 6647), (431, 6695),

Gene: Twonlo_11 Start: 5257, Stop: 6933, Start Num: 7

Candidate Starts for Twonlo_11:

(Start: 7 @5257 has 114 MA's), (10, 5290), (37, 5368), (60, 5422), (100, 5554), (106, 5584), (129, 5662), (136, 5680), (163, 5761), (204, 5833), (208, 5842), (227, 5902), (256, 6010), (258, 6022), (259, 6025), (261, 6031), (320, 6166), (321, 6169), (334, 6226), (349, 6301), (356, 6346), (360, 6364), (364, 6385), (369, 6424), (374, 6448), (380, 6469), (384, 6484), (405, 6535), (411, 6556), (431, 6661), (439, 6691), (452, 6715), (453, 6718), (484, 6796),

Gene: Tycho_12 Start: 6284, Stop: 7912, Start Num: 7

Candidate Starts for Tycho_12:

(Start: 7 @6284 has 114 MA's), (Start: 46 @6407 has 20 MA's), (58, 6428), (81, 6485), (100, 6548), (106, 6578), (126, 6641), (133, 6668), (204, 6827), (208, 6836), (238, 6923), (246, 6962), (251, 6986), (256, 7004), (259, 7019), (261, 7025), (273, 7088), (320, 7160), (328, 7199), (343, 7265), (349, 7295), (356, 7340), (359, 7355), (360, 7358), (365, 7394), (374, 7442), (377, 7451), (384, 7478), (396, 7505), (411, 7550), (426, 7625), (431, 7655), (434, 7673), (453, 7712), (457, 7718), (464, 7733), (472, 7754), (474, 7760), (496, 7796), (506, 7829),

Gene: Tydolla_11 Start: 7076, Stop: 8980, Start Num: 30

Candidate Starts for Tydolla_11:

(Start: 30 @7076 has 453 MA's), (39, 7103), (84, 7184), (102, 7247), (119, 7313), (128, 7346), (168, 7454), (198, 7544), (224, 7622), (243, 7679), (253, 7733), (269, 7814), (274, 7835), (285, 7862), (308, 7913), (310, 7922), (315, 7931), (355, 8108), (357, 8120), (369, 8195), (374, 8219), (380, 8240), (411, 8324), (440, 8462), (448, 8480), (459, 8507), (473, 8531), (555, 8696), (558, 8705), (585, 8810), (589, 8819), (594, 8846), (622, 8936), (632, 8960), (639, 8972),

Gene: TyrionL_8 Start: 4438, Stop: 6357, Start Num: 30

Candidate Starts for TyrionL_8:

(Start: 30 @4438 has 453 MA's), (Start: 85 @4549 has 7 MA's), (Start: 93 @4564 has 1 MA's), (119, 4675), (165, 4807), (172, 4831), (173, 4837), (180, 4861), (224, 4975), (242, 5026), (267, 5152), (268, 5155), (269, 5167), (272, 5176), (274, 5188), (298, 5251), (302, 5260), (315, 5296), (321, 5314), (324, 5323), (334, 5371), (354, 5467), (355, 5473), (363, 5509), (369, 5557), (374, 5581), (429, 5776), (459, 5869), (569, 6121), (584, 6181), (603, 6256), (617, 6298), (622, 6310),

Gene: Tyrumbra_18 Start: 7432, Stop: 9117, Start Num: 14

Candidate Starts for Tyrumbra_18:

(Start: 12 @7423 has 40 MA's), (Start: 14 @7432 has 16 MA's), (69, 7555), (101, 7660), (105, 7672), (128, 7771), (151, 7843), (157, 7861), (193, 7966), (204, 7984), (210, 7996), (211, 8002), (213, 8011), (225, 8047), (243, 8110), (256, 8173), (263, 8200), (269, 8245), (272, 8254), (303, 8296), (320, 8347), (321, 8350), (329, 8389), (331, 8398), (334, 8407), (343, 8440), (351, 8479), (363, 8545), (364, 8554), (365, 8569), (369, 8593), (386, 8659), (388, 8665), (398, 8692), (433, 8845), (448, 8884), (455, 8905), (470, 8950), (498, 8986), (501, 8992), (529, 9097),

Gene: UAch1_8 Start: 4441, Stop: 6360, Start Num: 30

Candidate Starts for UAch1_8:

(Start: 30 @4441 has 453 MA's), (Start: 36 @4456 has 5 MA's), (Start: 85 @4552 has 7 MA's), (Start: 93 @4567 has 1 MA's), (119, 4678), (165, 4810), (172, 4834), (173, 4840), (175, 4852), (180, 4864), (242, 5029), (267, 5155), (268, 5158), (269, 5170), (272, 5179), (274, 5191), (298, 5254), (302, 5263), (315, 5299), (321, 5317), (324, 5326), (334, 5374), (354, 5470), (355, 5476), (363, 5512), (369, 5560), (374, 5584), (429, 5779), (459, 5872), (569, 6124), (603, 6259), (617, 6301), (622, 6313),

Gene: UncleHowie_8 Start: 4441, Stop: 6360, Start Num: 30

Candidate Starts for UncleHowie_8:

(Start: 30 @4441 has 453 MA's), (Start: 36 @4456 has 5 MA's), (Start: 85 @4552 has 7 MA's), (Start: 93 @4567 has 1 MA's), (119, 4678), (165, 4810), (172, 4834), (173, 4840), (175, 4852), (180, 4864), (242, 5029), (267, 5155), (268, 5158), (269, 5170), (272, 5179), (274, 5191), (298, 5254), (302, 5263), (315, 5299), (321, 5317), (324, 5326), (334, 5374), (354, 5470), (355, 5476), (363, 5512), (369, 5560), (374, 5584), (429, 5779), (459, 5872), (569, 6124), (603, 6259), (617, 6301), (622, 6313),

Gene: Usavi_8 Start: 4438, Stop: 6357, Start Num: 30

Candidate Starts for Usavi_8:

(Start: 30 @4438 has 453 MA's), (Start: 36 @4453 has 5 MA's), (Start: 85 @4549 has 7 MA's), (Start: 93 @4564 has 1 MA's), (119, 4675), (165, 4807), (172, 4831), (173, 4837), (175, 4849), (180, 4861), (242, 5026), (267, 5152), (268, 5155), (269, 5167), (272, 5176), (274, 5188), (298, 5251), (302, 5260),

(315, 5296), (321, 5314), (324, 5323), (334, 5371), (354, 5467), (355, 5473), (363, 5509), (369, 5557), (374, 5581), (429, 5776), (459, 5869), (569, 6121), (603, 6256), (617, 6298), (622, 6310),

Gene: Vaishali24_8 Start: 4442, Stop: 6361, Start Num: 30

Candidate Starts for Vaishali24_8:

