

Zoomed Pham 330313

	21	68	90	107	140	149	221	248	251	258	263	261	268	276	293	294	300	306	312	317	335	340	364	371	382	387	393
1. Caterpillar_9	21	68	90	107	140	149	221	248	251	258	263	261	268	276	293	294	300	306	312	317	335	340	364	371	382	387	393
2. JohnBird_9	21	68	90	107	140	149	221	248	251	258	263	261	268	276	293	294	300	306	312	317	335	340	364	371	382	387	393
3. Mad_9	21	68	90	107	140	149	221	248	251	258	263	261	268	276	293	294	300	306	312	317	335	340	364	371	382	387	393
4. Sejanus_9	21	68	90	107	140	149	221	248	251	258	263	261	268	276	293	294	300	306	312	317	335	340	364	371	382	387	393
5. Doris_9	21	68	90	107	140	149	221	248	251	258	263	261	268	276	293	294	300	306	312	317	335	340	364	371	382	387	393
6. Struggle_9 + 21	21	68	90	107	140	149	221	248	251	258	263	261	268	276	293	294	300	306	312	317	335	340	364	371	382	387	393
7. Aomishiki_9 + 53	21	68	90	107	140	149	221	248	251	258	263	261	268	276	293	294	300	306	312	317	335	340	364	371	382	387	393
8. Virgeve_9 + 30	21	68	90	107	140	149	221	248	251	258	263	261	268	276	293	294	300	306	312	317	335	340	364	371	382	387	393
9. Fozzie_9 + 1	21	68	90	107	140	149	221	248	251	258	263	261	268	276	293	294	300	306	312	317	335	340	364	371	382	387	393
10. Brilliant_9 + 1	21	68	90	107	140	149	221	248	251	258	263	261	268	276	293	294	300	306	312	317	335	340	364	371	382	387	393
11. Joug01_10 + 1	21	68	90	107	140	149	221	248	251	258	263	261	268	276	293	294	300	306	312	317	335	340	364	371	382	387	393
12. Wener20_9 + 2	21	68	90	107	140	149	221	248	251	258	263	261	268	276	293	294	300	306	312	317	335	340	364	371	382	387	393
13. Pimatters_9 + 74	21	68	90	107	140	149	221	248	251	258	263	261	268	276	293	294	300	306	312	317	335	340	364	371	382	387	393
14. Colbert_9 + 45	21	68	90	107	140	149	221	248	251	258	263	261	268	276	293	294	300	306	312	317	335	340	364	371	382	387	393
15. Eugenia_9 + 1	21	68	90	107	140	149	221	248	251	258	263	261	268	276	293	294	300	306	312	317	335	340	364	371	382	387	393
16. Swish_9	21	68	90	107	140	149	221	248	251	258	263	261	268	276	293	294	300	306	312	317	335	340	364	371	382	387	393
17. Adriana_9	21	68	90	107	140	149	221	248	251	258	263	261	268	276	293	294	300	306	312	317	335	340	364	371	382	387	393
18. Robyn_9	21	68	90	107	140	149	221	248	251	258	263	261	268	276	293	294	300	306	312	317	335	340	364	371	382	387	393
19. MiaMia_10	21	68	90	107	140	149	221	248	251	258	263	261	268	276	293	294	300	306	312	317	335	340	364	371	382	387	393
20. LemonSlice_9	21	68	90	107	140	149	221	248	251	258	263	261	268	276	293	294	300	306	312	317	335	340	364	371	382	387	393
21. Windsor_9 + 7	21	68	90	107	140	149	221	248	251	258	263	261	268	276	293	294	300	306	312	317	335	340	364	371	382	387	393
22. Chunky_9 + 7	21	68	90	107	140	149	221	248	251	258	263	261	268	276	293	294	300	306	312	317	335	340	364	371	382	387	393
23. Swipny_9 + 1	21	68	90	107	140	149	221	248	251	258	263	261	268	276	293	294	300	306	312	317	335	340	364	371	382	387	393
24. Trypo_9	21	68	90	107	140	149	221	248	251	258	263	261	268	276	293	294	300	306	312	317	335	340	364	371	382	387	393
25. Mataotodo_9 + 2	21	68	90	107	140	149	221	248	251	258	263	261	268	276	293	294	300	306	312	317	335	340	364	371	382	387	393
26. Kingveveve_9 + 2	21	68	90	107	140	149	221	248	251	258	263	261	268	276	293	294	300	306	312	317	335	340	364	371	382	387	393
27. Kimborough_9	21	68	90	107	140	149	221	248	251	258	263	261	268	276	293	294	300	306	312	317	335	340	364	371	382	387	393
28. Bui_9 + 4	21	68	90	107	140	149	221	248	251	258	263	261	268	276	293	294	300	306	312	317	335	340	364	371	382	387	393
29. Tombombadii_9	21	68	90	107	140	149	221	248	251	258	263	261	268	276	293	294	300	306	312	317	335	340	364	371	382	387	393
30. Cobra_9	21	68	90	107	140	149	221	248	251	258	263	261	268	276	293	294	300	306	312	317	335	340	364	371	382	387	393
31. Schadenfreude_9	21	68	90	107	140	149	221	248	251	258	263	261	268	276	293	294	300	306	312	317	335	340	364	371	382	387	393
32. FOCUS_9 + 11	21	68	90	107	140	149	221	248	251	258	263	261	268	276	293	294	300	306	312	317	335	340	364	371	382	387	393
33. Lopsy_9	21	68	90	107	140	149	221	248	251	258	263	261	268	276	293	294	300	306	312	317	335	340	364	371	382	387	393
34. Basato_10 + 4	21	68	90	107	140	149	221	248	251	258	263	261	268	276	293	294	300	306	312	317	335	340	364	371	382	387	393
35. Kam_9	21	68	90	107	140	149	221	248	251	258	263	261	268	276	293	294	300	306	312	317	335	340	364	371	382	387	393
36. Morty_9	21	68	90	107	140	149	221	248	251	258	263	261	268	276	293	294	300	306	312	317	335	340	364	371	382	387	393
37. Larson_11	21	68	90	107	140	149	221	248	251	258	263	261	268	276	293	294	300	306	312	317	335	340	364	371	382	387	393
38. Freya_9 + 1	21	68	90	107	140	149	221	248	251	258	263	261	268	276	293	294	300	306	312	317	335	340	364	371	382	387	393
39. Oliverwailer_9	21	68	90	107	140	149	221	248	251	258	263	261	268	276	293	294	300	306	312	317	335	340	364	371	382	387	393
40. Jimmy_9 + 1	21	68	90	107	140	149	221	248	251	258	263	261	268	276	293	294	300	306	312	317	335	340	364	371	382	387	393
41. Happabatu_10	21	68	90	107	140	149	221	248	251	258	263	261	268	276	293	294	300	306	312	317	335	340	364	371	382	387	393
42. Hogwash_9 + 2	21	68	90	107	140	149	221	248	251	258	263	261	268	276	293	294	300	306	312	317	335	340	364	371	382	387	393
43. Nathan_9	21	68	90	107	140	149	221	248	251	258	263	261	268	276	293	294	300	306	312	317	335	340	364	371	382	387	393
44. Aleia_10 + 1	21	68	90	107	140	149	221	248	251	258	263	261	268	276	293	294	300	306	312	317	335	340	364	371	382	387	393
45. Nehme_9	21	68	90	107	140	149	221	248	251	258	263	261	268	276	293	294	300	306	312	317	335	340	364	371	382	387	393
46. Jiraiya_9	21	68	90	107	140	149	221	248	251	258	263	261	268	276	293	294	300	306	312	317	335	340	364	371	382	387	393
47. Phrodobaggins_9	21	68	90	107	140	149	221	248	251	258	263	261	268	276	293	294	300	306	312	317	335	340	364	371	382	387	393
48. Maru_9	21	68	90	107	140	149	221	248	251	258	263	261	268	276	293	294	300	306	312	317	335	340	364	371	382	387	393
49. Mao_10	21	68	90	107	140	149	221	248	251	258	263	261	268	276	293	294	300	306	312	317	335	340	364	371	382	387	393
50. Pinkman_9	21	68	90	107	140	149	221	248	251	258	263	261	268	276	293	294	300	306	312	317	335	340	364	371	382	387	393

Zoomed Pham 330313

		22	30	38	46	54	62	70	78	86	94	102	110	118	126	134	142	150	158	166	174	182	190	198	206	214	222	230	238	243		254	262	270	278	286	294	302	310	318	326	334	342	350	358	366	374	382	390	398	406	414	422	430	438	446	454	462	470	478	486	494	502	510	518	526	534	542	550	558	566	574	582	590	598	606	614	622	630	638	646	654	662	670	678	686	694	702	710	718	726	734	742	750	758	766	774	782	790	798	806	814	822	830	838	846	854	862	870	878	886	894	902	910	918	926	934	942	950	958	966	974	982	990	998	1006	1014	1022	1030	1038	1046	1054	1062	1070	1078	1086	1094	1102	1110	1118	1126	1134	1142	1150	1158	1166	1174	1182	1190	1198	1206	1214	1222	1230	1238	1246	1254	1262	1270	1278	1286	1294	1302	1310	1318	1326	1334	1342	1350	1358	1366	1374	1382	1390	1398	1406	1414	1422	1430	1438	1446	1454	1462	1470	1478	1486	1494	1502	1510	1518	1526	1534	1542	1550	1558	1566	1574	1582	1590	1598	1606	1614	1622	1630	1638	1646	1654	1662	1670	1678	1686	1694	1702	1710	1718	1726	1734	1742	1750	1758	1766	1774	1782	1790	1798	1806	1814	1822	1830	1838	1846	1854	1862	1870	1878	1886	1894	1902	1910	1918	1926	1934	1942	1950	1958	1966	1974	1982	1990	1998	2006	2014	2022	2030	2038	2046	2054	2062	2070	2078	2086	2094	2102	2110	2118	2126	2134	2142	2150	2158	2166	2174	2182	2190	2198	2206	2214	2222	2230	2238	2246	2254	2262	2270	2278	2286	2294	2302	2310	2318	2326	2334	2342	2350	2358	2366	2374	2382	2390	2398	2406	2414	2422	2430	2438	2446	2454	2462	2470	2478	2486	2494	2502	2510	2518	2526	2534	2542	2550	2558	2566	2574	2582	2590	2598	2606	2614	2622	2630	2638	2646	2654	2662	2670	2678	2686	2694	2702	2710	2718	2726	2734	2742	2750	2758	2766	2774	2782	2790	2798	2806	2814	2822	2830	2838	2846	2854	2862	2870	2878	2886	2894	2902	2910	2918	2926	2934	2942	2950	2958	2966	2974	2982	2990	2998	3006	3014	3022	3030	3038	3046	3054	3062	3070	3078	3086	3094	3102	3110	3118	3126	3134	3142	3150	3158	3166	3174	3182	3190	3198	3206	3214	3222	3230	3238	3246	3254	3262	3270	3278	3286	3294	3302	3310	3318	3326	3334	3342	3350	3358	3366	3374	3382	3390	3398	3406	3414	3422	3430	3438	3446	3454	3462	3470	3478	3486	3494	3502	3510	3518	3526	3534	3542	3550	3558	3566	3574	3582	3590	3598	3606	3614	3622	3630	3638	3646	3654	3662	3670	3678	3686	3694	3702	3710	3718	3726	3734	3742	3750	3758	3766	3774	3782	3790	3798	3806	3814	3822	3830	3838	3846	3854	3862	3870	3878	3886	3894	3902	3910	3918	3926	3934	3942	3950	3958	3966	3974	3982	3990	3998	4006	4014	4022	4030	4038	4046	4054	4062	4070	4078	4086	4094	4102	4110	4118	4126	4134	4142	4150	4158	4166	4174	4182	4190	4198	4206	4214	4222	4230	4238	4246	4254	4262	4270	4278	4286	4294	4302	4310	4318	4326	4334	4342	4350	4358	4366	4374	4382	4390	4398	4406	4414	4422	4430	4438	4446	4454	4462	4470	4478	4486	4494	4502	4510	4518	4526	4534	4542	4550	4558	4566	4574	4582	4590	4598	4606	4614	4622	4630	4638	4646	4654	4662	4670	4678	4686	4694	4702	4710	4718	4726	4734	4742	4750	4758	4766	4774	4782	4790	4798	4806	4814	4822	4830	4838	4846	4854	4862	4870	4878	4886	4894	4902	4910	4918	4926	4934	4942	4950	4958	4966	4974	4982	4990	4998	5006	5014	5022	5030	5038	5046	5054	5062	5070	5078	5086	5094	5102	5110	5118	5126	5134	5142	5150	5158	5166	5174	5182	5190	5198	5206	5214	5222	5230	5238	5246	5254	5262	5270	5278	5286	5294	5302	5310	5318	5326	5334	5342	5350	5358	5366	5374	5382	5390	5398	5406	5414	5422	5430	5438	5446	5454	5462	5470	5478	5486	5494	5502	5510	5518	5526	5534	5542	5550	5558	5566	5574	5582	5590	5598	5606	5614	5622	5630	5638	5646	5654	5662	5670	5678	5686	5694	5702	5710	5718	5726	5734	5742	5750	5758	5766	5774	5782	5790	5798	5806	5814	5822	5830	5838	5846	5854	5862	5870	5878	5886	5894	5902	5910	5918	5926	5934	5942	5950	5958	5966	5974	5982	5990	5998	6006	6014	6022	6030	6038	6046	6054	6062	6070	6078	6086	6094	6102	6110	6118	6126	6134	6142	6150	6158	6166	6174	6182	6190	6198	6206	6214	6222	6230	6238	6246	6254	6262	6270	6278	6286	6294	6302	6310	6318	6326	6334	6342	6350	6358	6366	6374	6382	6390	6398	6406	6414	6422	6430	6438	6446	6454	6462	6470	6478	6486	6494	6502	6510	6518	6526	6534	6542	6550	6558	6566	6574	6582	6590	6598	6606	6614	6622	6630	6638	6646	6654	6662	6670	6678	6686	6694	6702	6710	6718	6726	6734	6742	6750	6758	6766	6774	6782	6790	6798	6806	6814	6822	6830	6838	6846	6854	6862	6870	6878	6886	6894	6902	6910	6918	6926	6934	6942	6950	6958	6966	6974	6982	6990	6998	7006	7014	7022	7030	7038	7046	7054	7062	7070	7078	7086	7094	7102	7110	7118	7126	7134	7142	7150	7158	7166	7174	7182	7190	7198	7206	7214	7222	7230	7238	7246	7254	7262	7270	7278	7286	7294	7302	7310	7318	7326	7334	7342	7350	7358	7366	7374	7382	7390	7398	7406	7414	7422	7430	7438	7446	7454	7462	7470	7478	7486	7494	7502	7510	7518	7526	7534	7542	7550	7558	7566	7574	7582	7590	7598	7606	7614	7622	7630	7638	7646	7654	7662	7670	7678	7686	7694	7702	7710	7718	7726	7734	7742	7750	7758	7766	7774	7782	7790	7798	7806	7814	7822	7830	7838	7846	7854	7862	7870	7878	7886	7894	7902	7910	7918	7926	7934	7942	7950	7958	7966	7974	7982	7990	7998	8006	8014	8022	8030	8038	8046	8054	8062	8070	8078	8086	8094	8102	8110	8118	8126	8134	8142	8150	8158	8166	8174	8182	8190	8198	8206	8214	8222	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Zoomed Pham 330313

I01: Violet2_10	30	24	63	100	101	124	143	144	145	146	148	200	211	226	243	271	280	280	302	310	320	334	338	352	353	354	355	356	357	358	359	360	361	362	
I02: Renker_9 + 1	30	24	63	100	101	124	143	144	145	146	148	200	211	216	243	271	280	280	302	310	320	334	338	352	353	354	355	356	357	358	359	360	361	362	
I03: Fortunato_10	30	24	63	100	101	124	143	144	145	146	148	200	211	222	231	243	271	280	280	302	310	320	334	338	352	353	354	355	356	357	358	359	360	361	362
I04: AlanGrant_11	30	24	63	100	101	124	143	144	145	146	148	200	211	222	231	243	271	280	280	302	310	320	334	338	352	353	354	355	356	357	358	359	360	361	362
I05: Magpie_10	30	24	63	100	101	124	143	144	145	146	148	200	211	222	231	243	271	280	280	302	310	320	334	338	352	353	354	355	356	357	358	359	360	361	362
I06: Cooper_10	30	24	63	100	101	124	143	144	145	146	148	200	211	222	231	243	271	280	280	302	310	320	334	338	352	353	354	355	356	357	358	359	360	361	362
I07: Frederick_10	30	24	63	100	101	124	143	144	145	146	148	200	211	222	231	243	271	280	280	302	310	320	334	338	352	353	354	355	356	357	358	359	360	361	362
I08: Singer_8	30	24	63	100	101	124	143	144	145	146	148	200	211	222	231	243	271	280	280	302	310	320	334	338	352	353	354	355	356	357	358	359	360	361	362
I09: Vincenzo_11	30	24	63	100	101	124	143	144	145	146	148	200	211	222	231	243	271	280	280	302	310	320	334	338	352	353	354	355	356	357	358	359	360	361	362
I10: RawrgerThat_10	30	24	63	100	101	124	143	144	145	146	148	200	211	222	231	243	271	280	280	302	310	320	334	338	352	353	354	355	356	357	358	359	360	361	362
I11: Hydro_10	30	24	63	100	101	124	143	144	145	146	148	200	211	222	231	243	271	280	280	302	310	320	334	338	352	353	354	355	356	357	358	359	360	361	362
I12: Minnim_10	30	24	63	100	101	124	143	144	145	146	148	200	211	222	231	243	271	280	280	302	310	320	334	338	352	353	354	355	356	357	358	359	360	361	362
I13: Fanaw_10	30	24	63	100	101	124	143	144	145	146	148	200	211	216	243	271	280	280	302	310	320	334	338	352	353	354	355	356	357	358	359	360	361	362	
I14: Chrsnmich_9	30	24	63	100	101	124	143	144	145	146	148	200	211	216	243	271	280	280	302	310	320	334	338	352	353	354	355	356	357	358	359	360	361	362	
I15: QueenPie_10	30	24	63	100	101	124	143	144	145	146	148	200	211	216	243	271	280	280	302	310	320	334	338	352	353	354	355	356	357	358	359	360	361	362	
I16: DigitDog_11	30	24	63	100	101	124	143	144	145	146	148	200	211	216	243	271	280	280	302	310	320	334	338	352	353	354	355	356	357	358	359	360	361	362	
I17: KarasumaRum_I2 + 1	30	24	63	100	101	124	143	144	145	146	148	200	211	216	243	271	280	280	302	310	320	334	338	352	353	354	355	356	357	358	359	360	361	362	
I18: Shenyu_11	30	24	63	100	101	124	143	144	145	146	148	200	211	216	243	271	280	280	302	310	320	334	338	352	353	354	355	356	357	358	359	360	361	362	
I19: Rich_11	30	24	63	100	101	124	143	144	145	146	148	200	211	216	243	271	280	280	302	310	320	334	338	352	353	354	355	356	357	358	359	360	361	362	
I20: Donny_11 + 2	30	24	63	100	101	124	143	144	145	146	148	200	211	216	243	271	280	280	302	310	320	334	338	352	353	354	355	356	357	358	359	360	361	362	
I21: Nenemiah_10 + 1	30	24	63	100	101	124	143	144	145	146	148	200	211	216	243	271	280	280	302	310	320	334	338	352	353	354	355	356	357	358	359	360	361	362	
I22: SirJettory_11 + 1	30	24	63	100	101	124	143	144	145	146	148	200	211	216	243	271	280	280	302	310	320	334	338	352	353	354	355	356	357	358	359	360	361	362	
I23: Philemich_11	30	24	63	100	101	124	143	144	145	146	148	200	211	216	243	271	280	280	302	310	320	334	338	352	353	354	355	356	357	358	359	360	361	362	
I24: Acadian_11	30	24	63	100	101	124	143	144	145	146	148	200	211	216	243	271	280	280	302	310	320	334	338	352	353	354	355	356	357	358	359	360	361	362	
I25: Nangang_11	30	24	63	100	101	124	143	144	145	146	148	200	211	216	243	271	280	280	302	310	320	334	338	352	353	354	355	356	357	358	359	360	361	362	
I26: Reprobate_11	30	24	63	100	101	124	143	144	145	146	148	200	211	216	243	271	280	280	302	310	320	334	338	352	353	354	355	356	357	358	359	360	361	362	
I27: Baee_11	30	24	63	100	101	124	143	144	145	146	148	200	211	216	243	271	280	280	302	310	320	334	338	352	353	354	355	356	357	358	359	360	361	362	
I28: Serendipitous_13	30	24	63	100	101	124	143	144	145	146	148	200	211	216	243	271	280	280	302	310	320	334	338	352	353	354	355	356	357	358	359	360	361	362	
I29: Eastview9101_11	30	24	63	100	101	124	143	144	145	146	148	200	211	216	243	271	280	280	302	310	320	334	338	352	353	354	355	356	357	358	359	360	361	362	
I30: 4UBC_08 + 1	30	24	63	100	101	124	143	144	145	146	148	200	211	216	243	271	280	280	302	310	320	334	338	352	353	354	355	356	357	358	359	360	361	362	
I31: KayaCho_8	30	24	63	100	101	124	143	144	145	146	148	200	211	216	243	271	280	280	302	310	320	334	338	352	353	354	355	356	357	358	359	360	361	362	
I32: Hosp_06	30	24	63	100	101	124	143	144	145	146	148	200	211	216	243	271	280	280	302	310	320	334	338	352	353	354	355	356	357	358	359	360	361	362	
I33: Joire1_08	30	24	63	100	101	124	143	144	145	146	148	200	211	216	243	271	280	280	302	310	320	334	338	352	353	354	355	356	357	358	359	360	361	362	
I34: ForDig_8	30	24	63	100	101	124	143	144	145	146	148	200	211	216	243	271	280	280	302	310	320	334	338	352	353	354	355	356	357	358	359	360	361	362	
I35: Minnow_8	30	24	63	100	101	124	143	144	145	146	148	200	211	216	243	271	280	280	302	310	320	334	338	352	353	354	355	356	357	358	359	360	361	362	
I36: Saguaro_12	30	24	63	100	101	124	143	144	145	146	148	200	211	216	243	271	280	280	302	310	320	334	338	352	353	354	355	356	357	358	359	360	361	362	
I37: Monko_8	30	24	63	100	101	124	143	144	145	146	148	200	211	216	243	271	280	280	302	310	320	334	338	352	353	354	355	356	357	358	359	360	361	362	
I38: CRB2_12	30	24	63	100	101	124	143	144	145	146	148	200	211	216	243	271	280	280	302	310	320	334	338	352	353	354	355	356	357	358	359	360	361	362	
I39: PenguinLover67_I3	30	24	63	100	101	124	143	144	145	146	148	200	211	216	243	271	280	280	302	310	320	334	338	352	353	354	355	356	357	358	359	360	361	362	
I40: Klocker_15	30	24	63	100	101	124	143	144	145	146	148	200	211	216	243	271	280	280	302	310	320	334	338	352	353	354	355	356	357	358	359	360	361	362	
I41: Quesadma_12	30	24	63	100	101	124	143	144	145	146	148	200	211	216	243	271	280	280	302	310	320	334	338	352	353	354	355	356	357	358	359	360	361	362	
I42: FunSized_15	30	24	63	100	101	124	143	144	145	146	148	200	211	216	243	271	280	280	302	310	320	334	338	352	353	354	355	356	357	358	359	360	361	362	
I43: Rinkes_14	30	24	63	100	101	124	143	144	145	146	148	200	211	216	243	271																			

Zoomed Pham 330313

[illegible]

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

Pham 330313 Report

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

Pham number 330313 has 546 members, 69 are drafts.

Phages represented in each track:

- Track 1 : Caterpie_7
- Track 2 : JohnLord_8
- Track 3 : Mao1_7, Mask_8
- Track 4 : Sejanus_8
- Track 5 : Dori_8
- Track 6 : Struggle_9, MelsMeow_9, Mag7_9, Veritas_9, MichaelPhcott_9, PhrankReynolds_9, Wallhey_9, Labeouficaum_9, Phleuron_9, Oline_9, Derpp_9, PhenghisKhan_9, DuchessDung_9, Ashraf_9, BatteryCK_9, ImtiyazSitla_9, CharlieGBrown_9, Maskar_9, TyrionL_9, Kailash_9, Kwksand96_9, Phergie_9
- Track 7 : Aonishiki_9, Self12_9, Orion_9, HenryJackson_9, Skippy_9, Puhltonio_9, DoesntMatter_9, ThreeOh3D2_9, Serendipity_9, Craff_9, Grand2040_9, Mesmerelda_9, True_9, Haimas_9, Aelin_9, Gophee_9, Usavi_9, Lulwa_9, Xavier_9, Cosmolli16_9, Fang_9, AbsoluteMadLad_9, Samaymay_9, Andre_9, FremontTroll_10, QueenBeane_9, Omniscient_9, Pacifista_9, Piglet_009, Charles1_9, Olak_9, Nyala_9, Dice_9, Haleema_9, PG1_9, ShadowBud_9, Gareth_9, Serpentine_009, CamL_9, Jillium_9, Cannibal_9, Fringe_9, Podrick_9, Ricotta_9, Quisquiliae_9, Cher_9, Kwadwo_9, Anderson_9, Beaglebox_9, Chah_9, Mcshane_9, Numberten_9, Megamind20_10, LuckyMarjie_9
- Track 8 : Virgeve_9, DaddyDaniels_9, PallasAthena_9, JDog_9, Khan1_9, Plata_9, Hekos_9, Pipsqueak_9, Longacauda_9, Vista_9, JakeO_9, MrPhizzler_9, Soile_9, Durga_9, Gwennie1_9, Sophia_9, LeeLot_9, Zelda_9, Nova1_9, DelRivs_9, Doddsville_9, Zonia_9, OSmaximus_9, Duggie_9, PinheadLarry_9, Iridessa_9, Thunderbird_9, Salazzle_9, Schueller_9, Orfeu_9, Rimu_9
- Track 9 : Fozzie_9, Phareon_9
- Track 10 : Brilliant_9, BlacksBerry_9
- Track 11 : Jbug01_10, Taraxa_10
- Track 12 : Weher20_9, Melc17_9, Cornbread_9
- Track 13 : Plmatters_9, Kloppinator_9, BoogieWoogie_9, EmpTee_9, Legolas_9, Buckeye_9, ProfessorX_9, DonSanchon_9, Riggan_9, PhatCats2014_9, ShiVal_9, Orwigg_9, Slatt_9, Timmi_9, Surely_9, Oosterbaan_9, Spartan300_9, Megatron_9, Lumine_9, Mana_9, Valjean_9, Thora_9, Hetaeria_9, Frankicide_9, Boehler_9, Placalicious_9, KingTut_9, MitKao_9, Badfish_9, Gyarad_009, Iridoclysis_9, Held_9, Simielle_9, Phipps_9, Solosis_9, Potter_9, Sigman_9, Altwerkus_9, Zaidler_10, Nicole21_9, ABU_9, MRabcd_9, IsaacEli_9, Carthage_9, Katniss_9, Scoot17C_9, GreenChile_10, KLucky39_9, Virapocalypse_9, JangoPhett_9, Scrick_9, FriarPreacher_9, Kikipoo_9, Lego3393_9, Vortex_9, Giraffe_9, Mulan_9, Olive_9, Mosaic_9, LeiMonet_9, JacAttac_9, Phunky_9, Hertubise_9, Phamished_9,

Nacho_009, Telesworld_9, Harvey_9, Vaticameos_9, UAch1_9, Manad_9, Lasso_9, TallGrassMM_9, Cornobble_9, Vivaldi_9, Tomlarañ_9

- Track 14 : Colbert_9, Vaishali24_9, Pops_9, Pherdinand_9, Roscoe_10, Riverton_9, TooFast2Furius_10, SallyH_10, Crownjwl_10, Eremos_9, Hamish_9, Lulumae_9, FluffyNinja_9, Childish_9, Prickles_9, RedMaple_9, Yoshand_9, Roy17_9, Squiggle_9, Chipette_10, BlackStallion_9, Tooj_9, Jesabah_9, Newman_9, HSavage_9, RedRaider89_10, Emiris_9, Suffolk_9, KlimbOn_9, Daffy_9, Dione_9, Toni_9, Apizium_9, Bishoperium_9, Banjo_9, Antonia_9, DolOn_11, Mecca_9, Chorkpop_9, Bluephacebaby_9, CheetO_9, Gwilliam_9, EmGer13_9, Daka_9, Squid_9, Inverness_9
- Track 15 : Eugenia_9, FugateOSU_9
- Track 16 : Swish_9
- Track 17 : Adriana_9
- Track 18 : Robyn_9
- Track 19 : NiaNia_10
- Track 20 : LemonSlice_9
- Track 21 : Windsor_9, Chuni_9, Flake_9, Coletti_9, Keitherie_9, SirBeauregard_9, Chute_9, Chaelin_9
- Track 22 : Chunky_9, DirtJuice_9, Roliet_9, Dingo_9, Waterdiva_9, Mikota_9, Morgushi_9, BlueHusk_9
- Track 23 : Swiphy_9, PhatLouie_9
- Track 24 : Trypo_9
- Track 25 : Matalotodo_9, UncleHowie_9, YouGoGlencoco_9
- Track 26 : KingVeVeVe_9, Soto_9, SDcharge11_9
- Track 27 : Kimbrough_9
- Track 28 : Burr_9, Kahve_9, Mutante_9, SassyCat97_9, HighStump_9
- Track 29 : TomBombadil_9
- Track 30 : Cobra_9
- Track 31 : Schadenfreude_9
- Track 32 : Hocus_9, ElvisPhasley_9, Etaye_9, Kiwot_9, Caspiroi_9, Hartsy_9, FleetyMac_9, Inchworm_9, CampRoach_9, LasagnaCat_9, AngelCake_9, Magic8_9
- Track 33 : Lopsy_9
- Track 34 : Basato_10, AltPhacts_9, Mesh1_9, Sheila_9, Horchata_9
- Track 35 : Karn_9
- Track 36 : Morty_9
- Track 37 : Larson_11
- Track 38 : Freya_9, LostAndPhound_9
- Track 39 : OliverWalter_9
- Track 40 : Jiminy_9, Dati_9
- Track 41 : Happabalu_10
- Track 42 : HogWash_9, GeneCoco_9, Vectra_9
- Track 43 : Nathan_9
- Track 44 : Aleia_10, OneBrain_10
- Track 45 : Nehme_9
- Track 46 : Jiraiya_9
- Track 47 : PhrodoBaggins_9
- Track 48 : Maru_9
- Track 49 : Triad_10
- Track 50 : Pinkman_9
- Track 51 : Murdoc_9
- Track 52 : MiniBoss_9
- Track 53 : Lehmann_10
- Track 54 : SilverBell_10

- Track 55 : Imvubu_6
- Track 56 : Indlovu_10
- Track 57 : LilMcDreamy_11
- Track 58 : Zenteno07_14
- Track 59 : BirdsNest_13
- Track 60 : LittleMinkey_15
- Track 61 : Hashim76_14
- Track 62 : Boyle_13, Eaglehorse_13, ItsyBitsy1_13, Lephleur_13, FrenchFry_13, Calamitous_13, Phantasmagoria_13, Faze9_13, Tinciduntolum_14, Kaleb_13, Tres_13, Brownie5_13, Rosebush_13, PrinceCharming_13, Glass_13, West99_13, LilSmirk_13, Kolhan_13, Opia_13, Allegro_13, Sabella_13, Rhinoforte_13, MasterPo_13, Bananafish_13, Holeinone_13, Hedgerow_13, Coffee_13
- Track 63 : LizLemon_13
- Track 64 : Arbiter_13, Ares_13, Blocker23_13
- Track 65 : Kheth_13, Qyrzula_13
- Track 66 : TA17A_13, Lars_13
- Track 67 : Laurie_13
- Track 68 : Vic9_00013
- Track 69 : Godines_13
- Track 70 : Yinz_12
- Track 71 : SynergyX_12, RagingRooster_12, Audrey_12, Compostia_12, Corofin_12, Devonte_12, Chalmers_12, Halfpint_11, Daisy_12, Philly_11, Morty007_12, Casbah_11, Kamiyu_12, Marley1013_12, OrangeOswald_12, RomaT_12, Nozo_12, Tydolla_12, Abinghost_12, Gadget_13, Shenandoah_12
- Track 72 : Jackstina_11
- Track 73 : Olivio_11
- Track 74 : GlenHope_13
- Track 75 : Chentzyk_11, Ben11_11
- Track 76 : Pipefish_12, Obutu_12, Rita1961_12
- Track 77 : Bernardo_12
- Track 78 : HarveySr_12
- Track 79 : Gervas_12, Marlia_12, TinyTerror_12
- Track 80 : Neos5_12
- Track 81 : Mulaychimus_12
- Track 82 : Briakila_12
- Track 83 : Heathcliff_12, Phlyer_12
- Track 84 : Baloo_12, Phayeta_12
- Track 85 : SwainyDoc_12, Kronus_11, Glubnar_12, SlippinJimmy_12
- Track 86 : Athena_13
- Track 87 : ChaChing_12
- Track 88 : Yahalom_12
- Track 89 : Mortcellus_11, MmasiCarm_12, Phaedrus_11
- Track 90 : Akoma_12
- Track 91 : LestyG_12
- Track 92 : Chandler_12
- Track 93 : Deenasa_12
- Track 94 : JAMaL_9
- Track 95 : BobbyK_10, Zemanar_11, JoyceMaria_10, Hangman_10, Waleliano_10
- Track 96 : Apex_9, Heath_10, Mudslide_10, Lolalove_10, Prince_10, BrownCNA_11
- Track 97 : Antihero_9, Lambano_9, Ahwei_9, Epah_9, Poster_9, Hally898_9, GinPorsche_9, Nanao_9
- Track 98 : Austelle_10
- Track 99 : Xincheng_10, JaguarMi_11

- Track 100 : Nigel_8
- Track 101 : VioletZ_10
- Track 102 : Renkei_9, LittleDigger_9
- Track 103 : Fortunato_10
- Track 104 : AlanGrant_11
- Track 105 : Magpie_10
- Track 106 : Cooper_10
- Track 107 : Frederick_10
- Track 108 : Stinger_8
- Track 109 : Vincenzo_11
- Track 110 : RawrgerThat_10
- Track 111 : Hydro_10
- Track 112 : Mithril_10
- Track 113 : Fanaw_10
- Track 114 : ChrisnMich_9
- Track 115 : QueenPie_10
- Track 116 : DigitDog_11
- Track 117 : KarasumaRum_12, StinkyVeggy_12
- Track 118 : Shenyu_11
- Track 119 : Rich_11
- Track 120 : Donny_11, Reccee_11, Rita130_11
- Track 121 : Nehemiah_10, Mysterious_11
- Track 122 : SirJeffery_11, Suigeneris_11
- Track 123 : Phelemich_11
- Track 124 : Acadian_11
- Track 125 : Nangang_11
- Track 126 : Reprobate_11
- Track 127 : Baee_11
- Track 128 : Serendipitous_11
- Track 129 : EastView9101_11
- Track 130 : 40BC_08, 39HC_08
- Track 131 : KayaCho_8
- Track 132 : Hosp_06
- Track 133 : Jolie1_08
- Track 134 : ForDig_8
- Track 135 : Minnow_8
- Track 136 : Saguaro_12
- Track 137 : Thonko_8
- Track 138 : CRB2_12
- Track 139 : PenguinLover67_13
- Track 140 : Knocker_15
- Track 141 : Quesadilla_12
- Track 142 : Funsized_15
- Track 143 : Rinkes_14
- Track 144 : Grumio_42, Sting_41, KingstonB_40
- Track 145 : Makar_43
- Track 146 : Jollymon_42, ColdSoup_43, Amo99_43
- Track 147 : Purplicious_40
- Track 148 : Stillion_41
- Track 149 : Clawz_42
- Track 150 : Soos_38
- Track 151 : DonTron_42
- Track 152 : Evaa_10

- Track 153 : Wooper_11
- Track 154 : JellyBelly_9
- Track 155 : AksarBAT_9
- Track 156 : Shatter_9, Fresco_9, Axumite_9
- Track 157 : TraderJ_11
- Track 158 : CaiB_11
- Track 159 : Ligma_9
- Track 160 : Yago84_8
- Track 161 : Blackpen_11, FelixTres_11
- Track 162 : MakoManhole_11, CloverMinnie_11
- Track 163 : NHagos_9
- Track 164 : Coco2012_9
- Track 165 : Sisko_8, AnClar_8
- Track 166 : Coldpizza_11
- Track 167 : LittleMunchkin_10
- Track 168 : CharlottesWeb_9
- Track 169 : BiggityBass_8
- Track 170 : BobRoss2024_8
- Track 171 : Mariokart_9
- Track 172 : Yeshua_11
- Track 173 : Sour_12
- Track 174 : MossRose_11
- Track 175 : AnarQue_11
- Track 176 : Tonitrus_27
- Track 177 : Pine5_12
- Track 178 : TPA2_18

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 463 of the 477 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

• 39HC_08, 40BC_08, ABU_9, Abinghost_12, AbsoluteMadLad_9, Adriana_9, Aelin_9, Ahwei_9, Akoma_12, AksarBAT_9, AlanGrant_11, Allegro_13, AltPhacts_9, Altwerkus_9, Amo99_43, AnClar_8, AnarQue_11, Anderson_9, Andre_9, AngelCake_9, Antihero_9, Antonia_9, Aonishiki_9, Apex_9, Apizium_9, Arbiter_13, Ares_13, Ashraf_9, Athena_13, Audrey_12, Austelle_10, Axumite_9, Badfish_9, Bae_11, Baloo_12, Bananafish_13, Banjo_9, Basato_10, BatteryCK_9, Beaglebox_9, Ben11_11, Bernardo_12, BiggityBass_8, BirdsNest_13, Bishoperium_9, BlackStallion_9, Blackpen_11, BlacksBerry_9, Blocker23_13, BlueHusk_9, Bluephacebaby_9, BobRoss2024_8, BobbyK_10, Boehler_9, BoogieWoogie_9, Boyle_13, Briakila_12, Brilliant_9, BrownCNA_11, Brownie5_13, Buckeye_9, Burr_9, CRB2_12, CaiB_11, Calamitous_13, CamL_9, CampRoach_9, Cannibal_9, Carthage_9, Casbah_11, Caspiboi_9, ChaChing_12, Chaelin_9, Chah_9, Chalmers_12, Chandler_12, Charles1_9, CharlieGBrown_9, CheetO_9, Chentzyk_11, Cher_9, Childish_9, Chipette_10, Chorkpop_9, ChrisnMich_9, Chuni_9, Chunky_9, Chute_9, Clawz_42, CloverMinnie_11, Cobra_9, Coco2012_9, Coffee_13, Colbert_9, ColdSoup_43, Coldpizza_11, Coletti_9, Compostia_12, Cooper_10, Cornbread_9, Cornobble_9, Corofin_12, Cosmolli16_9, Craff_9,