(Start: 30 @4442 has 453 MA's), (Start: 36 @4457 has 5 MA's), (Start: 85 @4553 has 7 MA's), (Start: 93 @4568 has 1 MA's), (119, 4679), (165, 4811), (172, 4835), (173, 4841), (175, 4853), (180, 4865), (242, 5030), (267, 5156), (268, 5159), (269, 5171), (272, 5180), (274, 5192), (298, 5255), (302, 5264), (315, 5300), (321, 5318), (324, 5327), (334, 5375), (354, 5471), (355, 5477), (363, 5513), (369, 5561), (374, 5585), (429, 5780), (459, 5873), (569, 6125), (603, 6260), (617, 6302), (622, 6314),

Gene: Valary_13 Start: 5819, Stop: 7405, Start Num: 7

Candidate Starts for Valary_13:

(Start: 7 @5819 has 114 MA's), (42, 5933), (96, 6035), (108, 6101), (117, 6134), (150, 6221), (156, 6239), (159, 6254), (242, 6434), (253, 6494), (254, 6497), (265, 6536), (280, 6608), (320, 6668), (321, 6671), (322, 6674), (329, 6710), (331, 6719), (333, 6725), (334, 6728), (349, 6791), (356, 6836), (363, 6866), (369, 6914), (384, 6971), (391, 6992), (404, 7019), (405, 7022), (412, 7049), (420, 7100), (431, 7148),

Gene: Valjean_8 Start: 4441, Stop: 6360, Start Num: 30

Candidate Starts for Valjean_8:

(Start: 30 @4441 has 453 MA's), (Start: 36 @4456 has 5 MA's), (Start: 85 @4552 has 7 MA's), (Start: 93 @4567 has 1 MA's), (119, 4678), (165, 4810), (172, 4834), (173, 4840), (175, 4852), (180, 4864), (242, 5029), (267, 5155), (268, 5158), (269, 5170), (272, 5179), (274, 5191), (298, 5254), (302, 5263), (315, 5299), (321, 5317), (324, 5326), (334, 5374), (354, 5470), (355, 5476), (363, 5512), (369, 5560), (374, 5584), (429, 5779), (459, 5872), (569, 6124), (603, 6259), (617, 6301), (622, 6313),

Gene: VanDeWege_13 Start: 5747, Stop: 7333, Start Num: 7

Candidate Starts for VanDeWege_13:

(Start: 7 @5747 has 114 MA's), (42, 5861), (96, 5963), (108, 6029), (117, 6062), (150, 6149), (156, 6167), (159, 6182), (242, 6362), (253, 6422), (254, 6425), (265, 6464), (280, 6536), (320, 6596), (321, 6599), (322, 6602), (328, 6635), (329, 6638), (331, 6647), (333, 6653), (334, 6656), (349, 6719), (356, 6764), (363, 6794), (369, 6842), (384, 6899), (391, 6920), (404, 6947), (405, 6950), (412, 6977), (420, 7028), (431, 7076),

Gene: Vaticameos_8 Start: 4438, Stop: 6357, Start Num: 30

Candidate Starts for Vaticameos_8:

(Start: 30 @4438 has 453 MA's), (Start: 36 @4453 has 5 MA's), (Start: 85 @4549 has 7 MA's), (Start: 93 @4564 has 1 MA's), (119, 4675), (165, 4807), (172, 4831), (173, 4837), (175, 4849), (180, 4861), (242, 5026), (267, 5152), (268, 5155), (269, 5167), (272, 5176), (274, 5188), (298, 5251), (302, 5260), (315, 5296), (321, 5314), (324, 5323), (334, 5371), (354, 5467), (355, 5473), (363, 5509), (369, 5557), (374, 5581), (429, 5776), (459, 5869), (569, 6121), (603, 6256), (617, 6298), (622, 6310),

Gene: Vectra_8 Start: 4551, Stop: 6359, Start Num: 85

Candidate Starts for Vectra_8:

(Start: 30 @4440 has 453 MA's), (Start: 85 @4551 has 7 MA's), (Start: 93 @4566 has 1 MA's), (119, 4677), (165, 4809), (172, 4833), (173, 4839), (175, 4851), (180, 4863), (242, 5028), (267, 5154), (268, 5157), (269, 5169), (272, 5178), (274, 5190), (298, 5253), (302, 5262), (315, 5298), (321, 5316), (324, 5325), (334, 5373), (354, 5469), (355, 5475), (363, 5511), (369, 5559), (374, 5583), (429, 5778), (459, 5871), (569, 6123), (603, 6258), (617, 6300), (622, 6312),

Gene: Veritas_8 Start: 4438, Stop: 6357, Start Num: 30

Candidate Starts for Veritas_8:

(Start: 30 @4438 has 453 MA's), (Start: 85 @4549 has 7 MA's), (Start: 93 @4564 has 1 MA's), (119, 4675), (165, 4807), (172, 4831), (173, 4837), (180, 4861), (224, 4975), (242, 5026), (267, 5152), (268, 5155), (269, 5167), (272, 5176), (274, 5188), (298, 5251), (302, 5260), (315, 5296), (321, 5314), (324, 5323), (334, 5371), (354, 5467), (355, 5473), (363, 5509), (369, 5557), (374, 5581), (429, 5776), (459, 5869), (569, 6121), (584, 6181), (603, 6256), (617, 6298), (622, 6310),

Gene: Verity_14 Start: 7230, Stop: 8897, Start Num: 7

Candidate Starts for Verity_14:

(Start: 7 @7230 has 114 MA's), (Start: 22 @7305 has 3 MA's), (33, 7326), (Start: 41 @7353 has 55 MA's), (77, 7440), (100, 7521), (106, 7551), (136, 7647), (140, 7662), (150, 7683), (157, 7704), (163, 7728), (204, 7800), (208, 7809), (244, 7920), (246, 7935), (251, 7959), (256, 7977), (259, 7992), (261, 7998), (280, 8073), (320, 8133), (349, 8268), (356, 8313), (364, 8352), (371, 8403), (380, 8436), (383, 8448), (384, 8451), (388, 8463), (396, 8478), (405, 8502), (411, 8523), (420, 8580), (431, 8631), (439, 8661), (443, 8667), (465, 8724), (484, 8769), (505, 8817),

Gene: ViaConlectus_14 Start: 6957, Stop: 8627, Start Num: 7

Candidate Starts for ViaConlectus_14:

(Start: 7 @6957 has 114 MA's), (Start: 22 @7032 has 3 MA's), (33, 7053), (Start: 41 @7080 has 55 MA's), (77, 7167), (100, 7248), (106, 7278), (108, 7287), (131, 7362), (136, 7374), (150, 7410), (163, 7455), (204, 7527), (208, 7536), (244, 7647), (251, 7686), (253, 7695), (256, 7704), (258, 7716), (259, 7719), (261, 7725), (280, 7800), (316, 7848), (320, 7860), (346, 7980), (349, 7995), (356, 8040), (364, 8079), (371, 8130), (380, 8163), (383, 8175), (384, 8178), (396, 8205), (405, 8229), (420, 8307), (431, 8358), (439, 8388), (443, 8394), (465, 8451), (484, 8496),

Gene: Vic9_00012 Start: 8171, Stop: 10060, Start Num: 30

Candidate Starts for Vic9_00012:

(Start: 30 @8171 has 453 MA's), (54, 8219), (65, 8243), (Start: 78 @8261 has 11 MA's), (Start: 92 @8294 has 2 MA's), (117, 8402), (150, 8486), (168, 8549), (178, 8585), (199, 8636), (207, 8648), (213, 8669), (241, 8747), (243, 8756), (251, 8801), (269, 8891), (270, 8894), (272, 8900), (274, 8912), (279, 8927), (285, 8939), (319, 9023), (326, 9056), (330, 9074), (343, 9119), (355, 9188), (356, 9194), (357, 9200), (369, 9275), (374, 9299), (376, 9305), (383, 9332), (387, 9344), (391, 9350), (404, 9380), (405, 9383), (412, 9410), (425, 9476), (427, 9485), (448, 9560), (463, 9596), (496, 9641), (553, 9779), (555, 9782), (559, 9794), (583, 9881), (585, 9890), (589, 9899), (590, 9914), (597, 9944), (603, 9962), (608, 9977), (617, 10004), (622, 10016), (639, 10052),

Gene: Viceroy_21 Start: 8130, Stop: 9956, Start Num: 41

Candidate Starts for Viceroy_21:

(Start: 41 @8130 has 55 MA's), (105, 8280), (144, 8415), (165, 8454), (191, 8532), (207, 8550), (256, 8700), (259, 8715), (269, 8772), (291, 8841), (312, 8889), (316, 8898), (349, 9033), (356, 9078), (357, 9084), (360, 9096), (369, 9156), (411, 9285), (412, 9291), (416, 9318), (440, 9417), (462, 9462), (557, 9657), (566, 9693), (573, 9711), (587, 9756),

Gene: Vincenzo_10 Start: 7459, Stop: 9357, Start Num: 30

Candidate Starts for Vincenzo_10:

(Start: 30 @7459 has 453 MA's), (Start: 78 @7540 has 11 MA's), (102, 7621), (103, 7627), (117, 7681), (151, 7768), (157, 7786), (173, 7846), (179, 7867), (210, 7927), (241, 8023), (251, 8077), (269, 8167), (276, 8194), (298, 8245), (324, 8317), (334, 8365), (336, 8380), (348, 8425), (355, 8467), (374, 8578), (376, 8584), (383, 8611), (404, 8659), (449, 8842), (489, 8917), (543, 9037), (547, 9046), (548, 9049), (568, 9106), (569, 9112), (585, 9175), (589, 9184), (629, 9328), (639, 9349),

Gene: VioletZ_9 Start: 6748, Stop: 8637, Start Num: 30

Candidate Starts for VioletZ_9:

(Start: 30 @6748 has 453 MA's), (Start: 36 @6763 has 5 MA's), (83, 6844), (91, 6859), (102, 6910), (105, 6919), (117, 6970), (157, 7075), (173, 7135), (213, 7231), (240, 7309), (241, 7312), (243, 7321), (251, 7366), (269, 7456), (270, 7459), (301, 7537), (305, 7549), (334, 7651), (348, 7711), (355, 7753), (357, 7765), (369, 7840), (374, 7864), (376, 7870), (383, 7897), (385, 7903), (388, 7912), (404, 7945), (412, 7975), (543, 8317), (547, 8326), (548, 8329), (569, 8392), (584, 8452), (585, 8455), (589, 8464), (617, 8578), (635, 8623), (639, 8629),

Gene: Virapocalypse_8 Start: 4439, Stop: 6358, Start Num: 30

Candidate Starts for Virapocalypse_8:

(Start: 30 @4439 has 453 MA's), (Start: 36 @4454 has 5 MA's), (Start: 85 @4550 has 7 MA's), (Start: 93 @4565 has 1 MA's), (119, 4676), (165, 4808), (172, 4832), (173, 4838), (175, 4850), (180, 4862), (242, 5027), (267, 5153), (268, 5156), (269, 5168), (272, 5177), (274, 5189), (298, 5252), (302, 5261), (315, 5297), (321, 5315), (324, 5324), (334, 5372), (354, 5468), (355, 5474), (363, 5510), (369, 5558), (374, 5582), (429, 5777), (459, 5870), (569, 6122), (603, 6257), (617, 6299), (622, 6311),

Gene: Virgeve_8 Start: 4441, Stop: 6360, Start Num: 30

Candidate Starts for Virgeve_8:

(Start: 30 @4441 has 453 MA's), (Start: 36 @4456 has 5 MA's), (Start: 85 @4552 has 7 MA's), (Start: 93 @4567 has 1 MA's), (119, 4678), (165, 4810), (172, 4834), (173, 4840), (175, 4852), (180, 4864), (242, 5029), (267, 5155), (268, 5158), (269, 5170), (272, 5179), (274, 5191), (298, 5254), (302, 5263), (315, 5299), (321, 5317), (324, 5326), (334, 5374), (354, 5470), (355, 5476), (363, 5512), (369, 5560), (374, 5584), (429, 5779), (459, 5872), (569, 6124), (603, 6259), (617, 6301), (622, 6313),

Gene: Vista_8 Start: 4441, Stop: 6360, Start Num: 30

Candidate Starts for Vista_8:

(Start: 30 @4441 has 453 MA's), (Start: 36 @4456 has 5 MA's), (Start: 85 @4552 has 7 MA's), (Start: 93 @4567 has 1 MA's), (119, 4678), (165, 4810), (172, 4834), (173, 4840), (175, 4852), (180, 4864), (242, 5029), (267, 5155), (268, 5158), (269, 5170), (272, 5179), (274, 5191), (298, 5254), (302, 5263), (315, 5299), (321, 5317), (324, 5326), (334, 5374), (354, 5470), (355, 5476), (363, 5512), (369, 5560), (374, 5584), (429, 5779), (459, 5872), (569, 6124), (603, 6259), (617, 6301), (622, 6313),

Gene: Vivaldi_8 Start: 4439, Stop: 6358, Start Num: 30

Candidate Starts for Vivaldi_8:

(Start: 30 @4439 has 453 MA's), (Start: 36 @4454 has 5 MA's), (Start: 85 @4550 has 7 MA's), (Start: 93 @4565 has 1 MA's), (119, 4676), (165, 4808), (172, 4832), (173, 4838), (175, 4850), (180, 4862), (242, 5027), (267, 5153), (268, 5156), (269, 5168), (272, 5177), (274, 5189), (298, 5252), (302, 5261), (315, 5297), (321, 5315), (324, 5324), (334, 5372), (354, 5468), (355, 5474), (363, 5510), (369, 5558), (374, 5582), (429, 5777), (459, 5870), (569, 6122), (603, 6257), (617, 6299), (622, 6311),

Gene: Vivi2_11 Start: 6178, Stop: 7800, Start Num: 7

Candidate Starts for Vivi2_11:

(Start: 7 @6178 has 114 MA's), (71, 6337), (81, 6376), (100, 6439), (126, 6532), (133, 6559), (149, 6598), (208, 6727), (227, 6787), (247, 6856), (251, 6877), (256, 6895), (259, 6910), (261, 6916), (273, 6979), (316, 7039), (320, 7051), (328, 7090), (331, 7102), (334, 7111), (339, 7144), (343, 7156), (349, 7186), (356, 7231), (359, 7246), (360, 7249), (365, 7285), (374, 7333), (377, 7342), (384, 7369), (431, 7546), (453, 7603), (457, 7609), (464, 7624), (472, 7645), (474, 7651), (496, 7687), (505, 7714),

Gene: Vortex_8 Start: 4442, Stop: 6361, Start Num: 30

Candidate Starts for Vortex_8:

(Start: 30 @4442 has 453 MA's), (Start: 36 @4457 has 5 MA's), (Start: 85 @4553 has 7 MA's), (Start: 93 @4568 has 1 MA's), (119, 4679), (165, 4811), (172, 4835), (173, 4841), (175, 4853), (180, 4865), (242, 5030), (267, 5156), (268, 5159), (269, 5171), (272, 5180), (274, 5192), (298, 5255), (302, 5264), (315, 5300), (321, 5318), (324, 5327), (334, 5375), (354, 5471), (355, 5477), (363, 5513), (369, 5561),

(374, 5585), (429, 5780), (459, 5873), (569, 6125), (603, 6260), (617, 6302), (622, 6314),

Gene: WaddleDee_63 Start: 27676, Stop: 29310, Start Num: 26

Candidate Starts for WaddleDee_63:

(Start: 26 @27676 has 9 MA's), (Start: 55 @27736 has 4 MA's), (172, 28093), (241, 28282), (243, 28291), (304, 28495), (320, 28543), (358, 28723), (373, 28810), (396, 28876), (400, 28888), (460, 29119), (504, 29206), (540, 29299),

Gene: Waleliano_9 Start: 6748, Stop: 8637, Start Num: 30

Candidate Starts for Waleliano_9:

(Start: 30 @6748 has 453 MA's), (Start: 36 @6763 has 5 MA's), (83, 6844), (91, 6859), (102, 6910), (105, 6919), (117, 6970), (157, 7075), (173, 7135), (213, 7231), (240, 7309), (241, 7312), (243, 7321), (251, 7366), (269, 7456), (270, 7459), (301, 7537), (305, 7549), (330, 7639), (334, 7651), (348, 7711), (355, 7753), (357, 7765), (374, 7864), (376, 7870), (383, 7897), (385, 7903), (388, 7912), (404, 7945), (543, 8317), (547, 8326), (548, 8329), (569, 8392), (584, 8452), (585, 8455), (589, 8464), (617, 8578), (626, 8602), (639, 8629),

Gene: Wallhey_8 Start: 4438, Stop: 6357, Start Num: 30

Candidate Starts for Wallhey_8:

(Start: 30 @4438 has 453 MA's), (Start: 85 @4549 has 7 MA's), (Start: 93 @4564 has 1 MA's), (119, 4675), (165, 4807), (172, 4831), (173, 4837), (180, 4861), (224, 4975), (242, 5026), (267, 5152), (268, 5155), (269, 5167), (272, 5176), (274, 5188), (298, 5251), (302, 5260), (315, 5296), (321, 5314), (324, 5323), (334, 5371), (354, 5467), (355, 5473), (363, 5509), (369, 5557), (374, 5581), (429, 5776), (459, 5869), (569, 6121), (584, 6181), (603, 6256), (617, 6298), (622, 6310),

Gene: Waterdiva_8 Start: 4442, Stop: 6361, Start Num: 30

Candidate Starts for Waterdiva_8:

(Start: 30 @4442 has 453 MA's), (Start: 36 @4457 has 5 MA's), (Start: 85 @4553 has 7 MA's), (Start: 93 @4568 has 1 MA's), (119, 4679), (165, 4811), (172, 4835), (173, 4841), (175, 4853), (180, 4865), (242, 5030), (267, 5156), (268, 5159), (269, 5171), (272, 5180), (274, 5192), (298, 5255), (302, 5264), (315, 5300), (321, 5318), (324, 5327), (334, 5375), (354, 5471), (355, 5477), (363, 5513), (369, 5561), (374, 5585), (429, 5780), (459, 5873), (569, 6125), (603, 6260), (617, 6302), (622, 6314),

Gene: Wayne3_23 Start: 9095, Stop: 10921, Start Num: 41

Candidate Starts for Wayne3_23:

(Start: 41 @9095 has 55 MA's), (105, 9245), (144, 9380), (165, 9419), (191, 9497), (207, 9515), (256, 9665), (259, 9680), (269, 9737), (291, 9806), (312, 9854), (316, 9863), (349, 9998), (356, 10043), (357, 10049), (360, 10061), (369, 10121), (411, 10250), (412, 10256), (416, 10283), (440, 10382), (462, 10427), (557, 10622), (566, 10658), (573, 10676), (587, 10721),

Gene: Weher20_8 Start: 4438, Stop: 6357, Start Num: 30

Candidate Starts for Weher20_8:

(Start: 30 @4438 has 453 MA's), (Start: 36 @4453 has 5 MA's), (Start: 85 @4549 has 7 MA's), (Start: 93 @4564 has 1 MA's), (119, 4675), (165, 4807), (172, 4831), (173, 4837), (175, 4849), (180, 4861), (242, 5026), (267, 5152), (268, 5155), (269, 5167), (272, 5176), (274, 5188), (298, 5251), (302, 5260), (315, 5296), (321, 5314), (324, 5323), (334, 5371), (354, 5467), (355, 5473), (363, 5509), (369, 5557), (374, 5581), (429, 5776), (459, 5869), (569, 6121), (603, 6256), (617, 6298), (622, 6310),

Gene: West99_12 Start: 7845, Stop: 9734, Start Num: 30

Candidate Starts for West99_12:

(Start: 30 @7845 has 453 MA's), (54, 7893), (65, 7917), (Start: 78 @7935 has 11 MA's), (Start: 92 @7968 has 2 MA's), (117, 8076), (150, 8160), (168, 8223), (178, 8259), (199, 8310), (207, 8322), (213, 8343), (241, 8421), (243, 8430), (251, 8475), (269, 8565), (270, 8568), (272, 8574), (274, 8586), (279,

8601), (285, 8613), (319, 8697), (326, 8730), (330, 8748), (343, 8793), (355, 8862), (357, 8874), (369, 8949), (374, 8973), (376, 8979), (383, 9006), (387, 9018), (391, 9024), (404, 9054), (405, 9057), (412, 9084), (425, 9150), (427, 9159), (448, 9234), (463, 9270), (496, 9315), (553, 9453), (555, 9456), (559, 9468), (583, 9555), (585, 9564), (589, 9573), (590, 9588), (597, 9618), (603, 9636), (608, 9651), (617, 9678), (622, 9690), (639, 9726),

Gene: WheelerS25_27 Start: 9871, Stop: 11697, Start Num: 41

Candidate Starts for WheelerS25_27:

(Start: 41 @9871 has 55 MA's), (105, 10021), (144, 10156), (165, 10195), (191, 10273), (207, 10291), (256, 10441), (259, 10456), (269, 10513), (291, 10582), (312, 10630), (316, 10639), (349, 10774), (356, 10819), (357, 10825), (360, 10837), (369, 10897), (411, 11026), (412, 11032), (416, 11059), (440, 11158), (462, 11203), (557, 11398), (566, 11434), (573, 11452), (587, 11497),

Gene: Wheelie_21 Start: 8446, Stop: 10272, Start Num: 41

Candidate Starts for Wheelie_21:

(Start: 41 @8446 has 55 MA's), (105, 8596), (144, 8731), (165, 8770), (191, 8848), (207, 8866), (256, 9016), (259, 9031), (269, 9088), (291, 9157), (312, 9205), (316, 9214), (349, 9349), (356, 9394), (357, 9400), (360, 9412), (369, 9472), (411, 9601), (412, 9607), (416, 9634), (440, 9733), (462, 9778), (557, 9973), (566, 10009), (573, 10027), (587, 10072),

Gene: Wilca_21 Start: 7665, Stop: 9464, Start Num: 41

Candidate Starts for Wilca_21:

(Start: 41 @7665 has 55 MA's), (165, 7980), (173, 8010), (207, 8076), (284, 8343), (299, 8388), (328, 8475), (340, 8520), (348, 8556), (356, 8604), (357, 8610), (360, 8622), (365, 8658), (369, 8682), (411, 8817), (433, 8925), (438, 8946), (480, 9027), (557, 9165), (566, 9201), (589, 9267), (606, 9336), (613, 9369), (638, 9438),

Gene: Wilde_17 Start: 8308, Stop: 10188, Start Num: 46

Candidate Starts for Wilde_17:

(Start: 46 @8308 has 20 MA's), (50, 8317), (84, 8392), (100, 8440), (115, 8500), (123, 8530), (165, 8623), (213, 8743), (230, 8800), (238, 8815), (249, 8860), (272, 8974), (274, 8986), (312, 9061), (317, 9073), (320, 9082), (321, 9085), (328, 9121), (343, 9175), (356, 9250), (360, 9268), (397, 9421), (399, 9427), (401, 9433), (405, 9448), (411, 9469), (433, 9577), (447, 9616), (462, 9646), (532, 9823), (571, 9925), (601, 10024), (611, 10066), (634, 10141), (640, 10153),

Gene: Windsor_8 Start: 4439, Stop: 6358, Start Num: 30

Candidate Starts for Windsor_8:

(Start: 30 @4439 has 453 MA's), (Start: 85 @4550 has 7 MA's), (Start: 93 @4565 has 1 MA's), (119, 4676), (165, 4808), (172, 4832), (173, 4838), (180, 4862), (224, 4976), (242, 5027), (267, 5153), (268, 5156), (269, 5168), (272, 5177), (274, 5189), (298, 5252), (302, 5261), (315, 5297), (321, 5315), (324, 5324), (334, 5372), (354, 5468), (355, 5474), (363, 5510), (369, 5558), (374, 5582), (429, 5777), (459, 5870), (569, 6122), (603, 6257), (617, 6299), (622, 6311),

Gene: Wizard_12 Start: 5562, Stop: 7145, Start Num: 7

Candidate Starts for Wizard_12:

(Start: 7 @5562 has 114 MA's), (42, 5676), (108, 5844), (150, 5964), (156, 5982), (159, 5997), (230, 6147), (242, 6177), (253, 6237), (254, 6240), (265, 6279), (280, 6351), (320, 6411), (321, 6414), (322, 6417), (329, 6453), (331, 6462), (333, 6468), (334, 6471), (349, 6534), (356, 6579), (363, 6609), (369, 6657), (384, 6714), (391, 6735), (396, 6741), (404, 6762), (412, 6792), (420, 6843), (431, 6891),

Gene: Wooper_10 Start: 6780, Stop: 8627, Start Num: 30

Candidate Starts for Wooper_10:

(Start: 30 @6780 has 453 MA's), (Start: 92 @6894 has 2 MA's), (101, 6936), (117, 6999), (137, 7065), (178, 7170), (187, 7194), (235, 7293), (237, 7299), (241, 7308), (243, 7317), (270, 7455), (274, 7473), (321, 7614), (326, 7641), (330, 7659), (334, 7671), (347, 7722), (355, 7773), (369, 7860), (374, 7884), (448, 8142), (476, 8202), (480, 8211), (557, 8352), (558, 8355), (579, 8427), (580, 8433), (585, 8454), (598, 8511), (602, 8523), (612, 8556), (617, 8568), (622, 8580), (626, 8592), (632, 8604), (633, 8607),

Gene: Xavier_8 Start: 4441, Stop: 6360, Start Num: 30

Candidate Starts for Xavier_8:

(Start: 30 @4441 has 453 MA's), (Start: 36 @4456 has 5 MA's), (Start: 85 @4552 has 7 MA's), (Start: 93 @4567 has 1 MA's), (119, 4678), (165, 4810), (172, 4834), (173, 4840), (175, 4852), (180, 4864), (242, 5029), (267, 5155), (268, 5158), (269, 5170), (272, 5179), (274, 5191), (298, 5254), (302, 5263), (315, 5299), (321, 5317), (324, 5326), (334, 5374), (354, 5470), (355, 5476), (363, 5512), (369, 5560), (374, 5584), (429, 5779), (459, 5872), (569, 6124), (603, 6259), (617, 6301), (622, 6313),