Crownjwl_10, DaddyDaniels_9, Daffy_9, Daisy_12, Daka_9, Dati_9, Deenasa_12, DelRivs_9, Derpp_9, Devonte_12, Dice_9, Dingo_9, Dione_9, DirtJuice_9, Doddsville_9, DoesntMatter_9, DolOn_11, DonSancho_9, DonTron_42, Donny_11, DuchessDung_9, Duggie_9, Durga_9, Eaglehorse_13, EastView9101_11, ElvisPhasley_9, EmGer13_9, Emiris_9, EmpTee_9, Epah_9, Eremos_9, Etaye_9, Eugenia_9, Evaa_10, Fang_9, Faze9_13, FelixTres_11, Flake_9, FleetyMac_9, FluffyNinja_9, ForDig_8, Fortunato_10, Fozzie_9, Frankicide_9, Frederick_10, FremontTroll_10, FrenchFry_13, Fresco_9, Freya_9, FriarPreacher_9, Fringe_9, FugateOSU_9, Funsized_15, Gadget_13, Gareth_9, GeneCoco_9, Gervas_12, GinPorsche_9, Giraffe_9, Glass_13, GlenHope_13, Glubnar_12, Godines_13, Gophe_9, Grand2040_9, GreenChile_10, Grumio_42, Gwennie1_9, Gwilliam_9, Gyarad_009, HSavage_9, Haimas_9, Haleema_9, Halfpint_11, Hally898_9, Hamish_9, Hangman_10, Hartsy_9, HarveySr_12, Harvey_9, Hashim76_14, Heath_10, Heathcliff_12, Hedgerow_13, Hekos_9, Held_9, HenryJackson_9, Hertubise_9, Hetaeria_9, HighStump_9, Hocus_9, HogWash_9, Holeinone_13, Horchata_9, Hosp_06, Hydro_10, ImtiyazSitla_9, Imvubu_6, Inchworm_9, Indlovu_10, Inverness_9, Iridessa_9, Iridoclysis_9, IsaacEli_9, ItsyBitsy1_13, JAMaL_9, JDog_9, JacAttac_9, JaguarMi_11, JakeO_9, JangoPhett_9, JellyBelly_9, Jesabab_9, Jillium_9, Jiminy_9, Jiraiya_9, Jolie1_08, Jollymon_42, JoyceMaria_10, KLUcky39_9, Kahve_9, Kailash_9, Kaleb_13, Kamiyu_12, KarasumaRum_12, Katniss_9, KayaCho_8, Keitherie_9, Khan1_9, Kheth_13, Kikipoo_9, Kimbrough_9, KingTut_9, KingVeVeVe_9, KingstonB_40, Kiwot_9, KlimbOn_9, Klopinator_9, Knocker_15, Kolhan_13, Kronus_11, Kwadwo_9, Kwksand96_9, Labeouficaum_9, Lambano_9, Lars_13, LasagnaCat_9, Lasso_9, Laurie_13, LeeLot_9, Lego3393_9, Legolas_9, Lehmann_10, LeiMonet_9, LemonSlice_9, Lephleur_13, LestyG_12, LilMcDreamy_11, LilSmirk_13, LittleDigger_9, LittleMinkey_15, LittleMunchkin_10, LizLemon_13, Lolalove_10, Longacauda_9, Lopsy_9, LostAndPhound_9, LuckyMarjie_9, Lulumae_9, Lulwa_9, Lumine_9, MRabcd_9, Mag7_9, Magic8_9, Magpie_10, Makar_43, MakoManhole_11, Mana_9, Manad_9, Mariokart_9, Marley1013_12, Marlia_12, Maru_9, Maskar_9, MasterPo_13, Matalotodo_9, Mcshane_9, Mecca_9, Megamind20_10, Megatron_9, Melc17_9, MelsMeow_9, Mesh1_9, Mesmerelda_9, MichaelPhcott_9, Mikota_9, MiniBoss_9, MitKao_9, Mithril_10, MmasiCarm_12, Morgushi_9, Mortcellus_11, Morty007_12, Morty_9, Mosaic_9, MossRose_11, MrPhizzler_9, Mudslide_10, Mulan_9, Mulaychimus_12, Murdoc_9, Mutante_9, Mysterious_11, NHagos_9, Nacho_009, Nanao_9, Nangang_11, Nathan_9, Nehemiah_10, Nehme_9, Neos5_12, Newman_9, Nicole21_9, Nigel_8, Nova1_9, Nozo_12, NumberTen_9, Nyala_9, OSmaximus_9, Obutu_12, Olak_9, Oline_9, Olive_9, OliverWalter_9, Olivio_11, Omniscient_9, Oosterbaan_9, Opia_13, OrangeOswald_12, Orfeu_9, Orion_9, Orwigg_9, PG1_9, Pacifista_9, PallasAthena_9, PenguinLover67_13, Phaedrux_11, Phamished_9, Phantasmagoria_13, Phareon_9, PhatCats2014_9, PhatLouie_9, Phayeta_12, Phelemich_11, PhenghisKhan_9, Pherdinand_9, Phergie_9, Philly_11, Phipps_9, Phleuron_9, Phlyer_12, PhrankReynolds_9, PhrodoBaggins_9, Phunky_9, Piglet_009, PinheadLarry_9, Pipefish_12, Pipsqueak_9, Placalicious_9, Plata_9, Plmatters_9, Podrick_9, Pops_9, Poster_9, Potter_9, Prickles_9, PrinceCharming_13, Prince_10, ProfessorX_9, Puhltonio_9, Purplicious_40, QueenBeane_9, QueenPie_10, Quesadilla_12, Quisquiliae_9, Qyrzula_13, RagingRooster_12, RawrgerThat_10, Reccee_11, RedMaple_9, RedRaider89_10, Renkei_9, Rhinoforte_13, Rich_11, Ricotta_9, Riggan_9, Rimu_9, Rinkes_14, Rita130_11, Rita1961_12, Riverton_9, Robyn_9, Roliet_9, RomaT_12, Roscoe_10, Rosebush_13, Roy17_9, SDcharge11_9, Sabella_13, Saguaro_12, Salazzele_9, SallyH_10, Samaymay_9, SassyCat97_9, Schadenfreude_9, Schueller_9, Scoot17C_9, Scrick_9, Selr12_9, Serendipitous_11, Serendipity_9, Serpentine_009,

ShadowBud_9, Shatter_9, Sheila_9, Shenandoah_12, ShiVal_9, Sigman_9, Simielle_9, SirBeauregard_9, SirJeffery_11, Sisko_8, Skippy_9, Slatt_9, SlippinJimmy_12, Soile_9, Solosis_9, Soos_38, Sophia_9, Soto_9, Sour_12, Spartan300_9, Squid_9, Squiggle_9, Stillion_41, Sting_41, Stinger_8, StinkyVeggy_12, Struggle_9, Suffolk_9, Suigeneris_11, Surely_9, SwainyDoc_12, Swiphy_9, SynergyX_12, TA17A_13, TallGrassMM_9, Telesworld_9, Thonko_8, Thora_9, ThreeOh3D2_9, Thunderbird_9, Timmi_9, Tinciduntsum_14, TinyTerror_12, TomBombadil_9, Tomlarah_9, Toni_9, TooFast2Furius_10, Tooj_9, TraderJ_11, Tres_13, True_9, Trypo_9, Tydolla_12, TyrionL_9, UAch1_9, UncleHowie_9, Usavi_9, Vaishali24_9, Valjean_9, Vaticameos_9, Vectra_9, Veritas_9, Vic9_00013, VioletZ_10, Virapocalypse_9, Virgeve_9, Vista_9, Vivaldi_9, Vortex_9, Waleliano_10, Wallhey_9, Waterdiva_9, Weher20_9, West99_13, Windsor_9, Wooper_11, Xavier_9, Xincheng_10, Yahalom_12, Yeshua_11, Yinz_12, Yoshand_9, YouGoGlencoco_9, Zaider_10, Zelda_9, Zemanar_11, Zenteno07_14, Zonia_9,

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

- Acadian_11, Aleia_10, CharlottesWeb_9, DigitDog_11, Fanaw_10, Happabalu_10, Jackstina_11, Jbug01_10, Karn_9, Larson_11, Ligma_9, Minnow_8, NiaNia_10, OneBrain_10, Pinkman_9, Reprobate_11, Shenyu_11, SilverBell_10, Swish_9, TPA2_18, Taraxa_10, Triad_10, Vincenzo_11, Yago84_8,

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

- Caterpie_7, Dori_8, JohnLord_8, Mao1_7, Mask_8, Pine5_12, Sejanus_8, Tonitrus_27,

Summary by start number:

Start 2:

- Found in 6 of 546 (1.1%) of genes in pham
- Manual Annotations of this start: 1 of 477
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Caterpie_7 (AD), Dori_8 (AD), JohnLord_8 (AD),

Start 3:

- Found in 6 of 546 (1.1%) of genes in pham
- Manual Annotations of this start: 3 of 477
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Mao1_7 (AD), Mask_8 (AD), Sejanus_8 (AD),

Start 26:

- Found in 1 of 546 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 477
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Tonitrus_27 (singleton),

Start 27:

- Found in 1 of 546 (0.2%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: TPA2_18 (singleton),

Start 28:

- Found in 6 of 546 (1.1%) of genes in pham
- Manual Annotations of this start: 1 of 477
- Called 16.7% of time when present
- Phage (with cluster) where this start called: Vincenzo_11 (B4),

Start 29:

- Found in 19 of 546 (3.5%) of genes in pham
- Manual Annotations of this start: 2 of 477
- Called 15.8% of time when present
- Phage (with cluster) where this start called: Acadian_11 (B5), Pine5_12 (singleton), Reprobate_11 (B5),

Start 30:

- Found in 538 of 546 (98.5%) of genes in pham
- Manual Annotations of this start: 463 of 477
- Called 95.5% of time when present
- Phage (with cluster) where this start called: 39HC_08 (B6), 40BC_08 (B6), ABU_9 (B1), Abinghost_12 (B3), AbsoluteMadLad_9 (B1), Adriana_9 (B1), Aelin_9 (B1), Ahwei_9 (B4), Akoma_12 (B3), AksarBAT_9 (DR), AlanGrant_11 (B4), Allegro_13 (B2), AltPhacts_9 (B1), Altwerkus_9 (B1), Amo99_43 (CP), AnClar_8 (DR), AnarQue_11 (DR), Anderson_9 (B1), Andre_9 (B1), AngelCake_9 (B1), Antihero_9 (B4), Antonia_9 (B1), Aonishiki_9 (B1), Apex_9 (B4), Apizium_9 (B1), Arbiter_13 (B2), Ares_13 (B2), Ashraf_9 (B1), Athena_13 (B3), Audrey_12 (B3), Austelle_10 (B4), Axumite_9 (DR), Badfish_9 (B1), Bae_11 (B5), Baloo_12 (B3), Bananafish_13 (B2), Banjo_9 (B1), Basato_10 (B1), BatteryCK_9 (B1), Beaglebox_9 (B1), Ben11_11 (B3), Bernardo_12 (B3), BiggityBass_8 (DR), BirdsNest_13 (B13), Bishopperium_9 (B1), BlackStallion_9 (B1), Blackpen_11 (DR), BlacksBerry_9 (B1), Blocker23_13 (B2), BlueHusk_9 (B1), Bluephacebaby_9 (B1), BobRoss2024_8 (DR), BobbyK_10 (B4), Boehler_9 (B1), BoogieWoogie_9 (B1), Boyle_13 (B2), Briakila_12 (B3), Brilliant_9 (B1), BrownCNA_11 (B4), Brownie5_13 (B2), Buckeye_9 (B1), Burr_9 (B1), CRB2_12 (B9), CaiB_11 (DR), Calamitous_13 (B2), CamL_9 (B1), CampRoach_9 (B1), Cannibal_9 (B1), Carthage_9 (B1), Casbah_11 (B3), Caspiboi_9 (B1), ChaChing_12 (B3), Chaelin_9 (B1), Chah_9 (B1), Chalmers_12 (B3), Chandler_12 (B3), Charles1_9 (B1), CharlieGBrown_9 (B1), CheetO_9 (B1), Chentzyk_11 (B3), Cher_9 (B1), Childish_9 (B1), Chipette_10 (B1), Chorkpop_9 (B1), ChrisnMich_9 (B4), Chuni_9 (B1), Chunky_9 (B1), Chute_9 (B1), Clawz_42 (CP), CloverMinnie_11 (DR), Cobra_9 (B1), Coco2012_9 (DR), Coffee_13 (B2), Colbert_9 (B1), ColdSoup_43 (CP), Coldpizza_11 (DR), Coletti_9 (B1), Compostia_12 (B3), Cooper_10 (B4), Cornbread_9 (B1), Cornobble_9 (B1), Corofin_12 (B3), Cosmolli16_9 (B1), Craff_9 (B1), Crownjwl_10 (B1), DaddyDaniels_9 (B1), Daffy_9 (B1), Daisy_12 (B3), Daka_9 (B1), Dati_9 (B1), Deenasa_12 (B3), DelRivs_9 (B1), Derpp_9 (B1), Devonte_12 (B3), Dice_9 (B1), Dingo_9 (B1), Dione_9 (B1), DirtJuice_9 (B1), Doddsville_9 (B1), DoesntMatter_9 (B1), DolOn_11 (B1), DonSancho_9 (B1), DonTron_42 (CP), Donny_11 (B5), DuchessDung_9 (B1), Duggie_9 (B1), Durga_9 (B1), Eaglehorse_13 (B2), EastView9101_11 (B5), ElvisPhasley_9 (B1), EmGer13_9 (B1), Emiris_9 (B1), EmpTee_9 (B1), Epah_9 (B4), Eremos_9 (B1), Etaye_9 (B1), Eugenia_9 (B1), Evaa_10 (DR), Fang_9 (B1), Faze9_13 (B2), FelixTres_11 (DR), Flake_9 (B1), FleetyMac_9 (B1), FluffyNinja_9 (B1), ForDig_8 (B6), Fortunato_10 (B4), Fozzie_9 (B1), Frankicide_9 (B1), Frederick_10 (B4), FremontTroll_10 (B1), FrenchFry_13 (B2), Fresco_9 (DR), Freya_9 (B1), FriarPreacher_9 (B1), Fringe_9 (B1), FugateOSU_9 (B1), Funsized_15 (B9), Gadget_13 (B3), Gareth_9 (B1), GeneCoco_9

(B1), Gervas_12 (B3), GinPorsche_9 (B4), Giraffe_9 (B1), Glass_13 (B2), GlenHope_13 (B3), Glubnar_12 (B3), Godines_13 (B2), Gophee_9 (B1), Grand2040_9 (B1), GreenChile_10 (B1), Grumio_42 (CP), Gwennie1_9 (B1), Gwilliam_9 (B1), Gyarad_009 (B1), HSavage_9 (B1), Haimas_9 (B1), Haleema_9 (B1), Halfpint_11 (B3), Hally898_9 (B4), Hamish_9 (B1), Hangman_10 (B4), Hartsy_9 (B1), HarveySr_12 (B3), Harvey_9 (B1), Hashim76_14 (B13), Heath_10 (B4), Heathcliff_12 (B3), Hedgerow_13 (B2), Hekos_9 (B1), Held_9 (B1), HenryJackson_9 (B1), Hertubise_9 (B1), Hetaeria_9 (B1), HighStump_9 (B1), Hocus_9 (B1), HogWash_9 (B1), Holeinone_13 (B2), Horchata_9 (B1), Hosp_06 (B6), Hydro_10 (B4), ImtiyazSitla_9 (B1), Imvubu_6 (B10), Inchworm_9 (B1), Indlovu_10 (B11), Inverness_9 (B1), Iridessa_9 (B1), Iridoclysis_9 (B1), IsaacEli_9 (B1), ItsyBitsy1_13 (B2), JAMaL_9 (B4), JDog_9 (B1), JacAttac_9 (B1), JaguarMi_11 (B4), JakeO_9 (B1), JangoPhett_9 (B1), JellyBelly_9 (DR), Jesabah_9 (B1), Jillium_9 (B1), Jiminy_9 (B1), Jiraiya_9 (B1), Jolie1_08 (B6), Jollymon_42 (CP), JoyceMaria_10 (B4), KLUcky39_9 (B1), Kahve_9 (B1), Kailash_9 (B1), Kaleb_13 (B2), Kamiyu_12 (B3), KarasumaRum_12 (B5), Katniss_9 (B1), KayaCho_8 (B6), Keitherie_9 (B1), Khan1_9 (B1), Kheth_13 (B2), Kikipoo_9 (B1), Kimbrough_9 (B1), KingTut_9 (B1), KingVeVeVe_9 (B1), KingstonB_40 (CP), Kiwot_9 (B1), KlimbOn_9 (B1), Kloppinator_9 (B1), Knocker_15 (B9), Kolhan_13 (B2), Kronus_11 (B3), Kwadwo_9 (B1), Kwksand96_9 (B1), Labeouficaum_9 (B1), Lambano_9 (B4), Lars_13 (B2), LasagnaCat_9 (B1), Lasso_9 (B1), Laurie_13 (B2), LeeLot_9 (B1), Lego3393_9 (B1), Legolas_9 (B1), Lehmann_10 (B1), LeiMonet_9 (B1), LemonSlice_9 (B1), Lephleur_13 (B2), LestyG_12 (B3), LilMcDreamy_11 (B12), LilSmirk_13 (B2), LittleDigger_9 (B4), LittleMinkey_15 (B13), LittleMunchkin_10 (DR), LizLemon_13 (B2), Lolalove_10 (B4), Longacauda_9 (B1), Lopsy_9 (B1), LostAndPhound_9 (B1), LuckyMarjie_9 (B1), Lulumae_9 (B1), Lulwa_9 (B1), Lumine_9 (B1), MRabcd_9 (B1), Mag7_9 (B1), Magic8_9 (B1), Magpie_10 (B4), Makar_43 (CP), MakoManhole_11 (DR), Mana_9 (B1), Manad_9 (B1), Mariokart_9 (DR), Marley1013_12 (B3), Marlia_12 (B3), Maru_9 (B1), Maskar_9 (B1), MasterPo_13 (B2), Matalotodo_9 (B1), Mcshane_9 (B1), Mecca_9 (B1), Megamind20_10 (B1), Megatron_9 (B1), Melc17_9 (B1), MelsMeow_9 (B1), Mesh1_9 (B1), Mesmerelda_9 (B1), MichaelPhcott_9 (B1), Mikota_9 (B1), MiniBoss_9 (B1), MitKao_9 (B1), Mithril_10 (B4), MmasiCarm_12 (B3), Morgushi_9 (B1), Mortcellus_11 (B3), Morty007_12 (B3), Morty_9 (B1), Mosaic_9 (B1), MossRose_11 (DR), MrPhizzler_9 (B1), Mudslide_10 (B4), Mulan_9 (B1), Mulaychimus_12 (B3), Murdoc_9 (B1), Mutante_9 (B1), Mysterious_11 (B5), NHagos_9 (DR), Nacho_009 (B1), Nanao_9 (B4), Nangang_11 (B5), Nathan_9 (B1), Nehemiah_10 (B5), Nehme_9 (B1), Neos5_12 (B3), Newman_9 (B1), Nicole21_9 (B1), Nigel_8 (B4), Nova1_9 (B1), Nozo_12 (B3), Numberten_9 (B1), Nyala_9 (B1), OSmaximus_9 (B1), Obutu_12 (B3), Olak_9 (B1), Oline_9 (B1), Olive_9 (B1), OliverWalter_9 (B1), Olivio_11 (B3), Omniscient_9 (B1), Oosterbaan_9 (B1), Opia_13 (B2), OrangeOswald_12 (B3), Orfeu_9 (B1), Orion_9 (B1), Orwigg_9 (B1), PG1_9 (B1), Pacifista_9 (B1), PallasAthena_9 (B1), PenguinLover67_13 (B9), Phaedrüs_11 (B3), Phamished_9 (B1), Phantasmagoria_13 (B2), Phareon_9 (B1), PhatCats2014_9 (B1), PhatLouie_9 (B1), Phayeta_12 (B3), Phelemich_11 (B5), PhenghisKhan_9 (B1), Pherdinand_9 (B1), Phergie_9 (B1), Philly_11 (B3), Phipps_9 (B1), Phleuron_9 (B1), Phlyer_12 (B3), PhrankReynolds_9 (B1), PhrodoBaggins_9 (B1), Phunky_9 (B1), Piglet_009 (B1), PinheadLarry_9 (B1), Pipefish_12 (B3), Pipsqueak_9 (B1), Placalicious_9 (B1), Plata_9 (B1), Plmatters_9 (B1), Podrick_9 (B1), Pops_9 (B1), Poster_9 (B4), Potter_9 (B1), Prickles_9 (B1), PrinceCharming_13 (B2), Prince_10 (B4), ProfessorX_9 (B1), Puhltonio_9 (B1), Purplicious_40 (CP), QueenBeane_9 (B1), QueenPie_10 (B4), Quesadilla_12 (B9), Quisquiliae_9 (B1), Qyrzula_13 (B2), RagingRooster_12 (B3), RawrgerThat_10 (B4), Reccee_11 (B5), RedMaple_9 (B1), RedRaider89_10 (B1), Renkei_9 (B4), Rhinoforte_13 (B2), Rich_11 (B5), Ricotta_9

(B1), Riggan_9 (B1), Rimu_9 (B1), Rinkes_14 (B9), Rita130_11 (B5), Rita1961_12 (B3), Riverton_9 (B1), Robyn_9 (B1), Roliet_9 (B1), RomaT_12 (B3), Roscoe_10 (B1), Rosebush_13 (B2), Roy17_9 (B1), SDcharge11_9 (B1), Sabella_13 (B2), Saguario_12 (B7), Salazzle_9 (B1), SallyH_10 (B1), Samaymay_9 (B1), SassyCat97_9 (B1), Schadenfreude_9 (B1), Schueller_9 (B1), Scoot17C_9 (B1), Scrick_9 (B1), Selr12_9 (B1), Serendipitous_11 (B5), Serendipity_9 (B1), Serpentine_009 (B1), ShadowBud_9 (B1), Shatter_9 (DR), Sheila_9 (B1), Shenandoah_12 (B3), ShiVal_9 (B1), Sigman_9 (B1), Simielle_9 (B1), SirBeauregard_9 (B1), SirJeffery_11 (B5), Sisko_8 (DR), Skippy_9 (B1), Slatt_9 (B1), SlippinJimmy_12 (B3), Soile_9 (B1), Solosis_9 (B1), Soos_38 (CP), Sophia_9 (B1), Soto_9 (B1), Sour_12 (DR), Spartan300_9 (B1), Squid_9 (B1), Squiggle_9 (B1), Stillion_41 (CP), Sting_41 (CP), Stinger_8 (B4), StinkyVeggy_12 (B5), Struggle_9 (B1), Suffolk_9 (B1), Suigeneris_11 (B5), Surely_9 (B1), SwainyDoc_12 (B3), Swiphy_9 (B1), SynergyX_12 (B3), TA17A_13 (B2), TallGrassMM_9 (B1), Telesworld_9 (B1), Thonko_8 (B8), Thora_9 (B1), ThreeOh3D2_9 (B1), Thunderbird_9 (B1), Timmi_9 (B1), Tinciduntolum_14 (B2), TinyTerror_12 (B3), TomBombadil_9 (B1), TomLarah_9 (B1), Toni_9 (B1), TooFast2Furius_10 (B1), Tooj_9 (B1), TraderJ_11 (DR), Tres_13 (B2), True_9 (B1), Trypo_9 (B1), Tydolla_12 (B3), TyrionL_9 (B1), UAch1_9 (B1), UncleHowie_9 (B1), Usavi_9 (B1), Vaishali24_9 (B1), Valjean_9 (B1), Vaticameos_9 (B1), Vectra_9 (B1), Veritas_9 (B1), Vic9_00013 (B2), VioletZ_10 (B4), Virapocalypse_9 (B1), Virgeve_9 (B1), Vista_9 (B1), Vivaldi_9 (B1), Vortex_9 (B1), Waleliano_10 (B4), Wallhey_9 (B1), Waterdiva_9 (B1), Weher20_9 (B1), West99_13 (B2), Windsor_9 (B1), Wooper_11 (DR), Xavier_9 (B1), Xincheng_10 (B4), Yahalom_12 (B3), Yeshua_11 (DR), Yinz_12 (B3), Yoshand_9 (B1), YouGoGlencoco_9 (B1), Zaider_10 (B1), Zelda_9 (B1), Zemanar_11 (B4), Zenteno07_14 (B13), Zonia_9 (B1),

Start 31:

- Found in 9 of 546 (1.6%) of genes in pham
- Manual Annotations of this start: 1 of 477
- Called 11.1% of time when present
- Phage (with cluster) where this start called: CharlottesWeb_9 (DR),

Start 35:

- Found in 14 of 546 (2.6%) of genes in pham
- Manual Annotations of this start: 1 of 477
- Called 7.1% of time when present
- Phage (with cluster) where this start called: Ligma_9 (DR),

Start 49:

- Found in 65 of 546 (11.9%) of genes in pham
- Manual Annotations of this start: 2 of 477
- Called 3.1% of time when present
- Phage (with cluster) where this start called: Jackstina_11 (B3), Yago84_8 (DR),

Start 50:

- Found in 377 of 546 (69.0%) of genes in pham
- Manual Annotations of this start: 1 of 477
- Called 0.3% of time when present
- Phage (with cluster) where this start called: Swish_9 (B1),

Start 65:

- Found in 389 of 546 (71.2%) of genes in pham

- No Manual Annotations of this start.
- Called 0.3% of time when present
- Phage (with cluster) where this start called: Karn_9 (B1),

Start 113:

- Found in 320 of 546 (58.6%) of genes in pham
- No Manual Annotations of this start.
- Called 0.6% of time when present
- Phage (with cluster) where this start called: Happabalu_10 (B1), Triad_10 (B1),

Start 114:

- Found in 321 of 546 (58.8%) of genes in pham
- Manual Annotations of this start: 1 of 477
- Called 1.6% of time when present
- Phage (with cluster) where this start called: Aleia_10 (B1), Larson_11 (B1), OneBrain_10 (B1), Pinkman_9 (B1), SilverBell_10 (B1),

Start 122:

- Found in 355 of 546 (65.0%) of genes in pham
- No Manual Annotations of this start.
- Called 0.8% of time when present
- Phage (with cluster) where this start called: Jbug01_10 (B1), NiaNia_10 (B1), Taraxa_10 (B1),

Start 124:

- Found in 41 of 546 (7.5%) of genes in pham
- No Manual Annotations of this start.
- Called 2.4% of time when present
- Phage (with cluster) where this start called: Shenyu_11 (B5),

Start 135:

- Found in 17 of 546 (3.1%) of genes in pham
- No Manual Annotations of this start.
- Called 5.9% of time when present
- Phage (with cluster) where this start called: DigitDog_11 (B5),

Start 143:

- Found in 94 of 546 (17.2%) of genes in pham
- No Manual Annotations of this start.
- Called 2.1% of time when present
- Phage (with cluster) where this start called: Fanaw_10 (B4), Minnow_8 (B6),

Summary by clusters:

There are 17 clusters represented in this pham: singleton, B10, B8, B11, B4, B5, B6, B7, B12, B1, B2, B3, AD, CP, DR, B9, B13,

Info for manual annotations of cluster AD:

- Start number 2 was manually annotated 1 time for cluster AD.
- Start number 3 was manually annotated 3 times for cluster AD.

Info for manual annotations of cluster B1:

- Start number 30 was manually annotated 294 times for cluster B1.

- Start number 50 was manually annotated 1 time for cluster B1.
- Start number 114 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 52 times for cluster B3.
- Start number 49 was manually annotated 1 time for cluster B3.

Info for manual annotations of cluster B4:

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

Info for manual annotations of cluster B5:

- Start number 29 was manually annotated 2 times for cluster B5.
- Start number 30 was manually annotated 9 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 CP:

- Start number 30 was manually annotated 7 times for cluster CP.

Info for manual annotations of cluster DR:

- Start number 30 was manually annotated 20 times for cluster DR.
- Start number 31 was manually annotated 1 time for cluster DR.
- Start number 35 was manually annotated 1 time for cluster DR.
- Start number 49 was manually annotated 1 time for cluster DR.

Gene Information:

Gene: 39HC_08 Start: 7124, Stop: 9544, Start Num: 30

Candidate Starts for 39HC_08:

(Start: 30 @7124 has 463 MA's), (60, 7247), (63, 7262), (65, 7283), (76, 7325), (89, 7358), (91, 7364), (115, 7439), (138, 7490), (140, 7502), (152, 7553), (155, 7574), (160, 7595), (164, 7619), (178, 7667), (186, 7703), (192, 7736), (200, 7769), (202, 7784), (203, 7787), (228, 8033), (231, 8072), (243, 8225), (264, 8237), (267, 8258), (271, 8294), (276, 8321), (280, 8345), (285, 8375), (294, 8447), (302, 8498), (306, 8537), (308, 8543), (318, 8594), (323, 8618), (329, 8651), (330, 8678), (333, 8714), (335, 8723), (340, 8756), (346, 8822), (351, 8900), (352, 8903), (357, 8954), (368, 9044), (377, 9125), (380, 9161), (391, 9257), (393, 9290), (395, 9299), (408, 9380), (412, 9392), (439, 9512),

Gene: 40BC_08 Start: 7124, Stop: 9544, Start Num: 30

Candidate Starts for 40BC_08:

(Start: 30 @7124 has 463 MA's), (60, 7247), (63, 7262), (65, 7283), (76, 7325), (89, 7358), (91, 7364), (115, 7439), (138, 7490), (140, 7502), (152, 7553), (155, 7574), (160, 7595), (164, 7619), (178, 7667), (186, 7703), (192, 7736), (200, 7769), (202, 7784), (203, 7787), (228, 8033), (231, 8072), (243, 8225), (264, 8237), (267, 8258), (271, 8294), (276, 8321), (280, 8345), (285, 8375), (294, 8447), (302, 8498), (306, 8537), (308, 8543), (318, 8594), (323, 8618), (329, 8651), (330, 8678), (333, 8714), (335, 8723), (340, 8756), (346, 8822), (351, 8900), (352, 8903), (357, 8954), (368, 9044), (377, 9125), (380, 9161), (391, 9257), (393, 9290), (395, 9299), (408, 9380), (412, 9392), (439, 9512),

Gene: ABU_9 Start: 6358, Stop: 8931, Start Num: 30

Candidate Starts for ABU_9:

(22, 6229), (Start: 30 @6358 has 463 MA's), (40, 6409), (42, 6421), (45, 6436), (Start: 50 @6460 has 1 MA's), (65, 6520), (71, 6541), (94, 6613), (101, 6643), (113, 6721), (Start: 114 @6736 has 1 MA's), (122, 6772), (128, 6787), (133, 6808), (158, 6928), (159, 6934), (160, 6937), (167, 6976), (179, 7048), (185, 7072), (186, 7081), (189, 7102), (200, 7147), (202, 7162), (211, 7210), (215, 7225), (231, 7450), (238, 7549), (243, 7594), (271, 7672), (276, 7699), (280, 7723), (292, 7807), (302, 7876), (320, 7981), (321, 7984), (328, 8023), (329, 8026), (334, 8095), (335, 8098), (340, 8131), (346, 8188), (350, 8251), (352, 8269), (357, 8320), (361, 8350), (368, 8410), (371, 8449), (375, 8482), (377, 8491), (380, 8527), (388, 8596), (395, 8665), (402, 8731),

Gene: Abinghost_12 Start: 8208, Stop: 10640, Start Num: 30

Candidate Starts for Abinghost_12:

(Start: 30 @8208 has 463 MA's), (Start: 49 @8307 has 2 MA's), (Start: 50 @8310 has 1 MA's), (62, 8355), (65, 8379), (66, 8382), (77, 8427), (92, 8466), (105, 8517), (118, 8547), (132, 8577), (140, 8604), (142, 8610), (155, 8676), (183, 8760), (185, 8766), (186, 8775), (187, 8778), (190, 8799), (202, 8856), (220, 9012), (223, 9072), (243, 9294), (271, 9390), (280, 9441), (288, 9492), (310, 9654), (320, 9711), (321, 9714), (323, 9723), (334, 9825), (346, 9918), (352, 9999), (380, 10257), (386, 10317), (389, 10332), (393, 10386), (405, 10470), (407, 10482), (425, 10551),

Gene: AbsoluteMadLad_9 Start: 6356, Stop: 8929, Start Num: 30

Candidate Starts for AbsoluteMadLad_9:

(22, 6227), (Start: 30 @6356 has 463 MA's), (40, 6407), (42, 6419), (45, 6434), (Start: 50 @6458 has 1 MA's), (65, 6518), (71, 6539), (89, 6593), (94, 6611), (101, 6641), (113, 6719), (Start: 114 @6734 has 1 MA's), (122, 6770), (128, 6785), (133, 6806), (158, 6926), (159, 6932), (160, 6935), (167, 6974), (179, 7046), (185, 7070), (186, 7079), (189, 7100), (200, 7145), (202, 7160), (211, 7208), (215, 7223), (231, 7448), (238, 7547), (243, 7592), (271, 7670), (276, 7697), (280, 7721), (292, 7805), (302, 7874), (320, 7979), (321, 7982), (328, 8021), (329, 8024), (334, 8093), (335, 8096), (340, 8129), (346, 8186), (350, 8249), (352, 8267), (357, 8318), (361, 8348), (368, 8408), (371, 8447), (375, 8480), (377, 8489), (380, 8525), (388, 8594), (395, 8663), (402, 8729),

Gene: Acadian_11 Start: 8555, Stop: 11068, Start Num: 29

Candidate Starts for Acadian_11:

(Start: 29 @8555 has 2 MA's), (Start: 30 @8558 has 463 MA's), (41, 8612), (45, 8636), (53, 8669), (61, 8690), (63, 8705), (112, 8879), (124, 8894), (129, 8906), (135, 8927), (143, 8957), (160, 9041), (164, 9065), (185, 9155), (186, 9164), (187, 9167), (190, 9188), (243, 9665), (266, 9794), (270, 9812), (271, 9833), (280, 9884), (281, 9890), (292, 9977), (317, 10136), (320, 10154), (329, 10199), (340, 10304), (341, 10319), (346, 10361), (352, 10442), (361, 10523), (364, 10565), (371, 10622), (372, 10628), (377, 10664), (380, 10700), (386, 10760), (393, 10829), (410, 10916),

Gene: Adriana_9 Start: 6360, Stop: 8933, Start Num: 30

Candidate Starts for Adriana_9:

(22, 6231), (Start: 30 @6360 has 463 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (89, 6597), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (395, 8667), (402, 8733),

Gene: Aelin_9 Start: 6360, Stop: 8930, Start Num: 30

Candidate Starts for Aelin_9:

(22, 6231), (Start: 30 @6360 has 463 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (89, 6597), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Ahwei_9 Start: 7532, Stop: 10039, Start Num: 30

Candidate Starts for Ahwei_9:

(Start: 30 @7532 has 463 MA's), (39, 7574), (44, 7607), (63, 7697), (76, 7760), (81, 7775), (85, 7784), (89, 7793), (94, 7811), (95, 7820), (101, 7832), (106, 7847), (143, 7949), (145, 7958), (152, 7991), (155, 8012), (157, 8021), (159, 8030), (160, 8033), (164, 8057), (165, 8066), (167, 8072), (171, 8096), (174, 8114), (176, 8120), (178, 8129), (186, 8165), (192, 8198), (202, 8246), (203, 8249), (211, 8288), (219, 8387), (243, 8663), (271, 8804), (276, 8831), (279, 8852), (280, 8855), (287, 8900), (290, 8924), (302, 9008), (317, 9098), (320, 9116), (328, 9158), (330, 9188), (335, 9233), (340, 9266), (341, 9281), (346, 9323), (348, 9344), (351, 9401), (352, 9404), (355, 9434), (357, 9455), (361, 9485), (363, 9500), (364, 9527), (367, 9539), (371, 9584), (372, 9590), (377, 9626), (380, 9662), (386, 9722), (389, 9737), (391, 9758), (395, 9800), (410, 9881), (415, 9893), (434, 9974), (436, 9995),

Gene: Akoma_12 Start: 8208, Stop: 10640, Start Num: 30

Candidate Starts for Akoma_12:

(Start: 30 @8208 has 463 MA's), (Start: 49 @8307 has 2 MA's), (Start: 50 @8310 has 1 MA's), (62, 8355), (65, 8379), (66, 8382), (73, 8412), (77, 8427), (92, 8466), (105, 8517), (118, 8547), (132, 8577), (140, 8604), (142, 8610), (155, 8676), (185, 8766), (186, 8775), (187, 8778), (190, 8799), (202, 8856), (211, 8910), (220, 9012), (223, 9072), (226, 9099), (243, 9294), (271, 9390), (280, 9441), (288, 9492), (310, 9654), (321, 9714), (323, 9723), (334, 9825), (346, 9918), (352, 9999), (380, 10257), (386, 10317), (389, 10332), (393, 10386), (405, 10470), (407, 10482), (425, 10551),

Gene: AksarBAT_9 Start: 7095, Stop: 9509, Start Num: 30

Candidate Starts for AksarBAT_9:

(Start: 30 @7095 has 463 MA's), (36, 7125), (53, 7200), (77, 7302), (78, 7305), (84, 7320), (85, 7323), (90, 7341), (119, 7419), (149, 7527), (157, 7569), (166, 7614), (181, 7626), (182, 7632), (183, 7638), (187, 7656), (188, 7659), (195, 7695), (202, 7734), (216, 7842), (242, 8154), (263, 8229), (266, 8253), (267, 8256), (268, 8262), (271, 8292), (277, 8328), (280, 8343), (281, 8349), (284, 8364), (288, 8394), (292, 8427), (295, 8448), (306, 8535), (318, 8592), (320, 8604), (350, 8874), (351, 8889), (357, 8943), (368, 9033), (377, 9114), (381, 9156), (410, 9360), (423, 9414), (425, 9420),

Gene: AlanGrant_11 Start: 9357, Stop: 11855, Start Num: 30

Candidate Starts for AlanGrant_11:

(Start: 28 @9351 has 1 MA's), (Start: 30 @9357 has 463 MA's), (39, 9399), (63, 9522), (81, 9600), (89, 9618), (94, 9636), (95, 9645), (140, 9765), (145, 9783), (152, 9816), (155, 9837), (159, 9855), (160, 9858), (164, 9882), (167, 9897), (171, 9921), (172, 9927), (174, 9939), (180, 9960), (186, 9990), (202, 10071), (203, 10074), (222, 10254), (231, 10353), (243, 10488), (270, 10599), (271, 10620), (276, 10647), (279, 10668), (280, 10671), (292, 10755), (306, 10863), (317, 10914), (320, 10932), (328, 10974), (329, 10977), (330, 11004), (346, 11139), (351, 11217), (352, 11220), (357, 11271), (361, 11301), (377, 11442), (391, 11574), (392, 11595), (394, 11613), (395, 11616), (404, 11667), (410, 11694), (424, 11751),

Gene: Aleia_10 Start: 6737, Stop: 8947, Start Num: 114

Candidate Starts for Aleia_10:

(22, 6230), (Start: 30 @6359 has 463 MA's), (40, 6410), (42, 6422), (45, 6437), (Start: 50 @6461 has 1 MA's), (65, 6521), (71, 6542), (94, 6614), (101, 6644), (113, 6722), (Start: 114 @6737 has 1 MA's), (122, 6773), (128, 6788), (133, 6809), (158, 6929), (159, 6935), (160, 6938), (167, 6977), (179, 7049), (185, 7073), (186, 7082), (189, 7103), (200, 7148), (202, 7163), (209, 7199), (211, 7211), (215, 7226), (231, 7451), (238, 7550), (243, 7595), (271, 7673), (276, 7700), (280, 7724), (292, 7808), (302, 7877), (313, 7955), (320, 7982), (321, 7985), (328, 8024), (329, 8027), (334, 8096), (335, 8099), (340, 8132), (346, 8189), (350, 8252), (352, 8270), (357, 8321), (361, 8351), (368, 8411), (371, 8450), (375, 8483), (377, 8492), (380, 8528), (395, 8666), (402, 8732),

Gene: Allegro_13 Start: 9617, Stop: 12064, Start Num: 30

Candidate Starts for Allegro_13:

(Start: 30 @9617 has 463 MA's), (41, 9671), (54, 9731), (76, 9824), (78, 9830), (84, 9845), (91, 9866), (96, 9896), (116, 9977), (117, 9980), (120, 9989), (131, 10016), (137, 10043), (157, 10115), (160, 10127), (164, 10145), (167, 10151), (178, 10214), (190, 10259), (200, 10301), (205, 10331), (222, 10502), (223, 10523), (224, 10529), (231, 10601), (236, 10664), (241, 10742), (244, 10748), (266, 10799), (271, 10838), (275, 10859), (276, 10865), (280, 10889), (288, 10940), (289, 10943), (292, 10973), (300, 11030), (302, 11042), (303, 11057), (307, 11084), (314, 11126), (323, 11171), (324, 11174), (329, 11204), (333, 11267), (334, 11273), (335, 11276), (338, 11288), (348, 11384), (350, 11426), (357, 11495), (364, 11573), (370, 11627), (377, 11672), (378, 11675), (379, 11702), (386, 11768), (389, 11783), (391, 11804), (394, 11843), (404, 11897), (410, 11924), (415, 11936), (427, 11984),

Gene: AltPhacts_9 Start: 6361, Stop: 8934, Start Num: 30

Candidate Starts for AltPhacts_9:

(22, 6232), (Start: 30 @6361 has 463 MA's), (40, 6412), (42, 6424), (45, 6439), (Start: 50 @6463 has 1 MA's), (65, 6523), (71, 6544), (94, 6616), (101, 6646), (113, 6724), (Start: 114 @6739 has 1 MA's), (122, 6775), (128, 6790), (133, 6811), (158, 6931), (159, 6937), (160, 6940), (167, 6979), (179, 7051), (185, 7075), (186, 7084), (189, 7105), (200, 7150), (202, 7165), (209, 7201), (211, 7213), (215, 7228), (231, 7453), (238, 7552), (243, 7597), (271, 7675), (276, 7702), (280, 7726), (292, 7810), (302, 7879), (320, 7984), (321, 7987), (328, 8026), (329, 8029), (334, 8098), (335, 8101), (340, 8134), (346, 8191), (350, 8254), (352, 8272), (357, 8323), (361, 8353), (368, 8413), (371, 8452), (375, 8485), (377, 8494), (380, 8530), (395, 8668), (402, 8734),

Gene: Altwerkus_9 Start: 6360, Stop: 8933, Start Num: 30

Candidate Starts for Altwerkus_9:

(22, 6231), (Start: 30 @6360 has 463 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Amo99_43 Start: 20153, Stop: 22936, Start Num: 30

Candidate Starts for Amo99_43:

(21, 19991), (Start: 30 @20153 has 463 MA's), (32, 20162), (68, 20321), (82, 20357), (84, 20360), (93, 20381), (103, 20420), (160, 20585), (162, 20597), (164, 20609), (183, 20660), (187, 20678), (194, 20717), (225, 20981), (230, 21050), (235, 21107), (245, 21182), (274, 21257), (280, 21293), (296, 21416), (302, 21452), (312, 21518), (315, 21539), (320, 21596), (322, 21602), (327, 21626), (332, 21689), (344, 21788), (375, 22169), (376, 22172), (377, 22178), (383, 22259), (394, 22367), (401, 22436), (403, 22442), (413, 22481), (433, 22571), (445, 22658), (447, 22814), (448, 22835), (449, 22868), (450, 22901), (452, 22919),

Gene: AnClar_8 Start: 7436, Stop: 9841, Start Num: 30

Candidate Starts for AnClar_8:

(Start: 30 @7436 has 463 MA's), (Start: 35 @7454 has 1 MA's), (Start: 49 @7529 has 2 MA's), (53, 7541), (72, 7622), (91, 7679), (92, 7682), (94, 7691), (95, 7700), (101, 7712), (120, 7745), (133, 7784), (135, 7790), (138, 7805), (143, 7826), (147, 7844), (151, 7865), (155, 7889), (160, 7910), (185, 7973), (188, 7988), (216, 8171), (234, 8384), (242, 8483), (266, 8585), (268, 8594), (271, 8624), (277, 8660), (280, 8675), (284, 8696), (288, 8726), (291, 8756), (295, 8780), (306, 8867), (318, 8924), (341, 9101), (347, 9143), (352, 9221), (353, 9224), (357, 9272), (363, 9317), (368, 9362), (371, 9401), (374, 9428), (377, 9443), (389, 9554), (391, 9575), (396, 9626), (406, 9680), (415, 9704), (416, 9707), (422, 9743), (425, 9752),

Gene: AnarQue_11 Start: 8617, Stop: 11028, Start Num: 30

Candidate Starts for AnarQue_11:

(Start: 30 @8617 has 463 MA's), (41, 8665), (73, 8812), (129, 8959), (137, 8992), (138, 8998), (143, 9019), (160, 9103), (166, 9136), (182, 9151), (202, 9253), (224, 9466), (243, 9673), (253, 9700), (266, 9772), (267, 9775), (268, 9781), (271, 9811), (277, 9847), (280, 9862), (284, 9883), (287, 9907), (288, 9913), (292, 9946), (295, 9967), (318, 10111), (320, 10123), (348, 10351), (350, 10393), (357, 10462), (371, 10591), (377, 10633), (381, 10675), (410, 10879), (423, 10933),

Gene: Anderson_9 Start: 6360, Stop: 8933, Start Num: 30

Candidate Starts for Anderson_9:

(22, 6231), (Start: 30 @6360 has 463 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (89, 6597), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Andre_9 Start: 6361, Stop: 8934, Start Num: 30

Candidate Starts for Andre_9:

(22, 6232), (Start: 30 @6361 has 463 MA's), (40, 6412), (42, 6424), (45, 6439), (Start: 50 @6463 has 1 MA's), (65, 6523), (71, 6544), (89, 6598), (94, 6616), (101, 6646), (113, 6724), (Start: 114 @6739 has 1 MA's), (122, 6775), (128, 6790), (133, 6811), (158, 6931), (159, 6937), (160, 6940), (167, 6979), (179, 7051), (185, 7075), (186, 7084), (189, 7105), (200, 7150), (202, 7165), (211, 7213), (215, 7228), (231, 7453), (238, 7552), (243, 7597), (271, 7675), (276, 7702), (280, 7726), (292, 7810), (302, 7879), (320, 7984), (321, 7987), (328, 8026), (329, 8029), (334, 8098), (335, 8101), (340, 8134), (346, 8191), (350, 8254), (352, 8272), (357, 8323), (361, 8353), (368, 8413), (371, 8452), (375, 8485), (377, 8494), (380, 8530), (388, 8599), (395, 8668), (402, 8734),

Gene: AngelCake_9 Start: 6357, Stop: 8930, Start Num: 30

Candidate Starts for AngelCake_9:

(22, 6228), (Start: 30 @6357 has 463 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (209, 7197), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (313, 7953), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (394, 8661), (395, 8664), (402, 8730),

Gene: Antihero_9 Start: 7532, Stop: 10039, Start Num: 30

Candidate Starts for Antihero_9:

(Start: 30 @7532 has 463 MA's), (39, 7574), (44, 7607), (63, 7697), (76, 7760), (81, 7775), (85, 7784), (89, 7793), (94, 7811), (95, 7820), (101, 7832), (106, 7847), (143, 7949), (145, 7958), (152, 7991), (155, 8012), (157, 8021), (159, 8030), (160, 8033), (164, 8057), (165, 8066), (167, 8072), (171, 8096), (174, 8114), (176, 8120), (178, 8129), (186, 8165), (192, 8198), (202, 8246), (203, 8249), (211, 8288), (219, 8387), (243, 8663), (271, 8804), (276, 8831), (279, 8852), (280, 8855), (287, 8900), (290, 8924), (302, 9008), (317, 9098), (320, 9116), (328, 9158), (330, 9188), (335, 9233), (340, 9266), (341, 9281), (346, 9323), (348, 9344), (351, 9401), (352, 9404), (355, 9434), (357, 9455), (361, 9485), (363, 9500), (364, 9527), (367, 9539), (371, 9584), (372, 9590), (377, 9626), (380, 9662), (386, 9722), (389, 9737), (391, 9758), (395, 9800), (410, 9881), (415, 9893), (434, 9974), (436, 9995),

Gene: Antonia_9 Start: 6360, Stop: 8930, Start Num: 30

Candidate Starts for Antonia_9:

(22, 6231), (Start: 30 @6360 has 463 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Aonishiki_9 Start: 6360, Stop: 8933, Start Num: 30

Candidate Starts for Aonishiki_9:

(22, 6231), (Start: 30 @6360 has 463 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (89, 6597), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380,

8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Apex_9 Start: 8181, Stop: 10688, Start Num: 30

Candidate Starts for Apex_9:

(Start: 30 @8181 has 463 MA's), (39, 8223), (44, 8256), (63, 8346), (76, 8409), (81, 8424), (85, 8433), (89, 8442), (94, 8460), (95, 8469), (101, 8481), (122, 8532), (124, 8535), (143, 8598), (145, 8607), (152, 8640), (155, 8661), (156, 8664), (157, 8670), (159, 8679), (160, 8682), (164, 8706), (169, 8730), (171, 8745), (174, 8763), (176, 8769), (186, 8814), (192, 8847), (202, 8895), (203, 8898), (211, 8937), (243, 9312), (271, 9453), (276, 9480), (279, 9501), (280, 9504), (287, 9549), (290, 9573), (302, 9657), (317, 9747), (320, 9765), (328, 9807), (330, 9837), (335, 9882), (340, 9915), (341, 9930), (346, 9972), (348, 9993), (351, 10050), (352, 10053), (355, 10083), (357, 10104), (361, 10134), (363, 10149), (364, 10176), (371, 10233), (372, 10239), (377, 10275), (380, 10311), (386, 10371), (391, 10407), (394, 10446), (395, 10449), (410, 10530), (415, 10542), (426, 10593), (434, 10623), (436, 10644),

Gene: Apizium_9 Start: 6358, Stop: 8931, Start Num: 30

Candidate Starts for Apizium_9:

(22, 6229), (Start: 30 @6358 has 463 MA's), (40, 6409), (42, 6421), (45, 6436), (Start: 50 @6460 has 1 MA's), (65, 6520), (71, 6541), (94, 6613), (101, 6643), (113, 6721), (Start: 114 @6736 has 1 MA's), (122, 6772), (128, 6787), (133, 6808), (158, 6928), (159, 6934), (160, 6937), (179, 7048), (185, 7072), (186, 7081), (189, 7102), (200, 7147), (202, 7162), (211, 7210), (215, 7225), (231, 7450), (238, 7549), (243, 7594), (271, 7672), (276, 7699), (280, 7723), (292, 7807), (302, 7876), (320, 7981), (321, 7984), (328, 8023), (329, 8026), (334, 8095), (335, 8098), (340, 8131), (346, 8188), (350, 8251), (352, 8269), (357, 8320), (361, 8350), (368, 8410), (371, 8449), (375, 8482), (377, 8491), (380, 8527), (388, 8596), (395, 8665), (402, 8731),

Gene: Arbiter_13 Start: 9707, Stop: 12154, Start Num: 30

Candidate Starts for Arbiter_13:

(Start: 30 @9707 has 463 MA's), (41, 9761), (54, 9821), (76, 9914), (78, 9920), (84, 9935), (91, 9956), (96, 9986), (116, 10067), (117, 10070), (120, 10079), (131, 10106), (137, 10133), (157, 10205), (160, 10217), (164, 10235), (167, 10241), (178, 10304), (190, 10349), (200, 10391), (205, 10421), (222, 10592), (223, 10613), (224, 10619), (231, 10691), (236, 10754), (241, 10832), (244, 10838), (266, 10889), (271, 10928), (275, 10949), (276, 10955), (280, 10979), (288, 11030), (289, 11033), (292, 11063), (300, 11120), (302, 11132), (303, 11147), (307, 11174), (314, 11216), (323, 11261), (324, 11264), (329, 11294), (333, 11357), (334, 11363), (335, 11366), (338, 11378), (348, 11474), (350, 11516), (357, 11585), (364, 11663), (377, 11762), (378, 11765), (379, 11792), (386, 11858), (389, 11873), (391, 11894), (394, 11933), (404, 11987), (410, 12014), (415, 12026), (427, 12074),

Gene: Ares_13 Start: 9617, Stop: 12064, Start Num: 30

Candidate Starts for Ares_13:

(Start: 30 @9617 has 463 MA's), (41, 9671), (54, 9731), (76, 9824), (78, 9830), (84, 9845), (91, 9866), (96, 9896), (116, 9977), (117, 9980), (120, 9989), (131, 10016), (137, 10043), (157, 10115), (160, 10127), (164, 10145), (167, 10151), (178, 10214), (190, 10259), (200, 10301), (205, 10331), (222, 10502), (223, 10523), (224, 10529), (231, 10601), (236, 10664), (241, 10742), (244, 10748), (266, 10799), (271, 10838), (275, 10859), (276, 10865), (280, 10889), (288, 10940), (289, 10943), (292, 10973), (300, 11030), (302, 11042), (303, 11057), (307, 11084), (314, 11126), (323, 11171), (324, 11174), (329, 11204), (333, 11267), (334, 11273), (335, 11276), (338, 11288), (348, 11384), (350, 11426), (357, 11495), (364, 11573), (377, 11672), (378, 11675), (379, 11702), (386, 11768), (389, 11783), (391, 11804), (394, 11843), (404, 11897), (410, 11924), (415, 11936), (427, 11984),

Gene: Ashraf_9 Start: 6357, Stop: 8927, Start Num: 30

Candidate Starts for Ashraf_9:

(Start: 30 @6357 has 463 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771),

(128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (209, 7197), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (313, 7953), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (394, 8661), (395, 8664), (402, 8730),

Gene: Athena_13 Start: 8971, Stop: 11403, Start Num: 30

Candidate Starts for Athena_13:

(Start: 30 @8971 has 463 MA's), (Start: 49 @9070 has 2 MA's), (Start: 50 @9073 has 1 MA's), (62, 9118), (65, 9142), (66, 9145), (77, 9190), (92, 9229), (105, 9280), (118, 9310), (132, 9340), (140, 9367), (142, 9373), (155, 9439), (185, 9529), (186, 9538), (187, 9541), (190, 9562), (202, 9619), (211, 9673), (220, 9775), (223, 9835), (226, 9862), (243, 10057), (271, 10153), (280, 10204), (288, 10255), (310, 10417), (320, 10474), (321, 10477), (323, 10486), (334, 10588), (346, 10681), (352, 10762), (380, 11020), (386, 11080), (389, 11095), (393, 11149), (405, 11233), (407, 11245), (425, 11314),

Gene: Audrey_12 Start: 8208, Stop: 10640, Start Num: 30

Candidate Starts for Audrey_12:

(Start: 30 @8208 has 463 MA's), (Start: 49 @8307 has 2 MA's), (Start: 50 @8310 has 1 MA's), (62, 8355), (65, 8379), (66, 8382), (77, 8427), (92, 8466), (105, 8517), (118, 8547), (132, 8577), (140, 8604), (142, 8610), (155, 8676), (183, 8760), (185, 8766), (186, 8775), (187, 8778), (190, 8799), (202, 8856), (220, 9012), (223, 9072), (243, 9294), (271, 9390), (280, 9441), (288, 9492), (310, 9654), (320, 9711), (321, 9714), (323, 9723), (334, 9825), (346, 9918), (352, 9999), (380, 10257), (386, 10317), (389, 10332), (393, 10386), (405, 10470), (407, 10482), (425, 10551),

Gene: Austelle_10 Start: 8637, Stop: 11144, Start Num: 30

Candidate Starts for Austelle_10:

(1, 7875), (5, 8109), (Start: 30 @8637 has 463 MA's), (39, 8679), (44, 8712), (63, 8802), (76, 8865), (81, 8880), (85, 8889), (89, 8898), (94, 8916), (95, 8925), (101, 8937), (122, 8988), (124, 8991), (143, 9054), (145, 9063), (152, 9096), (155, 9117), (156, 9120), (157, 9126), (159, 9135), (160, 9138), (164, 9162), (169, 9186), (171, 9201), (174, 9219), (176, 9225), (186, 9270), (192, 9303), (202, 9351), (203, 9354), (211, 9393), (243, 9768), (271, 9909), (276, 9936), (279, 9957), (280, 9960), (287, 10005), (290, 10029), (302, 10113), (317, 10203), (320, 10221), (328, 10263), (330, 10293), (335, 10338), (340, 10371), (341, 10386), (346, 10428), (348, 10449), (351, 10506), (352, 10509), (355, 10539), (357, 10560), (361, 10590), (363, 10605), (364, 10632), (371, 10689), (372, 10695), (377, 10731), (380, 10767), (386, 10827), (389, 10842), (391, 10863), (394, 10902), (395, 10905), (410, 10986), (415, 10998), (426, 11049), (434, 11079), (436, 11100),

Gene: Axumite_9 Start: 7131, Stop: 9533, Start Num: 30

Candidate Starts for Axumite_9:

(18, 6879), (25, 7101), (Start: 30 @7131 has 463 MA's), (Start: 31 @7134 has 1 MA's), (Start: 35 @7149 has 1 MA's), (47, 7218), (53, 7236), (58, 7248), (70, 7311), (72, 7317), (89, 7368), (91, 7374), (103, 7416), (120, 7440), (140, 7512), (154, 7581), (160, 7605), (185, 7668), (188, 7683), (190, 7701), (200, 7743), (216, 7866), (234, 8079), (242, 8178), (262, 8253), (266, 8277), (267, 8280), (268, 8286), (271, 8316), (277, 8352), (280, 8367), (284, 8388), (317, 8610), (318, 8616), (320, 8628), (329, 8673), (333, 8736), (341, 8793), (347, 8835), (351, 8910), (352, 8913), (360, 8988), (363, 9009), (368, 9057), (374, 9123), (377, 9138), (385, 9231), (389, 9249), (396, 9321), (410, 9384), (415, 9396), (425, 9444), (428, 9453), (442, 9522),

Gene: Badfish_9 Start: 6360, Stop: 8933, Start Num: 30

Candidate Starts for Badfish_9:

(22, 6231), (Start: 30 @6360 has 463 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's),

(122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Baee_11 Start: 8567, Stop: 11074, Start Num: 30

Candidate Starts for Baee_11:

(7, 8078), (14, 8264), (Start: 29 @8564 has 2 MA's), (Start: 30 @8567 has 463 MA's), (45, 8645), (53, 8678), (112, 8888), (124, 8903), (143, 8966), (160, 9050), (161, 9062), (164, 9074), (177, 9131), (179, 9140), (185, 9164), (186, 9173), (187, 9176), (190, 9197), (211, 9302), (236, 9605), (243, 9674), (266, 9800), (269, 9812), (270, 9818), (271, 9839), (275, 9860), (280, 9890), (281, 9896), (292, 9983), (317, 10142), (320, 10160), (326, 10187), (329, 10205), (334, 10274), (340, 10310), (341, 10325), (345, 10358), (346, 10367), (352, 10448), (364, 10571), (371, 10628), (372, 10634), (380, 10706), (389, 10781), (392, 10823), (393, 10835), (410, 10922),

Gene: Baloo_12 Start: 8208, Stop: 10640, Start Num: 30

Candidate Starts for Baloo_12:

(Start: 30 @8208 has 463 MA's), (Start: 49 @8307 has 2 MA's), (Start: 50 @8310 has 1 MA's), (62, 8355), (65, 8379), (66, 8382), (73, 8412), (77, 8427), (92, 8466), (105, 8517), (118, 8547), (132, 8577), (140, 8604), (143, 8613), (155, 8676), (183, 8760), (185, 8766), (186, 8775), (187, 8778), (190, 8799), (202, 8856), (211, 8910), (220, 9012), (223, 9072), (243, 9294), (271, 9390), (280, 9441), (288, 9492), (310, 9654), (320, 9711), (321, 9714), (323, 9723), (334, 9825), (346, 9918), (352, 9999), (380, 10257), (386, 10317), (389, 10332), (393, 10386), (405, 10470), (407, 10482), (425, 10551),

Gene: Bananafish_13 Start: 9617, Stop: 12064, Start Num: 30

Candidate Starts for Bananafish_13:

(Start: 30 @9617 has 463 MA's), (41, 9671), (54, 9731), (76, 9824), (78, 9830), (84, 9845), (91, 9866), (96, 9896), (116, 9977), (117, 9980), (120, 9989), (131, 10016), (137, 10043), (157, 10115), (160, 10127), (164, 10145), (167, 10151), (178, 10214), (190, 10259), (200, 10301), (205, 10331), (222, 10502), (223, 10523), (224, 10529), (231, 10601), (236, 10664), (241, 10742), (244, 10748), (266, 10799), (271, 10838), (275, 10859), (276, 10865), (280, 10889), (288, 10940), (289, 10943), (292, 10973), (300, 11030), (302, 11042), (303, 11057), (307, 11084), (314, 11126), (323, 11171), (324, 11174), (329, 11204), (333, 11267), (334, 11273), (335, 11276), (338, 11288), (348, 11384), (350, 11426), (357, 11495), (364, 11573), (370, 11627), (377, 11672), (378, 11675), (379, 11702), (386, 11768), (389, 11783), (391, 11804), (394, 11843), (404, 11897), (410, 11924), (415, 11936), (427, 11984),

Gene: Banjo_9 Start: 6361, Stop: 8934, Start Num: 30

Candidate Starts for Banjo_9:

(22, 6232), (Start: 30 @6361 has 463 MA's), (40, 6412), (42, 6424), (45, 6439), (Start: 50 @6463 has 1 MA's), (65, 6523), (71, 6544), (94, 6616), (101, 6646), (113, 6724), (Start: 114 @6739 has 1 MA's), (122, 6775), (128, 6790), (133, 6811), (158, 6931), (159, 6937), (160, 6940), (179, 7051), (185, 7075), (186, 7084), (189, 7105), (200, 7150), (202, 7165), (211, 7213), (215, 7228), (231, 7453), (238, 7552), (243, 7597), (271, 7675), (276, 7702), (280, 7726), (292, 7810), (302, 7879), (320, 7984), (321, 7987), (328, 8026), (329, 8029), (334, 8098), (335, 8101), (340, 8134), (346, 8191), (350, 8254), (352, 8272), (357, 8323), (361, 8353), (368, 8413), (371, 8452), (375, 8485), (377, 8494), (380, 8530), (388, 8599), (395, 8668), (402, 8734),

Gene: Basato_10 Start: 6594, Stop: 9167, Start Num: 30

Candidate Starts for Basato_10:

(22, 6465), (Start: 30 @6594 has 463 MA's), (40, 6645), (42, 6657), (45, 6672), (Start: 50 @6696 has 1 MA's), (65, 6756), (71, 6777), (94, 6849), (101, 6879), (113, 6957), (Start: 114 @6972 has 1 MA's), (122, 7008), (128, 7023), (133, 7044), (158, 7164), (159, 7170), (160, 7173), (167, 7212), (179, 7284), (185, 7308), (186, 7317), (189, 7338), (200, 7383), (202, 7398), (209, 7434), (211, 7446), (215, 7461), (231, 7686), (238, 7785), (243, 7830), (271, 7908), (276, 7935), (280, 7959), (292, 8043), (302, 8112), (320, 8217), (321, 8220), (328, 8259), (329, 8262), (334, 8331), (335, 8334), (340, 8367), (346, 8424), (350, 8487), (352, 8505), (357, 8556), (361, 8586), (368, 8646), (371, 8685), (375, 8718), (377, 8727), (380, 8763), (395, 8901), (402, 8967),

Gene: BatteryCK_9 Start: 6357, Stop: 8933, Start Num: 30

Candidate Starts for BatteryCK_9:

(Start: 30 @6357 has 463 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (209, 7197), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (313, 7953), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (394, 8661), (395, 8664), (402, 8730),

Gene: Beaglebox_9 Start: 6360, Stop: 8933, Start Num: 30

Candidate Starts for Beaglebox_9:

(22, 6231), (Start: 30 @6360 has 463 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (89, 6597), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Ben11_11 Start: 8056, Stop: 10488, Start Num: 30

Candidate Starts for Ben11_11:

(Start: 30 @8056 has 463 MA's), (Start: 49 @8155 has 2 MA's), (Start: 50 @8158 has 1 MA's), (62, 8203), (65, 8227), (73, 8260), (77, 8275), (92, 8314), (105, 8365), (118, 8395), (132, 8425), (140, 8452), (143, 8461), (155, 8524), (183, 8608), (185, 8614), (186, 8623), (187, 8626), (190, 8647), (202, 8704), (211, 8758), (220, 8860), (223, 8920), (226, 8947), (243, 9142), (271, 9238), (280, 9289), (288, 9340), (310, 9502), (320, 9559), (321, 9562), (323, 9571), (334, 9673), (346, 9766), (352, 9847), (380, 10105), (386, 10165), (389, 10180), (393, 10234), (405, 10318), (407, 10330), (425, 10399),

Gene: Bernardo_12 Start: 8230, Stop: 10662, Start Num: 30

Candidate Starts for Bernardo_12:

(Start: 30 @8230 has 463 MA's), (Start: 49 @8329 has 2 MA's), (Start: 50 @8332 has 1 MA's), (62, 8377), (65, 8401), (66, 8404), (73, 8434), (77, 8449), (92, 8488), (105, 8539), (118, 8569), (132, 8599), (140, 8626), (142, 8632), (155, 8698), (183, 8782), (185, 8788), (186, 8797), (187, 8800), (190, 8821), (202, 8878), (211, 8932), (220, 9034), (223, 9094), (226, 9121), (243, 9316), (271, 9412), (280, 9463), (288, 9514), (310, 9676), (321, 9736), (323, 9745), (334, 9847), (346, 9940), (352, 10021), (380, 10279), (386, 10339), (389, 10354), (393, 10408), (405, 10492), (407, 10504), (425, 10573),

Gene: BiggityBass_8 Start: 6947, Stop: 9349, Start Num: 30

Candidate Starts for BiggityBass_8:

(Start: 30 @6947 has 463 MA's), (Start: 35 @6965 has 1 MA's), (Start: 49 @7040 has 2 MA's), (53, 7052), (72, 7133), (91, 7190), (92, 7193), (94, 7202), (95, 7211), (101, 7223), (120, 7256), (133, 7295),

(135, 7301), (138, 7316), (147, 7355), (151, 7376), (155, 7400), (160, 7421), (166, 7454), (185, 7484), (188, 7499), (200, 7559), (203, 7577), (215, 7634), (216, 7682), (234, 7895), (242, 7994), (266, 8093), (268, 8102), (271, 8132), (277, 8168), (280, 8183), (284, 8204), (288, 8234), (295, 8288), (306, 8375), (318, 8432), (341, 8609), (347, 8651), (352, 8729), (353, 8732), (357, 8780), (363, 8825), (368, 8870), (371, 8909), (374, 8936), (377, 8951), (389, 9062), (391, 9083), (396, 9134), (406, 9188), (416, 9215), (428, 9269), (442, 9338),

Gene: BirdsNest_13 Start: 7066, Stop: 9600, Start Num: 30

Candidate Starts for BirdsNest_13:

(Start: 30 @7066 has 463 MA's), (46, 7156), (71, 7249), (94, 7321), (95, 7330), (109, 7372), (122, 7393), (127, 7402), (152, 7501), (155, 7522), (185, 7660), (186, 7669), (202, 7750), (209, 7780), (217, 7861), (218, 7879), (224, 7960), (228, 7993), (231, 8032), (243, 8176), (256, 8245), (265, 8302), (269, 8329), (271, 8356), (280, 8407), (287, 8452), (288, 8458), (309, 8608), (317, 8647), (328, 8707), (330, 8737), (334, 8779), (335, 8782), (346, 8872), (351, 8947), (356, 8986), (367, 9085), (368, 9091), (375, 9163), (380, 9208), (391, 9304), (395, 9346), (415, 9439),

Gene: Bishoperium_9 Start: 6361, Stop: 8934, Start Num: 30

Candidate Starts for Bishoperium_9:

(22, 6232), (Start: 30 @6361 has 463 MA's), (40, 6412), (42, 6424), (45, 6439), (Start: 50 @6463 has 1 MA's), (65, 6523), (71, 6544), (94, 6616), (101, 6646), (113, 6724), (Start: 114 @6739 has 1 MA's), (122, 6775), (128, 6790), (133, 6811), (158, 6931), (159, 6937), (160, 6940), (179, 7051), (185, 7075), (186, 7084), (189, 7105), (200, 7150), (202, 7165), (211, 7213), (215, 7228), (231, 7453), (238, 7552), (243, 7597), (271, 7675), (276, 7702), (280, 7726), (292, 7810), (302, 7879), (320, 7984), (321, 7987), (328, 8026), (329, 8029), (334, 8098), (335, 8101), (340, 8134), (346, 8191), (350, 8254), (352, 8272), (357, 8323), (361, 8353), (368, 8413), (371, 8452), (375, 8485), (377, 8494), (380, 8530), (388, 8599), (395, 8668), (402, 8734),

Gene: BlackStallion_9 Start: 6358, Stop: 8931, Start Num: 30

Candidate Starts for BlackStallion_9:

(22, 6229), (Start: 30 @6358 has 463 MA's), (40, 6409), (42, 6421), (45, 6436), (Start: 50 @6460 has 1 MA's), (65, 6520), (71, 6541), (94, 6613), (101, 6643), (113, 6721), (Start: 114 @6736 has 1 MA's), (122, 6772), (128, 6787), (133, 6808), (158, 6928), (159, 6934), (160, 6937), (179, 7048), (185, 7072), (186, 7081), (189, 7102), (200, 7147), (202, 7162), (211, 7210), (215, 7225), (231, 7450), (238, 7549), (243, 7594), (271, 7672), (276, 7699), (280, 7723), (292, 7807), (302, 7876), (320, 7981), (321, 7984), (328, 8023), (329, 8026), (334, 8095), (335, 8098), (340, 8131), (346, 8188), (350, 8251), (352, 8269), (357, 8320), (361, 8350), (368, 8410), (371, 8449), (375, 8482), (377, 8491), (380, 8527), (388, 8596), (395, 8665), (402, 8731),

Gene: Blackpen_11 Start: 8109, Stop: 10520, Start Num: 30

Candidate Starts for Blackpen_11:

(Start: 30 @8109 has 463 MA's), (37, 8142), (41, 8157), (73, 8304), (129, 8451), (137, 8484), (138, 8490), (143, 8511), (160, 8595), (166, 8628), (182, 8643), (183, 8649), (202, 8745), (224, 8958), (243, 9165), (253, 9192), (266, 9264), (267, 9267), (268, 9273), (271, 9303), (277, 9339), (280, 9354), (284, 9375), (287, 9399), (288, 9405), (292, 9438), (295, 9459), (318, 9603), (320, 9615), (348, 9843), (350, 9885), (357, 9954), (363, 9999), (371, 10083), (377, 10125), (381, 10167), (410, 10371), (423, 10425),

Gene: BlackBerry_9 Start: 6360, Stop: 8933, Start Num: 30

Candidate Starts for BlackBerry_9:

(22, 6231), (Start: 30 @6360 has 463 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (209, 7200), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (313, 7956),

(320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Blocker23_13 Start: 9734, Stop: 12181, Start Num: 30

Candidate Starts for Blocker23_13:

(Start: 30 @9734 has 463 MA's), (41, 9788), (54, 9848), (76, 9941), (78, 9947), (84, 9962), (91, 9983), (96, 10013), (116, 10094), (117, 10097), (120, 10106), (131, 10133), (137, 10160), (157, 10232), (160, 10244), (164, 10262), (167, 10268), (178, 10331), (190, 10376), (200, 10418), (205, 10448), (222, 10619), (223, 10640), (224, 10646), (231, 10718), (236, 10781), (241, 10859), (244, 10865), (266, 10916), (271, 10955), (275, 10976), (276, 10982), (280, 11006), (288, 11057), (289, 11060), (292, 11090), (300, 11147), (302, 11159), (303, 11174), (307, 11201), (314, 11243), (323, 11288), (324, 11291), (329, 11321), (333, 11384), (334, 11390), (335, 11393), (338, 11405), (348, 11501), (350, 11543), (357, 11612), (364, 11690), (377, 11789), (378, 11792), (379, 11819), (386, 11885), (389, 11900), (391, 11921), (394, 11960), (404, 12014), (410, 12041), (415, 12053), (427, 12101),

Gene: BlueHusk_9 Start: 6357, Stop: 8930, Start Num: 30

Candidate Starts for BlueHusk_9:

(22, 6228), (Start: 30 @6357 has 463 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (209, 7197), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (388, 8595), (395, 8664), (402, 8730),

Gene: Bluephacebaby_9 Start: 6361, Stop: 8934, Start Num: 30

Candidate Starts for Bluephacebaby_9:

(22, 6232), (Start: 30 @6361 has 463 MA's), (40, 6412), (42, 6424), (45, 6439), (Start: 50 @6463 has 1 MA's), (65, 6523), (71, 6544), (94, 6616), (101, 6646), (113, 6724), (Start: 114 @6739 has 1 MA's), (122, 6775), (128, 6790), (133, 6811), (158, 6931), (159, 6937), (160, 6940), (179, 7051), (185, 7075), (186, 7084), (189, 7105), (200, 7150), (202, 7165), (211, 7213), (215, 7228), (231, 7453), (238, 7552), (243, 7597), (271, 7675), (276, 7702), (280, 7726), (292, 7810), (302, 7879), (320, 7984), (321, 7987), (328, 8026), (329, 8029), (334, 8098), (335, 8101), (340, 8134), (346, 8191), (350, 8254), (352, 8272), (357, 8323), (361, 8353), (368, 8413), (371, 8452), (375, 8485), (377, 8494), (380, 8530), (388, 8599), (395, 8668), (402, 8734),

Gene: BobRoss2024_8 Start: 6963, Stop: 9380, Start Num: 30

Candidate Starts for BobRoss2024_8:

(Start: 30 @6963 has 463 MA's), (Start: 31 @6966 has 1 MA's), (42, 7020), (53, 7068), (76, 7167), (137, 7329), (138, 7335), (157, 7428), (182, 7488), (186, 7509), (203, 7593), (220, 7737), (224, 7803), (243, 8010), (267, 8127), (268, 8133), (271, 8163), (277, 8199), (280, 8214), (284, 8235), (288, 8265), (292, 8298), (306, 8406), (317, 8457), (318, 8463), (340, 8625), (347, 8682), (357, 8811), (374, 8967), (380, 9018), (389, 9093), (391, 9114), (403, 9201), (404, 9204), (417, 9249),

Gene: BobbyK_10 Start: 8634, Stop: 11141, Start Num: 30

Candidate Starts for BobbyK_10:

(Start: 30 @8634 has 463 MA's), (39, 8676), (44, 8709), (63, 8799), (76, 8862), (81, 8877), (85, 8886), (89, 8895), (94, 8913), (95, 8922), (101, 8934), (122, 8985), (124, 8988), (143, 9051), (145, 9060), (152, 9093), (155, 9114), (156, 9117), (157, 9123), (159, 9132), (160, 9135), (164, 9159), (169, 9183), (171, 9198), (174, 9216), (176, 9222), (186, 9267), (192, 9300), (202, 9348), (203, 9351), (211, 9390), (243, 9765), (271, 9906), (276, 9933), (279, 9954), (280, 9957), (287, 10002), (290, 10026), (302,

10110), (317, 10200), (320, 10218), (328, 10260), (330, 10290), (335, 10335), (340, 10368), (341, 10383), (346, 10425), (348, 10446), (351, 10503), (352, 10506), (355, 10536), (357, 10557), (361, 10587), (363, 10602), (364, 10629), (371, 10686), (372, 10692), (377, 10728), (380, 10764), (386, 10824), (391, 10860), (394, 10899), (395, 10902), (410, 10983), (434, 11076), (436, 11097),

Gene: Boehler_9 Start: 6360, Stop: 8933, Start Num: 30

Candidate Starts for Boehler_9:

(22, 6231), (Start: 30 @6360 has 463 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: BoogieWoogie_9 Start: 6357, Stop: 8930, Start Num: 30

Candidate Starts for BoogieWoogie_9:

(22, 6228), (Start: 30 @6357 has 463 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (167, 6975), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (388, 8595), (395, 8664), (402, 8730),

Gene: Boyle_13 Start: 9734, Stop: 12181, Start Num: 30

Candidate Starts for Boyle_13:

(Start: 30 @9734 has 463 MA's), (41, 9788), (54, 9848), (76, 9941), (78, 9947), (84, 9962), (91, 9983), (96, 10013), (116, 10094), (117, 10097), (120, 10106), (131, 10133), (137, 10160), (157, 10232), (160, 10244), (164, 10262), (167, 10268), (178, 10331), (190, 10376), (200, 10418), (205, 10448), (222, 10619), (223, 10640), (224, 10646), (231, 10718), (236, 10781), (241, 10859), (244, 10865), (266, 10916), (271, 10955), (275, 10976), (276, 10982), (280, 11006), (288, 11057), (289, 11060), (292, 11090), (300, 11147), (302, 11159), (303, 11174), (307, 11201), (314, 11243), (323, 11288), (324, 11291), (329, 11321), (333, 11384), (334, 11390), (335, 11393), (338, 11405), (348, 11501), (350, 11543), (357, 11612), (364, 11690), (370, 11744), (377, 11789), (378, 11792), (379, 11819), (386, 11885), (389, 11900), (391, 11921), (394, 11960), (404, 12014), (410, 12041), (415, 12053), (427, 12101),

Gene: Briakila_12 Start: 8997, Stop: 11429, Start Num: 30

Candidate Starts for Briakila_12:

(Start: 30 @8997 has 463 MA's), (Start: 49 @9096 has 2 MA's), (Start: 50 @9099 has 1 MA's), (62, 9144), (65, 9168), (66, 9171), (77, 9216), (92, 9255), (105, 9306), (118, 9336), (132, 9366), (140, 9393), (142, 9399), (155, 9465), (183, 9549), (185, 9555), (186, 9564), (187, 9567), (190, 9588), (202, 9645), (220, 9801), (223, 9861), (226, 9888), (243, 10083), (271, 10179), (280, 10230), (288, 10281), (310, 10443), (320, 10500), (321, 10503), (323, 10512), (334, 10614), (346, 10707), (352, 10788), (380, 11046), (386, 11106), (389, 11121), (393, 11175), (405, 11259), (407, 11271), (425, 11340),

Gene: Brilliant_9 Start: 6359, Stop: 8932, Start Num: 30

Candidate Starts for Brilliant_9:

(22, 6230), (Start: 30 @6359 has 463 MA's), (40, 6410), (42, 6422), (45, 6437), (Start: 50 @6461 has 1 MA's), (65, 6521), (71, 6542), (94, 6614), (101, 6644), (113, 6722), (Start: 114 @6737 has 1 MA's),

(122, 6773), (128, 6788), (133, 6809), (158, 6929), (159, 6935), (160, 6938), (179, 7049), (185, 7073), (186, 7082), (189, 7103), (200, 7148), (202, 7163), (209, 7199), (211, 7211), (215, 7226), (231, 7451), (238, 7550), (243, 7595), (271, 7673), (276, 7700), (280, 7724), (292, 7808), (302, 7877), (313, 7955), (320, 7982), (321, 7985), (328, 8024), (329, 8027), (334, 8096), (335, 8099), (340, 8132), (346, 8189), (350, 8252), (352, 8270), (357, 8321), (361, 8351), (368, 8411), (371, 8450), (375, 8483), (377, 8492), (380, 8528), (388, 8597), (395, 8666), (402, 8732),

Gene: BrownCNA_11 Start: 8888, Stop: 11395, Start Num: 30

Candidate Starts for BrownCNA_11:

(Start: 30 @8888 has 463 MA's), (39, 8930), (44, 8963), (63, 9053), (76, 9116), (81, 9131), (85, 9140), (89, 9149), (94, 9167), (95, 9176), (101, 9188), (122, 9239), (124, 9242), (143, 9305), (145, 9314), (152, 9347), (155, 9368), (156, 9371), (157, 9377), (159, 9386), (160, 9389), (164, 9413), (169, 9437), (171, 9452), (174, 9470), (176, 9476), (186, 9521), (192, 9554), (202, 9602), (203, 9605), (211, 9644), (243, 10019), (271, 10160), (276, 10187), (279, 10208), (280, 10211), (287, 10256), (290, 10280), (302, 10364), (317, 10454), (320, 10472), (328, 10514), (330, 10544), (335, 10589), (340, 10622), (341, 10637), (346, 10679), (348, 10700), (351, 10757), (352, 10760), (355, 10790), (357, 10811), (361, 10841), (363, 10856), (364, 10883), (371, 10940), (372, 10946), (377, 10982), (380, 11018), (386, 11078), (391, 11114), (394, 11153), (395, 11156), (410, 11237), (415, 11249), (426, 11300), (434, 11330), (436, 11351),

Gene: Brownie5_13 Start: 9734, Stop: 12181, Start Num: 30

Candidate Starts for Brownie5_13:

(Start: 30 @9734 has 463 MA's), (41, 9788), (54, 9848), (76, 9941), (78, 9947), (84, 9962), (91, 9983), (96, 10013), (116, 10094), (117, 10097), (120, 10106), (131, 10133), (137, 10160), (157, 10232), (160, 10244), (164, 10262), (167, 10268), (178, 10331), (190, 10376), (200, 10418), (205, 10448), (222, 10619), (223, 10640), (224, 10646), (231, 10718), (236, 10781), (241, 10859), (244, 10865), (266, 10916), (271, 10955), (275, 10976), (276, 10982), (280, 11006), (288, 11057), (289, 11060), (292, 11090), (300, 11147), (302, 11159), (303, 11174), (307, 11201), (314, 11243), (323, 11288), (324, 11291), (329, 11321), (333, 11384), (334, 11390), (335, 11393), (338, 11405), (348, 11501), (350, 11543), (357, 11612), (364, 11690), (370, 11744), (377, 11789), (378, 11792), (379, 11819), (386, 11885), (389, 11900), (391, 11921), (394, 11960), (404, 12014), (410, 12041), (415, 12053), (427, 12101),

Gene: Buckeye_9 Start: 6362, Stop: 8935, Start Num: 30

Candidate Starts for Buckeye_9:

(22, 6233), (Start: 30 @6362 has 463 MA's), (40, 6413), (42, 6425), (45, 6440), (Start: 50 @6464 has 1 MA's), (65, 6524), (71, 6545), (94, 6617), (101, 6647), (113, 6725), (Start: 114 @6740 has 1 MA's), (122, 6776), (128, 6791), (133, 6812), (158, 6932), (159, 6938), (160, 6941), (167, 6980), (179, 7052), (185, 7076), (186, 7085), (189, 7106), (200, 7151), (202, 7166), (211, 7214), (215, 7229), (231, 7454), (238, 7553), (243, 7598), (271, 7676), (276, 7703), (280, 7727), (292, 7811), (302, 7880), (320, 7985), (321, 7988), (328, 8027), (329, 8030), (334, 8099), (335, 8102), (340, 8135), (346, 8192), (350, 8255), (352, 8273), (357, 8324), (361, 8354), (368, 8414), (371, 8453), (375, 8486), (377, 8495), (380, 8531), (388, 8600), (395, 8669), (402, 8735),

Gene: Burr_9 Start: 6361, Stop: 8934, Start Num: 30

Candidate Starts for Burr_9:

(22, 6232), (Start: 30 @6361 has 463 MA's), (40, 6412), (42, 6424), (45, 6439), (Start: 50 @6463 has 1 MA's), (65, 6523), (71, 6544), (89, 6598), (94, 6616), (101, 6646), (113, 6724), (Start: 114 @6739 has 1 MA's), (122, 6775), (128, 6790), (133, 6811), (158, 6931), (159, 6937), (160, 6940), (179, 7051), (185, 7075), (186, 7084), (189, 7105), (200, 7150), (202, 7165), (211, 7213), (215, 7228), (231, 7453), (238, 7552), (243, 7597), (271, 7675), (276, 7702), (280, 7726), (292, 7810), (302, 7879), (320, 7984), (321, 7987), (328, 8026), (329, 8029), (334, 8098), (335, 8101), (340, 8134), (346, 8191), (350, 8254), (352, 8272), (357, 8323), (361, 8353), (368, 8413), (371, 8452), (375, 8485), (377, 8494), (380, 8530), (388,

8599), (395, 8668), (402, 8734),

Gene: CRB2_12 Start: 9324, Stop: 11789, Start Num: 30

Candidate Starts for CRB2_12:

(22, 9195), (Start: 30 @9324 has 463 MA's), (44, 9399), (53, 9435), (71, 9507), (76, 9528), (80, 9540), (101, 9600), (140, 9699), (142, 9705), (157, 9780), (160, 9792), (164, 9816), (175, 9864), (179, 9879), (186, 9912), (202, 9993), (211, 10035), (217, 10104), (224, 10203), (243, 10419), (257, 10461), (263, 10494), (271, 10557), (279, 10605), (280, 10608), (287, 10653), (292, 10692), (294, 10710), (306, 10800), (317, 10851), (318, 10857), (330, 10941), (341, 11034), (346, 11076), (351, 11151), (352, 11154), (355, 11184), (357, 11205), (371, 11334), (391, 11508), (393, 11541), (395, 11550), (410, 11625), (426, 11688),

Gene: CaiB_11 Start: 8617, Stop: 11028, Start Num: 30

Candidate Starts for CaiB_11:

(Start: 30 @8617 has 463 MA's), (41, 8665), (73, 8812), (129, 8959), (137, 8992), (138, 8998), (143, 9019), (160, 9103), (166, 9136), (182, 9151), (202, 9253), (224, 9466), (243, 9673), (253, 9700), (266, 9772), (267, 9775), (268, 9781), (271, 9811), (277, 9847), (280, 9862), (284, 9883), (287, 9907), (288, 9913), (292, 9946), (295, 9967), (318, 10111), (320, 10123), (348, 10351), (350, 10393), (357, 10462), (363, 10507), (371, 10591), (377, 10633), (381, 10675), (410, 10879), (415, 10891), (423, 10933),

Gene: Calamitous_13 Start: 9617, Stop: 12064, Start Num: 30

Candidate Starts for Calamitous_13:

(Start: 30 @9617 has 463 MA's), (41, 9671), (54, 9731), (76, 9824), (78, 9830), (84, 9845), (91, 9866), (96, 9896), (116, 9977), (117, 9980), (120, 9989), (131, 10016), (137, 10043), (157, 10115), (160, 10127), (164, 10145), (167, 10151), (178, 10214), (190, 10259), (200, 10301), (205, 10331), (222, 10502), (223, 10523), (224, 10529), (231, 10601), (236, 10664), (241, 10742), (244, 10748), (266, 10799), (271, 10838), (275, 10859), (276, 10865), (280, 10889), (288, 10940), (289, 10943), (292, 10973), (300, 11030), (302, 11042), (303, 11057), (307, 11084), (314, 11126), (323, 11171), (324, 11174), (329, 11204), (333, 11267), (334, 11273), (335, 11276), (338, 11288), (348, 11384), (350, 11426), (357, 11495), (364, 11573), (370, 11627), (377, 11672), (378, 11675), (379, 11702), (386, 11768), (389, 11783), (391, 11804), (394, 11843), (404, 11897), (410, 11924), (415, 11936), (427, 11984),

Gene: CamL_9 Start: 6357, Stop: 8930, Start Num: 30

Candidate Starts for CamL_9:

(22, 6228), (Start: 30 @6357 has 463 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (89, 6594), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (167, 6975), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (388, 8595), (395, 8664), (402, 8730),

Gene: CampRoach_9 Start: 6357, Stop: 8930, Start Num: 30

Candidate Starts for CampRoach_9:

(22, 6228), (Start: 30 @6357 has 463 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (209, 7197), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (313, 7953), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490),

(380, 8526), (394, 8661), (395, 8664), (402, 8730),

Gene: Cannibal_9 Start: 6360, Stop: 8933, Start Num: 30

Candidate Starts for Cannibal_9:

(22, 6231), (Start: 30 @6360 has 463 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (89, 6597), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Carthage_9 Start: 6361, Stop: 8934, Start Num: 30

Candidate Starts for Carthage_9:

(22, 6232), (Start: 30 @6361 has 463 MA's), (40, 6412), (42, 6424), (45, 6439), (Start: 50 @6463 has 1 MA's), (65, 6523), (71, 6544), (94, 6616), (101, 6646), (113, 6724), (Start: 114 @6739 has 1 MA's), (122, 6775), (128, 6790), (133, 6811), (158, 6931), (159, 6937), (160, 6940), (167, 6979), (179, 7051), (185, 7075), (186, 7084), (189, 7105), (200, 7150), (202, 7165), (211, 7213), (215, 7228), (231, 7453), (238, 7552), (243, 7597), (271, 7675), (276, 7702), (280, 7726), (292, 7810), (302, 7879), (320, 7984), (321, 7987), (328, 8026), (329, 8029), (334, 8098), (335, 8101), (340, 8134), (346, 8191), (350, 8254), (352, 8272), (357, 8323), (361, 8353), (368, 8413), (371, 8452), (375, 8485), (377, 8494), (380, 8530), (388, 8599), (395, 8668), (402, 8734),

Gene: Casbah_11 Start: 8060, Stop: 10492, Start Num: 30

Candidate Starts for Casbah_11:

(Start: 30 @8060 has 463 MA's), (Start: 49 @8159 has 2 MA's), (Start: 50 @8162 has 1 MA's), (62, 8207), (65, 8231), (66, 8234), (77, 8279), (92, 8318), (105, 8369), (118, 8399), (132, 8429), (140, 8456), (142, 8462), (155, 8528), (183, 8612), (185, 8618), (186, 8627), (187, 8630), (190, 8651), (202, 8708), (220, 8864), (223, 8924), (243, 9146), (271, 9242), (280, 9293), (288, 9344), (310, 9506), (320, 9563), (321, 9566), (323, 9575), (334, 9677), (346, 9770), (352, 9851), (380, 10109), (386, 10169), (389, 10184), (393, 10238), (405, 10322), (407, 10334), (425, 10403),

Gene: Caspiboi_9 Start: 6360, Stop: 8933, Start Num: 30

Candidate Starts for Caspiboi_9:

(22, 6231), (Start: 30 @6360 has 463 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (209, 7200), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (313, 7956), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (394, 8664), (395, 8667), (402, 8733),

Gene: Caterpie_7 Start: 5020, Stop: 8334, Start Num: 2

Candidate Starts for Caterpie_7:

(Start: 2 @5020 has 1 MA's), (Start: 3 @5023 has 3 MA's), (4, 5050), (6, 5137), (8, 5161), (9, 5197), (10, 5218), (11, 5260), (12, 5299), (13, 5311), (15, 5356), (16, 5368), (17, 5380), (19, 5401), (23, 5521), (24, 5554), (33, 5653), (34, 5656), (38, 5677), (42, 5701), (51, 5743), (63, 5776), (67, 5806), (69, 5812), (71, 5833), (72, 5836), (86, 5887), (87, 5890), (95, 5929), (98, 5950), (130, 6115), (132, 6124), (136, 6136), (147, 6199), (157, 6253), (181, 6403), (193, 6466), (196, 6484), (199, 6535), (204, 6571), (207, 6589), (212, 6619), (213, 6622), (221, 6730), (224, 6790), (228, 6823), (231, 6862), (236, 6928), (238, 6964), (243, 7009), (261, 7033), (268, 7087), (271, 7117), (276, 7144), (283, 7183), (294, 7270), (300,

7309), (306, 7360), (318, 7414), (322, 7426), (335, 7537), (340, 7570), (364, 7834), (371, 7891), (374, 7918), (375, 7924), (380, 7969), (382, 7987), (387, 8035), (393, 8098), (394, 8104), (395, 8107), (399, 8140), (404, 8158), (410, 8185), (427, 8251), (443, 8329),

Gene: ChaChing_12 Start: 8223, Stop: 10655, Start Num: 30

Candidate Starts for ChaChing_12:

(Start: 30 @8223 has 463 MA's), (Start: 49 @8322 has 2 MA's), (Start: 50 @8325 has 1 MA's), (62, 8370), (65, 8394), (66, 8397), (77, 8442), (92, 8481), (105, 8532), (118, 8562), (132, 8592), (140, 8619), (143, 8628), (155, 8691), (183, 8775), (185, 8781), (186, 8790), (187, 8793), (190, 8814), (202, 8871), (220, 9027), (223, 9087), (243, 9309), (271, 9405), (280, 9456), (288, 9507), (310, 9669), (320, 9726), (321, 9729), (323, 9738), (334, 9840), (346, 9933), (352, 10014), (380, 10272), (386, 10332), (389, 10347), (393, 10401), (405, 10485), (407, 10497), (425, 10566),

Gene: Chaelin_9 Start: 6358, Stop: 8949, Start Num: 30

Candidate Starts for Chaelin_9:

(22, 6229), (Start: 30 @6358 has 463 MA's), (40, 6409), (42, 6421), (45, 6436), (Start: 50 @6460 has 1 MA's), (65, 6520), (71, 6541), (94, 6613), (101, 6643), (113, 6721), (Start: 114 @6736 has 1 MA's), (122, 6772), (128, 6787), (133, 6808), (158, 6928), (159, 6934), (160, 6937), (179, 7048), (185, 7072), (186, 7081), (189, 7102), (200, 7147), (202, 7162), (209, 7198), (211, 7210), (215, 7225), (231, 7450), (238, 7549), (243, 7594), (271, 7672), (276, 7699), (280, 7723), (292, 7807), (302, 7876), (313, 7954), (320, 7981), (321, 7984), (328, 8023), (329, 8026), (334, 8095), (335, 8098), (340, 8131), (346, 8188), (350, 8251), (352, 8269), (357, 8320), (361, 8350), (368, 8410), (371, 8449), (375, 8482), (377, 8491), (380, 8527), (395, 8665), (402, 8731),

Gene: Chah_9 Start: 6358, Stop: 8931, Start Num: 30

Candidate Starts for Chah_9:

(22, 6229), (Start: 30 @6358 has 463 MA's), (40, 6409), (42, 6421), (45, 6436), (Start: 50 @6460 has 1 MA's), (65, 6520), (71, 6541), (89, 6595), (94, 6613), (101, 6643), (113, 6721), (Start: 114 @6736 has 1 MA's), (122, 6772), (128, 6787), (133, 6808), (158, 6928), (159, 6934), (160, 6937), (167, 6976), (179, 7048), (185, 7072), (186, 7081), (189, 7102), (200, 7147), (202, 7162), (211, 7210), (215, 7225), (231, 7450), (238, 7549), (243, 7594), (271, 7672), (276, 7699), (280, 7723), (292, 7807), (302, 7876), (320, 7981), (321, 7984), (328, 8023), (329, 8026), (334, 8095), (335, 8098), (340, 8131), (346, 8188), (350, 8251), (352, 8269), (357, 8320), (361, 8350), (368, 8410), (371, 8449), (375, 8482), (377, 8491), (380, 8527), (388, 8596), (395, 8665), (402, 8731),

Gene: Chalmers_12 Start: 8998, Stop: 11445, Start Num: 30

Candidate Starts for Chalmers_12:

(Start: 30 @8998 has 463 MA's), (Start: 49 @9097 has 2 MA's), (Start: 50 @9100 has 1 MA's), (62, 9145), (65, 9169), (66, 9172), (77, 9217), (92, 9256), (105, 9307), (118, 9337), (132, 9367), (140, 9394), (142, 9400), (155, 9466), (183, 9550), (185, 9556), (186, 9565), (187, 9568), (190, 9589), (202, 9646), (220, 9802), (223, 9862), (243, 10084), (271, 10180), (280, 10231), (288, 10282), (310, 10444), (320, 10501), (321, 10504), (323, 10513), (334, 10615), (346, 10708), (352, 10789), (380, 11047), (386, 11107), (389, 11122), (393, 11176), (405, 11260), (407, 11272), (425, 11341),

Gene: Chandler_12 Start: 8971, Stop: 11418, Start Num: 30

Candidate Starts for Chandler_12:

(Start: 30 @8971 has 463 MA's), (Start: 49 @9070 has 2 MA's), (Start: 50 @9073 has 1 MA's), (62, 9118), (65, 9142), (66, 9145), (77, 9190), (92, 9229), (105, 9280), (118, 9310), (132, 9340), (140, 9367), (142, 9373), (155, 9439), (185, 9529), (186, 9538), (187, 9541), (190, 9562), (202, 9619), (220, 9775), (223, 9835), (243, 10057), (271, 10153), (280, 10204), (288, 10255), (310, 10417), (320, 10474), (321, 10477), (323, 10486), (334, 10588), (346, 10681), (352, 10762), (380, 11020), (386, 11080), (389, 11095), (393, 11149), (405, 11233), (407, 11245), (425, 11314),

Gene: Charles1_9 Start: 6360, Stop: 8933, Start Num: 30

Candidate Starts for Charles1_9:

(22, 6231), (Start: 30 @6360 has 463 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (89, 6597), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: CharlieGBrown_9 Start: 6357, Stop: 8951, Start Num: 30

Candidate Starts for CharlieGBrown_9:

(Start: 30 @6357 has 463 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (209, 7197), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (313, 7953), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (394, 8661), (395, 8664), (402, 8730),

Gene: CharlottesWeb_9 Start: 7144, Stop: 9585, Start Num: 31

Candidate Starts for CharlottesWeb_9:

(Start: 30 @7141 has 463 MA's), (Start: 31 @7144 has 1 MA's), (Start: 35 @7159 has 1 MA's), (46, 7225), (47, 7228), (72, 7327), (89, 7378), (91, 7384), (120, 7453), (140, 7525), (141, 7528), (152, 7576), (155, 7597), (161, 7630), (185, 7681), (190, 7714), (198, 7744), (200, 7756), (202, 7771), (234, 8092), (243, 8230), (262, 8305), (266, 8329), (267, 8332), (268, 8338), (271, 8368), (275, 8389), (277, 8404), (280, 8419), (284, 8440), (291, 8500), (292, 8503), (295, 8524), (303, 8587), (313, 8653), (318, 8668), (320, 8680), (333, 8788), (335, 8797), (341, 8845), (347, 8887), (352, 8965), (363, 9061), (366, 9103), (370, 9145), (380, 9226), (389, 9301), (391, 9322), (392, 9343), (396, 9373), (403, 9406), (425, 9496), (429, 9508),

Gene: CheetO_9 Start: 6360, Stop: 8933, Start Num: 30

Candidate Starts for CheetO_9:

(22, 6231), (Start: 30 @6360 has 463 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Chentzyk_11 Start: 8084, Stop: 10531, Start Num: 30

Candidate Starts for Chentzyk_11:

(Start: 30 @8084 has 463 MA's), (Start: 49 @8183 has 2 MA's), (Start: 50 @8186 has 1 MA's), (62, 8231), (65, 8255), (73, 8288), (77, 8303), (92, 8342), (105, 8393), (118, 8423), (132, 8453), (140, 8480), (143, 8489), (155, 8552), (183, 8636), (185, 8642), (186, 8651), (187, 8654), (190, 8675), (202, 8732), (211, 8786), (220, 8888), (223, 8948), (226, 8975), (243, 9170), (271, 9266), (280, 9317), (288, 9368), (310, 9530), (320, 9587), (321, 9590), (323, 9599), (334, 9701), (346, 9794), (352, 9875), (380, 10133), (386, 10193), (389, 10208), (393, 10262), (405, 10346), (407, 10358), (425, 10427),

Gene: Cher_9 Start: 6360, Stop: 8933, Start Num: 30

Candidate Starts for Cher_9:

(22, 6231), (Start: 30 @6360 has 463 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (89, 6597), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Childish_9 Start: 6360, Stop: 8933, Start Num: 30

Candidate Starts for Childish_9:

(22, 6231), (Start: 30 @6360 has 463 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Chipette_10 Start: 6595, Stop: 9168, Start Num: 30

Candidate Starts for Chipette_10:

(22, 6466), (Start: 30 @6595 has 463 MA's), (40, 6646), (42, 6658), (45, 6673), (Start: 50 @6697 has 1 MA's), (65, 6757), (71, 6778), (94, 6850), (101, 6880), (113, 6958), (Start: 114 @6973 has 1 MA's), (122, 7009), (128, 7024), (133, 7045), (158, 7165), (159, 7171), (160, 7174), (179, 7285), (185, 7309), (186, 7318), (189, 7339), (200, 7384), (202, 7399), (211, 7447), (215, 7462), (231, 7687), (238, 7786), (243, 7831), (271, 7909), (276, 7936), (280, 7960), (292, 8044), (302, 8113), (320, 8218), (321, 8221), (328, 8260), (329, 8263), (334, 8332), (335, 8335), (340, 8368), (346, 8425), (350, 8488), (352, 8506), (357, 8557), (361, 8587), (368, 8647), (371, 8686), (375, 8719), (377, 8728), (380, 8764), (388, 8833), (395, 8902), (402, 8968),

Gene: Chorkpop_9 Start: 6360, Stop: 8933, Start Num: 30

Candidate Starts for Chorkpop_9:

(22, 6231), (Start: 30 @6360 has 463 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: ChrisnMich_9 Start: 7532, Stop: 10039, Start Num: 30

Candidate Starts for ChrisnMich_9:

(Start: 30 @7532 has 463 MA's), (39, 7574), (63, 7697), (76, 7760), (81, 7775), (85, 7784), (89, 7793), (94, 7811), (95, 7820), (101, 7832), (106, 7847), (143, 7949), (145, 7958), (152, 7991), (155, 8012), (157, 8021), (159, 8030), (160, 8033), (164, 8057), (165, 8066), (167, 8072), (171, 8096), (174, 8114), (176, 8120), (186, 8165), (192, 8198), (202, 8246), (203, 8249), (211, 8288), (219, 8387), (243, 8663), (271, 8804), (276, 8831), (279, 8852), (280, 8855), (287, 8900), (290, 8924), (302, 9008), (317, 9098), (320, 9116), (328, 9158), (330, 9188), (335, 9233), (340, 9266), (341, 9281), (346, 9323), (348, 9344), (351, 9401), (352, 9404), (355, 9434), (357, 9455), (361, 9485), (363, 9500), (364, 9527), (367, 9539),

(371, 9584), (372, 9590), (377, 9626), (380, 9662), (386, 9722), (389, 9737), (391, 9758), (395, 9800), (410, 9881), (415, 9893), (434, 9974), (436, 9995),

Gene: Chuni_9 Start: 6358, Stop: 8949, Start Num: 30

Candidate Starts for Chuni_9:

(22, 6229), (Start: 30 @6358 has 463 MA's), (40, 6409), (42, 6421), (45, 6436), (Start: 50 @6460 has 1 MA's), (65, 6520), (71, 6541), (94, 6613), (101, 6643), (113, 6721), (Start: 114 @6736 has 1 MA's), (122, 6772), (128, 6787), (133, 6808), (158, 6928), (159, 6934), (160, 6937), (179, 7048), (185, 7072), (186, 7081), (189, 7102), (200, 7147), (202, 7162), (209, 7198), (211, 7210), (215, 7225), (231, 7450), (238, 7549), (243, 7594), (271, 7672), (276, 7699), (280, 7723), (292, 7807), (302, 7876), (313, 7954), (320, 7981), (321, 7984), (328, 8023), (329, 8026), (334, 8095), (335, 8098), (340, 8131), (346, 8188), (350, 8251), (352, 8269), (357, 8320), (361, 8350), (368, 8410), (371, 8449), (375, 8482), (377, 8491), (380, 8527), (395, 8665), (402, 8731),

Gene: Chunky_9 Start: 6360, Stop: 8933, Start Num: 30

Candidate Starts for Chunky_9:

(22, 6231), (Start: 30 @6360 has 463 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (209, 7200), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Chute_9 Start: 6357, Stop: 8948, Start Num: 30

Candidate Starts for Chute_9:

(22, 6228), (Start: 30 @6357 has 463 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (209, 7197), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (313, 7953), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (395, 8664), (402, 8730),

Gene: Clawz_42 Start: 20062, Stop: 22854, Start Num: 30

Candidate Starts for Clawz_42:

(Start: 30 @20062 has 463 MA's), (77, 20254), (79, 20260), (82, 20266), (84, 20269), (93, 20290), (124, 20365), (128, 20377), (140, 20410), (154, 20470), (160, 20494), (162, 20506), (164, 20518), (187, 20587), (190, 20608), (197, 20638), (210, 20710), (211, 20719), (225, 20890), (235, 21016), (245, 21091), (274, 21166), (280, 21202), (296, 21325), (298, 21337), (299, 21340), (302, 21361), (315, 21448), (320, 21505), (322, 21511), (326, 21532), (327, 21535), (339, 21664), (369, 22048), (375, 22087), (376, 22090), (377, 22096), (383, 22177), (385, 22195), (390, 22219), (394, 22285), (397, 22303), (401, 22354), (403, 22360), (413, 22399), (446, 22636), (447, 22732), (448, 22753), (449, 22786), (450, 22819), (451, 22831), (452, 22837),

Gene: CloverMinnie_11 Start: 8617, Stop: 11028, Start Num: 30

Candidate Starts for CloverMinnie_11:

(Start: 30 @8617 has 463 MA's), (41, 8665), (73, 8812), (129, 8959), (137, 8992), (138, 8998), (143, 9019), (160, 9103), (166, 9136), (182, 9151), (202, 9253), (224, 9466), (243, 9673), (253, 9700), (266, 9772), (267, 9775), (268, 9781), (271, 9811), (277, 9847), (280, 9862), (284, 9883), (287, 9907), (288, 9913), (292, 9946), (295, 9967), (318, 10111), (320, 10123), (348, 10351), (350, 10393), (357, 10462),

(363, 10507), (371, 10591), (377, 10633), (381, 10675), (410, 10879), (423, 10933),

Gene: Cobra_9 Start: 6357, Stop: 8930, Start Num: 30

Candidate Starts for Cobra_9:

(22, 6228), (Start: 30 @6357 has 463 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (167, 6975), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (313, 7953), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (395, 8664), (402, 8730), (419, 8793),

Gene: Coco2012_9 Start: 7141, Stop: 9585, Start Num: 30

Candidate Starts for Coco2012_9:

(Start: 30 @7141 has 463 MA's), (Start: 31 @7144 has 1 MA's), (Start: 35 @7159 has 1 MA's), (46, 7225), (47, 7228), (53, 7246), (72, 7327), (89, 7378), (91, 7384), (120, 7453), (140, 7525), (141, 7528), (152, 7576), (155, 7597), (161, 7630), (185, 7681), (190, 7714), (198, 7744), (200, 7756), (202, 7771), (223, 7978), (234, 8092), (243, 8230), (262, 8305), (266, 8329), (267, 8332), (268, 8338), (271, 8368), (275, 8389), (277, 8404), (280, 8419), (284, 8440), (291, 8500), (295, 8524), (303, 8587), (313, 8653), (318, 8668), (320, 8680), (333, 8788), (335, 8797), (341, 8845), (347, 8887), (352, 8965), (353, 8968), (363, 9061), (366, 9103), (380, 9226), (389, 9301), (391, 9322), (392, 9343), (396, 9373), (404, 9409), (406, 9424), (425, 9496),

Gene: Coffee_13 Start: 9734, Stop: 12181, Start Num: 30

Candidate Starts for Coffee_13:

(Start: 30 @9734 has 463 MA's), (41, 9788), (54, 9848), (76, 9941), (78, 9947), (84, 9962), (91, 9983), (96, 10013), (116, 10094), (117, 10097), (120, 10106), (131, 10133), (137, 10160), (157, 10232), (160, 10244), (164, 10262), (167, 10268), (178, 10331), (190, 10376), (200, 10418), (205, 10448), (222, 10619), (223, 10640), (224, 10646), (231, 10718), (236, 10781), (241, 10859), (244, 10865), (266, 10916), (271, 10955), (275, 10976), (276, 10982), (280, 11006), (288, 11057), (289, 11060), (292, 11090), (300, 11147), (302, 11159), (303, 11174), (307, 11201), (314, 11243), (323, 11288), (324, 11291), (329, 11321), (333, 11384), (334, 11390), (335, 11393), (338, 11405), (348, 11501), (350, 11543), (357, 11612), (364, 11690), (370, 11744), (377, 11789), (378, 11792), (379, 11819), (386, 11885), (389, 11900), (391, 11921), (394, 11960), (404, 12014), (410, 12041), (415, 12053), (427, 12101),

Gene: Colbert_9 Start: 6357, Stop: 8930, Start Num: 30

Candidate Starts for Colbert_9:

(22, 6228), (Start: 30 @6357 has 463 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (388, 8595), (395, 8664), (402, 8730),

Gene: ColdSoup_43 Start: 20153, Stop: 22936, Start Num: 30

Candidate Starts for ColdSoup_43:

(21, 19991), (Start: 30 @20153 has 463 MA's), (32, 20162), (68, 20321), (82, 20357), (84, 20360), (93, 20381), (103, 20420), (160, 20585), (162, 20597), (164, 20609), (183, 20660), (187, 20678), (194, 20717), (225, 20981), (230, 21050), (235, 21107), (245, 21182), (274, 21257), (280, 21293), (296,

21416), (302, 21452), (312, 21518), (315, 21539), (320, 21596), (322, 21602), (327, 21626), (332, 21689), (344, 21788), (375, 22169), (376, 22172), (377, 22178), (383, 22259), (394, 22367), (401, 22436), (403, 22442), (413, 22481), (433, 22571), (445, 22658), (447, 22814), (448, 22835), (449, 22868), (450, 22901), (452, 22919),

Gene: Coldpizza_11 Start: 9057, Stop: 11468, Start Num: 30

Candidate Starts for Coldpizza_11:

(Start: 30 @9057 has 463 MA's), (57, 9180), (81, 9282), (85, 9291), (121, 9381), (123, 9384), (128, 9393), (140, 9438), (163, 9549), (164, 9555), (182, 9591), (186, 9612), (187, 9615), (190, 9636), (200, 9678), (223, 9900), (232, 9978), (240, 10095), (253, 10137), (271, 10251), (280, 10302), (285, 10332), (306, 10494), (320, 10563), (329, 10608), (333, 10671), (334, 10677), (335, 10680), (347, 10770), (374, 11055), (380, 11106), (386, 11166), (400, 11286), (418, 11340), (426, 11382), (430, 11400), (442, 11457),

Gene: Coletti_9 Start: 6357, Stop: 8948, Start Num: 30

Candidate Starts for Coletti_9:

(22, 6228), (Start: 30 @6357 has 463 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (209, 7197), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (313, 7953), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (395, 8664), (402, 8730),

Gene: Compostia_12 Start: 8216, Stop: 10648, Start Num: 30

Candidate Starts for Compostia_12:

(Start: 30 @8216 has 463 MA's), (Start: 49 @8315 has 2 MA's), (Start: 50 @8318 has 1 MA's), (62, 8363), (65, 8387), (66, 8390), (77, 8435), (92, 8474), (105, 8525), (118, 8555), (132, 8585), (140, 8612), (142, 8618), (155, 8684), (183, 8768), (185, 8774), (186, 8783), (187, 8786), (190, 8807), (202, 8864), (220, 9020), (223, 9080), (243, 9302), (271, 9398), (280, 9449), (288, 9500), (310, 9662), (320, 9719), (321, 9722), (323, 9731), (334, 9833), (346, 9926), (352, 10007), (380, 10265), (386, 10325), (389, 10340), (393, 10394), (405, 10478), (407, 10490), (425, 10559),

Gene: Cooper_10 Start: 7593, Stop: 10112, Start Num: 30

Candidate Starts for Cooper_10:

(Start: 28 @7587 has 1 MA's), (Start: 30 @7593 has 463 MA's), (39, 7635), (44, 7668), (63, 7758), (76, 7821), (81, 7836), (85, 7845), (89, 7854), (94, 7872), (95, 7881), (101, 7893), (106, 7908), (143, 8010), (145, 8019), (152, 8052), (155, 8073), (157, 8082), (159, 8091), (160, 8094), (164, 8118), (165, 8127), (171, 8157), (176, 8181), (178, 8190), (186, 8226), (192, 8259), (202, 8307), (203, 8310), (211, 8349), (231, 8589), (243, 8724), (271, 8880), (272, 8883), (276, 8907), (279, 8928), (280, 8931), (288, 8982), (292, 9015), (302, 9084), (306, 9123), (317, 9174), (320, 9192), (328, 9234), (329, 9237), (330, 9264), (335, 9309), (346, 9399), (351, 9474), (352, 9477), (355, 9507), (357, 9528), (361, 9558), (363, 9573), (364, 9600), (367, 9612), (371, 9657), (372, 9663), (377, 9699), (380, 9735), (386, 9795), (389, 9810), (391, 9831), (395, 9873), (410, 9954), (415, 9966), (434, 10047), (436, 10068),

Gene: Cornbread_9 Start: 6360, Stop: 8933, Start Num: 30

Candidate Starts for Cornbread_9:

(22, 6231), (Start: 30 @6360 has 463 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (209, 7200), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (313, 7956),

(320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (395, 8667), (402, 8733),

Gene: Cornobble_9 Start: 6358, Stop: 8931, Start Num: 30

Candidate Starts for Cornobble_9:

(22, 6229), (Start: 30 @6358 has 463 MA's), (40, 6409), (42, 6421), (45, 6436), (Start: 50 @6460 has 1 MA's), (65, 6520), (71, 6541), (94, 6613), (101, 6643), (113, 6721), (Start: 114 @6736 has 1 MA's), (122, 6772), (128, 6787), (133, 6808), (158, 6928), (159, 6934), (160, 6937), (167, 6976), (179, 7051), (185, 7075), (186, 7084), (189, 7105), (200, 7150), (202, 7165), (211, 7213), (215, 7228), (231, 7453), (238, 7552), (243, 7597), (271, 7675), (276, 7702), (280, 7726), (292, 7810), (302, 7879), (320, 7984), (321, 7987), (328, 8026), (329, 8029), (334, 8098), (335, 8101), (340, 8134), (346, 8191), (350, 8254), (352, 8272), (357, 8323), (361, 8353), (368, 8413), (371, 8452), (375, 8485), (377, 8494), (380, 8530), (388, 8599), (395, 8668), (402, 8734),

Gene: Corofin_12 Start: 8233, Stop: 10665, Start Num: 30

Candidate Starts for Corofin_12:

(Start: 30 @8233 has 463 MA's), (Start: 49 @8332 has 2 MA's), (Start: 50 @8335 has 1 MA's), (62, 8380), (65, 8404), (66, 8407), (77, 8452), (92, 8491), (105, 8542), (118, 8572), (132, 8602), (140, 8629), (142, 8635), (155, 8701), (183, 8785), (185, 8791), (186, 8800), (187, 8803), (190, 8824), (202, 8881), (220, 9037), (223, 9097), (243, 9319), (271, 9415), (280, 9466), (288, 9517), (310, 9679), (320, 9736), (321, 9739), (323, 9748), (334, 9850), (346, 9943), (352, 10024), (380, 10282), (386, 10342), (389, 10357), (393, 10411), (405, 10495), (407, 10507), (425, 10576),

Gene: Cosmolli16_9 Start: 6358, Stop: 8931, Start Num: 30

Candidate Starts for Cosmolli16_9:

(22, 6229), (Start: 30 @6358 has 463 MA's), (40, 6409), (42, 6421), (45, 6436), (Start: 50 @6460 has 1 MA's), (65, 6520), (71, 6541), (89, 6595), (94, 6613), (101, 6643), (113, 6721), (Start: 114 @6736 has 1 MA's), (122, 6772), (128, 6787), (133, 6808), (158, 6928), (159, 6934), (160, 6937), (167, 6976), (179, 7048), (185, 7072), (186, 7081), (189, 7102), (200, 7147), (202, 7162), (211, 7210), (215, 7225), (231, 7450), (238, 7549), (243, 7594), (271, 7672), (276, 7699), (280, 7723), (292, 7807), (302, 7876), (320, 7981), (321, 7984), (328, 8023), (329, 8026), (334, 8095), (335, 8098), (340, 8131), (346, 8188), (350, 8251), (352, 8269), (357, 8320), (361, 8350), (368, 8410), (371, 8449), (375, 8482), (377, 8491), (380, 8527), (388, 8596), (395, 8665), (402, 8731),

Gene: Craff_9 Start: 6360, Stop: 8933, Start Num: 30

Candidate Starts for Craff_9:

(22, 6231), (Start: 30 @6360 has 463 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (89, 6597), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Crownjwl_10 Start: 6595, Stop: 9165, Start Num: 30

Candidate Starts for Crownjwl_10:

(22, 6466), (Start: 30 @6595 has 463 MA's), (40, 6646), (42, 6658), (45, 6673), (Start: 50 @6697 has 1 MA's), (65, 6757), (71, 6778), (94, 6850), (101, 6880), (113, 6958), (Start: 114 @6973 has 1 MA's), (122, 7009), (128, 7024), (133, 7045), (158, 7165), (159, 7171), (160, 7174), (179, 7285), (185, 7309), (186, 7318), (189, 7339), (200, 7384), (202, 7399), (211, 7447), (215, 7462), (231, 7687), (238, 7786), (243, 7831), (271, 7909), (276, 7936), (280, 7960), (292, 8044), (302, 8113), (320, 8218), (321, 8221),

(328, 8260), (329, 8263), (334, 8332), (335, 8335), (340, 8368), (346, 8425), (350, 8488), (352, 8506), (357, 8557), (361, 8587), (368, 8647), (371, 8686), (375, 8719), (377, 8728), (380, 8764), (388, 8833), (395, 8902), (402, 8968),

Gene: DaddyDaniels_9 Start: 6359, Stop: 8932, Start Num: 30

Candidate Starts for DaddyDaniels_9:

(22, 6230), (Start: 30 @6359 has 463 MA's), (40, 6410), (42, 6422), (45, 6437), (Start: 50 @6461 has 1 MA's), (65, 6521), (71, 6542), (94, 6614), (101, 6644), (113, 6722), (Start: 114 @6737 has 1 MA's), (122, 6773), (128, 6788), (133, 6809), (158, 6929), (159, 6935), (160, 6938), (167, 6977), (179, 7049), (185, 7073), (186, 7082), (189, 7103), (200, 7148), (202, 7163), (209, 7199), (211, 7211), (215, 7226), (231, 7451), (238, 7550), (243, 7595), (271, 7673), (276, 7700), (280, 7724), (292, 7808), (302, 7877), (313, 7955), (320, 7982), (321, 7985), (328, 8024), (329, 8027), (334, 8096), (335, 8099), (340, 8132), (346, 8189), (350, 8252), (352, 8270), (357, 8321), (361, 8351), (368, 8411), (371, 8450), (375, 8483), (377, 8492), (380, 8528), (395, 8666), (402, 8732),

Gene: Daffy_9 Start: 6360, Stop: 8933, Start Num: 30

Candidate Starts for Daffy_9:

(22, 6231), (Start: 30 @6360 has 463 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Daisy_12 Start: 8211, Stop: 10658, Start Num: 30

Candidate Starts for Daisy_12:

(Start: 30 @8211 has 463 MA's), (Start: 49 @8310 has 2 MA's), (Start: 50 @8313 has 1 MA's), (62, 8358), (65, 8382), (66, 8385), (77, 8430), (92, 8469), (105, 8520), (118, 8550), (132, 8580), (140, 8607), (142, 8613), (155, 8679), (183, 8763), (185, 8769), (186, 8778), (187, 8781), (190, 8802), (202, 8859), (220, 9015), (223, 9075), (243, 9297), (271, 9393), (280, 9444), (288, 9495), (310, 9657), (320, 9714), (321, 9717), (323, 9726), (334, 9828), (346, 9921), (352, 10002), (380, 10260), (386, 10320), (389, 10335), (393, 10389), (405, 10473), (407, 10485), (425, 10554),

Gene: Daka_9 Start: 6363, Stop: 8936, Start Num: 30

Candidate Starts for Daka_9:

(22, 6234), (Start: 30 @6363 has 463 MA's), (40, 6414), (42, 6426), (45, 6441), (Start: 50 @6465 has 1 MA's), (65, 6525), (71, 6546), (94, 6618), (101, 6648), (113, 6726), (Start: 114 @6741 has 1 MA's), (122, 6777), (128, 6792), (133, 6813), (158, 6933), (159, 6939), (160, 6942), (179, 7053), (185, 7077), (186, 7086), (189, 7107), (200, 7152), (202, 7167), (211, 7215), (215, 7230), (231, 7455), (238, 7554), (243, 7599), (271, 7677), (276, 7704), (280, 7728), (292, 7812), (302, 7881), (320, 7986), (321, 7989), (328, 8028), (329, 8031), (334, 8100), (335, 8103), (340, 8136), (346, 8193), (350, 8256), (352, 8274), (357, 8325), (361, 8355), (368, 8415), (371, 8454), (375, 8487), (377, 8496), (380, 8532), (388, 8601), (395, 8670), (402, 8736),

Gene: Dati_9 Start: 6357, Stop: 8930, Start Num: 30

Candidate Starts for Dati_9:

(22, 6228), (Start: 30 @6357 has 463 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (159, 6933), (160, 6936), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (209, 7197), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (313, 7953), (320, 7980),

(321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (394, 8661), (395, 8664), (402, 8730),

Gene: Deenasa_12 Start: 8971, Stop: 11403, Start Num: 30

Candidate Starts for Deenasa_12:

(Start: 30 @8971 has 463 MA's), (Start: 49 @9070 has 2 MA's), (Start: 50 @9073 has 1 MA's), (62, 9118), (65, 9142), (66, 9145), (77, 9190), (92, 9229), (105, 9280), (118, 9310), (132, 9340), (140, 9367), (142, 9373), (155, 9439), (183, 9523), (185, 9529), (186, 9538), (187, 9541), (190, 9562), (202, 9619), (220, 9775), (223, 9835), (243, 10057), (271, 10153), (280, 10204), (288, 10255), (310, 10417), (321, 10477), (323, 10486), (334, 10588), (346, 10681), (352, 10762), (380, 11020), (386, 11080), (389, 11095), (393, 11149), (405, 11233), (407, 11245), (425, 11314),

Gene: DelRivs_9 Start: 6359, Stop: 8932, Start Num: 30

Candidate Starts for DelRivs_9:

(22, 6230), (Start: 30 @6359 has 463 MA's), (40, 6410), (42, 6422), (45, 6437), (Start: 50 @6461 has 1 MA's), (65, 6521), (71, 6542), (94, 6614), (101, 6644), (113, 6722), (Start: 114 @6737 has 1 MA's), (122, 6773), (128, 6788), (133, 6809), (158, 6929), (159, 6935), (160, 6938), (167, 6977), (179, 7049), (185, 7073), (186, 7082), (189, 7103), (200, 7148), (202, 7163), (209, 7199), (211, 7211), (215, 7226), (231, 7451), (238, 7550), (243, 7595), (271, 7673), (276, 7700), (280, 7724), (292, 7808), (302, 7877), (313, 7955), (320, 7982), (321, 7985), (328, 8024), (329, 8027), (334, 8096), (335, 8099), (340, 8132), (346, 8189), (350, 8252), (352, 8270), (357, 8321), (361, 8351), (368, 8411), (371, 8450), (375, 8483), (377, 8492), (380, 8528), (395, 8666), (402, 8732),

Gene: Derpp_9 Start: 6357, Stop: 8939, Start Num: 30

Candidate Starts for Derpp_9:

(Start: 30 @6357 has 463 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (209, 7197), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (313, 7953), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (394, 8661), (395, 8664), (402, 8730),

Gene: Devonte_12 Start: 8208, Stop: 10640, Start Num: 30

Candidate Starts for Devonte_12:

(Start: 30 @8208 has 463 MA's), (Start: 49 @8307 has 2 MA's), (Start: 50 @8310 has 1 MA's), (62, 8355), (65, 8379), (66, 8382), (77, 8427), (92, 8466), (105, 8517), (118, 8547), (132, 8577), (140, 8604), (142, 8610), (155, 8676), (183, 8760), (185, 8766), (186, 8775), (187, 8778), (190, 8799), (202, 8856), (220, 9012), (223, 9072), (243, 9294), (271, 9390), (280, 9441), (288, 9492), (310, 9654), (320, 9711), (321, 9714), (323, 9723), (334, 9825), (346, 9918), (352, 9999), (380, 10257), (386, 10317), (389, 10332), (393, 10386), (405, 10470), (407, 10482), (425, 10551),

Gene: Dice_9 Start: 6359, Stop: 8932, Start Num: 30

Candidate Starts for Dice_9:

(22, 6230), (Start: 30 @6359 has 463 MA's), (40, 6410), (42, 6422), (45, 6437), (Start: 50 @6461 has 1 MA's), (65, 6521), (71, 6542), (89, 6596), (94, 6614), (101, 6644), (113, 6722), (Start: 114 @6737 has 1 MA's), (122, 6773), (128, 6788), (133, 6809), (158, 6929), (159, 6935), (160, 6938), (167, 6977), (179, 7049), (185, 7073), (186, 7082), (189, 7103), (200, 7148), (202, 7163), (211, 7211), (215, 7226), (231, 7451), (238, 7550), (243, 7595), (271, 7673), (276, 7700), (280, 7724), (292, 7808), (302, 7877), (320, 7982), (321, 7985), (328, 8024), (329, 8027), (334, 8096), (335, 8099), (340, 8132), (346, 8189), (350, 8252), (352, 8270), (357, 8321), (361, 8351), (368, 8411), (371, 8450), (375, 8483), (377, 8492), (380,

8528), (388, 8597), (395, 8666), (402, 8732),

Gene: DigitDog_11 Start: 8936, Stop: 11071, Start Num: 135

Candidate Starts for DigitDog_11:

(Start: 29 @8564 has 2 MA's), (Start: 30 @8567 has 463 MA's), (41, 8621), (45, 8645), (53, 8678), (63, 8714), (112, 8888), (124, 8903), (135, 8936), (143, 8966), (164, 9074), (178, 9137), (179, 9140), (185, 9164), (186, 9173), (187, 9176), (190, 9197), (211, 9302), (226, 9491), (243, 9674), (266, 9797), (270, 9815), (271, 9836), (280, 9887), (281, 9893), (292, 9980), (317, 10139), (320, 10157), (329, 10202), (334, 10271), (340, 10307), (341, 10322), (346, 10364), (352, 10445), (364, 10568), (371, 10625), (372, 10631), (380, 10703), (392, 10820), (410, 10919),

Gene: Dingo_9 Start: 6357, Stop: 8930, Start Num: 30

Candidate Starts for Dingo_9:

(22, 6228), (Start: 30 @6357 has 463 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (209, 7197), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (388, 8595), (395, 8664), (402, 8730),

Gene: Dione_9 Start: 6360, Stop: 8933, Start Num: 30

Candidate Starts for Dione_9:

(22, 6231), (Start: 30 @6360 has 463 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: DirtJuice_9 Start: 6360, Stop: 8933, Start Num: 30

Candidate Starts for DirtJuice_9:

(22, 6231), (Start: 30 @6360 has 463 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (209, 7200), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Doddsville_9 Start: 6357, Stop: 8930, Start Num: 30

Candidate Starts for Doddsville_9:

(22, 6228), (Start: 30 @6357 has 463 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (167, 6975), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (209, 7197), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (313, 7953), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481),

(377, 8490), (380, 8526), (395, 8664), (402, 8730),

Gene: DoesntMatter_9 Start: 6357, Stop: 8930, Start Num: 30

Candidate Starts for DoesntMatter_9:

(22, 6228), (Start: 30 @6357 has 463 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (89, 6594), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (167, 6975), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (388, 8595), (395, 8664), (402, 8730),

Gene: DolOn_11 Start: 6595, Stop: 9168, Start Num: 30

Candidate Starts for DolOn_11:

(22, 6466), (Start: 30 @6595 has 463 MA's), (40, 6646), (42, 6658), (45, 6673), (Start: 50 @6697 has 1 MA's), (65, 6757), (71, 6778), (94, 6850), (101, 6880), (113, 6958), (Start: 114 @6973 has 1 MA's), (122, 7009), (128, 7024), (133, 7045), (158, 7165), (159, 7171), (160, 7174), (179, 7285), (185, 7309), (186, 7318), (189, 7339), (200, 7384), (202, 7399), (211, 7447), (215, 7462), (231, 7687), (238, 7786), (243, 7831), (271, 7909), (276, 7936), (280, 7960), (292, 8044), (302, 8113), (320, 8218), (321, 8221), (328, 8260), (329, 8263), (334, 8332), (335, 8335), (340, 8368), (346, 8425), (350, 8488), (352, 8506), (357, 8557), (361, 8587), (368, 8647), (371, 8686), (375, 8719), (377, 8728), (380, 8764), (388, 8833), (395, 8902), (402, 8968),

Gene: DonSanchon_9 Start: 6360, Stop: 8933, Start Num: 30

Candidate Starts for DonSanchon_9:

(22, 6231), (Start: 30 @6360 has 463 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: DonTron_42 Start: 20223, Stop: 23006, Start Num: 30

Candidate Starts for DonTron_42:

(Start: 30 @20223 has 463 MA's), (32, 20232), (53, 20331), (68, 20391), (82, 20427), (84, 20430), (93, 20451), (103, 20490), (160, 20655), (162, 20667), (164, 20679), (183, 20730), (194, 20787), (225, 21051), (230, 21120), (235, 21177), (245, 21252), (274, 21327), (280, 21363), (296, 21486), (302, 21522), (312, 21588), (315, 21609), (320, 21666), (322, 21672), (327, 21696), (332, 21759), (344, 21858), (375, 22239), (376, 22242), (377, 22248), (383, 22329), (394, 22437), (401, 22506), (403, 22512), (413, 22551), (445, 22728), (447, 22884), (448, 22905), (449, 22938), (450, 22971), (452, 22989),

Gene: Donny_11 Start: 8560, Stop: 11070, Start Num: 30

Candidate Starts for Donny_11:

(Start: 29 @8557 has 2 MA's), (Start: 30 @8560 has 463 MA's), (41, 8614), (45, 8638), (53, 8671), (61, 8692), (63, 8707), (112, 8881), (124, 8896), (129, 8908), (135, 8929), (143, 8959), (160, 9043), (164, 9067), (185, 9157), (186, 9166), (187, 9169), (190, 9190), (211, 9295), (243, 9667), (266, 9796), (270, 9814), (271, 9835), (280, 9886), (281, 9892), (292, 9979), (317, 10138), (320, 10156), (329, 10201), (340, 10306), (341, 10321), (346, 10363), (352, 10444), (361, 10525), (364, 10567), (371, 10624), (372, 10630), (377, 10666), (380, 10702), (386, 10762), (393, 10831), (410, 10918),

Gene: Dori_8 Start: 5655, Stop: 8153, Start Num: 2

Candidate Starts for Dori_8:

(Start: 2 @5655 has 1 MA's), (Start: 3 @5658 has 3 MA's), (4, 5685), (6, 5772), (8, 5796), (10, 5853), (11, 5895), (12, 5934), (13, 5946), (15, 5991), (16, 6003), (17, 6015), (19, 6036), (23, 6156), (24, 6189), (33, 6288), (34, 6291), (38, 6312), (42, 6336), (51, 6378), (63, 6411), (67, 6441), (221, 6549), (228, 6642), (231, 6681), (236, 6747), (238, 6783), (243, 6828), (261, 6852), (268, 6906), (271, 6936), (275, 6957), (276, 6963), (283, 7002), (294, 7089), (300, 7128), (306, 7179), (318, 7233), (322, 7245), (335, 7356), (340, 7389), (364, 7653), (371, 7710), (374, 7737), (375, 7743), (380, 7788), (382, 7806), (387, 7854), (393, 7917), (394, 7923), (395, 7926), (399, 7959), (404, 7977), (410, 8004), (421, 8046), (427, 8070), (443, 8148),

Gene: DuchessDung_9 Start: 6357, Stop: 8933, Start Num: 30

Candidate Starts for DuchessDung_9:

(Start: 30 @6357 has 463 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (209, 7197), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (313, 7953), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (394, 8661), (395, 8664), (402, 8730),

Gene: Duggie_9 Start: 6359, Stop: 8932, Start Num: 30

Candidate Starts for Duggie_9:

(22, 6230), (Start: 30 @6359 has 463 MA's), (40, 6410), (42, 6422), (45, 6437), (Start: 50 @6461 has 1 MA's), (65, 6521), (71, 6542), (94, 6614), (101, 6644), (113, 6722), (Start: 114 @6737 has 1 MA's), (122, 6773), (128, 6788), (133, 6809), (158, 6929), (159, 6935), (160, 6938), (167, 6977), (179, 7049), (185, 7073), (186, 7082), (189, 7103), (200, 7148), (202, 7163), (209, 7199), (211, 7211), (215, 7226), (231, 7451), (238, 7550), (243, 7595), (271, 7673), (276, 7700), (280, 7724), (292, 7808), (302, 7877), (313, 7955), (320, 7982), (321, 7985), (328, 8024), (329, 8027), (334, 8096), (335, 8099), (340, 8132), (346, 8189), (350, 8252), (352, 8270), (357, 8321), (361, 8351), (368, 8411), (371, 8450), (375, 8483), (377, 8492), (380, 8528), (395, 8666), (402, 8732),

Gene: Durga_9 Start: 6356, Stop: 8947, Start Num: 30

Candidate Starts for Durga_9:

(22, 6227), (Start: 30 @6356 has 463 MA's), (40, 6407), (42, 6419), (45, 6434), (Start: 50 @6458 has 1 MA's), (65, 6518), (71, 6539), (94, 6611), (101, 6641), (113, 6719), (Start: 114 @6734 has 1 MA's), (122, 6770), (128, 6785), (133, 6806), (158, 6926), (159, 6932), (160, 6935), (167, 6974), (179, 7046), (185, 7070), (186, 7079), (189, 7100), (200, 7145), (202, 7160), (209, 7196), (211, 7208), (215, 7223), (231, 7448), (238, 7547), (243, 7592), (271, 7670), (276, 7697), (280, 7721), (292, 7805), (302, 7874), (313, 7952), (320, 7979), (321, 7982), (328, 8021), (329, 8024), (334, 8093), (335, 8096), (340, 8129), (346, 8186), (350, 8249), (352, 8267), (357, 8318), (361, 8348), (368, 8408), (371, 8447), (375, 8480), (377, 8489), (380, 8525), (395, 8663), (402, 8729),

Gene: Eaglehorse_13 Start: 9635, Stop: 12082, Start Num: 30

Candidate Starts for Eaglehorse_13:

(Start: 30 @9635 has 463 MA's), (41, 9689), (54, 9749), (76, 9842), (78, 9848), (84, 9863), (91, 9884), (96, 9914), (116, 9995), (117, 9998), (120, 10007), (131, 10034), (137, 10061), (157, 10133), (160, 10145), (164, 10163), (167, 10169), (178, 10232), (190, 10277), (200, 10319), (205, 10349), (222, 10520), (223, 10541), (224, 10547), (231, 10619), (236, 10682), (241, 10760), (244, 10766), (266, 10817), (271, 10856), (275, 10877), (276, 10883), (280, 10907), (288, 10958), (289, 10961), (292, 10991), (300, 11048), (302, 11060), (303, 11075), (307, 11102), (314, 11144), (323, 11189), (324,

11192), (329, 11222), (333, 11285), (334, 11291), (335, 11294), (338, 11306), (348, 11402), (350, 11444), (357, 11513), (364, 11591), (370, 11645), (377, 11690), (378, 11693), (379, 11720), (386, 11786), (389, 11801), (391, 11822), (394, 11861), (404, 11915), (410, 11942), (415, 11954), (427, 12002),

Gene: EastView9101_11 Start: 8563, Stop: 11073, Start Num: 30

Candidate Starts for EastView9101_11:

(7, 8074), (14, 8260), (Start: 29 @8560 has 2 MA's), (Start: 30 @8563 has 463 MA's), (41, 8617), (45, 8641), (53, 8674), (61, 8695), (63, 8710), (112, 8884), (124, 8899), (129, 8911), (135, 8932), (143, 8962), (160, 9046), (164, 9070), (185, 9160), (186, 9169), (187, 9172), (190, 9193), (243, 9670), (250, 9709), (266, 9799), (270, 9817), (271, 9838), (280, 9889), (281, 9895), (292, 9982), (317, 10141), (320, 10159), (329, 10204), (334, 10273), (340, 10309), (341, 10324), (346, 10366), (352, 10447), (364, 10570), (371, 10627), (372, 10633), (380, 10705), (392, 10822), (393, 10834), (410, 10921), (416, 10936), (426, 10984),

Gene: ElvisPhasley_9 Start: 6361, Stop: 8934, Start Num: 30

Candidate Starts for ElvisPhasley_9:

(22, 6232), (Start: 30 @6361 has 463 MA's), (40, 6412), (42, 6424), (45, 6439), (Start: 50 @6463 has 1 MA's), (65, 6523), (71, 6544), (94, 6616), (101, 6646), (113, 6724), (Start: 114 @6739 has 1 MA's), (122, 6775), (128, 6790), (133, 6811), (158, 6931), (159, 6937), (160, 6940), (179, 7051), (185, 7075), (186, 7084), (189, 7105), (200, 7150), (202, 7165), (209, 7201), (211, 7213), (215, 7228), (231, 7453), (238, 7552), (243, 7597), (271, 7675), (276, 7702), (280, 7726), (292, 7810), (302, 7879), (313, 7957), (320, 7984), (321, 7987), (328, 8026), (329, 8029), (334, 8098), (335, 8101), (340, 8134), (346, 8191), (350, 8254), (352, 8272), (357, 8323), (361, 8353), (368, 8413), (371, 8452), (375, 8485), (377, 8494), (380, 8530), (394, 8665), (395, 8668), (402, 8734),

Gene: EmGer13_9 Start: 6360, Stop: 8930, Start Num: 30

Candidate Starts for EmGer13_9:

(22, 6231), (Start: 30 @6360 has 463 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Emiris_9 Start: 6361, Stop: 8934, Start Num: 30

Candidate Starts for Emiris_9:

(22, 6232), (Start: 30 @6361 has 463 MA's), (40, 6412), (42, 6424), (45, 6439), (Start: 50 @6463 has 1 MA's), (65, 6523), (71, 6544), (94, 6616), (101, 6646), (113, 6724), (Start: 114 @6739 has 1 MA's), (122, 6775), (128, 6790), (133, 6811), (158, 6931), (159, 6937), (160, 6940), (179, 7051), (185, 7075), (186, 7084), (189, 7105), (200, 7150), (202, 7165), (211, 7213), (215, 7228), (231, 7453), (238, 7552), (243, 7597), (271, 7675), (276, 7702), (280, 7726), (292, 7810), (302, 7879), (320, 7984), (321, 7987), (328, 8026), (329, 8029), (334, 8098), (335, 8101), (340, 8134), (346, 8191), (350, 8254), (352, 8272), (357, 8323), (361, 8353), (368, 8413), (371, 8452), (375, 8485), (377, 8494), (380, 8530), (388, 8599), (395, 8668), (402, 8734),

Gene: EmpTee_9 Start: 6361, Stop: 8934, Start Num: 30

Candidate Starts for EmpTee_9:

(22, 6232), (Start: 30 @6361 has 463 MA's), (40, 6412), (42, 6424), (45, 6439), (Start: 50 @6463 has 1 MA's), (65, 6523), (71, 6544), (94, 6616), (101, 6646), (113, 6724), (Start: 114 @6739 has 1 MA's), (122, 6775), (128, 6790), (133, 6811), (158, 6931), (159, 6937), (160, 6940), (167, 6979), (179, 7051),

(185, 7075), (186, 7084), (189, 7105), (200, 7150), (202, 7165), (211, 7213), (215, 7228), (231, 7453), (238, 7552), (243, 7597), (271, 7675), (276, 7702), (280, 7726), (292, 7810), (302, 7879), (320, 7984), (321, 7987), (328, 8026), (329, 8029), (334, 8098), (335, 8101), (340, 8134), (346, 8191), (350, 8254), (352, 8272), (357, 8323), (361, 8353), (368, 8413), (371, 8452), (375, 8485), (377, 8494), (380, 8530), (388, 8599), (395, 8668), (402, 8734),

Gene: Epah_9 Start: 7532, Stop: 10039, Start Num: 30

Candidate Starts for Epah_9:

(Start: 30 @7532 has 463 MA's), (39, 7574), (44, 7607), (63, 7697), (76, 7760), (81, 7775), (85, 7784), (89, 7793), (94, 7811), (95, 7820), (101, 7832), (106, 7847), (143, 7949), (145, 7958), (152, 7991), (155, 8012), (157, 8021), (159, 8030), (160, 8033), (164, 8057), (165, 8066), (167, 8072), (171, 8096), (174, 8114), (176, 8120), (178, 8129), (186, 8165), (192, 8198), (202, 8246), (203, 8249), (211, 8288), (219, 8387), (243, 8663), (271, 8804), (276, 8831), (279, 8852), (280, 8855), (287, 8900), (290, 8924), (302, 9008), (317, 9098), (320, 9116), (328, 9158), (330, 9188), (335, 9233), (340, 9266), (341, 9281), (346, 9323), (348, 9344), (351, 9401), (352, 9404), (355, 9434), (357, 9455), (361, 9485), (363, 9500), (364, 9527), (367, 9539), (371, 9584), (372, 9590), (377, 9626), (380, 9662), (386, 9722), (389, 9737), (391, 9758), (395, 9800), (410, 9881), (415, 9893), (434, 9974), (436, 9995),

Gene: Eremos_9 Start: 6354, Stop: 8927, Start Num: 30

Candidate Starts for Eremos_9:

(22, 6225), (Start: 30 @6354 has 463 MA's), (40, 6405), (42, 6417), (45, 6432), (Start: 50 @6456 has 1 MA's), (65, 6516), (71, 6537), (94, 6609), (101, 6639), (113, 6717), (Start: 114 @6732 has 1 MA's), (122, 6768), (128, 6783), (133, 6804), (158, 6924), (159, 6930), (160, 6933), (179, 7044), (185, 7068), (186, 7077), (189, 7098), (200, 7143), (202, 7158), (211, 7206), (215, 7221), (231, 7446), (238, 7545), (243, 7590), (271, 7668), (276, 7695), (280, 7719), (292, 7803), (302, 7872), (320, 7977), (321, 7980), (328, 8019), (329, 8022), (334, 8091), (335, 8094), (340, 8127), (346, 8184), (350, 8247), (352, 8265), (357, 8316), (361, 8346), (368, 8406), (371, 8445), (375, 8478), (377, 8487), (380, 8523), (388, 8592), (395, 8661), (402, 8727),

Gene: Etaye_9 Start: 6357, Stop: 8930, Start Num: 30

Candidate Starts for Etaye_9:

(22, 6228), (Start: 30 @6357 has 463 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (209, 7197), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (313, 7953), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (394, 8661), (395, 8664), (402, 8730),

Gene: Eugenia_9 Start: 6361, Stop: 8934, Start Num: 30

Candidate Starts for Eugenia_9:

(22, 6232), (Start: 30 @6361 has 463 MA's), (40, 6412), (42, 6424), (45, 6439), (Start: 50 @6463 has 1 MA's), (65, 6523), (71, 6544), (94, 6616), (101, 6646), (113, 6724), (Start: 114 @6739 has 1 MA's), (122, 6775), (128, 6790), (133, 6811), (158, 6931), (159, 6937), (160, 6940), (167, 6979), (171, 7009), (179, 7051), (185, 7075), (186, 7084), (189, 7105), (200, 7150), (202, 7165), (211, 7213), (215, 7228), (231, 7453), (238, 7552), (243, 7597), (271, 7675), (276, 7702), (280, 7726), (292, 7810), (302, 7879), (320, 7984), (321, 7987), (328, 8026), (329, 8029), (334, 8098), (335, 8101), (340, 8134), (346, 8191), (350, 8254), (352, 8272), (357, 8323), (361, 8353), (368, 8413), (371, 8452), (375, 8485), (377, 8494), (380, 8530), (388, 8599), (395, 8668), (402, 8734),

Gene: Evaa_10 Start: 8448, Stop: 10856, Start Num: 30

Candidate Starts for Evaa_10:

(Start: 30 @8448 has 463 MA's), (Start: 49 @8547 has 2 MA's), (53, 8559), (81, 8664), (91, 8688), (94, 8700), (132, 8790), (140, 8817), (163, 8928), (164, 8934), (178, 8955), (186, 8991), (190, 9015), (216, 9177), (223, 9276), (240, 9477), (253, 9519), (260, 9549), (266, 9600), (268, 9609), (271, 9639), (280, 9690), (285, 9720), (292, 9774), (306, 9882), (318, 9939), (335, 10068), (347, 10158), (357, 10287), (361, 10317), (374, 10443), (386, 10554), (395, 10632), (400, 10674), (406, 10695), (410, 10707), (418, 10728), (426, 10770), (438, 10827), (442, 10845),

Gene: Fanaw_10 Start: 9054, Stop: 11144, Start Num: 143

Candidate Starts for Fanaw_10:

(Start: 30 @8637 has 463 MA's), (39, 8679), (63, 8802), (76, 8865), (81, 8880), (85, 8889), (89, 8898), (94, 8916), (95, 8925), (101, 8937), (122, 8988), (124, 8991), (143, 9054), (145, 9063), (152, 9096), (155, 9117), (156, 9120), (157, 9126), (159, 9135), (160, 9138), (164, 9162), (169, 9186), (171, 9201), (174, 9219), (176, 9225), (186, 9270), (192, 9303), (202, 9351), (203, 9354), (211, 9393), (243, 9768), (271, 9909), (276, 9936), (279, 9957), (280, 9960), (287, 10005), (290, 10029), (302, 10113), (317, 10203), (320, 10221), (328, 10263), (330, 10293), (335, 10338), (340, 10371), (341, 10386), (346, 10428), (348, 10449), (351, 10506), (352, 10509), (355, 10539), (357, 10560), (361, 10590), (363, 10605), (364, 10632), (367, 10644), (371, 10689), (372, 10695), (377, 10731), (380, 10767), (386, 10827), (389, 10842), (395, 10905), (410, 10986), (415, 10998), (434, 11079), (436, 11100),

Gene: Fang_9 Start: 6361, Stop: 8934, Start Num: 30

Candidate Starts for Fang_9:

(22, 6232), (Start: 30 @6361 has 463 MA's), (40, 6412), (42, 6424), (45, 6439), (Start: 50 @6463 has 1 MA's), (65, 6523), (71, 6544), (89, 6598), (94, 6616), (101, 6646), (113, 6724), (Start: 114 @6739 has 1 MA's), (122, 6775), (128, 6790), (133, 6811), (158, 6931), (159, 6937), (160, 6940), (167, 6979), (179, 7051), (185, 7075), (186, 7084), (189, 7105), (200, 7150), (202, 7165), (211, 7213), (215, 7228), (231, 7453), (238, 7552), (243, 7597), (271, 7675), (276, 7702), (280, 7726), (292, 7810), (302, 7879), (320, 7984), (321, 7987), (328, 8026), (329, 8029), (334, 8098), (335, 8101), (340, 8134), (346, 8191), (350, 8254), (352, 8272), (357, 8323), (361, 8353), (368, 8413), (371, 8452), (375, 8485), (377, 8494), (380, 8530), (388, 8599), (395, 8668), (402, 8734),

Gene: Faze9_13 Start: 9734, Stop: 12181, Start Num: 30

Candidate Starts for Faze9_13:

(Start: 30 @9734 has 463 MA's), (41, 9788), (54, 9848), (76, 9941), (78, 9947), (84, 9962), (91, 9983), (96, 10013), (116, 10094), (117, 10097), (120, 10106), (131, 10133), (137, 10160), (157, 10232), (160, 10244), (164, 10262), (167, 10268), (178, 10331), (190, 10376), (200, 10418), (205, 10448), (222, 10619), (223, 10640), (224, 10646), (231, 10718), (236, 10781), (241, 10859), (244, 10865), (266, 10916), (271, 10955), (275, 10976), (276, 10982), (280, 11006), (288, 11057), (289, 11060), (292, 11090), (300, 11147), (302, 11159), (303, 11174), (307, 11201), (314, 11243), (323, 11288), (324, 11291), (329, 11321), (333, 11384), (334, 11390), (335, 11393), (338, 11405), (348, 11501), (350, 11543), (357, 11612), (364, 11690), (370, 11744), (377, 11789), (378, 11792), (379, 11819), (386, 11885), (389, 11900), (391, 11921), (394, 11960), (404, 12014), (410, 12041), (415, 12053), (427, 12101),

Gene: FelixTres_11 Start: 8617, Stop: 11028, Start Num: 30

Candidate Starts for FelixTres_11:

(Start: 30 @8617 has 463 MA's), (37, 8650), (41, 8665), (73, 8812), (129, 8959), (137, 8992), (138, 8998), (143, 9019), (160, 9103), (166, 9136), (182, 9151), (183, 9157), (202, 9253), (224, 9466), (243, 9673), (253, 9700), (266, 9772), (267, 9775), (268, 9781), (271, 9811), (277, 9847), (280, 9862), (284, 9883), (287, 9907), (288, 9913), (292, 9946), (295, 9967), (318, 10111), (320, 10123), (348, 10351), (350, 10393), (357, 10462), (363, 10507), (371, 10591), (377, 10633), (381, 10675), (410, 10879), (423, 10933),

Gene: Flake_9 Start: 6359, Stop: 8950, Start Num: 30

Candidate Starts for Flake_9:

(22, 6230), (Start: 30 @6359 has 463 MA's), (40, 6410), (42, 6422), (45, 6437), (Start: 50 @6461 has 1 MA's), (65, 6521), (71, 6542), (94, 6614), (101, 6644), (113, 6722), (Start: 114 @6737 has 1 MA's), (122, 6773), (128, 6788), (133, 6809), (158, 6929), (159, 6935), (160, 6938), (179, 7049), (185, 7073), (186, 7082), (189, 7103), (200, 7148), (202, 7163), (209, 7199), (211, 7211), (215, 7226), (231, 7451), (238, 7550), (243, 7595), (271, 7673), (276, 7700), (280, 7724), (292, 7808), (302, 7877), (313, 7955), (320, 7982), (321, 7985), (328, 8024), (329, 8027), (334, 8096), (335, 8099), (340, 8132), (346, 8189), (350, 8252), (352, 8270), (357, 8321), (361, 8351), (368, 8411), (371, 8450), (375, 8483), (377, 8492), (380, 8528), (395, 8666), (402, 8732),

Gene: FleetyMac_9 Start: 6358, Stop: 8931, Start Num: 30

Candidate Starts for FleetyMac_9:

(22, 6229), (Start: 30 @6358 has 463 MA's), (40, 6409), (42, 6421), (45, 6436), (Start: 50 @6460 has 1 MA's), (65, 6520), (71, 6541), (94, 6613), (101, 6643), (113, 6721), (Start: 114 @6736 has 1 MA's), (122, 6772), (128, 6787), (133, 6808), (158, 6928), (159, 6934), (160, 6937), (179, 7048), (185, 7072), (186, 7081), (189, 7102), (200, 7147), (202, 7162), (209, 7198), (211, 7210), (215, 7225), (231, 7450), (238, 7549), (243, 7594), (271, 7672), (276, 7699), (280, 7723), (292, 7807), (302, 7876), (313, 7954), (320, 7981), (321, 7984), (328, 8023), (329, 8026), (334, 8095), (335, 8098), (340, 8131), (346, 8188), (350, 8251), (352, 8269), (357, 8320), (361, 8350), (368, 8410), (371, 8449), (375, 8482), (377, 8491), (380, 8527), (394, 8662), (395, 8665), (402, 8731),

Gene: FluffyNinja_9 Start: 6358, Stop: 8931, Start Num: 30

Candidate Starts for FluffyNinja_9:

(22, 6229), (Start: 30 @6358 has 463 MA's), (40, 6409), (42, 6421), (45, 6436), (Start: 50 @6460 has 1 MA's), (65, 6520), (71, 6541), (94, 6613), (101, 6643), (113, 6721), (Start: 114 @6736 has 1 MA's), (122, 6772), (128, 6787), (133, 6808), (158, 6928), (159, 6934), (160, 6937), (179, 7048), (185, 7072), (186, 7081), (189, 7102), (200, 7147), (202, 7162), (211, 7210), (215, 7225), (231, 7450), (238, 7549), (243, 7594), (271, 7672), (276, 7699), (280, 7723), (292, 7807), (302, 7876), (320, 7981), (321, 7984), (328, 8023), (329, 8026), (334, 8095), (335, 8098), (340, 8131), (346, 8188), (350, 8251), (352, 8269), (357, 8320), (361, 8350), (368, 8410), (371, 8449), (375, 8482), (377, 8491), (380, 8527), (388, 8596), (395, 8665), (402, 8731),

Gene: ForDig_8 Start: 7124, Stop: 9544, Start Num: 30

Candidate Starts for ForDig_8:

(Start: 30 @7124 has 463 MA's), (60, 7247), (63, 7262), (65, 7283), (76, 7325), (89, 7358), (91, 7364), (115, 7439), (138, 7490), (139, 7493), (155, 7574), (160, 7595), (164, 7619), (179, 7670), (186, 7703), (191, 7733), (192, 7736), (200, 7769), (202, 7784), (203, 7787), (228, 8033), (231, 8072), (243, 8225), (264, 8237), (267, 8258), (271, 8294), (276, 8321), (280, 8345), (285, 8375), (294, 8447), (302, 8498), (306, 8537), (308, 8543), (318, 8594), (320, 8606), (323, 8618), (329, 8651), (330, 8678), (335, 8723), (340, 8756), (346, 8822), (351, 8900), (352, 8903), (368, 9044), (377, 9125), (380, 9161), (391, 9257), (393, 9290), (395, 9299), (408, 9380), (412, 9392), (439, 9512),

Gene: Fortunato_10 Start: 8628, Stop: 11135, Start Num: 30

Candidate Starts for Fortunato_10:

(Start: 30 @8628 has 463 MA's), (39, 8670), (63, 8793), (76, 8856), (81, 8871), (85, 8880), (89, 8889), (94, 8907), (95, 8916), (101, 8928), (122, 8979), (124, 8982), (143, 9045), (145, 9054), (152, 9087), (154, 9105), (155, 9108), (157, 9117), (160, 9129), (161, 9141), (171, 9192), (186, 9261), (192, 9294), (202, 9342), (203, 9345), (211, 9384), (243, 9759), (271, 9900), (276, 9927), (278, 9942), (279, 9948), (280, 9951), (287, 9996), (290, 10020), (302, 10104), (317, 10194), (320, 10212), (328, 10254), (330, 10284), (335, 10329), (340, 10362), (341, 10377), (345, 10410), (346, 10419), (348, 10440), (351, 10497), (352, 10500), (355, 10530), (357, 10551), (361, 10581), (363, 10596), (364, 10623), (371, 10680), (372, 10686), (377, 10722), (380, 10758), (386, 10818), (389, 10833), (395, 10896), (410, 10977), (415, 10989), (434, 11070), (436, 11091),

Gene: Fozzie_9 Start: 6358, Stop: 8931, Start Num: 30

Candidate Starts for Fozzie_9:

(22, 6229), (Start: 30 @6358 has 463 MA's), (40, 6409), (42, 6421), (45, 6436), (Start: 50 @6460 has 1 MA's), (65, 6520), (71, 6541), (94, 6613), (101, 6643), (113, 6721), (Start: 114 @6736 has 1 MA's), (122, 6772), (128, 6787), (133, 6808), (158, 6928), (159, 6934), (160, 6937), (167, 6976), (179, 7048), (185, 7072), (186, 7081), (189, 7102), (200, 7147), (202, 7162), (209, 7198), (211, 7210), (215, 7225), (231, 7450), (238, 7549), (243, 7594), (271, 7672), (276, 7699), (280, 7723), (292, 7807), (302, 7876), (320, 7981), (321, 7984), (328, 8023), (329, 8026), (334, 8095), (335, 8098), (340, 8131), (346, 8188), (350, 8251), (352, 8269), (357, 8320), (361, 8350), (368, 8410), (371, 8449), (375, 8482), (377, 8491), (380, 8527), (388, 8596), (395, 8665), (402, 8731),

Gene: Frankicide_9 Start: 6362, Stop: 8935, Start Num: 30

Candidate Starts for Frankicide_9:

(22, 6233), (Start: 30 @6362 has 463 MA's), (40, 6413), (42, 6425), (45, 6440), (Start: 50 @6464 has 1 MA's), (65, 6524), (71, 6545), (94, 6617), (101, 6647), (113, 6725), (Start: 114 @6740 has 1 MA's), (122, 6776), (128, 6791), (133, 6812), (158, 6932), (159, 6938), (160, 6941), (167, 6980), (179, 7052), (185, 7076), (186, 7085), (189, 7106), (200, 7151), (202, 7166), (211, 7214), (215, 7229), (231, 7454), (238, 7553), (243, 7598), (271, 7676), (276, 7703), (280, 7727), (292, 7811), (302, 7880), (320, 7985), (321, 7988), (328, 8027), (329, 8030), (334, 8099), (335, 8102), (340, 8135), (346, 8192), (350, 8255), (352, 8273), (357, 8324), (361, 8354), (368, 8414), (371, 8453), (375, 8486), (377, 8495), (380, 8531), (388, 8600), (395, 8669), (402, 8735),

Gene: Frederick_10 Start: 8637, Stop: 11144, Start Num: 30

Candidate Starts for Frederick_10:

(Start: 30 @8637 has 463 MA's), (39, 8679), (44, 8712), (63, 8802), (76, 8865), (81, 8880), (85, 8889), (89, 8898), (94, 8916), (95, 8925), (101, 8937), (122, 8988), (124, 8991), (143, 9054), (145, 9063), (152, 9096), (155, 9117), (156, 9120), (157, 9126), (159, 9135), (160, 9138), (164, 9162), (169, 9186), (171, 9201), (174, 9219), (176, 9225), (186, 9270), (192, 9303), (202, 9351), (203, 9354), (211, 9393), (243, 9768), (271, 9909), (276, 9936), (279, 9957), (280, 9960), (287, 10005), (290, 10029), (302, 10113), (317, 10203), (320, 10221), (328, 10263), (330, 10293), (335, 10338), (340, 10371), (341, 10386), (346, 10428), (348, 10449), (351, 10506), (352, 10509), (355, 10539), (357, 10560), (361, 10590), (363, 10605), (364, 10632), (371, 10689), (372, 10695), (377, 10731), (380, 10767), (386, 10827), (389, 10842), (395, 10905), (410, 10986), (415, 10998), (434, 11079), (436, 11100),

Gene: FremontTroll_10 Start: 6358, Stop: 8931, Start Num: 30

Candidate Starts for FremontTroll_10:

(22, 6229), (Start: 30 @6358 has 463 MA's), (40, 6409), (42, 6421), (45, 6436), (Start: 50 @6460 has 1 MA's), (65, 6520), (71, 6541), (89, 6595), (94, 6613), (101, 6643), (113, 6721), (Start: 114 @6736 has 1 MA's), (122, 6772), (128, 6787), (133, 6808), (158, 6928), (159, 6934), (160, 6937), (167, 6976), (179, 7048), (185, 7072), (186, 7081), (189, 7102), (200, 7147), (202, 7162), (211, 7210), (215, 7225), (231, 7450), (238, 7549), (243, 7594), (271, 7672), (276, 7699), (280, 7723), (292, 7807), (302, 7876), (320, 7981), (321, 7984), (328, 8023), (329, 8026), (334, 8095), (335, 8098), (340, 8131), (346, 8188), (350, 8251), (352, 8269), (357, 8320), (361, 8350), (368, 8410), (371, 8449), (375, 8482), (377, 8491), (380, 8527), (388, 8596), (395, 8665), (402, 8731),

Gene: FrenchFry_13 Start: 9734, Stop: 12181, Start Num: 30

Candidate Starts for FrenchFry_13:

(Start: 30 @9734 has 463 MA's), (41, 9788), (54, 9848), (76, 9941), (78, 9947), (84, 9962), (91, 9983), (96, 10013), (116, 10094), (117, 10097), (120, 10106), (131, 10133), (137, 10160), (157, 10232), (160, 10244), (164, 10262), (167, 10268), (178, 10331), (190, 10376), (200, 10418), (205, 10448), (222, 10619), (223, 10640), (224, 10646), (231, 10718), (236, 10781), (241, 10859), (244, 10865), (266, 10916), (271, 10955), (275, 10976), (276, 10982), (280, 11006), (288, 11057), (289, 11060), (292,

11090), (300, 11147), (302, 11159), (303, 11174), (307, 11201), (314, 11243), (323, 11288), (324, 11291), (329, 11321), (333, 11384), (334, 11390), (335, 11393), (338, 11405), (348, 11501), (350, 11543), (357, 11612), (364, 11690), (370, 11744), (377, 11789), (378, 11792), (379, 11819), (386, 11885), (389, 11900), (391, 11921), (394, 11960), (404, 12014), (410, 12041), (415, 12053), (427, 12101),

Gene: Fresco_9 Start: 7131, Stop: 9533, Start Num: 30

Candidate Starts for Fresco_9:

(18, 6879), (25, 7101), (Start: 30 @7131 has 463 MA's), (Start: 31 @7134 has 1 MA's), (Start: 35 @7149 has 1 MA's), (47, 7218), (53, 7236), (58, 7248), (70, 7311), (72, 7317), (89, 7368), (91, 7374), (103, 7416), (120, 7440), (140, 7512), (154, 7581), (160, 7605), (185, 7668), (188, 7683), (190, 7701), (200, 7743), (216, 7866), (234, 8079), (242, 8178), (262, 8253), (266, 8277), (267, 8280), (268, 8286), (271, 8316), (277, 8352), (280, 8367), (284, 8388), (317, 8610), (318, 8616), (320, 8628), (329, 8673), (333, 8736), (341, 8793), (347, 8835), (351, 8910), (352, 8913), (360, 8988), (363, 9009), (368, 9057), (374, 9123), (377, 9138), (385, 9231), (389, 9249), (396, 9321), (410, 9384), (415, 9396), (425, 9444), (428, 9453), (442, 9522),

Gene: Freya_9 Start: 6361, Stop: 8934, Start Num: 30

Candidate Starts for Freya_9:

(22, 6232), (Start: 30 @6361 has 463 MA's), (40, 6412), (42, 6424), (45, 6439), (Start: 50 @6463 has 1 MA's), (65, 6523), (71, 6544), (94, 6616), (101, 6646), (113, 6724), (Start: 114 @6739 has 1 MA's), (122, 6775), (128, 6790), (133, 6811), (158, 6931), (159, 6937), (160, 6940), (167, 6979), (179, 7051), (185, 7075), (186, 7084), (189, 7105), (200, 7150), (202, 7165), (211, 7213), (215, 7228), (231, 7453), (238, 7552), (243, 7597), (271, 7675), (276, 7702), (280, 7726), (292, 7810), (302, 7879), (313, 7957), (320, 7984), (321, 7987), (328, 8026), (329, 8029), (334, 8098), (335, 8101), (340, 8134), (346, 8191), (350, 8254), (352, 8272), (357, 8323), (361, 8353), (368, 8413), (371, 8452), (375, 8485), (377, 8494), (380, 8530), (388, 8599), (395, 8668), (402, 8734),