Gene: Xincheng_9 Start: 6587, Stop: 8458, Start Num: 36

Candidate Starts for Xincheng_9:

(Start: 30 @6572 has 453 MA's), (Start: 36 @6587 has 5 MA's), (83, 6668), (91, 6683), (102, 6734), (105, 6743), (117, 6794), (157, 6899), (173, 6959), (213, 7055), (240, 7133), (241, 7136), (243, 7145), (251, 7190), (269, 7280), (270, 7283), (301, 7361), (305, 7373), (315, 7400), (334, 7475), (348, 7535), (355, 7577), (357, 7589), (361, 7604), (374, 7688), (376, 7694), (383, 7721), (385, 7727), (388, 7736), (404, 7769), (543, 8138), (547, 8147), (548, 8150), (557, 8165), (569, 8213), (585, 8276), (589, 8285), (617, 8399), (635, 8444), (639, 8450),

Gene: Xkcd426_11 Start: 9122, Stop: 10924, Start Num: 78

Candidate Starts for Xkcd426_11:

(Start: 78 @9122 has 11 MA's), (84, 9143), (96, 9164), (107, 9227), (124, 9281), (154, 9368), (173, 9437), (197, 9506), (213, 9548), (227, 9593), (240, 9626), (242, 9632), (261, 9722), (265, 9734), (272, 9782), (318, 9860), (331, 9914), (340, 9947), (348, 9983), (360, 10049), (370, 10115), (419, 10295), (459, 10415), (467, 10433), (490, 10469), (519, 10571), (523, 10583), (574, 10718), (587, 10766), (607, 10838), (610, 10847), (618, 10868), (628, 10895), (638, 10913),

Gene: YDN12_11 Start: 8033, Stop: 9832, Start Num: 78

Candidate Starts for YDN12_11:

(Start: 78 @8033 has 11 MA's), (114, 8159), (120, 8180), (124, 8192), (137, 8240), (154, 8279), (166, 8321), (173, 8348), (197, 8417), (206, 8438), (213, 8459), (229, 8513), (240, 8537), (242, 8543), (243, 8549), (251, 8594), (265, 8645), (272, 8693), (329, 8816), (331, 8825), (340, 8858), (348, 8894), (350, 8900), (370, 9026), (404, 9128), (459, 9323), (476, 9359), (480, 9368), (510, 9449), (519, 9482), (523, 9494), (533, 9512), (549, 9545), (570, 9614), (583, 9662), (584, 9668), (607, 9749), (618, 9779), (628, 9806), (638, 9821),

Gene: Yago84_7 Start: 5116, Stop: 6957, Start Num: 30

Candidate Starts for Yago84_7:

(Start: 30 @5116 has 453 MA's), (Start: 92 @5230 has 2 MA's), (101, 5272), (117, 5335), (168, 5467), (173, 5485), (207, 5539), (213, 5560), (251, 5692), (259, 5725), (269, 5782), (270, 5785), (274, 5803), (290, 5854), (298, 5875), (330, 5983), (334, 5995), (355, 6097), (384, 6244), (387, 6253), (410, 6310), (510, 6589), (555, 6676), (557, 6682), (579, 6757), (580, 6763), (585, 6784), (606, 6865), (617, 6898), (622, 6910), (632, 6934), (633, 6937),

Gene: Yahalom_11 Start: 6315, Stop: 8219, Start Num: 30

Candidate Starts for Yahalom_11:

(Start: 30 @6315 has 453 MA's), (39, 6342), (84, 6423), (102, 6486), (119, 6552), (128, 6585), (168, 6693), (198, 6783), (224, 6861), (243, 6918), (253, 6972), (269, 7053), (274, 7074), (285, 7101), (308, 7152), (310, 7161), (315, 7170), (355, 7347), (357, 7359), (369, 7434), (374, 7458), (380, 7479), (411,

7563), (440, 7701), (448, 7719), (459, 7746), (473, 7770), (555, 7935), (558, 7944), (585, 8049), (589, 8058), (594, 8085), (622, 8175), (632, 8199), (639, 8211),

Gene: Yeshua_10 Start: 6784, Stop: 8628, Start Num: 30

Candidate Starts for Yeshua_10:

(Start: 30 @6784 has 453 MA's), (Start: 92 @6898 has 2 MA's), (101, 6940), (117, 7003), (137, 7069), (178, 7174), (207, 7213), (235, 7297), (237, 7303), (241, 7312), (243, 7321), (269, 7456), (270, 7459), (274, 7477), (296, 7549), (321, 7618), (326, 7645), (330, 7663), (334, 7675), (347, 7726), (355, 7777), (369, 7864), (374, 7888), (428, 8077), (448, 8146), (476, 8206), (557, 8353), (558, 8356), (579, 8428), (580, 8434), (585, 8455), (589, 8464), (598, 8512), (602, 8524), (612, 8557), (617, 8569), (622, 8581), (632, 8605), (633, 8608),

Gene: Yeti_20 Start: 8441, Stop: 10147, Start Num: 12

Candidate Starts for Yeti_20:

(Start: 12 @8441 has 40 MA's), (Start: 14 @8450 has 16 MA's), (20, 8465), (66, 8564), (69, 8570), (101, 8675), (105, 8687), (128, 8786), (129, 8792), (151, 8858), (157, 8876), (172, 8930), (180, 8960), (204, 8999), (211, 9017), (213, 9026), (225, 9062), (243, 9125), (256, 9188), (263, 9215), (269, 9260), (320, 9362), (321, 9365), (329, 9404), (334, 9422), (351, 9494), (363, 9560), (364, 9569), (369, 9608), (377, 9641), (386, 9674), (388, 9680), (398, 9710), (433, 9863), (437, 9878), (447, 9899), (448, 9902), (524, 10106), (529, 10115),

Gene: Yinz_11 Start: 6341, Stop: 8248, Start Num: 30

Candidate Starts for Yinz_11:

(Start: 30 @6341 has 453 MA's), (39, 6368), (84, 6449), (102, 6512), (119, 6578), (128, 6611), (168, 6719), (198, 6809), (224, 6887), (243, 6944), (253, 6998), (269, 7079), (274, 7100), (285, 7127), (308, 7178), (310, 7187), (315, 7196), (355, 7373), (357, 7385), (369, 7460), (374, 7484), (380, 7505), (411, 7589), (440, 7727), (448, 7745), (459, 7772), (473, 7796), (555, 7964), (558, 7973), (585, 8078), (589, 8087), (594, 8114), (622, 8204), (632, 8228), (639, 8240),

Gene: YorkOnyx_12 Start: 6233, Stop: 7861, Start Num: 7

Candidate Starts for YorkOnyx_12:

(Start: 7 @6233 has 114 MA's), (Start: 46 @6356 has 20 MA's), (58, 6377), (75, 6407), (81, 6434), (100, 6497), (106, 6527), (126, 6590), (133, 6617), (150, 6659), (208, 6785), (246, 6911), (251, 6935), (256, 6953), (259, 6968), (261, 6974), (273, 7037), (320, 7109), (328, 7148), (343, 7214), (349, 7244), (356, 7289), (359, 7304), (360, 7307), (365, 7343), (374, 7391), (377, 7400), (384, 7427), (396, 7454), (411, 7499), (419, 7553), (420, 7556), (425, 7571), (431, 7604), (434, 7622), (453, 7661), (457, 7667), (464, 7682), (472, 7703), (474, 7709), (496, 7745), (506, 7778),

Gene: Yoshand_8 Start: 4439, Stop: 6358, Start Num: 30

Candidate Starts for Yoshand_8:

(Start: 30 @4439 has 453 MA's), (Start: 36 @4454 has 5 MA's), (Start: 85 @4550 has 7 MA's), (Start: 93 @4565 has 1 MA's), (119, 4676), (165, 4808), (172, 4832), (173, 4838), (175, 4850), (180, 4862), (242, 5027), (267, 5153), (268, 5156), (269, 5168), (272, 5177), (274, 5189), (298, 5252), (302, 5261), (315, 5297), (321, 5315), (324, 5324), (334, 5372), (354, 5468), (355, 5474), (363, 5510), (369, 5558), (374, 5582), (429, 5777), (459, 5870), (569, 6122), (603, 6257), (617, 6299), (622, 6311),

Gene: YouGoGlencoco_8 Start: 4438, Stop: 6357, Start Num: 30

Candidate Starts for YouGoGlencoco_8:

(Start: 30 @4438 has 453 MA's), (Start: 36 @4453 has 5 MA's), (Start: 85 @4549 has 7 MA's), (Start: 93 @4564 has 1 MA's), (119, 4675), (165, 4807), (172, 4831), (173, 4837), (175, 4849), (180, 4861), (242, 5026), (267, 5152), (268, 5155), (269, 5167), (272, 5176), (274, 5188), (298, 5251), (302, 5260), (315, 5296), (321, 5314), (324, 5323), (334, 5371), (354, 5467), (355, 5473), (363, 5509), (369, 5557), (374, 5581), (429, 5776), (459, 5869), (569, 6121), (603, 6256), (617, 6298), (622, 6310),

Gene: YungMoney_12 Start: 6514, Stop: 8100, Start Num: 7

Candidate Starts for YungMoney_12:

(Start: 7 @6514 has 114 MA's), (19, 6577), (101, 6766), (108, 6796), (117, 6829), (149, 6913), (156, 6934), (159, 6949), (240, 7123), (242, 7129), (249, 7165), (253, 7189), (254, 7192), (265, 7231), (280, 7303), (320, 7363), (321, 7366), (322, 7369), (329, 7405), (331, 7414), (333, 7420), (334, 7423), (349, 7486), (356, 7531), (363, 7561), (369, 7609), (384, 7666), (391, 7687), (404, 7714), (405, 7717), (412, 7744), (420, 7795), (431, 7843),

Gene: Zagie_22 Start: 8634, Stop: 10460, Start Num: 41

Candidate Starts for Zagie_22:

(Start: 41 @8634 has 55 MA's), (105, 8784), (144, 8919), (165, 8958), (191, 9036), (207, 9054), (256, 9204), (259, 9219), (269, 9276), (291, 9345), (312, 9393), (316, 9402), (349, 9537), (356, 9582), (357, 9588), (360, 9600), (369, 9660), (411, 9789), (412, 9795), (416, 9822), (440, 9921), (462, 9966), (557, 10161), (566, 10197), (573, 10215), (587, 10260),

Gene: Zaider_9 Start: 4671, Stop: 6590, Start Num: 30

Candidate Starts for Zaider_9:

(Start: 30 @4671 has 453 MA's), (Start: 36 @4686 has 5 MA's), (Start: 85 @4782 has 7 MA's), (Start: 93 @4797 has 1 MA's), (119, 4908), (165, 5040), (172, 5064), (173, 5070), (175, 5082), (180, 5094), (242, 5259), (267, 5385), (268, 5388), (269, 5400), (272, 5409), (274, 5421), (298, 5484), (302, 5493), (315, 5529), (321, 5547), (324, 5556), (334, 5604), (354, 5700), (355, 5706), (363, 5742), (369, 5790), (374, 5814), (429, 6009), (459, 6102), (569, 6354), (603, 6489), (617, 6531), (622, 6543),

Gene: Zapato_17 Start: 7638, Stop: 9347, Start Num: 14

Candidate Starts for Zapato_17:

(Start: 12 @7629 has 40 MA's), (Start: 14 @7638 has 16 MA's), (Start: 55 @7734 has 4 MA's), (69, 7758), (101, 7863), (105, 7875), (128, 7974), (133, 7992), (151, 8046), (157, 8064), (166, 8097), (171, 8115), (193, 8169), (210, 8199), (211, 8205), (213, 8214), (225, 8250), (243, 8313), (256, 8376), (263, 8403), (269, 8448), (320, 8550), (321, 8553), (329, 8592), (331, 8601), (334, 8610), (343, 8643), (351, 8682), (363, 8748), (364, 8757), (365, 8772), (367, 8781), (369, 8796), (371, 8808), (386, 8862), (388, 8868), (398, 8898), (442, 9075), (447, 9087), (455, 9111), (456, 9114), (463, 9135), (464, 9138), (519, 9279), (523, 9291), (529, 9303), (537, 9330),

Gene: Zelda_8 Start: 4441, Stop: 6360, Start Num: 30

Candidate Starts for Zelda_8:

(Start: 30 @4441 has 453 MA's), (Start: 36 @4456 has 5 MA's), (Start: 85 @4552 has 7 MA's), (Start: 93 @4567 has 1 MA's), (119, 4678), (165, 4810), (172, 4834), (173, 4840), (175, 4852), (180, 4864), (242, 5029), (267, 5155), (268, 5158), (269, 5170), (272, 5179), (274, 5191), (298, 5254), (302, 5263), (315, 5299), (321, 5317), (324, 5326), (334, 5374), (354, 5470), (355, 5476), (363, 5512), (369, 5560), (374, 5584), (429, 5779), (459, 5872), (569, 6124), (603, 6259), (617, 6301), (622, 6313),

Gene: Zemanar_10 Start: 6748, Stop: 8637, Start Num: 30

Candidate Starts for Zemanar_10:

(Start: 30 @6748 has 453 MA's), (Start: 36 @6763 has 5 MA's), (83, 6844), (91, 6859), (102, 6910), (105, 6919), (117, 6970), (157, 7075), (173, 7135), (213, 7231), (240, 7309), (241, 7312), (243, 7321), (251, 7366), (269, 7456), (270, 7459), (301, 7537), (305, 7549), (334, 7651), (348, 7711), (355, 7753), (357, 7765), (369, 7840), (374, 7864), (376, 7870), (383, 7897), (385, 7903), (388, 7912), (404, 7945), (412, 7975), (543, 8317), (547, 8326), (548, 8329), (569, 8392), (584, 8452), (585, 8455), (589, 8464), (617, 8578), (626, 8602), (639, 8629),

Gene: Zenteno07_13 Start: 5606, Stop: 7525, Start Num: 30

Candidate Starts for Zenteno07_13:

(Start: 30 @5606 has 453 MA's), (166, 5981), (169, 5993), (180, 6032), (203, 6083), (244, 6209), (251, 6248), (267, 6323), (268, 6326), (274, 6359), (291, 6407), (295, 6416), (302, 6431), (305, 6440), (324, 6494), (347, 6593), (355, 6644), (363, 6680), (373, 6749), (374, 6752), (440, 6995), (448, 7013), (552, 7229), (557, 7241), (585, 7352), (589, 7361), (590, 7376), (603, 7424), (635, 7511),

Gene: ZestyBestie_20 Start: 8304, Stop: 10130, Start Num: 41

Candidate Starts for ZestyBestie_20:

(Start: 41 @8304 has 55 MA's), (105, 8454), (144, 8589), (165, 8628), (191, 8706), (207, 8724), (256, 8874), (259, 8889), (269, 8946), (291, 9015), (312, 9063), (316, 9072), (349, 9207), (356, 9252), (357, 9258), (360, 9270), (369, 9330), (411, 9459), (412, 9465), (416, 9492), (440, 9591), (462, 9636), (557, 9831), (566, 9867), (573, 9885), (587, 9930),

Gene: Zhafia_24 Start: 8864, Stop: 10690, Start Num: 41

Candidate Starts for Zhafia_24:

(Start: 41 @8864 has 55 MA's), (144, 9149), (165, 9188), (191, 9266), (207, 9284), (259, 9449), (269, 9506), (312, 9623), (316, 9632), (349, 9767), (356, 9812), (357, 9818), (360, 9830), (369, 9890), (411, 10019), (412, 10025), (416, 10052), (440, 10151), (462, 10196), (557, 10391), (566, 10427), (573, 10445), (587, 10490),

Gene: Zipp_14 Start: 7375, Stop: 9042, Start Num: 7

Candidate Starts for Zipp_14:

(Start: 7 @7375 has 114 MA's), (Start: 22 @7450 has 3 MA's), (33, 7471), (Start: 41 @7498 has 55 MA's), (77, 7585), (100, 7666), (106, 7696), (136, 7792), (140, 7807), (150, 7828), (154, 7840), (157, 7849), (163, 7873), (204, 7945), (208, 7954), (244, 8065), (246, 8080), (251, 8104), (256, 8122), (259, 8137), (261, 8143), (280, 8218), (320, 8278), (349, 8413), (356, 8458), (364, 8497), (371, 8548), (380, 8581), (383, 8593), (384, 8596), (396, 8623), (405, 8647), (420, 8725), (431, 8776), (439, 8806), (443, 8812), (465, 8869), (484, 8914), (505, 8962),

Gene: Zitch_15 Start: 6694, Stop: 8367, Start Num: 7

Candidate Starts for Zitch_15:

(Start: 7 @6694 has 114 MA's), (Start: 22 @6769 has 3 MA's), (Start: 41 @6817 has 55 MA's), (77, 6904), (100, 6985), (106, 7015), (150, 7147), (163, 7192), (204, 7264), (208, 7273), (244, 7384), (251, 7423), (256, 7441), (258, 7453), (259, 7456), (261, 7462), (280, 7537), (316, 7585), (320, 7597), (349, 7732), (356, 7777), (364, 7816), (371, 7867), (380, 7900), (383, 7912), (384, 7915), (396, 7942), (405, 7966), (420, 8044), (431, 8095), (439, 8125), (443, 8131), (452, 8149), (465, 8188), (484, 8233),

Gene: Zonia_8 Start: 4437, Stop: 6356, Start Num: 30

Candidate Starts for Zonia_8:

(Start: 30 @4437 has 453 MA's), (Start: 85 @4548 has 7 MA's), (Start: 93 @4563 has 1 MA's), (119, 4674), (165, 4806), (172, 4830), (173, 4836), (175, 4848), (180, 4860), (242, 5025), (267, 5151), (268, 5154), (269, 5166), (272, 5175), (274, 5187), (298, 5250), (302, 5259), (315, 5295), (321, 5313), (324, 5322), (334, 5370), (354, 5466), (355, 5472), (363, 5508), (369, 5556), (374, 5580), (429, 5775), (459, 5868), (569, 6120), (603, 6255), (617, 6297), (622, 6309),

Gene: Zooman_67 Start: 27800, Stop: 29527, Start Num: 34

Candidate Starts for Zooman_67:

(3, 27662), (4, 27668), (5, 27671), (Start: 34 @27800 has 9 MA's), (Start: 55 @27854 has 4 MA's), (71, 27878), (86, 27929), (115, 28037), (121, 28061), (153, 28151), (157, 28163), (172, 28217), (241, 28424), (251, 28478), (320, 28694), (343, 28787), (349, 28817), (364, 28901), (373, 28961), (382, 28994), (387, 29009), (437, 29213), (438, 29216), (440, 29219), (460, 29270), (516, 29441),

Gene: phiAsp2_4 Start: 1019, Stop: 2959, Start Num: 76

Candidate Starts for phiAsp2_4:

(15, 869), (17, 875), (18, 878), (24, 890), (76, 1019), (96, 1070), (135, 1238), (143, 1259), (150, 1268),
(168, 1331), (186, 1394), (192, 1415), (212, 1466), (213, 1469), (236, 1553), (255, 1640), (257, 1646),
(261, 1664), (270, 1718), (274, 1736), (312, 1784), (324, 1817), (328, 1844), (329, 1847), (331, 1856),
(335, 1877), (336, 1880), (351, 1946), (360, 2000), (392, 2138), (423, 2261), (424, 2264), (425, 2285),
(427, 2294), (464, 2411), (520, 2576), (530, 2603), (541, 2627), (564, 2702), (584, 2786), (586, 2792),
(590, 2813), (597, 2837), (602, 2852), (615, 2894), (624, 2915), (636, 2945),