Gene: FriarPreacher_9 Start: 6357, Stop: 8936, Start Num: 30

Candidate Starts for FriarPreacher_9:

(22, 6228), (Start: 30 @6357 has 463 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (167, 6975), (179, 7053), (185, 7077), (186, 7086), (189, 7107), (200, 7152), (202, 7167), (211, 7215), (215, 7230), (231, 7455), (238, 7554), (243, 7599), (271, 7677), (276, 7704), (280, 7728), (292, 7812), (302, 7881), (320, 7986), (321, 7989), (328, 8028), (329, 8031), (334, 8100), (335, 8103), (340, 8136), (346, 8193), (350, 8256), (352, 8274), (357, 8325), (361, 8355), (368, 8415), (371, 8454), (375, 8487), (377, 8496), (380, 8532), (388, 8601), (395, 8670), (402, 8736),

Gene: Fringe_9 Start: 6358, Stop: 8931, Start Num: 30

Candidate Starts for Fringe_9:

(22, 6229), (Start: 30 @6358 has 463 MA's), (40, 6409), (42, 6421), (45, 6436), (Start: 50 @6460 has 1 MA's), (65, 6520), (71, 6541), (89, 6595), (94, 6613), (101, 6643), (113, 6721), (Start: 114 @6736 has 1 MA's), (122, 6772), (128, 6787), (133, 6808), (158, 6928), (159, 6934), (160, 6937), (167, 6976), (179, 7048), (185, 7072), (186, 7081), (189, 7102), (200, 7147), (202, 7162), (211, 7210), (215, 7225), (231, 7450), (238, 7549), (243, 7594), (271, 7672), (276, 7699), (280, 7723), (292, 7807), (302, 7876), (320, 7981), (321, 7984), (328, 8023), (329, 8026), (334, 8095), (335, 8098), (340, 8131), (346, 8188), (350, 8251), (352, 8269), (357, 8320), (361, 8350), (368, 8410), (371, 8449), (375, 8482), (377, 8491), (380, 8527), (388, 8596), (395, 8665), (402, 8731),

Gene: FugateOSU_9 Start: 6360, Stop: 8933, Start Num: 30

Candidate Starts for FugateOSU_9:

(22, 6231), (Start: 30 @6360 has 463 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (171, 7008), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Funsized_15 Start: 10637, Stop: 13096, Start Num: 30

Candidate Starts for Funsized_15:

(Start: 30 @10637 has 463 MA's), (65, 10787), (81, 10844), (95, 10889), (99, 10895), (101, 10901), (122, 10961), (124, 10964), (140, 11018), (152, 11069), (155, 11090), (160, 11111), (163, 11129), (164, 11135), (185, 11210), (190, 11243), (200, 11285), (202, 11300), (217, 11411), (218, 11429), (224, 11510), (226, 11531), (229, 11564), (243, 11729), (249, 11747), (255, 11777), (271, 11870), (275, 11891), (280, 11921), (287, 11966), (290, 11990), (292, 12005), (302, 12074), (303, 12089), (306, 12113), (317, 12164), (320, 12182), (321, 12185), (328, 12224), (329, 12227), (334, 12296), (335, 12299), (346, 12389), (351, 12464), (352, 12467), (361, 12548), (367, 12602), (375, 12680), (377, 12689), (380, 12725), (389, 12800), (410, 12944), (425, 13004), (436, 13067),

Gene: Gadjet_13 Start: 8212, Stop: 10644, Start Num: 30

Candidate Starts for Gadjet_13:

(Start: 30 @8212 has 463 MA's), (Start: 49 @8311 has 2 MA's), (Start: 50 @8314 has 1 MA's), (62, 8359), (65, 8383), (66, 8386), (77, 8431), (92, 8470), (105, 8521), (118, 8551), (132, 8581), (140, 8608), (142, 8614), (155, 8680), (183, 8764), (185, 8770), (186, 8779), (187, 8782), (190, 8803), (202, 8860), (220, 9016), (223, 9076), (243, 9298), (271, 9394), (280, 9445), (288, 9496), (310, 9658), (320, 9715), (321, 9718), (323, 9727), (334, 9829), (346, 9922), (352, 10003), (380, 10261), (386, 10321), (389, 10336), (393, 10390), (405, 10474), (407, 10486), (425, 10555),

Gene: Gareth_9 Start: 6357, Stop: 8930, Start Num: 30

Candidate Starts for Gareth_9:

(22, 6228), (Start: 30 @6357 has 463 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (89, 6594), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (167, 6975), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (388, 8595), (395, 8664), (402, 8730),

Gene: GeneCoco_9 Start: 6360, Stop: 8939, Start Num: 30

Candidate Starts for GeneCoco_9:

(22, 6231), (Start: 30 @6360 has 463 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (209, 7200), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (313, 7956), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (394, 8664), (395, 8667), (402, 8733),

Gene: Gervas_12 Start: 8197, Stop: 10644, Start Num: 30

Candidate Starts for Gervas_12:

(Start: 30 @8197 has 463 MA's), (Start: 49 @8296 has 2 MA's), (Start: 50 @8299 has 1 MA's), (62, 8344), (65, 8368), (66, 8371), (73, 8401), (77, 8416), (92, 8455), (105, 8506), (118, 8536), (132, 8566), (140, 8593), (143, 8602), (155, 8665), (183, 8749), (185, 8755), (186, 8764), (187, 8767), (190, 8788), (202, 8845), (220, 9001), (223, 9061), (226, 9088), (243, 9283), (271, 9379), (280, 9430), (288, 9481), (310, 9643), (320, 9700), (321, 9703), (323, 9712), (334, 9814), (346, 9907), (352, 9988), (380, 10246), (386, 10306), (389, 10321), (393, 10375), (405, 10459), (407, 10471), (425, 10540),

Gene: GinPorsche_9 Start: 7532, Stop: 10039, Start Num: 30

Candidate Starts for GinPorsche_9:

(Start: 30 @7532 has 463 MA's), (39, 7574), (44, 7607), (63, 7697), (76, 7760), (81, 7775), (85, 7784), (89, 7793), (94, 7811), (95, 7820), (101, 7832), (106, 7847), (143, 7949), (145, 7958), (152, 7991), (155, 8012), (157, 8021), (159, 8030), (160, 8033), (164, 8057), (165, 8066), (167, 8072), (171, 8096), (174, 8114), (176, 8120), (178, 8129), (186, 8165), (192, 8198), (202, 8246), (203, 8249), (211, 8288), (219, 8387), (243, 8663), (271, 8804), (276, 8831), (279, 8852), (280, 8855), (287, 8900), (290, 8924), (302, 9008), (317, 9098), (320, 9116), (328, 9158), (330, 9188), (335, 9233), (340, 9266), (341, 9281), (346, 9323), (348, 9344), (351, 9401), (352, 9404), (355, 9434), (357, 9455), (361, 9485), (363, 9500), (364, 9527), (367, 9539), (371, 9584), (372, 9590), (377, 9626), (380, 9662), (386, 9722), (389, 9737), (391, 9758), (395, 9800), (410, 9881), (415, 9893), (434, 9974), (436, 9995),

Gene: Giraffe_9 Start: 6361, Stop: 8934, Start Num: 30

Candidate Starts for Giraffe_9:

(22, 6232), (Start: 30 @6361 has 463 MA's), (40, 6412), (42, 6424), (45, 6439), (Start: 50 @6463 has 1 MA's), (65, 6523), (71, 6544), (94, 6616), (101, 6646), (113, 6724), (Start: 114 @6739 has 1 MA's), (122, 6775), (128, 6790), (133, 6811), (158, 6931), (159, 6937), (160, 6940), (167, 6979), (179, 7051), (185, 7075), (186, 7084), (189, 7105), (200, 7150), (202, 7165), (211, 7213), (215, 7228), (231, 7453), (238, 7552), (243, 7597), (271, 7675), (276, 7702), (280, 7726), (292, 7810), (302, 7879), (320, 7984), (321, 7987), (328, 8026), (329, 8029), (334, 8098), (335, 8101), (340, 8134), (346, 8191), (350, 8254), (352, 8272), (357, 8323), (361, 8353), (368, 8413), (371, 8452), (375, 8485), (377, 8494), (380, 8530), (388, 8599), (395, 8668), (402, 8734),

Gene: Glass_13 Start: 9734, Stop: 12181, Start Num: 30

Candidate Starts for Glass_13:

(Start: 30 @9734 has 463 MA's), (41, 9788), (54, 9848), (76, 9941), (78, 9947), (84, 9962), (91, 9983), (96, 10013), (116, 10094), (117, 10097), (120, 10106), (131, 10133), (137, 10160), (157, 10232), (160, 10244), (164, 10262), (167, 10268), (178, 10331), (190, 10376), (200, 10418), (205, 10448), (222, 10619), (223, 10640), (224, 10646), (231, 10718), (236, 10781), (241, 10859), (244, 10865), (266, 10916), (271, 10955), (275, 10976), (276, 10982), (280, 11006), (288, 11057), (289, 11060), (292, 11090), (300, 11147), (302, 11159), (303, 11174), (307, 11201), (314, 11243), (323, 11288), (324, 11291), (329, 11321), (333, 11384), (334, 11390), (335, 11393), (338, 11405), (348, 11501), (350, 11543), (357, 11612), (364, 11690), (370, 11744), (377, 11789), (378, 11792), (379, 11819), (386, 11885), (389, 11900), (391, 11921), (394, 11960), (404, 12014), (410, 12041), (415, 12053), (427, 12101),

Gene: GlenHope_13 Start: 8222, Stop: 10654, Start Num: 30

Candidate Starts for GlenHope_13:

(Start: 30 @8222 has 463 MA's), (Start: 49 @8321 has 2 MA's), (Start: 50 @8324 has 1 MA's), (62, 8369), (65, 8393), (66, 8396), (73, 8426), (77, 8441), (92, 8480), (105, 8531), (118, 8561), (132, 8591), (140, 8618), (143, 8627), (155, 8690), (183, 8774), (185, 8780), (186, 8789), (187, 8792), (190, 8813), (211, 8924), (220, 9026), (223, 9086), (226, 9113), (243, 9308), (271, 9404), (280, 9455), (288, 9506), (310, 9668), (321, 9728), (323, 9737), (334, 9839), (346, 9932), (352, 10013), (380, 10271), (386, 10331), (389, 10346), (393, 10400), (405, 10484), (407, 10496), (425, 10565),

Gene: Glubnar_12 Start: 8212, Stop: 10644, Start Num: 30

Candidate Starts for Glubnar_12:

(Start: 30 @8212 has 463 MA's), (Start: 49 @8311 has 2 MA's), (Start: 50 @8314 has 1 MA's), (62, 8359), (65, 8383), (66, 8386), (73, 8416), (77, 8431), (92, 8470), (105, 8521), (118, 8551), (132, 8581), (140, 8608), (143, 8617), (155, 8680), (183, 8764), (185, 8770), (186, 8779), (187, 8782), (190, 8803), (202, 8860), (220, 9016), (223, 9076), (243, 9298), (271, 9394), (280, 9445), (288, 9496), (310, 9658), (320, 9715), (321, 9718), (323, 9727), (334, 9829), (346, 9922), (352, 10003), (380, 10261), (386, 10321), (389, 10336), (393, 10390), (405, 10474), (407, 10486), (425, 10555),

Gene: Godines_13 Start: 9617, Stop: 12064, Start Num: 30

Candidate Starts for Godines_13:

(Start: 30 @9617 has 463 MA's), (41, 9671), (54, 9731), (76, 9824), (78, 9830), (84, 9845), (91, 9866), (96, 9896), (116, 9977), (117, 9980), (120, 9989), (131, 10016), (132, 10022), (137, 10043), (157, 10115), (160, 10127), (164, 10145), (167, 10151), (178, 10214), (190, 10259), (200, 10301), (205, 10331), (222, 10502), (223, 10523), (224, 10529), (231, 10601), (236, 10664), (241, 10742), (244, 10748), (266, 10799), (271, 10838), (276, 10865), (280, 10889), (288, 10940), (289, 10943), (292, 10973), (302, 11042), (303, 11057), (307, 11084), (314, 11126), (323, 11171), (324, 11174), (329, 11204), (333, 11267), (334, 11273), (335, 11276), (338, 11288), (348, 11384), (350, 11426), (357, 11495), (364, 11573), (370, 11627), (377, 11672), (378, 11675), (379, 11702), (386, 11768), (389, 11783), (391, 11804), (394, 11843), (404, 11897), (410, 11924), (415, 11936), (427, 11984),

Gene: Gophee_9 Start: 6360, Stop: 8933, Start Num: 30

Candidate Starts for Gophee_9:

(22, 6231), (Start: 30 @6360 has 463 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (89, 6597), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Grand2040_9 Start: 6358, Stop: 8931, Start Num: 30

Candidate Starts for Grand2040_9:

(22, 6229), (Start: 30 @6358 has 463 MA's), (40, 6409), (42, 6421), (45, 6436), (Start: 50 @6460 has 1 MA's), (65, 6520), (71, 6541), (89, 6595), (94, 6613), (101, 6643), (113, 6721), (Start: 114 @6736 has 1 MA's), (122, 6772), (128, 6787), (133, 6808), (158, 6928), (159, 6934), (160, 6937), (167, 6976), (179, 7048), (185, 7072), (186, 7081), (189, 7102), (200, 7147), (202, 7162), (211, 7210), (215, 7225), (231, 7450), (238, 7549), (243, 7594), (271, 7672), (276, 7699), (280, 7723), (292, 7807), (302, 7876), (320, 7981), (321, 7984), (328, 8023), (329, 8026), (334, 8095), (335, 8098), (340, 8131), (346, 8188), (350, 8251), (352, 8269), (357, 8320), (361, 8350), (368, 8410), (371, 8449), (375, 8482), (377, 8491), (380, 8527), (388, 8596), (395, 8665), (402, 8731),

Gene: GreenChile_10 Start: 6362, Stop: 8935, Start Num: 30

Candidate Starts for GreenChile_10:

(22, 6233), (Start: 30 @6362 has 463 MA's), (40, 6413), (42, 6425), (45, 6440), (Start: 50 @6464 has 1 MA's), (65, 6524), (71, 6545), (94, 6617), (101, 6647), (113, 6725), (Start: 114 @6740 has 1 MA's), (122, 6776), (128, 6791), (133, 6812), (158, 6932), (159, 6938), (160, 6941), (167, 6980), (179, 7052), (185, 7076), (186, 7085), (189, 7106), (200, 7151), (202, 7166), (211, 7214), (215, 7229), (231, 7454), (238, 7553), (243, 7598), (271, 7676), (276, 7703), (280, 7727), (292, 7811), (302, 7880), (320, 7985), (321, 7988), (328, 8027), (329, 8030), (334, 8099), (335, 8102), (340, 8135), (346, 8192), (350, 8255), (352, 8273), (357, 8324), (361, 8354), (368, 8414), (371, 8453), (375, 8486), (377, 8495), (380, 8531), (388, 8600), (395, 8669), (402, 8735),

Gene: Grumio_42 Start: 19661, Stop: 22444, Start Num: 30

Candidate Starts for Grumio_42:

(21, 19499), (Start: 30 @19661 has 463 MA's), (32, 19670), (53, 19769), (68, 19829), (82, 19865), (84, 19868), (93, 19889), (103, 19928), (160, 20093), (162, 20105), (164, 20117), (183, 20168), (187, 20186), (194, 20225), (225, 20489), (230, 20558), (235, 20615), (245, 20690), (274, 20765), (280, 20801), (296, 20924), (302, 20960), (312, 21026), (315, 21047), (320, 21104), (322, 21110), (327, 21134), (332, 21197), (344, 21296), (375, 21677), (376, 21680), (377, 21686), (383, 21767), (394, 21875), (401, 21944), (403, 21950), (413, 21989), (433, 22079), (445, 22166), (447, 22322), (448, 22343), (449, 22376), (450, 22409), (452, 22427),

Gene: Gwennie1_9 Start: 6360, Stop: 8951, Start Num: 30

Candidate Starts for Gwennie1_9:

(22, 6231), (Start: 30 @6360 has 463 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (209, 7200), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (313, 7956), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (395, 8667), (402, 8733),

Gene: Gwilliam_9 Start: 6357, Stop: 8930, Start Num: 30

Candidate Starts for Gwilliam_9:

(22, 6228), (Start: 30 @6357 has 463 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (388, 8595), (395, 8664), (402, 8730),

Gene: Gyarad_009 Start: 6360, Stop: 8933, Start Num: 30

Candidate Starts for Gyarad_009:

(22, 6231), (Start: 30 @6360 has 463 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: HSavage_9 Start: 6362, Stop: 8935, Start Num: 30

Candidate Starts for HSavage_9:

(22, 6233), (Start: 30 @6362 has 463 MA's), (40, 6413), (42, 6425), (45, 6440), (Start: 50 @6464 has 1 MA's), (65, 6524), (71, 6545), (94, 6617), (101, 6647), (113, 6725), (Start: 114 @6740 has 1 MA's), (122, 6776), (128, 6791), (133, 6812), (158, 6932), (159, 6938), (160, 6941), (179, 7052), (185, 7076), (186, 7085), (189, 7106), (200, 7151), (202, 7166), (211, 7214), (215, 7229), (231, 7454), (238, 7553), (243, 7598), (271, 7676), (276, 7703), (280, 7727), (292, 7811), (302, 7880), (320, 7985), (321, 7988), (328, 8027), (329, 8030), (334, 8099), (335, 8102), (340, 8135), (346, 8192), (350, 8255), (352, 8273), (357, 8324), (361, 8354), (368, 8414), (371, 8453), (375, 8486), (377, 8495), (380, 8531), (388, 8600), (395, 8669), (402, 8735),

Gene: Haimas_9 Start: 6360, Stop: 8933, Start Num: 30

Candidate Starts for Haimas_9:

(22, 6231), (Start: 30 @6360 has 463 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (89, 6597), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Haleema_9 Start: 6360, Stop: 8933, Start Num: 30

Candidate Starts for Haleema_9:

(22, 6231), (Start: 30 @6360 has 463 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (89, 6597), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Halfpint_11 Start: 8057, Stop: 10489, Start Num: 30

Candidate Starts for Halfpint_11:

(Start: 30 @8057 has 463 MA's), (Start: 49 @8156 has 2 MA's), (Start: 50 @8159 has 1 MA's), (62, 8204), (65, 8228), (66, 8231), (77, 8276), (92, 8315), (105, 8366), (118, 8396), (132, 8426), (140, 8453), (142, 8459), (155, 8525), (183, 8609), (185, 8615), (186, 8624), (187, 8627), (190, 8648), (202, 8705), (220, 8861), (223, 8921), (243, 9143), (271, 9239), (280, 9290), (288, 9341), (310, 9503), (320, 9560), (321, 9563), (323, 9572), (334, 9674), (346, 9767), (352, 9848), (380, 10106), (386, 10166), (389, 10181), (393, 10235), (405, 10319), (407, 10331), (425, 10400),

Gene: Hally898_9 Start: 7532, Stop: 10039, Start Num: 30

Candidate Starts for Hally898_9:

(Start: 30 @7532 has 463 MA's), (39, 7574), (44, 7607), (63, 7697), (76, 7760), (81, 7775), (85, 7784), (89, 7793), (94, 7811), (95, 7820), (101, 7832), (106, 7847), (143, 7949), (145, 7958), (152, 7991), (155, 8012), (157, 8021), (159, 8030), (160, 8033), (164, 8057), (165, 8066), (167, 8072), (171, 8096), (174, 8114), (176, 8120), (178, 8129), (186, 8165), (192, 8198), (202, 8246), (203, 8249), (211, 8288), (219, 8387), (243, 8663), (271, 8804), (276, 8831), (279, 8852), (280, 8855), (287, 8900), (290, 8924), (302, 9008), (317, 9098), (320, 9116), (328, 9158), (330, 9188), (335, 9233), (340, 9266), (341, 9281), (346, 9323), (348, 9344), (351, 9401), (352, 9404), (355, 9434), (357, 9455), (361, 9485), (363, 9500), (364, 9527), (367, 9539), (371, 9584), (372, 9590), (377, 9626), (380, 9662), (386, 9722), (389, 9737), (391, 9758), (395, 9800), (410, 9881), (415, 9893), (434, 9974), (436, 9995),

Gene: Hamish_9 Start: 6360, Stop: 8933, Start Num: 30

Candidate Starts for Hamish_9:

(22, 6231), (Start: 30 @6360 has 463 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598),

(395, 8667), (402, 8733),

Gene: Hangman_10 Start: 8637, Stop: 11144, Start Num: 30

Candidate Starts for Hangman_10:

(Start: 30 @8637 has 463 MA's), (39, 8679), (44, 8712), (63, 8802), (76, 8865), (81, 8880), (85, 8889), (89, 8898), (94, 8916), (95, 8925), (101, 8937), (122, 8988), (124, 8991), (143, 9054), (145, 9063), (152, 9096), (155, 9117), (156, 9120), (157, 9126), (159, 9135), (160, 9138), (164, 9162), (169, 9186), (171, 9201), (174, 9219), (176, 9225), (186, 9270), (192, 9303), (202, 9351), (203, 9354), (211, 9393), (243, 9768), (271, 9909), (276, 9936), (279, 9957), (280, 9960), (287, 10005), (290, 10029), (302, 10113), (317, 10203), (320, 10221), (328, 10263), (330, 10293), (335, 10338), (340, 10371), (341, 10386), (346, 10428), (348, 10449), (351, 10506), (352, 10509), (355, 10539), (357, 10560), (361, 10590), (363, 10605), (364, 10632), (371, 10689), (372, 10695), (377, 10731), (380, 10767), (386, 10827), (391, 10863), (394, 10902), (395, 10905), (410, 10986), (434, 11079), (436, 11100),

Gene: Happabalu_10 Start: 6719, Stop: 8929, Start Num: 113

Candidate Starts for Happabalu_10:

(22, 6227), (Start: 30 @6356 has 463 MA's), (40, 6407), (42, 6419), (45, 6434), (Start: 50 @6458 has 1 MA's), (65, 6518), (71, 6539), (94, 6611), (101, 6641), (113, 6719), (Start: 114 @6734 has 1 MA's), (122, 6770), (128, 6785), (133, 6806), (158, 6926), (159, 6932), (160, 6935), (179, 7046), (185, 7070), (186, 7079), (189, 7100), (200, 7145), (202, 7160), (209, 7196), (211, 7208), (215, 7223), (231, 7448), (238, 7547), (243, 7592), (271, 7670), (276, 7697), (280, 7721), (292, 7805), (302, 7874), (313, 7952), (320, 7979), (321, 7982), (328, 8021), (329, 8024), (334, 8093), (335, 8096), (340, 8129), (346, 8186), (350, 8249), (352, 8267), (357, 8318), (361, 8348), (368, 8408), (371, 8447), (375, 8480), (377, 8489), (380, 8525), (395, 8663), (402, 8729),

Gene: Hartsy_9 Start: 6357, Stop: 8930, Start Num: 30

Candidate Starts for Hartsy_9:

(22, 6228), (Start: 30 @6357 has 463 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (209, 7197), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (313, 7953), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (394, 8661), (395, 8664), (402, 8730),

Gene: Harvey_9 Start: 6361, Stop: 8934, Start Num: 30

Candidate Starts for Harvey_9:

(22, 6232), (Start: 30 @6361 has 463 MA's), (40, 6412), (42, 6424), (45, 6439), (Start: 50 @6463 has 1 MA's), (65, 6523), (71, 6544), (94, 6616), (101, 6646), (113, 6724), (Start: 114 @6739 has 1 MA's), (122, 6775), (128, 6790), (133, 6811), (158, 6931), (159, 6937), (160, 6940), (167, 6979), (179, 7051), (185, 7075), (186, 7084), (189, 7105), (200, 7150), (202, 7165), (211, 7213), (215, 7228), (231, 7453), (238, 7552), (243, 7597), (271, 7675), (276, 7702), (280, 7726), (292, 7810), (302, 7879), (320, 7984), (321, 7987), (328, 8026), (329, 8029), (334, 8098), (335, 8101), (340, 8134), (346, 8191), (350, 8254), (352, 8272), (357, 8323), (361, 8353), (368, 8413), (371, 8452), (375, 8485), (377, 8494), (380, 8530), (388, 8599), (395, 8668), (402, 8734),

Gene: HarveySr_12 Start: 8209, Stop: 10641, Start Num: 30

Candidate Starts for HarveySr_12:

(Start: 30 @8209 has 463 MA's), (Start: 49 @8308 has 2 MA's), (Start: 50 @8311 has 1 MA's), (62, 8356), (65, 8380), (66, 8383), (73, 8413), (77, 8428), (92, 8467), (105, 8518), (118, 8548), (132, 8578), (140, 8605), (143, 8614), (155, 8677), (183, 8761), (184, 8764), (185, 8767), (186, 8776), (187, 8779), (190, 8800), (202, 8857), (220, 9013), (223, 9073), (226, 9100), (243, 9295), (271, 9391), (280, 9442),

(288, 9493), (310, 9655), (320, 9712), (321, 9715), (323, 9724), (334, 9826), (346, 9919), (352, 10000), (380, 10258), (386, 10318), (389, 10333), (393, 10387), (405, 10471), (407, 10483), (425, 10552),

Gene: Hashim76_14 Start: 7492, Stop: 10023, Start Num: 30

Candidate Starts for Hashim76_14:

(Start: 30 @7492 has 463 MA's), (47, 7585), (57, 7615), (71, 7675), (81, 7711), (94, 7747), (95, 7756), (109, 7798), (118, 7807), (122, 7819), (127, 7828), (142, 7882), (152, 7927), (164, 7993), (178, 8059), (185, 8086), (186, 8095), (202, 8176), (209, 8206), (217, 8287), (218, 8305), (224, 8386), (228, 8419), (231, 8458), (243, 8602), (256, 8671), (265, 8734), (269, 8761), (271, 8788), (279, 8836), (280, 8839), (287, 8884), (288, 8890), (317, 9079), (328, 9139), (329, 9142), (330, 9169), (334, 9211), (335, 9214), (346, 9304), (351, 9379), (357, 9433), (367, 9517), (368, 9523), (375, 9595), (380, 9640), (391, 9736), (415, 9871),

Gene: Heath_10 Start: 8637, Stop: 11144, Start Num: 30

Candidate Starts for Heath_10:

(Start: 30 @8637 has 463 MA's), (39, 8679), (44, 8712), (63, 8802), (76, 8865), (81, 8880), (85, 8889), (89, 8898), (94, 8916), (95, 8925), (101, 8937), (122, 8988), (124, 8991), (143, 9054), (145, 9063), (152, 9096), (155, 9117), (156, 9120), (157, 9126), (159, 9135), (160, 9138), (164, 9162), (169, 9186), (171, 9201), (174, 9219), (176, 9225), (186, 9270), (192, 9303), (202, 9351), (203, 9354), (211, 9393), (243, 9768), (271, 9909), (276, 9936), (279, 9957), (280, 9960), (287, 10005), (290, 10029), (302, 10113), (317, 10203), (320, 10221), (328, 10263), (330, 10293), (335, 10338), (340, 10371), (341, 10386), (346, 10428), (348, 10449), (351, 10506), (352, 10509), (355, 10539), (357, 10560), (361, 10590), (363, 10605), (364, 10632), (371, 10689), (372, 10695), (377, 10731), (380, 10767), (386, 10827), (391, 10863), (394, 10902), (395, 10905), (410, 10986), (415, 10998), (426, 11049), (434, 11079), (436, 11100),

Gene: Heathcliff_12 Start: 8194, Stop: 10626, Start Num: 30

Candidate Starts for Heathcliff_12:

(Start: 30 @8194 has 463 MA's), (Start: 49 @8293 has 2 MA's), (Start: 50 @8296 has 1 MA's), (62, 8341), (65, 8365), (66, 8368), (73, 8398), (77, 8413), (92, 8452), (105, 8503), (118, 8533), (132, 8563), (140, 8590), (143, 8599), (155, 8662), (183, 8746), (185, 8752), (186, 8761), (187, 8764), (190, 8785), (202, 8842), (211, 8896), (220, 8998), (223, 9058), (226, 9085), (243, 9280), (271, 9376), (280, 9427), (288, 9478), (310, 9640), (321, 9700), (323, 9709), (334, 9811), (346, 9904), (352, 9985), (380, 10243), (386, 10303), (389, 10318), (393, 10372), (405, 10456), (407, 10468), (425, 10537),

Gene: Hedgerow_13 Start: 9716, Stop: 12163, Start Num: 30

Candidate Starts for Hedgerow_13:

(Start: 30 @9716 has 463 MA's), (41, 9770), (54, 9830), (76, 9923), (78, 9929), (84, 9944), (91, 9965), (96, 9995), (116, 10076), (117, 10079), (120, 10088), (131, 10115), (137, 10142), (157, 10214), (160, 10226), (164, 10244), (167, 10250), (178, 10313), (190, 10358), (200, 10400), (205, 10430), (222, 10601), (223, 10622), (224, 10628), (231, 10700), (236, 10763), (241, 10841), (244, 10847), (266, 10898), (271, 10937), (275, 10958), (276, 10964), (280, 10988), (288, 11039), (289, 11042), (292, 11072), (300, 11129), (302, 11141), (303, 11156), (307, 11183), (314, 11225), (323, 11270), (324, 11273), (329, 11303), (333, 11366), (334, 11372), (335, 11375), (338, 11387), (348, 11483), (350, 11525), (357, 11594), (364, 11672), (370, 11726), (377, 11771), (378, 11774), (379, 11801), (386, 11867), (389, 11882), (391, 11903), (394, 11942), (404, 11996), (410, 12023), (415, 12035), (427, 12083),

Gene: Hekos_9 Start: 6359, Stop: 8932, Start Num: 30

Candidate Starts for Hekos_9:

(22, 6230), (Start: 30 @6359 has 463 MA's), (40, 6410), (42, 6422), (45, 6437), (Start: 50 @6461 has 1 MA's), (65, 6521), (71, 6542), (94, 6614), (101, 6644), (113, 6722), (Start: 114 @6737 has 1 MA's), (122, 6773), (128, 6788), (133, 6809), (158, 6929), (159, 6935), (160, 6938), (167, 6977), (179, 7049),

(185, 7073), (186, 7082), (189, 7103), (200, 7148), (202, 7163), (209, 7199), (211, 7211), (215, 7226), (231, 7451), (238, 7550), (243, 7595), (271, 7673), (276, 7700), (280, 7724), (292, 7808), (302, 7877), (313, 7955), (320, 7982), (321, 7985), (328, 8024), (329, 8027), (334, 8096), (335, 8099), (340, 8132), (346, 8189), (350, 8252), (352, 8270), (357, 8321), (361, 8351), (368, 8411), (371, 8450), (375, 8483), (377, 8492), (380, 8528), (395, 8666), (402, 8732),

Gene: Held_9 Start: 6361, Stop: 8934, Start Num: 30

Candidate Starts for Held_9:

(22, 6232), (Start: 30 @6361 has 463 MA's), (40, 6412), (42, 6424), (45, 6439), (Start: 50 @6463 has 1 MA's), (65, 6523), (71, 6544), (94, 6616), (101, 6646), (113, 6724), (Start: 114 @6739 has 1 MA's), (122, 6775), (128, 6790), (133, 6811), (158, 6931), (159, 6937), (160, 6940), (167, 6979), (179, 7051), (185, 7075), (186, 7084), (189, 7105), (200, 7150), (202, 7165), (211, 7213), (215, 7228), (231, 7453), (238, 7552), (243, 7597), (271, 7675), (276, 7702), (280, 7726), (292, 7810), (302, 7879), (320, 7984), (321, 7987), (328, 8026), (329, 8029), (334, 8098), (335, 8101), (340, 8134), (346, 8191), (350, 8254), (352, 8272), (357, 8323), (361, 8353), (368, 8413), (371, 8452), (375, 8485), (377, 8494), (380, 8530), (388, 8599), (395, 8668), (402, 8734),

Gene: HenryJackson_9 Start: 6360, Stop: 8933, Start Num: 30

Candidate Starts for HenryJackson_9:

(22, 6231), (Start: 30 @6360 has 463 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (89, 6597), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Hertubise_9 Start: 6360, Stop: 8933, Start Num: 30

Candidate Starts for Hertubise_9:

(22, 6231), (Start: 30 @6360 has 463 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Hetaeria_9 Start: 6360, Stop: 8933, Start Num: 30

Candidate Starts for Hetaeria_9:

(22, 6231), (Start: 30 @6360 has 463 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: HighStump_9 Start: 6360, Stop: 8933, Start Num: 30

Candidate Starts for HighStump_9:

(22, 6231), (Start: 30 @6360 has 463 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (89, 6597), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Hocus_9 Start: 6360, Stop: 8933, Start Num: 30

Candidate Starts for Hocus_9:

(22, 6231), (Start: 30 @6360 has 463 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (209, 7200), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (313, 7956), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (394, 8664), (395, 8667), (402, 8733),

Gene: HogWash_9 Start: 6357, Stop: 8930, Start Num: 30

Candidate Starts for HogWash_9:

(22, 6228), (Start: 30 @6357 has 463 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (167, 6975), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (209, 7197), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (313, 7953), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (394, 8661), (395, 8664), (402, 8730),

Gene: Holeinone_13 Start: 9616, Stop: 12063, Start Num: 30

Candidate Starts for Holeinone_13:

(Start: 30 @9616 has 463 MA's), (41, 9670), (54, 9730), (76, 9823), (78, 9829), (84, 9844), (91, 9865), (96, 9895), (116, 9976), (117, 9979), (120, 9988), (131, 10015), (137, 10042), (157, 10114), (160, 10126), (164, 10144), (167, 10150), (178, 10213), (190, 10258), (200, 10300), (205, 10330), (222, 10501), (223, 10522), (224, 10528), (231, 10600), (236, 10663), (241, 10741), (244, 10747), (266, 10798), (271, 10837), (275, 10858), (276, 10864), (280, 10888), (288, 10939), (289, 10942), (292, 10972), (300, 11029), (302, 11041), (303, 11056), (307, 11083), (314, 11125), (323, 11170), (324, 11173), (329, 11203), (333, 11266), (334, 11272), (335, 11275), (338, 11287), (348, 11383), (350, 11425), (357, 11494), (364, 11572), (370, 11626), (377, 11671), (378, 11674), (379, 11701), (386, 11767), (389, 11782), (391, 11803), (394, 11842), (404, 11896), (410, 11923), (415, 11935), (427, 11983),

Gene: Horchata_9 Start: 6359, Stop: 8932, Start Num: 30

Candidate Starts for Horchata_9:

(22, 6230), (Start: 30 @6359 has 463 MA's), (40, 6410), (42, 6422), (45, 6437), (Start: 50 @6461 has 1 MA's), (65, 6521), (71, 6542), (94, 6614), (101, 6644), (113, 6722), (Start: 114 @6737 has 1 MA's), (122, 6773), (128, 6788), (133, 6809), (158, 6929), (159, 6935), (160, 6938), (167, 6977), (179, 7049), (185, 7073), (186, 7082), (189, 7103), (200, 7148), (202, 7163), (209, 7199), (211, 7211), (215, 7226), (231, 7451), (238, 7550), (243, 7595), (271, 7673), (276, 7700), (280, 7724), (292, 7808), (302, 7877), (320, 7982), (321, 7985), (328, 8024), (329, 8027), (334, 8096), (335, 8099), (340, 8132), (346, 8189), (350, 8252), (352, 8270), (357, 8321), (361, 8351), (368, 8411), (371, 8450), (375, 8483), (377, 8492),

(380, 8528), (395, 8666), (402, 8732),

Gene: Hosp_06 Start: 5326, Stop: 7746, Start Num: 30

Candidate Starts for Hosp_06:

(Start: 30 @5326 has 463 MA's), (41, 5380), (60, 5449), (63, 5464), (65, 5485), (76, 5527), (89, 5560), (91, 5566), (115, 5641), (138, 5692), (140, 5704), (152, 5755), (155, 5776), (160, 5797), (161, 5809), (164, 5821), (178, 5869), (186, 5905), (192, 5938), (200, 5971), (202, 5986), (203, 5989), (228, 6235), (231, 6274), (243, 6427), (264, 6439), (267, 6460), (271, 6496), (276, 6523), (280, 6547), (285, 6577), (294, 6649), (302, 6700), (306, 6739), (308, 6745), (318, 6796), (323, 6820), (329, 6853), (330, 6880), (335, 6925), (340, 6958), (346, 7024), (351, 7102), (352, 7105), (357, 7156), (368, 7246), (377, 7327), (380, 7363), (391, 7459), (393, 7492), (395, 7501), (408, 7582), (412, 7594), (439, 7714),

Gene: Hydro_10 Start: 8634, Stop: 11141, Start Num: 30

Candidate Starts for Hydro_10:

(Start: 30 @8634 has 463 MA's), (39, 8676), (44, 8709), (63, 8799), (76, 8862), (81, 8877), (85, 8886), (89, 8895), (94, 8913), (95, 8922), (101, 8934), (122, 8985), (124, 8988), (143, 9051), (145, 9060), (152, 9093), (155, 9114), (156, 9117), (157, 9123), (159, 9132), (160, 9135), (164, 9159), (169, 9183), (171, 9198), (174, 9216), (176, 9222), (186, 9267), (192, 9300), (202, 9348), (203, 9351), (211, 9390), (243, 9765), (271, 9906), (276, 9933), (279, 9954), (280, 9957), (287, 10002), (290, 10026), (302, 10110), (317, 10200), (320, 10218), (328, 10260), (330, 10290), (335, 10335), (340, 10368), (341, 10383), (345, 10416), (346, 10425), (348, 10446), (351, 10503), (352, 10506), (355, 10536), (357, 10557), (361, 10587), (363, 10602), (364, 10629), (371, 10686), (372, 10692), (377, 10728), (380, 10764), (386, 10824), (389, 10839), (391, 10860), (395, 10902), (410, 10983), (415, 10995), (434, 11076), (436, 11097),

Gene: ImtiyazSitla_9 Start: 6357, Stop: 8927, Start Num: 30

Candidate Starts for ImtiyazSitla_9:

(Start: 30 @6357 has 463 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (209, 7197), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (313, 7953), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (394, 8661), (395, 8664), (402, 8730),

Gene: Imvubu_6 Start: 5456, Stop: 7957, Start Num: 30

Candidate Starts for Imvubu_6:

(Start: 30 @5456 has 463 MA's), (45, 5534), (46, 5546), (52, 5564), (53, 5567), (61, 5579), (63, 5594), (81, 5672), (89, 5690), (106, 5747), (122, 5786), (134, 5819), (140, 5846), (143, 5855), (148, 5879), (152, 5897), (159, 5936), (164, 5963), (174, 6032), (178, 6047), (180, 6053), (190, 6107), (192, 6116), (200, 6149), (206, 6179), (217, 6275), (218, 6293), (223, 6368), (224, 6374), (231, 6446), (237, 6527), (243, 6593), (254, 6638), (255, 6641), (271, 6734), (280, 6785), (287, 6830), (288, 6836), (290, 6854), (292, 6869), (301, 6935), (303, 6953), (306, 6977), (328, 7088), (329, 7091), (341, 7211), (346, 7253), (352, 7331), (357, 7382), (367, 7466), (368, 7472), (375, 7544), (377, 7553), (380, 7589), (384, 7640), (391, 7685), (410, 7808), (422, 7859), (436, 7931),

Gene: Inchworm_9 Start: 6357, Stop: 8930, Start Num: 30

Candidate Starts for Inchworm_9:

(22, 6228), (Start: 30 @6357 has 463 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (209, 7197), (211, 7209), (215, 7224), (231, 7449),

(238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (313, 7953), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (394, 8661), (395, 8664), (402, 8730),

Gene: Indlovu_10 Start: 8284, Stop: 10773, Start Num: 30

Candidate Starts for Indlovu_10:

(Start: 30 @8284 has 463 MA's), (53, 8395), (59, 8419), (61, 8440), (76, 8518), (85, 8542), (94, 8569), (99, 8584), (101, 8590), (140, 8698), (152, 8749), (155, 8770), (161, 8803), (164, 8815), (187, 8899), (217, 9088), (224, 9187), (243, 9403), (248, 9415), (265, 9493), (271, 9547), (279, 9595), (280, 9598), (287, 9643), (288, 9649), (292, 9682), (302, 9751), (317, 9841), (318, 9847), (328, 9901), (330, 9931), (334, 9973), (340, 10009), (346, 10066), (351, 10141), (352, 10144), (355, 10174), (371, 10324), (377, 10366), (380, 10402), (381, 10408), (389, 10477), (391, 10498), (395, 10540), (415, 10624), (436, 10735),

Gene: Inverness_9 Start: 6362, Stop: 8935, Start Num: 30

Candidate Starts for Inverness_9:

(22, 6233), (Start: 30 @6362 has 463 MA's), (40, 6413), (42, 6425), (45, 6440), (Start: 50 @6464 has 1 MA's), (65, 6524), (71, 6545), (94, 6617), (101, 6647), (113, 6725), (Start: 114 @6740 has 1 MA's), (122, 6776), (128, 6791), (133, 6812), (158, 6932), (159, 6938), (160, 6941), (179, 7052), (185, 7076), (186, 7085), (189, 7106), (200, 7151), (202, 7166), (211, 7214), (215, 7229), (231, 7454), (238, 7553), (243, 7598), (271, 7676), (276, 7703), (280, 7727), (292, 7811), (302, 7880), (320, 7985), (321, 7988), (328, 8027), (329, 8030), (334, 8099), (335, 8102), (340, 8135), (346, 8192), (350, 8255), (352, 8273), (357, 8324), (361, 8354), (368, 8414), (371, 8453), (375, 8486), (377, 8495), (380, 8531), (388, 8600), (395, 8669), (402, 8735),

Gene: Iridessa_9 Start: 6359, Stop: 8932, Start Num: 30

Candidate Starts for Iridessa_9:

(22, 6230), (Start: 30 @6359 has 463 MA's), (40, 6410), (42, 6422), (45, 6437), (Start: 50 @6461 has 1 MA's), (65, 6521), (71, 6542), (94, 6614), (101, 6644), (113, 6722), (Start: 114 @6737 has 1 MA's), (122, 6773), (128, 6788), (133, 6809), (158, 6929), (159, 6935), (160, 6938), (167, 6977), (179, 7049), (185, 7073), (186, 7082), (189, 7103), (200, 7148), (202, 7163), (209, 7199), (211, 7211), (215, 7226), (231, 7451), (238, 7550), (243, 7595), (271, 7673), (276, 7700), (280, 7724), (292, 7808), (302, 7877), (313, 7955), (320, 7982), (321, 7985), (328, 8024), (329, 8027), (334, 8096), (335, 8099), (340, 8132), (346, 8189), (350, 8252), (352, 8270), (357, 8321), (361, 8351), (368, 8411), (371, 8450), (375, 8483), (377, 8492), (380, 8528), (395, 8666), (402, 8732),

Gene: Iridoclysis_9 Start: 6364, Stop: 8937, Start Num: 30

Candidate Starts for Iridoclysis_9:

(22, 6235), (Start: 30 @6364 has 463 MA's), (40, 6415), (42, 6427), (45, 6442), (Start: 50 @6466 has 1 MA's), (65, 6526), (71, 6547), (94, 6619), (101, 6649), (113, 6727), (Start: 114 @6742 has 1 MA's), (122, 6778), (128, 6793), (133, 6814), (158, 6934), (159, 6940), (160, 6943), (167, 6982), (179, 7054), (185, 7078), (186, 7087), (189, 7108), (200, 7153), (202, 7168), (211, 7216), (215, 7231), (231, 7456), (238, 7555), (243, 7600), (271, 7678), (276, 7705), (280, 7729), (292, 7813), (302, 7882), (320, 7987), (321, 7990), (328, 8029), (329, 8032), (334, 8101), (335, 8104), (340, 8137), (346, 8194), (350, 8257), (352, 8275), (357, 8326), (361, 8356), (368, 8416), (371, 8455), (375, 8488), (377, 8497), (380, 8533), (388, 8602), (395, 8671), (402, 8737),

Gene: IsaacEli_9 Start: 6357, Stop: 8930, Start Num: 30

Candidate Starts for IsaacEli_9:

(22, 6228), (Start: 30 @6357 has 463 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (167, 6975), (179, 7047),

(185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (388, 8595), (395, 8664), (402, 8730),

Gene: ItsyBitsy1_13 Start: 9608, Stop: 12055, Start Num: 30

Candidate Starts for ItsyBitsy1_13:

(Start: 30 @9608 has 463 MA's), (41, 9662), (54, 9722), (76, 9815), (78, 9821), (84, 9836), (91, 9857), (96, 9887), (116, 9968), (117, 9971), (120, 9980), (131, 10007), (137, 10034), (157, 10106), (160, 10118), (164, 10136), (167, 10142), (178, 10205), (190, 10250), (200, 10292), (205, 10322), (222, 10493), (223, 10514), (224, 10520), (231, 10592), (236, 10655), (241, 10733), (244, 10739), (266, 10790), (271, 10829), (275, 10850), (276, 10856), (280, 10880), (288, 10931), (289, 10934), (292, 10964), (300, 11021), (302, 11033), (303, 11048), (307, 11075), (314, 11117), (323, 11162), (324, 11165), (329, 11195), (333, 11258), (334, 11264), (335, 11267), (338, 11279), (348, 11375), (350, 11417), (357, 11486), (364, 11564), (370, 11618), (377, 11663), (378, 11666), (379, 11693), (386, 11759), (389, 11774), (391, 11795), (394, 11834), (404, 11888), (410, 11915), (415, 11927), (427, 11975),

Gene: JAMaL_9 Start: 8166, Stop: 10664, Start Num: 30

Candidate Starts for JAMaL_9:

(Start: 28 @8160 has 1 MA's), (Start: 30 @8166 has 463 MA's), (39, 8208), (42, 8229), (44, 8241), (63, 8331), (76, 8394), (81, 8409), (85, 8418), (89, 8427), (94, 8445), (95, 8454), (101, 8466), (106, 8481), (143, 8583), (145, 8592), (152, 8625), (155, 8646), (157, 8655), (159, 8664), (160, 8667), (164, 8691), (165, 8700), (171, 8730), (174, 8748), (176, 8754), (178, 8763), (186, 8799), (192, 8832), (202, 8880), (203, 8883), (209, 8910), (211, 8922), (222, 9063), (231, 9162), (243, 9297), (265, 9375), (271, 9429), (276, 9456), (279, 9477), (280, 9480), (287, 9525), (290, 9549), (317, 9723), (320, 9741), (328, 9783), (329, 9786), (330, 9813), (335, 9858), (340, 9891), (346, 9948), (351, 10026), (352, 10029), (355, 10059), (357, 10080), (361, 10110), (363, 10125), (364, 10152), (371, 10209), (372, 10215), (377, 10251), (380, 10287), (386, 10347), (389, 10362), (391, 10383), (395, 10425), (404, 10479), (410, 10506), (415, 10518), (424, 10563), (434, 10599), (436, 10620),

Gene: JDog_9 Start: 6359, Stop: 8932, Start Num: 30

Candidate Starts for JDog_9:

(22, 6230), (Start: 30 @6359 has 463 MA's), (40, 6410), (42, 6422), (45, 6437), (Start: 50 @6461 has 1 MA's), (65, 6521), (71, 6542), (94, 6614), (101, 6644), (113, 6722), (Start: 114 @6737 has 1 MA's), (122, 6773), (128, 6788), (133, 6809), (158, 6929), (159, 6935), (160, 6938), (167, 6977), (179, 7049), (185, 7073), (186, 7082), (189, 7103), (200, 7148), (202, 7163), (209, 7199), (211, 7211), (215, 7226), (231, 7451), (238, 7550), (243, 7595), (271, 7673), (276, 7700), (280, 7724), (292, 7808), (302, 7877), (313, 7955), (320, 7982), (321, 7985), (328, 8024), (329, 8027), (334, 8096), (335, 8099), (340, 8132), (346, 8189), (350, 8252), (352, 8270), (357, 8321), (361, 8351), (368, 8411), (371, 8450), (375, 8483), (377, 8492), (380, 8528), (395, 8666), (402, 8732),

Gene: JacAttac_9 Start: 6357, Stop: 8930, Start Num: 30

Candidate Starts for JacAttac_9:

(22, 6228), (Start: 30 @6357 has 463 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (167, 6975), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (388, 8595), (395, 8664), (402, 8730),

Gene: Jackstina_11 Start: 8224, Stop: 10557, Start Num: 49

Candidate Starts for Jackstina_11:

(Start: 30 @8125 has 463 MA's), (Start: 49 @8224 has 2 MA's), (Start: 50 @8227 has 1 MA's), (62, 8272), (65, 8296), (66, 8299), (77, 8344), (92, 8383), (105, 8434), (118, 8464), (132, 8494), (140, 8521), (142, 8527), (155, 8593), (183, 8677), (185, 8683), (186, 8692), (187, 8695), (190, 8716), (202, 8773), (220, 8929), (223, 8989), (243, 9211), (271, 9307), (280, 9358), (288, 9409), (310, 9571), (320, 9628), (321, 9631), (323, 9640), (334, 9742), (346, 9835), (352, 9916), (380, 10174), (386, 10234), (389, 10249), (393, 10303), (405, 10387), (407, 10399), (425, 10468),

Gene: JaguarMi_11 Start: 8458, Stop: 10965, Start Num: 30

Candidate Starts for JaguarMi_11:

(Start: 30 @8458 has 463 MA's), (39, 8500), (44, 8533), (63, 8623), (76, 8686), (81, 8701), (85, 8710), (89, 8719), (94, 8737), (95, 8746), (122, 8809), (124, 8812), (143, 8875), (145, 8884), (147, 8893), (152, 8917), (155, 8938), (156, 8941), (157, 8947), (159, 8956), (160, 8959), (161, 8971), (164, 8983), (169, 9007), (171, 9022), (174, 9040), (186, 9091), (192, 9124), (202, 9172), (203, 9175), (209, 9202), (211, 9214), (243, 9589), (271, 9730), (276, 9757), (279, 9778), (280, 9781), (287, 9826), (290, 9850), (302, 9934), (317, 10024), (320, 10042), (328, 10084), (330, 10114), (335, 10159), (340, 10192), (341, 10207), (346, 10249), (348, 10270), (351, 10327), (352, 10330), (355, 10360), (357, 10381), (363, 10426), (364, 10453), (371, 10510), (372, 10516), (377, 10552), (380, 10588), (386, 10648), (389, 10663), (395, 10726), (410, 10807), (415, 10819), (425, 10867), (434, 10900), (436, 10921),

Gene: JakeO_9 Start: 6359, Stop: 8932, Start Num: 30

Candidate Starts for JakeO_9:

(22, 6230), (Start: 30 @6359 has 463 MA's), (40, 6410), (42, 6422), (45, 6437), (Start: 50 @6461 has 1 MA's), (65, 6521), (71, 6542), (94, 6614), (101, 6644), (113, 6722), (Start: 114 @6737 has 1 MA's), (122, 6773), (128, 6788), (133, 6809), (158, 6929), (159, 6935), (160, 6938), (167, 6977), (179, 7049), (185, 7073), (186, 7082), (189, 7103), (200, 7148), (202, 7163), (209, 7199), (211, 7211), (215, 7226), (231, 7451), (238, 7550), (243, 7595), (271, 7673), (276, 7700), (280, 7724), (292, 7808), (302, 7877), (313, 7955), (320, 7982), (321, 7985), (328, 8024), (329, 8027), (334, 8096), (335, 8099), (340, 8132), (346, 8189), (350, 8252), (352, 8270), (357, 8321), (361, 8351), (368, 8411), (371, 8450), (375, 8483), (377, 8492), (380, 8528), (395, 8666), (402, 8732),

Gene: JangoPhett_9 Start: 6358, Stop: 8931, Start Num: 30

Candidate Starts for JangoPhett_9:

(22, 6229), (Start: 30 @6358 has 463 MA's), (40, 6409), (42, 6421), (45, 6436), (Start: 50 @6460 has 1 MA's), (65, 6520), (71, 6541), (94, 6613), (101, 6643), (113, 6721), (Start: 114 @6736 has 1 MA's), (122, 6772), (128, 6787), (133, 6808), (158, 6928), (159, 6934), (160, 6937), (167, 6976), (179, 7048), (185, 7072), (186, 7081), (189, 7102), (200, 7147), (202, 7162), (211, 7210), (215, 7225), (231, 7450), (238, 7549), (243, 7594), (271, 7672), (276, 7699), (280, 7723), (292, 7807), (302, 7876), (320, 7981), (321, 7984), (328, 8023), (329, 8026), (334, 8095), (335, 8098), (340, 8131), (346, 8188), (350, 8251), (352, 8269), (357, 8320), (361, 8350), (368, 8410), (371, 8449), (375, 8482), (377, 8491), (380, 8527), (388, 8596), (395, 8665), (402, 8731),

Gene: Jbug01_10 Start: 6773, Stop: 8947, Start Num: 122

Candidate Starts for Jbug01_10:

(22, 6230), (Start: 30 @6359 has 463 MA's), (40, 6410), (42, 6422), (45, 6437), (Start: 50 @6461 has 1 MA's), (65, 6521), (71, 6542), (94, 6614), (101, 6644), (113, 6722), (Start: 114 @6737 has 1 MA's), (122, 6773), (128, 6788), (133, 6809), (158, 6929), (159, 6935), (160, 6938), (167, 6977), (179, 7049), (185, 7073), (186, 7082), (189, 7103), (200, 7148), (202, 7163), (209, 7199), (211, 7211), (215, 7226), (231, 7451), (238, 7550), (243, 7595), (271, 7673), (276, 7700), (280, 7724), (292, 7808), (302, 7877), (313, 7955), (320, 7982), (321, 7985), (328, 8024), (329, 8027), (334, 8096), (335, 8099), (340, 8132), (346, 8189), (350, 8252), (352, 8270), (357, 8321), (361, 8351), (368, 8411), (371, 8450), (375, 8483),

(377, 8492), (380, 8528), (395, 8666), (402, 8732),

Gene: JellyBelly_9 Start: 7141, Stop: 9585, Start Num: 30

Candidate Starts for JellyBelly_9:

(Start: 30 @7141 has 463 MA's), (Start: 31 @7144 has 1 MA's), (Start: 35 @7159 has 1 MA's), (46, 7225), (47, 7228), (53, 7246), (72, 7327), (89, 7378), (91, 7384), (120, 7453), (140, 7525), (141, 7528), (152, 7576), (155, 7597), (161, 7630), (185, 7681), (190, 7714), (198, 7744), (200, 7756), (202, 7771), (223, 7978), (234, 8092), (243, 8230), (262, 8305), (266, 8329), (267, 8332), (268, 8338), (271, 8368), (275, 8389), (277, 8404), (280, 8419), (284, 8440), (291, 8500), (292, 8503), (295, 8524), (303, 8587), (313, 8653), (318, 8668), (320, 8680), (333, 8788), (335, 8797), (341, 8845), (347, 8887), (352, 8965), (353, 8968), (363, 9061), (366, 9103), (380, 9226), (389, 9301), (392, 9343), (396, 9373), (404, 9409), (406, 9424), (425, 9496),

Gene: Jesabah_9 Start: 6361, Stop: 8934, Start Num: 30

Candidate Starts for Jesabah_9:

(22, 6232), (Start: 30 @6361 has 463 MA's), (40, 6412), (42, 6424), (45, 6439), (Start: 50 @6463 has 1 MA's), (65, 6523), (71, 6544), (94, 6616), (101, 6646), (113, 6724), (Start: 114 @6739 has 1 MA's), (122, 6775), (128, 6790), (133, 6811), (158, 6931), (159, 6937), (160, 6940), (179, 7051), (185, 7075), (186, 7084), (189, 7105), (200, 7150), (202, 7165), (211, 7213), (215, 7228), (231, 7453), (238, 7552), (243, 7597), (271, 7675), (276, 7702), (280, 7726), (292, 7810), (302, 7879), (320, 7984), (321, 7987), (328, 8026), (329, 8029), (334, 8098), (335, 8101), (340, 8134), (346, 8191), (350, 8254), (352, 8272), (357, 8323), (361, 8353), (368, 8413), (371, 8452), (375, 8485), (377, 8494), (380, 8530), (388, 8599), (395, 8668), (402, 8734),

Gene: Jillium_9 Start: 6360, Stop: 8933, Start Num: 30

Candidate Starts for Jillium_9:

(22, 6231), (Start: 30 @6360 has 463 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (89, 6597), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Jiminy_9 Start: 6359, Stop: 8935, Start Num: 30

Candidate Starts for Jiminy_9:

(22, 6230), (Start: 30 @6359 has 463 MA's), (40, 6410), (42, 6422), (45, 6437), (Start: 50 @6461 has 1 MA's), (65, 6521), (71, 6542), (94, 6614), (101, 6644), (113, 6722), (Start: 114 @6737 has 1 MA's), (122, 6773), (128, 6788), (133, 6809), (159, 6935), (160, 6938), (179, 7049), (185, 7073), (186, 7082), (189, 7103), (200, 7148), (202, 7163), (209, 7199), (211, 7211), (215, 7226), (231, 7451), (238, 7550), (243, 7595), (271, 7673), (276, 7700), (280, 7724), (292, 7808), (302, 7877), (313, 7955), (320, 7982), (321, 7985), (328, 8024), (329, 8027), (334, 8096), (335, 8099), (340, 8132), (346, 8189), (350, 8252), (352, 8270), (357, 8321), (361, 8351), (368, 8411), (371, 8450), (375, 8483), (377, 8492), (380, 8528), (394, 8663), (395, 8666), (402, 8732),

Gene: Jiraiya_9 Start: 6359, Stop: 8932, Start Num: 30

Candidate Starts for Jiraiya_9:

(22, 6230), (Start: 30 @6359 has 463 MA's), (40, 6410), (42, 6422), (45, 6437), (Start: 50 @6461 has 1 MA's), (65, 6521), (71, 6542), (94, 6614), (101, 6644), (113, 6722), (Start: 114 @6737 has 1 MA's), (122, 6773), (128, 6788), (133, 6809), (158, 6929), (159, 6935), (160, 6938), (167, 6977), (179, 7049), (185, 7073), (186, 7082), (189, 7103), (200, 7148), (202, 7163), (209, 7199), (211, 7211), (215, 7226), (231, 7451), (238, 7550), (243, 7595), (271, 7673), (276, 7700), (280, 7724), (292, 7808), (302, 7877),

(313, 7955), (320, 7982), (321, 7985), (328, 8024), (329, 8027), (334, 8096), (335, 8099), (340, 8132), (346, 8189), (350, 8252), (352, 8270), (357, 8321), (368, 8411), (371, 8450), (375, 8483), (377, 8492), (380, 8528), (395, 8666), (402, 8732),

Gene: JohnLord_8 Start: 5358, Stop: 7856, Start Num: 2

Candidate Starts for JohnLord_8:

(Start: 2 @5358 has 1 MA's), (Start: 3 @5361 has 3 MA's), (4, 5388), (6, 5475), (8, 5499), (10, 5556), (11, 5598), (12, 5637), (13, 5649), (15, 5694), (16, 5706), (17, 5718), (19, 5739), (23, 5859), (24, 5892), (33, 5991), (34, 5994), (38, 6015), (42, 6039), (51, 6081), (63, 6114), (67, 6144), (221, 6252), (228, 6345), (231, 6384), (236, 6450), (238, 6486), (243, 6531), (261, 6555), (268, 6609), (271, 6639), (276, 6666), (283, 6705), (294, 6792), (300, 6831), (306, 6882), (318, 6936), (322, 6948), (335, 7059), (340, 7092), (364, 7356), (371, 7413), (374, 7440), (375, 7446), (380, 7491), (382, 7509), (387, 7557), (393, 7620), (394, 7626), (395, 7629), (399, 7662), (404, 7680), (410, 7707), (421, 7749), (427, 7773), (443, 7851),

Gene: Jolie1_08 Start: 7124, Stop: 9544, Start Num: 30

Candidate Starts for Jolie1_08:

(Start: 30 @7124 has 463 MA's), (60, 7247), (63, 7262), (65, 7283), (76, 7325), (89, 7358), (91, 7364), (115, 7439), (138, 7490), (139, 7493), (155, 7574), (160, 7595), (161, 7607), (164, 7619), (178, 7667), (186, 7703), (191, 7733), (192, 7736), (200, 7769), (202, 7784), (203, 7787), (228, 8033), (231, 8072), (243, 8225), (264, 8237), (267, 8258), (271, 8294), (276, 8321), (280, 8345), (285, 8375), (294, 8447), (302, 8498), (306, 8537), (308, 8543), (318, 8594), (320, 8606), (323, 8618), (329, 8651), (330, 8678), (335, 8723), (340, 8756), (346, 8822), (351, 8900), (352, 8903), (368, 9044), (377, 9125), (380, 9161), (391, 9257), (393, 9290), (395, 9299), (408, 9380), (412, 9392), (439, 9512),

Gene: Jollymon_42 Start: 20153, Stop: 22936, Start Num: 30

Candidate Starts for Jollymon_42:

(21, 19991), (Start: 30 @20153 has 463 MA's), (32, 20162), (68, 20321), (82, 20357), (84, 20360), (93, 20381), (103, 20420), (160, 20585), (162, 20597), (164, 20609), (183, 20660), (187, 20678), (194, 20717), (225, 20981), (230, 21050), (235, 21107), (245, 21182), (274, 21257), (280, 21293), (296, 21416), (302, 21452), (312, 21518), (315, 21539), (320, 21596), (322, 21602), (327, 21626), (332, 21689), (344, 21788), (375, 22169), (376, 22172), (377, 22178), (383, 22259), (394, 22367), (401, 22436), (403, 22442), (413, 22481), (433, 22571), (445, 22658), (447, 22814), (448, 22835), (449, 22868), (450, 22901), (452, 22919),

Gene: JoyceMaria_10 Start: 8637, Stop: 11144, Start Num: 30

Candidate Starts for JoyceMaria_10:

(Start: 30 @8637 has 463 MA's), (39, 8679), (44, 8712), (63, 8802), (76, 8865), (81, 8880), (85, 8889), (89, 8898), (94, 8916), (95, 8925), (101, 8937), (122, 8988), (124, 8991), (143, 9054), (145, 9063), (152, 9096), (155, 9117), (156, 9120), (157, 9126), (159, 9135), (160, 9138), (164, 9162), (169, 9186), (171, 9201), (174, 9219), (176, 9225), (186, 9270), (192, 9303), (202, 9351), (203, 9354), (211, 9393), (243, 9768), (271, 9909), (276, 9936), (279, 9957), (280, 9960), (287, 10005), (290, 10029), (302, 10113), (317, 10203), (320, 10221), (328, 10263), (330, 10293), (335, 10338), (340, 10371), (341, 10386), (346, 10428), (348, 10449), (351, 10506), (352, 10509), (355, 10539), (357, 10560), (361, 10590), (363, 10605), (364, 10632), (371, 10689), (372, 10695), (377, 10731), (380, 10767), (386, 10827), (391, 10863), (394, 10902), (395, 10905), (410, 10986), (434, 11079), (436, 11100),

Gene: KLUcky39_9 Start: 6360, Stop: 8933, Start Num: 30

Candidate Starts for KLUcky39_9:

(22, 6231), (Start: 30 @6360 has 463 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452),

(238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Kahve_9 Start: 6360, Stop: 8933, Start Num: 30

Candidate Starts for Kahve_9:

(22, 6231), (Start: 30 @6360 has 463 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (89, 6597), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Kailash_9 Start: 6357, Stop: 8942, Start Num: 30

Candidate Starts for Kailash_9:

(Start: 30 @6357 has 463 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (209, 7197), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (313, 7953), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (394, 8661), (395, 8664), (402, 8730),

Gene: Kaleb_13 Start: 9734, Stop: 12181, Start Num: 30

Candidate Starts for Kaleb_13:

(Start: 30 @9734 has 463 MA's), (41, 9788), (54, 9848), (76, 9941), (78, 9947), (84, 9962), (91, 9983), (96, 10013), (116, 10094), (117, 10097), (120, 10106), (131, 10133), (137, 10160), (157, 10232), (160, 10244), (164, 10262), (167, 10268), (178, 10331), (190, 10376), (200, 10418), (205, 10448), (222, 10619), (223, 10640), (224, 10646), (231, 10718), (236, 10781), (241, 10859), (244, 10865), (266, 10916), (271, 10955), (275, 10976), (276, 10982), (280, 11006), (288, 11057), (289, 11060), (292, 11090), (300, 11147), (302, 11159), (303, 11174), (307, 11201), (314, 11243), (323, 11288), (324, 11291), (329, 11321), (333, 11384), (334, 11390), (335, 11393), (338, 11405), (348, 11501), (350, 11543), (357, 11612), (364, 11690), (370, 11744), (377, 11789), (378, 11792), (379, 11819), (386, 11885), (389, 11900), (391, 11921), (394, 11960), (404, 12014), (410, 12041), (415, 12053), (427, 12101),

Gene: Kamiyu_12 Start: 8203, Stop: 10635, Start Num: 30

Candidate Starts for Kamiyu_12:

(Start: 30 @8203 has 463 MA's), (Start: 49 @8302 has 2 MA's), (Start: 50 @8305 has 1 MA's), (62, 8350), (65, 8374), (66, 8377), (77, 8422), (92, 8461), (105, 8512), (118, 8542), (132, 8572), (140, 8599), (142, 8605), (155, 8671), (183, 8755), (185, 8761), (186, 8770), (187, 8773), (190, 8794), (202, 8851), (220, 9007), (223, 9067), (243, 9289), (271, 9385), (280, 9436), (288, 9487), (310, 9649), (320, 9706), (321, 9709), (323, 9718), (334, 9820), (346, 9913), (352, 9994), (380, 10252), (386, 10312), (389, 10327), (393, 10381), (405, 10465), (407, 10477), (425, 10546),

Gene: KarasumaRum_12 Start: 8728, Stop: 11235, Start Num: 30

Candidate Starts for KarasumaRum_12:

(Start: 29 @8725 has 2 MA's), (Start: 30 @8728 has 463 MA's), (41, 8782), (45, 8806), (53, 8839), (63, 8875), (112, 9049), (124, 9064), (129, 9076), (135, 9097), (143, 9127), (164, 9235), (178, 9298), (179,

9301), (185, 9325), (186, 9334), (187, 9337), (190, 9358), (211, 9463), (226, 9652), (243, 9835), (266, 9961), (270, 9979), (271, 10000), (280, 10051), (281, 10057), (292, 10144), (317, 10303), (320, 10321), (329, 10366), (334, 10435), (340, 10471), (341, 10486), (346, 10528), (352, 10609), (364, 10732), (371, 10789), (372, 10795), (373, 10810), (380, 10867), (392, 10984), (410, 11083),

Gene: Karn_9 Start: 6521, Stop: 8932, Start Num: 65

Candidate Starts for Karn_9:

(22, 6230), (Start: 30 @6359 has 463 MA's), (40, 6410), (42, 6422), (45, 6437), (Start: 50 @6461 has 1 MA's), (65, 6521), (71, 6542), (94, 6614), (101, 6644), (113, 6722), (Start: 114 @6737 has 1 MA's), (122, 6773), (128, 6788), (133, 6809), (158, 6929), (159, 6935), (160, 6938), (167, 6977), (179, 7049), (185, 7073), (186, 7082), (189, 7103), (200, 7148), (202, 7163), (209, 7199), (211, 7211), (215, 7226), (231, 7451), (238, 7550), (243, 7595), (271, 7673), (276, 7700), (280, 7724), (292, 7808), (302, 7877), (313, 7955), (320, 7982), (321, 7985), (328, 8024), (329, 8027), (334, 8096), (335, 8099), (340, 8132), (346, 8189), (350, 8252), (352, 8270), (357, 8321), (361, 8351), (368, 8411), (371, 8450), (375, 8483), (377, 8492), (380, 8528), (395, 8666), (402, 8732),

Gene: Katniss_9 Start: 6361, Stop: 8934, Start Num: 30

Candidate Starts for Katniss_9:

(22, 6232), (Start: 30 @6361 has 463 MA's), (40, 6412), (42, 6424), (45, 6439), (Start: 50 @6463 has 1 MA's), (65, 6523), (71, 6544), (94, 6616), (101, 6646), (113, 6724), (Start: 114 @6739 has 1 MA's), (122, 6775), (128, 6790), (133, 6811), (158, 6931), (159, 6937), (160, 6940), (167, 6979), (179, 7051), (185, 7075), (186, 7084), (189, 7105), (200, 7150), (202, 7165), (211, 7213), (215, 7228), (231, 7453), (238, 7552), (243, 7597), (271, 7675), (276, 7702), (280, 7726), (292, 7810), (302, 7879), (320, 7984), (321, 7987), (328, 8026), (329, 8029), (334, 8098), (335, 8101), (340, 8134), (346, 8191), (350, 8254), (352, 8272), (357, 8323), (361, 8353), (368, 8413), (371, 8452), (375, 8485), (377, 8494), (380, 8530), (388, 8599), (395, 8668), (402, 8734),

Gene: KayaCho_8 Start: 7142, Stop: 9547, Start Num: 30

Candidate Starts for KayaCho_8:

(Start: 30 @7142 has 463 MA's), (60, 7265), (63, 7280), (76, 7343), (89, 7376), (91, 7382), (115, 7457), (138, 7508), (139, 7511), (143, 7529), (152, 7571), (155, 7592), (160, 7613), (164, 7637), (178, 7679), (186, 7715), (192, 7748), (200, 7781), (202, 7796), (203, 7799), (209, 7832), (228, 8045), (231, 8084), (243, 8228), (264, 8240), (267, 8261), (271, 8297), (280, 8348), (285, 8378), (294, 8450), (302, 8501), (308, 8546), (317, 8591), (318, 8597), (320, 8609), (323, 8621), (329, 8654), (330, 8681), (335, 8726), (340, 8759), (342, 8780), (346, 8825), (351, 8903), (352, 8906), (357, 8957), (368, 9047), (377, 9128), (380, 9164), (391, 9260), (393, 9293), (395, 9302), (408, 9383), (412, 9395), (439, 9515),

Gene: Keitherie_9 Start: 6356, Stop: 8947, Start Num: 30

Candidate Starts for Keitherie_9:

(22, 6227), (Start: 30 @6356 has 463 MA's), (40, 6407), (42, 6419), (45, 6434), (Start: 50 @6458 has 1 MA's), (65, 6518), (71, 6539), (94, 6611), (101, 6641), (113, 6719), (Start: 114 @6734 has 1 MA's), (122, 6770), (128, 6785), (133, 6806), (158, 6926), (159, 6932), (160, 6935), (179, 7046), (185, 7070), (186, 7079), (189, 7100), (200, 7145), (202, 7160), (209, 7196), (211, 7208), (215, 7223), (231, 7448), (238, 7547), (243, 7592), (271, 7670), (276, 7697), (280, 7721), (292, 7805), (302, 7874), (313, 7952), (320, 7979), (321, 7982), (328, 8021), (329, 8024), (334, 8093), (335, 8096), (340, 8129), (346, 8186), (350, 8249), (352, 8267), (357, 8318), (361, 8348), (368, 8408), (371, 8447), (375, 8480), (377, 8489), (380, 8525), (395, 8663), (402, 8729),

Gene: Khan1_9 Start: 6359, Stop: 8932, Start Num: 30

Candidate Starts for Khan1_9:

(22, 6230), (Start: 30 @6359 has 463 MA's), (40, 6410), (42, 6422), (45, 6437), (Start: 50 @6461 has 1 MA's), (65, 6521), (71, 6542), (94, 6614), (101, 6644), (113, 6722), (Start: 114 @6737 has 1 MA's), (122, 6773), (128, 6788), (133, 6809), (158, 6929), (159, 6935), (160, 6938), (167, 6977), (179, 7049),

(185, 7073), (186, 7082), (189, 7103), (200, 7148), (202, 7163), (209, 7199), (211, 7211), (215, 7226), (231, 7451), (238, 7550), (243, 7595), (271, 7673), (276, 7700), (280, 7724), (292, 7808), (302, 7877), (313, 7955), (320, 7982), (321, 7985), (328, 8024), (329, 8027), (334, 8096), (335, 8099), (340, 8132), (346, 8189), (350, 8252), (352, 8270), (357, 8321), (361, 8351), (368, 8411), (371, 8450), (375, 8483), (377, 8492), (380, 8528), (395, 8666), (402, 8732),

Gene: Kheth_13 Start: 9617, Stop: 12064, Start Num: 30

Candidate Starts for Kheth_13:

(Start: 30 @9617 has 463 MA's), (41, 9671), (54, 9731), (76, 9824), (78, 9830), (84, 9845), (91, 9866), (96, 9896), (116, 9977), (117, 9980), (120, 9989), (131, 10016), (137, 10043), (157, 10115), (160, 10127), (164, 10145), (167, 10151), (178, 10214), (190, 10259), (200, 10301), (205, 10331), (222, 10502), (223, 10523), (224, 10529), (231, 10601), (236, 10664), (241, 10742), (244, 10748), (266, 10799), (271, 10838), (275, 10859), (276, 10865), (280, 10889), (288, 10940), (289, 10943), (292, 10973), (300, 11030), (302, 11042), (303, 11057), (307, 11084), (314, 11126), (323, 11171), (324, 11174), (329, 11204), (333, 11267), (334, 11273), (335, 11276), (338, 11288), (348, 11384), (350, 11426), (357, 11495), (358, 11501), (364, 11573), (370, 11627), (377, 11672), (378, 11675), (379, 11702), (386, 11768), (389, 11783), (391, 11804), (394, 11843), (404, 11897), (410, 11924), (415, 11936), (427, 11984),

Gene: Kikipoo_9 Start: 6357, Stop: 8930, Start Num: 30

Candidate Starts for Kikipoo_9:

(22, 6228), (Start: 30 @6357 has 463 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (167, 6975), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (388, 8595), (395, 8664), (402, 8730),

Gene: Kimbrough_9 Start: 6360, Stop: 8933, Start Num: 30

Candidate Starts for Kimbrough_9:

(22, 6231), (Start: 30 @6360 has 463 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (91, 6603), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: KingTut_9 Start: 6361, Stop: 8934, Start Num: 30

Candidate Starts for KingTut_9:

(22, 6232), (Start: 30 @6361 has 463 MA's), (40, 6412), (42, 6424), (45, 6439), (Start: 50 @6463 has 1 MA's), (65, 6523), (71, 6544), (94, 6616), (101, 6646), (113, 6724), (Start: 114 @6739 has 1 MA's), (122, 6775), (128, 6790), (133, 6811), (158, 6931), (159, 6937), (160, 6940), (167, 6979), (179, 7051), (185, 7075), (186, 7084), (189, 7105), (200, 7150), (202, 7165), (211, 7213), (215, 7228), (231, 7453), (238, 7552), (243, 7597), (271, 7675), (276, 7702), (280, 7726), (292, 7810), (302, 7879), (320, 7984), (321, 7987), (328, 8026), (329, 8029), (334, 8098), (335, 8101), (340, 8134), (346, 8191), (350, 8254), (352, 8272), (357, 8323), (361, 8353), (368, 8413), (371, 8452), (375, 8485), (377, 8494), (380, 8530), (388, 8599), (395, 8668), (402, 8734),

Gene: KingVeVeVe_9 Start: 6361, Stop: 8934, Start Num: 30

Candidate Starts for KingVeVeVe_9:

(22, 6232), (Start: 30 @6361 has 463 MA's), (40, 6412), (42, 6424), (45, 6439), (Start: 50 @6463 has 1 MA's), (65, 6523), (71, 6544), (94, 6616), (101, 6646), (113, 6724), (Start: 114 @6739 has 1 MA's), (122, 6775), (128, 6790), (133, 6811), (158, 6931), (159, 6937), (160, 6940), (179, 7051), (185, 7075), (186, 7084), (189, 7105), (200, 7150), (202, 7165), (209, 7201), (211, 7213), (215, 7228), (231, 7453), (238, 7552), (243, 7597), (271, 7675), (276, 7702), (280, 7726), (292, 7810), (302, 7879), (320, 7984), (321, 7987), (328, 8026), (329, 8029), (334, 8098), (335, 8101), (340, 8134), (346, 8191), (350, 8254), (352, 8272), (357, 8323), (361, 8353), (368, 8413), (371, 8452), (375, 8485), (377, 8494), (380, 8530), (395, 8668), (402, 8734),

Gene: KingstonB_40 Start: 19661, Stop: 22444, Start Num: 30

Candidate Starts for KingstonB_40:

(21, 19499), (Start: 30 @19661 has 463 MA's), (32, 19670), (53, 19769), (68, 19829), (82, 19865), (84, 19868), (93, 19889), (103, 19928), (160, 20093), (162, 20105), (164, 20117), (183, 20168), (187, 20186), (194, 20225), (225, 20489), (230, 20558), (235, 20615), (245, 20690), (274, 20765), (280, 20801), (296, 20924), (302, 20960), (312, 21026), (315, 21047), (320, 21104), (322, 21110), (327, 21134), (332, 21197), (344, 21296), (375, 21677), (376, 21680), (377, 21686), (383, 21767), (394, 21875), (401, 21944), (403, 21950), (413, 21989), (433, 22079), (445, 22166), (447, 22322), (448, 22343), (449, 22376), (450, 22409), (452, 22427),

Gene: Kiwot_9 Start: 6359, Stop: 8935, Start Num: 30

Candidate Starts for Kiwot_9:

(22, 6230), (Start: 30 @6359 has 463 MA's), (40, 6410), (42, 6422), (45, 6437), (Start: 50 @6461 has 1 MA's), (65, 6521), (71, 6542), (94, 6614), (101, 6644), (113, 6722), (Start: 114 @6737 has 1 MA's), (122, 6773), (128, 6788), (133, 6809), (158, 6929), (159, 6935), (160, 6938), (179, 7049), (185, 7073), (186, 7082), (189, 7103), (200, 7148), (202, 7163), (209, 7199), (211, 7211), (215, 7226), (231, 7451), (238, 7550), (243, 7595), (271, 7673), (276, 7700), (280, 7724), (292, 7808), (302, 7877), (313, 7955), (320, 7982), (321, 7985), (328, 8024), (329, 8027), (334, 8096), (335, 8099), (340, 8132), (346, 8189), (350, 8252), (352, 8270), (357, 8321), (361, 8351), (368, 8411), (371, 8450), (375, 8483), (377, 8492), (380, 8528), (394, 8663), (395, 8666), (402, 8732),

Gene: KlimbOn_9 Start: 6360, Stop: 8933, Start Num: 30

Candidate Starts for KlimbOn_9:

(22, 6231), (Start: 30 @6360 has 463 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Kloppinator_9 Start: 6358, Stop: 8931, Start Num: 30

Candidate Starts for Kloppinator_9:

(22, 6229), (Start: 30 @6358 has 463 MA's), (40, 6409), (42, 6421), (45, 6436), (Start: 50 @6460 has 1 MA's), (65, 6520), (71, 6541), (94, 6613), (101, 6643), (113, 6721), (Start: 114 @6736 has 1 MA's), (122, 6772), (128, 6787), (133, 6808), (158, 6928), (159, 6934), (160, 6937), (167, 6976), (179, 7048), (185, 7072), (186, 7081), (189, 7102), (200, 7147), (202, 7162), (211, 7210), (215, 7225), (231, 7450), (238, 7549), (243, 7594), (271, 7672), (276, 7699), (280, 7723), (292, 7807), (302, 7876), (320, 7981), (321, 7984), (328, 8023), (329, 8026), (334, 8095), (335, 8098), (340, 8131), (346, 8188), (350, 8251), (352, 8269), (357, 8320), (361, 8350), (368, 8410), (371, 8449), (375, 8482), (377, 8491), (380, 8527), (388, 8596), (395, 8665), (402, 8731),

Gene: Klocker_15 Start: 11104, Stop: 13569, Start Num: 30

Candidate Starts for Klocker_15:

(Start: 30 @11104 has 463 MA's), (41, 11158), (46, 11194), (47, 11197), (65, 11254), (81, 11311), (89, 11329), (94, 11347), (95, 11356), (99, 11362), (101, 11368), (122, 11416), (134, 11446), (140, 11473), (152, 11524), (155, 11545), (160, 11566), (163, 11584), (164, 11590), (173, 11617), (178, 11638), (192, 11707), (200, 11740), (202, 11755), (218, 11884), (224, 11965), (226, 11986), (229, 12019), (243, 12184), (255, 12232), (271, 12328), (273, 12334), (275, 12349), (280, 12379), (292, 12463), (303, 12547), (307, 12574), (317, 12622), (320, 12640), (321, 12643), (326, 12667), (328, 12682), (334, 12754), (346, 12847), (351, 12922), (352, 12925), (367, 13060), (368, 13066), (375, 13138), (380, 13183), (389, 13258), (391, 13279), (395, 13321), (404, 13375), (410, 13402), (422, 13453), (426, 13465), (436, 13540), (440, 13552), (441, 13561),

Gene: Kolhan_13 Start: 9617, Stop: 12064, Start Num: 30

Candidate Starts for Kolhan_13:

(Start: 30 @9617 has 463 MA's), (41, 9671), (54, 9731), (76, 9824), (78, 9830), (84, 9845), (91, 9866), (96, 9896), (116, 9977), (117, 9980), (120, 9989), (131, 10016), (137, 10043), (157, 10115), (160, 10127), (164, 10145), (167, 10151), (178, 10214), (190, 10259), (200, 10301), (205, 10331), (222, 10502), (223, 10523), (224, 10529), (231, 10601), (236, 10664), (241, 10742), (244, 10748), (266, 10799), (271, 10838), (275, 10859), (276, 10865), (280, 10889), (288, 10940), (289, 10943), (292, 10973), (300, 11030), (302, 11042), (303, 11057), (307, 11084), (314, 11126), (323, 11171), (324, 11174), (329, 11204), (333, 11267), (334, 11273), (335, 11276), (338, 11288), (348, 11384), (350, 11426), (357, 11495), (364, 11573), (370, 11627), (377, 11672), (378, 11675), (379, 11702), (386, 11768), (389, 11783), (391, 11804), (394, 11843), (404, 11897), (410, 11924), (415, 11936), (427, 11984),

Gene: Kronus_11 Start: 8815, Stop: 11247, Start Num: 30

Candidate Starts for Kronus_11:

(Start: 30 @8815 has 463 MA's), (Start: 49 @8914 has 2 MA's), (Start: 50 @8917 has 1 MA's), (62, 8962), (65, 8986), (66, 8989), (73, 9019), (77, 9034), (92, 9073), (105, 9124), (118, 9154), (132, 9184), (140, 9211), (143, 9220), (155, 9283), (183, 9367), (185, 9373), (186, 9382), (187, 9385), (190, 9406), (202, 9463), (220, 9619), (223, 9679), (243, 9901), (271, 9997), (280, 10048), (288, 10099), (310, 10261), (320, 10318), (321, 10321), (323, 10330), (334, 10432), (346, 10525), (352, 10606), (380, 10864), (386, 10924), (389, 10939), (393, 10993), (405, 11077), (407, 11089), (425, 11158),

Gene: Kwadwo_9 Start: 6360, Stop: 8933, Start Num: 30

Candidate Starts for Kwadwo_9:

(22, 6231), (Start: 30 @6360 has 463 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (89, 6597), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Kwksand96_9 Start: 6357, Stop: 8933, Start Num: 30

Candidate Starts for Kwksand96_9:

(Start: 30 @6357 has 463 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (209, 7197), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (313, 7953), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250),

(352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (394, 8661), (395, 8664), (402, 8730),

Gene: Labeouficaum_9 Start: 6357, Stop: 8939, Start Num: 30

Candidate Starts for Labeouficaum_9:

(Start: 30 @6357 has 463 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (209, 7197), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (313, 7953), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (394, 8661), (395, 8664), (402, 8730),

Gene: Lambano_9 Start: 7532, Stop: 10039, Start Num: 30

Candidate Starts for Lambano_9:

(Start: 30 @7532 has 463 MA's), (39, 7574), (44, 7607), (63, 7697), (76, 7760), (81, 7775), (85, 7784), (89, 7793), (94, 7811), (95, 7820), (101, 7832), (106, 7847), (143, 7949), (145, 7958), (152, 7991), (155, 8012), (157, 8021), (159, 8030), (160, 8033), (164, 8057), (165, 8066), (167, 8072), (171, 8096), (174, 8114), (176, 8120), (178, 8129), (186, 8165), (192, 8198), (202, 8246), (203, 8249), (211, 8288), (219, 8387), (243, 8663), (271, 8804), (276, 8831), (279, 8852), (280, 8855), (287, 8900), (290, 8924), (302, 9008), (317, 9098), (320, 9116), (328, 9158), (330, 9188), (335, 9233), (340, 9266), (341, 9281), (346, 9323), (348, 9344), (351, 9401), (352, 9404), (355, 9434), (357, 9455), (361, 9485), (363, 9500), (364, 9527), (367, 9539), (371, 9584), (372, 9590), (377, 9626), (380, 9662), (386, 9722), (389, 9737), (391, 9758), (395, 9800), (410, 9881), (415, 9893), (434, 9974), (436, 9995),

Gene: Lars_13 Start: 9734, Stop: 12181, Start Num: 30

Candidate Starts for Lars_13:

(Start: 30 @9734 has 463 MA's), (41, 9788), (54, 9848), (76, 9941), (78, 9947), (84, 9962), (91, 9983), (96, 10013), (116, 10094), (117, 10097), (120, 10106), (131, 10133), (137, 10160), (157, 10232), (160, 10244), (164, 10262), (167, 10268), (178, 10331), (190, 10376), (200, 10418), (205, 10448), (222, 10619), (223, 10640), (224, 10646), (231, 10718), (236, 10781), (241, 10859), (244, 10865), (266, 10916), (271, 10955), (275, 10976), (276, 10982), (280, 11006), (288, 11057), (289, 11060), (292, 11090), (302, 11159), (303, 11174), (307, 11201), (314, 11243), (323, 11288), (324, 11291), (329, 11321), (333, 11384), (334, 11390), (335, 11393), (338, 11405), (348, 11501), (350, 11543), (357, 11612), (364, 11690), (370, 11744), (377, 11789), (378, 11792), (379, 11819), (386, 11885), (389, 11900), (391, 11921), (394, 11960), (404, 12014), (410, 12041), (415, 12053), (427, 12101),

Gene: Larson_11 Start: 6737, Stop: 8950, Start Num: 114

Candidate Starts for Larson_11:

(22, 6230), (Start: 30 @6359 has 463 MA's), (40, 6410), (42, 6422), (45, 6437), (Start: 50 @6461 has 1 MA's), (65, 6521), (71, 6542), (94, 6614), (101, 6644), (113, 6722), (Start: 114 @6737 has 1 MA's), (122, 6773), (128, 6788), (133, 6809), (158, 6929), (159, 6935), (160, 6938), (179, 7049), (185, 7073), (186, 7082), (189, 7103), (200, 7148), (202, 7163), (209, 7199), (211, 7211), (215, 7226), (231, 7451), (238, 7550), (243, 7595), (271, 7673), (276, 7700), (280, 7724), (292, 7808), (302, 7877), (313, 7955), (320, 7982), (321, 7985), (328, 8024), (329, 8027), (334, 8096), (335, 8099), (340, 8132), (346, 8189), (350, 8252), (352, 8270), (357, 8321), (361, 8351), (368, 8411), (371, 8450), (375, 8483), (377, 8492), (380, 8528), (395, 8666), (402, 8732),

Gene: LasagnaCat_9 Start: 6357, Stop: 8942, Start Num: 30

Candidate Starts for LasagnaCat_9:

(22, 6228), (Start: 30 @6357 has 463 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's),

(122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (209, 7197), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (313, 7953), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (394, 8661), (395, 8664), (402, 8730),

Gene: Lasso_9 Start: 6360, Stop: 8933, Start Num: 30

Candidate Starts for Lasso_9:

(22, 6231), (Start: 30 @6360 has 463 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Laurie_13 Start: 9618, Stop: 12065, Start Num: 30

Candidate Starts for Laurie_13:

(Start: 30 @9618 has 463 MA's), (41, 9672), (54, 9732), (76, 9825), (78, 9831), (81, 9840), (84, 9846), (91, 9867), (96, 9897), (116, 9978), (117, 9981), (120, 9990), (131, 10017), (137, 10044), (157, 10116), (160, 10128), (164, 10146), (167, 10152), (178, 10215), (190, 10260), (200, 10302), (205, 10332), (222, 10503), (223, 10524), (224, 10530), (231, 10602), (236, 10665), (241, 10743), (244, 10749), (266, 10800), (271, 10839), (275, 10860), (276, 10866), (280, 10890), (288, 10941), (289, 10944), (292, 10974), (302, 11043), (303, 11058), (307, 11085), (314, 11127), (323, 11172), (324, 11175), (329, 11205), (333, 11268), (334, 11274), (335, 11277), (338, 11289), (348, 11385), (350, 11427), (357, 11496), (364, 11574), (377, 11673), (378, 11676), (379, 11703), (386, 11769), (389, 11784), (391, 11805), (394, 11844), (404, 11898), (410, 11925), (415, 11937), (427, 11985),

Gene: LeeLot_9 Start: 6360, Stop: 8933, Start Num: 30

Candidate Starts for LeeLot_9:

(22, 6231), (Start: 30 @6360 has 463 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (209, 7200), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (313, 7956), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (395, 8667), (402, 8733),

Gene: Lego3393_9 Start: 6358, Stop: 8931, Start Num: 30

Candidate Starts for Lego3393_9:

(22, 6229), (Start: 30 @6358 has 463 MA's), (40, 6409), (42, 6421), (45, 6436), (Start: 50 @6460 has 1 MA's), (65, 6520), (71, 6541), (94, 6613), (101, 6643), (113, 6721), (Start: 114 @6736 has 1 MA's), (122, 6772), (128, 6787), (133, 6808), (158, 6928), (159, 6934), (160, 6937), (167, 6976), (179, 7048), (185, 7072), (186, 7081), (189, 7102), (200, 7147), (202, 7162), (211, 7210), (215, 7225), (231, 7450), (238, 7549), (243, 7594), (271, 7672), (276, 7699), (280, 7723), (292, 7807), (302, 7876), (320, 7981), (321, 7984), (328, 8023), (329, 8026), (334, 8095), (335, 8098), (340, 8131), (346, 8188), (350, 8251), (352, 8269), (357, 8320), (361, 8350), (368, 8410), (371, 8449), (375, 8482), (377, 8491), (380, 8527), (388, 8596), (395, 8665), (402, 8731),

Gene: Legolas_9 Start: 6361, Stop: 8934, Start Num: 30

Candidate Starts for Legolas_9:

(22, 6232), (Start: 30 @6361 has 463 MA's), (40, 6412), (42, 6424), (45, 6439), (Start: 50 @6463 has 1 MA's), (65, 6523), (71, 6544), (94, 6616), (101, 6646), (113, 6724), (Start: 114 @6739 has 1 MA's), (122, 6775), (128, 6790), (133, 6811), (158, 6931), (159, 6937), (160, 6940), (167, 6979), (179, 7051), (185, 7075), (186, 7084), (189, 7105), (200, 7150), (202, 7165), (211, 7213), (215, 7228), (231, 7453), (238, 7552), (243, 7597), (271, 7675), (276, 7702), (280, 7726), (292, 7810), (302, 7879), (320, 7984), (321, 7987), (328, 8026), (329, 8029), (334, 8098), (335, 8101), (340, 8134), (346, 8191), (350, 8254), (352, 8272), (357, 8323), (361, 8353), (368, 8413), (371, 8452), (375, 8485), (377, 8494), (380, 8530), (388, 8599), (395, 8668), (402, 8734),

Gene: Lehmann_10 Start: 6360, Stop: 8930, Start Num: 30

Candidate Starts for Lehmann_10:

(Start: 30 @6360 has 463 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: LeiMonet_9 Start: 6356, Stop: 8929, Start Num: 30

Candidate Starts for LeiMonet_9:

(22, 6227), (Start: 30 @6356 has 463 MA's), (40, 6407), (42, 6419), (45, 6434), (Start: 50 @6458 has 1 MA's), (65, 6518), (71, 6539), (94, 6611), (101, 6641), (113, 6719), (Start: 114 @6734 has 1 MA's), (122, 6770), (128, 6785), (133, 6806), (158, 6926), (159, 6932), (160, 6935), (167, 6974), (179, 7046), (185, 7070), (186, 7079), (189, 7100), (200, 7145), (202, 7160), (211, 7208), (215, 7223), (231, 7448), (238, 7547), (243, 7592), (271, 7670), (276, 7697), (280, 7721), (292, 7805), (302, 7874), (320, 7979), (321, 7982), (328, 8021), (329, 8024), (334, 8093), (335, 8096), (340, 8129), (346, 8186), (350, 8249), (352, 8267), (357, 8318), (361, 8348), (368, 8408), (371, 8447), (375, 8480), (377, 8489), (380, 8525), (388, 8594), (395, 8663), (402, 8729),

Gene: LemonSlice_9 Start: 6361, Stop: 8934, Start Num: 30

Candidate Starts for LemonSlice_9:

(22, 6232), (Start: 30 @6361 has 463 MA's), (40, 6412), (42, 6424), (45, 6439), (Start: 50 @6463 has 1 MA's), (65, 6523), (71, 6544), (94, 6616), (101, 6646), (113, 6724), (Start: 114 @6739 has 1 MA's), (122, 6775), (128, 6790), (133, 6811), (158, 6931), (159, 6937), (160, 6940), (179, 7051), (185, 7075), (186, 7084), (189, 7105), (200, 7150), (202, 7165), (211, 7213), (215, 7228), (231, 7453), (238, 7552), (243, 7597), (271, 7675), (276, 7702), (280, 7726), (292, 7810), (302, 7879), (320, 7984), (321, 7987), (328, 8026), (329, 8029), (334, 8098), (335, 8101), (340, 8134), (346, 8191), (350, 8254), (352, 8272), (357, 8323), (361, 8353), (368, 8413), (371, 8452), (375, 8485), (377, 8494), (380, 8530), (382, 8548), (388, 8599), (395, 8668), (402, 8734),

Gene: Lephleur_13 Start: 9617, Stop: 12064, Start Num: 30

Candidate Starts for Lephleur_13:

(Start: 30 @9617 has 463 MA's), (41, 9671), (54, 9731), (76, 9824), (78, 9830), (84, 9845), (91, 9866), (96, 9896), (116, 9977), (117, 9980), (120, 9989), (131, 10016), (137, 10043), (157, 10115), (160, 10127), (164, 10145), (167, 10151), (178, 10214), (190, 10259), (200, 10301), (205, 10331), (222, 10502), (223, 10523), (224, 10529), (231, 10601), (236, 10664), (241, 10742), (244, 10748), (266, 10799), (271, 10838), (275, 10859), (276, 10865), (280, 10889), (288, 10940), (289, 10943), (292, 10973), (300, 11030), (302, 11042), (303, 11057), (307, 11084), (314, 11126), (323, 11171), (324, 11174), (329, 11204), (333, 11267), (334, 11273), (335, 11276), (338, 11288), (348, 11384), (350, 11426), (357, 11495), (364, 11573), (370, 11627), (377, 11672), (378, 11675), (379, 11702), (386,

11768), (389, 11783), (391, 11804), (394, 11843), (404, 11897), (410, 11924), (415, 11936), (427, 11984),

Gene: LestyG_12 Start: 8212, Stop: 10644, Start Num: 30

Candidate Starts for LestyG_12:

(Start: 30 @8212 has 463 MA's), (Start: 49 @8311 has 2 MA's), (Start: 50 @8314 has 1 MA's), (62, 8359), (65, 8383), (66, 8386), (77, 8431), (92, 8470), (105, 8521), (118, 8551), (132, 8581), (140, 8608), (142, 8614), (155, 8680), (183, 8764), (185, 8770), (186, 8779), (187, 8782), (190, 8803), (202, 8860), (211, 8914), (220, 9016), (223, 9076), (243, 9298), (271, 9394), (280, 9445), (288, 9496), (310, 9658), (320, 9715), (321, 9718), (323, 9727), (334, 9829), (346, 9922), (352, 10003), (380, 10261), (386, 10321), (389, 10336), (393, 10390), (405, 10474), (407, 10486), (425, 10555),

Gene: Ligma_9 Start: 7149, Stop: 9533, Start Num: 35

Candidate Starts for Ligma_9:

(18, 6879), (25, 7101), (Start: 30 @7131 has 463 MA's), (Start: 31 @7134 has 1 MA's), (Start: 35 @7149 has 1 MA's), (47, 7218), (53, 7236), (58, 7248), (70, 7311), (72, 7317), (89, 7368), (91, 7374), (103, 7416), (120, 7440), (140, 7512), (154, 7581), (160, 7605), (185, 7668), (188, 7683), (190, 7701), (200, 7743), (216, 7866), (234, 8079), (242, 8178), (262, 8253), (266, 8277), (267, 8280), (268, 8286), (271, 8316), (277, 8352), (280, 8367), (284, 8388), (317, 8610), (318, 8616), (320, 8628), (329, 8673), (333, 8736), (341, 8793), (347, 8835), (351, 8910), (352, 8913), (360, 8988), (363, 9009), (368, 9057), (374, 9123), (377, 9138), (385, 9231), (389, 9249), (396, 9321), (410, 9384), (415, 9396), (425, 9444), (428, 9453), (442, 9522),

Gene: LilMcDreamy_11 Start: 9329, Stop: 11806, Start Num: 30

Candidate Starts for LilMcDreamy_11:

(Start: 30 @9329 has 463 MA's), (45, 9407), (53, 9440), (65, 9488), (81, 9545), (100, 9602), (143, 9716), (155, 9779), (160, 9800), (164, 9824), (178, 9878), (179, 9881), (185, 9905), (187, 9917), (190, 9938), (202, 9995), (203, 9998), (226, 10232), (236, 10346), (243, 10415), (246, 10421), (247, 10427), (252, 10454), (253, 10457), (266, 10526), (271, 10565), (280, 10616), (281, 10622), (300, 10766), (317, 10868), (341, 11051), (346, 11093), (352, 11174), (357, 11225), (371, 11354), (410, 11654), (415, 11666), (437, 11777),

Gene: LilSmirk_13 Start: 9617, Stop: 12064, Start Num: 30

Candidate Starts for LilSmirk_13:

(Start: 30 @9617 has 463 MA's), (41, 9671), (54, 9731), (76, 9824), (78, 9830), (84, 9845), (91, 9866), (96, 9896), (116, 9977), (117, 9980), (120, 9989), (131, 10016), (137, 10043), (157, 10115), (160, 10127), (164, 10145), (167, 10151), (178, 10214), (190, 10259), (200, 10301), (205, 10331), (222, 10502), (223, 10523), (224, 10529), (231, 10601), (236, 10664), (241, 10742), (244, 10748), (266, 10799), (271, 10838), (275, 10859), (276, 10865), (280, 10889), (288, 10940), (289, 10943), (292, 10973), (300, 11030), (302, 11042), (303, 11057), (307, 11084), (314, 11126), (323, 11171), (324, 11174), (329, 11204), (333, 11267), (334, 11273), (335, 11276), (338, 11288), (348, 11384), (350, 11426), (357, 11495), (364, 11573), (370, 11627), (377, 11672), (378, 11675), (379, 11702), (386, 11768), (389, 11783), (391, 11804), (394, 11843), (404, 11897), (410, 11924), (415, 11936), (427, 11984),

Gene: LittleDigger_9 Start: 7533, Stop: 10040, Start Num: 30

Candidate Starts for LittleDigger_9:

(Start: 30 @7533 has 463 MA's), (39, 7575), (44, 7608), (57, 7656), (63, 7698), (76, 7761), (81, 7776), (85, 7785), (89, 7794), (94, 7812), (95, 7821), (101, 7833), (106, 7848), (143, 7950), (145, 7959), (152, 7992), (155, 8013), (157, 8022), (159, 8031), (160, 8034), (164, 8058), (165, 8067), (167, 8073), (171, 8097), (174, 8115), (176, 8121), (178, 8130), (186, 8166), (192, 8199), (202, 8247), (203, 8250), (211, 8289), (219, 8388), (243, 8664), (271, 8805), (276, 8832), (279, 8853), (280, 8856), (287, 8901), (290, 8925), (302, 9009), (317, 9099), (320, 9117), (328, 9159), (330, 9189), (335, 9234), (340, 9267), (341,

9282), (346, 9324), (348, 9345), (351, 9402), (352, 9405), (355, 9435), (357, 9456), (361, 9486), (363, 9501), (364, 9528), (367, 9540), (371, 9585), (372, 9591), (377, 9627), (380, 9663), (386, 9723), (389, 9738), (391, 9759), (395, 9801), (410, 9882), (415, 9894), (434, 9975), (436, 9996),

Gene: LittleMinkey_15 Start: 7686, Stop: 10211, Start Num: 30

Candidate Starts for LittleMinkey_15:

(Start: 30 @7686 has 463 MA's), (57, 7809), (65, 7848), (71, 7869), (81, 7905), (95, 7950), (109, 7992), (127, 8022), (152, 8121), (155, 8142), (164, 8187), (178, 8253), (185, 8280), (186, 8289), (202, 8370), (209, 8400), (217, 8481), (218, 8499), (224, 8580), (228, 8613), (231, 8652), (243, 8796), (256, 8865), (265, 8922), (269, 8949), (271, 8976), (279, 9024), (280, 9027), (287, 9072), (288, 9078), (309, 9228), (317, 9267), (328, 9327), (329, 9330), (330, 9357), (334, 9399), (335, 9402), (346, 9492), (367, 9705), (368, 9711), (375, 9783), (391, 9924), (395, 9966), (410, 10047), (415, 10059),

Gene: LittleMunchkin_10 Start: 8423, Stop: 10822, Start Num: 30

Candidate Starts for LittleMunchkin_10:

(20, 8216), (Start: 30 @8423 has 463 MA's), (Start: 35 @8441 has 1 MA's), (41, 8471), (47, 8510), (Start: 49 @8516 has 2 MA's), (53, 8528), (72, 8609), (77, 8630), (89, 8660), (91, 8666), (94, 8678), (125, 8744), (126, 8747), (140, 8804), (160, 8897), (161, 8909), (185, 8960), (186, 8969), (190, 8993), (192, 9002), (200, 9035), (202, 9050), (211, 9095), (242, 9470), (266, 9563), (267, 9566), (268, 9572), (271, 9602), (277, 9638), (280, 9653), (284, 9674), (288, 9704), (318, 9902), (341, 10079), (347, 10121), (353, 10202), (359, 10271), (361, 10280), (368, 10340), (374, 10406), (389, 10532), (391, 10553), (396, 10604), (410, 10673), (425, 10733), (442, 10811),

Gene: LizLemon_13 Start: 9734, Stop: 12181, Start Num: 30

Candidate Starts for LizLemon_13:

(Start: 30 @9734 has 463 MA's), (41, 9788), (54, 9848), (76, 9941), (78, 9947), (84, 9962), (91, 9983), (96, 10013), (116, 10094), (117, 10097), (120, 10106), (131, 10133), (137, 10160), (157, 10232), (160, 10244), (164, 10262), (167, 10268), (178, 10331), (190, 10376), (200, 10418), (205, 10448), (222, 10619), (223, 10640), (224, 10646), (231, 10718), (236, 10781), (241, 10859), (244, 10865), (266, 10916), (271, 10955), (276, 10982), (280, 11006), (288, 11057), (289, 11060), (292, 11090), (300, 11147), (302, 11159), (303, 11174), (307, 11201), (314, 11243), (323, 11288), (324, 11291), (329, 11321), (333, 11384), (334, 11390), (335, 11393), (338, 11405), (348, 11501), (350, 11543), (357, 11612), (358, 11618), (364, 11690), (377, 11789), (378, 11792), (379, 11819), (386, 11885), (389, 11900), (391, 11921), (394, 11960), (404, 12014), (410, 12041), (415, 12053), (427, 12101),

Gene: Lolalove_10 Start: 8634, Stop: 11141, Start Num: 30

Candidate Starts for Lolalove_10:

(Start: 30 @8634 has 463 MA's), (39, 8676), (44, 8709), (63, 8799), (76, 8862), (81, 8877), (85, 8886), (89, 8895), (94, 8913), (95, 8922), (101, 8934), (122, 8985), (124, 8988), (143, 9051), (145, 9060), (152, 9093), (155, 9114), (156, 9117), (157, 9123), (159, 9132), (160, 9135), (164, 9159), (169, 9183), (171, 9198), (174, 9216), (176, 9222), (186, 9267), (192, 9300), (202, 9348), (203, 9351), (211, 9390), (243, 9765), (271, 9906), (276, 9933), (279, 9954), (280, 9957), (287, 10002), (290, 10026), (302, 10110), (317, 10200), (320, 10218), (328, 10260), (330, 10290), (335, 10335), (340, 10368), (341, 10383), (346, 10425), (348, 10446), (351, 10503), (352, 10506), (355, 10536), (357, 10557), (361, 10587), (363, 10602), (364, 10629), (371, 10686), (372, 10692), (377, 10728), (380, 10764), (386, 10824), (391, 10860), (394, 10899), (395, 10902), (410, 10983), (415, 10995), (426, 11046), (434, 11076), (436, 11097),

Gene: Longacauda_9 Start: 6359, Stop: 8932, Start Num: 30

Candidate Starts for Longacauda_9:

(22, 6230), (Start: 30 @6359 has 463 MA's), (40, 6410), (42, 6422), (45, 6437), (Start: 50 @6461 has 1 MA's), (65, 6521), (71, 6542), (94, 6614), (101, 6644), (113, 6722), (Start: 114 @6737 has 1 MA's), (122, 6773), (128, 6788), (133, 6809), (158, 6929), (159, 6935), (160, 6938), (167, 6977), (179, 7049),

(185, 7073), (186, 7082), (189, 7103), (200, 7148), (202, 7163), (209, 7199), (211, 7211), (215, 7226), (231, 7451), (238, 7550), (243, 7595), (271, 7673), (276, 7700), (280, 7724), (292, 7808), (302, 7877), (313, 7955), (320, 7982), (321, 7985), (328, 8024), (329, 8027), (334, 8096), (335, 8099), (340, 8132), (346, 8189), (350, 8252), (352, 8270), (357, 8321), (361, 8351), (368, 8411), (371, 8450), (375, 8483), (377, 8492), (380, 8528), (395, 8666), (402, 8732),

Gene: Lopsy_9 Start: 6360, Stop: 8930, Start Num: 30

Candidate Starts for Lopsy_9:

(22, 6231), (Start: 30 @6360 has 463 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: LostAndPhound_9 Start: 6360, Stop: 8933, Start Num: 30

Candidate Starts for LostAndPhound_9:

(22, 6231), (Start: 30 @6360 has 463 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (313, 7956), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: LuckyMarjie_9 Start: 6360, Stop: 8933, Start Num: 30

Candidate Starts for LuckyMarjie_9:

(22, 6231), (Start: 30 @6360 has 463 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (89, 6597), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Lulumae_9 Start: 6361, Stop: 8934, Start Num: 30

Candidate Starts for Lulumae_9:

(22, 6232), (Start: 30 @6361 has 463 MA's), (40, 6412), (42, 6424), (45, 6439), (Start: 50 @6463 has 1 MA's), (65, 6523), (71, 6544), (94, 6616), (101, 6646), (113, 6724), (Start: 114 @6739 has 1 MA's), (122, 6775), (128, 6790), (133, 6811), (158, 6931), (159, 6937), (160, 6940), (179, 7051), (185, 7075), (186, 7084), (189, 7105), (200, 7150), (202, 7165), (211, 7213), (215, 7228), (231, 7453), (238, 7552), (243, 7597), (271, 7675), (276, 7702), (280, 7726), (292, 7810), (302, 7879), (320, 7984), (321, 7987), (328, 8026), (329, 8029), (334, 8098), (335, 8101), (340, 8134), (346, 8191), (350, 8254), (352, 8272), (357, 8323), (361, 8353), (368, 8413), (371, 8452), (375, 8485), (377, 8494), (380, 8530), (388, 8599), (395, 8668), (402, 8734),

Gene: Lulwa_9 Start: 6360, Stop: 8933, Start Num: 30

Candidate Starts for Lulwa_9:

(22, 6231), (Start: 30 @6360 has 463 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (89, 6597), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Lumine_9 Start: 6360, Stop: 8921, Start Num: 30

Candidate Starts for Lumine_9:

(22, 6231), (Start: 30 @6360 has 463 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: MRabcd_9 Start: 6357, Stop: 8930, Start Num: 30

Candidate Starts for MRabcd_9:

(22, 6228), (Start: 30 @6357 has 463 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (167, 6975), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (388, 8595), (395, 8664), (402, 8730),

Gene: Mag7_9 Start: 6357, Stop: 8939, Start Num: 30

Candidate Starts for Mag7_9:

(Start: 30 @6357 has 463 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (209, 7197), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (313, 7953), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (394, 8661), (395, 8664), (402, 8730),

Gene: Magic8_9 Start: 6357, Stop: 8930, Start Num: 30

Candidate Starts for Magic8_9:

(22, 6228), (Start: 30 @6357 has 463 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (209, 7197), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (313, 7953), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (394, 8661), (395, 8664), (402, 8730),

Gene: Magpie_10 Start: 8792, Stop: 11299, Start Num: 30

Candidate Starts for Magpie_10:

(Start: 30 @8792 has 463 MA's), (39, 8834), (63, 8957), (76, 9020), (81, 9035), (85, 9044), (89, 9053), (94, 9071), (95, 9080), (101, 9092), (122, 9143), (124, 9146), (143, 9209), (145, 9218), (152, 9251), (155, 9272), (156, 9275), (157, 9281), (159, 9290), (160, 9293), (164, 9317), (169, 9341), (171, 9356), (174, 9374), (176, 9380), (186, 9425), (192, 9458), (202, 9506), (203, 9509), (211, 9548), (243, 9923), (271, 10064), (276, 10091), (279, 10112), (280, 10115), (287, 10160), (302, 10268), (317, 10358), (320, 10376), (328, 10418), (330, 10448), (335, 10493), (340, 10526), (341, 10541), (345, 10574), (346, 10583), (348, 10604), (351, 10661), (352, 10664), (355, 10694), (357, 10715), (361, 10745), (363, 10760), (364, 10787), (371, 10844), (372, 10850), (377, 10886), (380, 10922), (386, 10982), (389, 10997), (395, 11060), (410, 11141), (415, 11153), (434, 11234), (436, 11255),

Gene: Makar_43 Start: 20131, Stop: 22914, Start Num: 30

Candidate Starts for Makar_43:

(Start: 30 @20131 has 463 MA's), (77, 20323), (79, 20329), (82, 20335), (84, 20338), (93, 20359), (124, 20434), (128, 20446), (140, 20479), (154, 20539), (160, 20563), (162, 20575), (164, 20587), (187, 20656), (190, 20677), (197, 20707), (210, 20779), (211, 20788), (225, 20959), (235, 21085), (245, 21160), (274, 21235), (280, 21271), (296, 21394), (298, 21406), (299, 21409), (302, 21430), (315, 21517), (320, 21574), (322, 21580), (326, 21601), (327, 21604), (332, 21667), (339, 21724), (369, 22108), (375, 22147), (376, 22150), (377, 22156), (383, 22237), (385, 22255), (394, 22345), (397, 22363), (401, 22414), (403, 22420), (413, 22459), (446, 22696), (447, 22792), (448, 22813), (449, 22846), (450, 22879), (451, 22891), (452, 22897),

Gene: MakoManhole_11 Start: 8617, Stop: 11028, Start Num: 30

Candidate Starts for MakoManhole_11:

(Start: 30 @8617 has 463 MA's), (41, 8665), (73, 8812), (129, 8959), (137, 8992), (138, 8998), (143, 9019), (160, 9103), (166, 9136), (182, 9151), (202, 9253), (224, 9466), (243, 9673), (253, 9700), (266, 9772), (267, 9775), (268, 9781), (271, 9811), (277, 9847), (280, 9862), (284, 9883), (287, 9907), (288, 9913), (292, 9946), (295, 9967), (318, 10111), (320, 10123), (348, 10351), (350, 10393), (357, 10462), (363, 10507), (371, 10591), (377, 10633), (381, 10675), (410, 10879), (423, 10933),

Gene: Mana_9 Start: 6360, Stop: 8933, Start Num: 30

Candidate Starts for Mana_9:

(22, 6231), (Start: 30 @6360 has 463 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Manad_9 Start: 6361, Stop: 8931, Start Num: 30

Candidate Starts for Manad_9:

(22, 6232), (Start: 30 @6361 has 463 MA's), (40, 6412), (42, 6424), (45, 6439), (Start: 50 @6463 has 1 MA's), (65, 6523), (71, 6544), (94, 6616), (101, 6646), (113, 6724), (Start: 114 @6739 has 1 MA's), (122, 6775), (128, 6790), (133, 6811), (158, 6931), (159, 6937), (160, 6940), (167, 6979), (179, 7051), (185, 7075), (186, 7084), (189, 7105), (200, 7150), (202, 7165), (211, 7213), (215, 7228), (231, 7453), (238, 7552), (243, 7597), (271, 7675), (276, 7702), (280, 7726), (292, 7810), (302, 7879), (320, 7984), (321, 7987), (328, 8026), (329, 8029), (334, 8098), (335, 8101), (340, 8134), (346, 8191), (350, 8254), (352, 8272), (357, 8323), (361, 8353), (368, 8413), (371, 8452), (375, 8485), (377, 8494), (380, 8530), (388, 8599), (395, 8668), (402, 8734),

Gene: Mao1_7 Start: 6054, Stop: 8549, Start Num: 3

Candidate Starts for Mao1_7:

(Start: 2 @6051 has 1 MA's), (Start: 3 @6054 has 3 MA's), (4, 6081), (6, 6168), (8, 6192), (10, 6249), (11, 6291), (12, 6330), (13, 6342), (15, 6387), (16, 6399), (17, 6411), (19, 6432), (23, 6552), (24, 6585), (33, 6684), (34, 6687), (38, 6708), (42, 6732), (51, 6774), (63, 6807), (67, 6837), (221, 6945), (228, 7038), (231, 7077), (236, 7143), (238, 7179), (243, 7224), (261, 7248), (268, 7302), (271, 7332), (275, 7353), (276, 7359), (283, 7398), (294, 7485), (300, 7524), (306, 7575), (318, 7629), (322, 7641), (335, 7752), (340, 7785), (364, 8049), (371, 8106), (374, 8133), (375, 8139), (380, 8184), (382, 8202), (387, 8250), (393, 8313), (394, 8319), (395, 8322), (399, 8355), (404, 8373), (410, 8400), (421, 8442), (427, 8466), (443, 8544),

Gene: Mariokart_9 Start: 7141, Stop: 9585, Start Num: 30

Candidate Starts for Mariokart_9:

(Start: 30 @7141 has 463 MA's), (Start: 31 @7144 has 1 MA's), (Start: 35 @7159 has 1 MA's), (46, 7225), (47, 7228), (53, 7246), (72, 7327), (89, 7378), (91, 7384), (120, 7453), (140, 7525), (141, 7528), (152, 7576), (155, 7597), (161, 7630), (185, 7681), (190, 7714), (198, 7744), (200, 7756), (202, 7771), (234, 8092), (243, 8230), (262, 8305), (266, 8329), (267, 8332), (268, 8338), (271, 8368), (275, 8389), (277, 8404), (280, 8419), (284, 8440), (291, 8500), (295, 8524), (303, 8587), (313, 8653), (318, 8668), (320, 8680), (333, 8788), (335, 8797), (341, 8845), (347, 8887), (352, 8965), (353, 8968), (363, 9061), (366, 9103), (380, 9226), (389, 9301), (391, 9322), (392, 9343), (396, 9373), (404, 9409), (406, 9424), (425, 9496),

Gene: Marley1013_12 Start: 8998, Stop: 11445, Start Num: 30

Candidate Starts for Marley1013_12:

(Start: 30 @8998 has 463 MA's), (Start: 49 @9097 has 2 MA's), (Start: 50 @9100 has 1 MA's), (62, 9145), (65, 9169), (66, 9172), (77, 9217), (92, 9256), (105, 9307), (118, 9337), (132, 9367), (140, 9394), (142, 9400), (155, 9466), (183, 9550), (185, 9556), (186, 9565), (187, 9568), (190, 9589), (202, 9646), (220, 9802), (223, 9862), (243, 10084), (271, 10180), (280, 10231), (288, 10282), (310, 10444), (320, 10501), (321, 10504), (323, 10513), (334, 10615), (346, 10708), (352, 10789), (380, 11047), (386, 11107), (389, 11122), (393, 11176), (405, 11260), (407, 11272), (425, 11341),

Gene: Marlia_12 Start: 8200, Stop: 10647, Start Num: 30

Candidate Starts for Marlia_12:

(Start: 30 @8200 has 463 MA's), (Start: 49 @8299 has 2 MA's), (Start: 50 @8302 has 1 MA's), (62, 8347), (65, 8371), (66, 8374), (73, 8404), (77, 8419), (92, 8458), (105, 8509), (118, 8539), (132, 8569), (140, 8596), (143, 8605), (155, 8668), (183, 8752), (185, 8758), (186, 8767), (187, 8770), (190, 8791), (202, 8848), (220, 9004), (223, 9064), (226, 9091), (243, 9286), (271, 9382), (280, 9433), (288, 9484), (310, 9646), (320, 9703), (321, 9706), (323, 9715), (334, 9817), (346, 9910), (352, 9991), (380, 10249), (386, 10309), (389, 10324), (393, 10378), (405, 10462), (407, 10474), (425, 10543),

Gene: Maru_9 Start: 6358, Stop: 8931, Start Num: 30

Candidate Starts for Maru_9:

(22, 6229), (Start: 30 @6358 has 463 MA's), (40, 6409), (42, 6421), (45, 6436), (Start: 50 @6460 has 1 MA's), (65, 6520), (71, 6541), (89, 6595), (94, 6613), (101, 6643), (113, 6721), (Start: 114 @6736 has 1 MA's), (122, 6772), (128, 6787), (133, 6808), (158, 6928), (159, 6934), (160, 6937), (167, 6976), (179, 7048), (185, 7072), (186, 7081), (189, 7102), (200, 7147), (202, 7162), (211, 7210), (215, 7225), (231, 7450), (238, 7549), (243, 7594), (271, 7672), (276, 7699), (280, 7723), (292, 7807), (302, 7876), (313, 7954), (320, 7981), (321, 7984), (328, 8023), (329, 8026), (334, 8095), (335, 8098), (340, 8131), (346, 8188), (350, 8251), (352, 8269), (357, 8320), (361, 8350), (368, 8410), (371, 8449), (375, 8482), (377, 8491), (380, 8527), (388, 8596), (395, 8665), (402, 8731),

Gene: Mask_8 Start: 6055, Stop: 8550, Start Num: 3

Candidate Starts for Mask_8:

(Start: 2 @6052 has 1 MA's), (Start: 3 @6055 has 3 MA's), (4, 6082), (6, 6169), (8, 6193), (10, 6250), (11, 6292), (12, 6331), (13, 6343), (15, 6388), (16, 6400), (17, 6412), (19, 6433), (23, 6553), (24, 6586), (33, 6685), (34, 6688), (38, 6709), (42, 6733), (51, 6775), (63, 6808), (67, 6838), (221, 6946), (228, 7039), (231, 7078), (236, 7144), (238, 7180), (243, 7225), (261, 7249), (268, 7303), (271, 7333), (275, 7354), (276, 7360), (283, 7399), (294, 7486), (300, 7525), (306, 7576), (318, 7630), (322, 7642), (335, 7753), (340, 7786), (364, 8050), (371, 8107), (374, 8134), (375, 8140), (380, 8185), (382, 8203), (387, 8251), (393, 8314), (394, 8320), (395, 8323), (399, 8356), (404, 8374), (410, 8401), (421, 8443), (427, 8467), (443, 8545),

Gene: Maskar_9 Start: 6357, Stop: 8927, Start Num: 30

Candidate Starts for Maskar_9:

(Start: 30 @6357 has 463 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (209, 7197), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (313, 7953), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (394, 8661), (395, 8664), (402, 8730),

Gene: MasterPo_13 Start: 9617, Stop: 12064, Start Num: 30

Candidate Starts for MasterPo_13:

(Start: 30 @9617 has 463 MA's), (41, 9671), (54, 9731), (76, 9824), (78, 9830), (84, 9845), (91, 9866), (96, 9896), (116, 9977), (117, 9980), (120, 9989), (131, 10016), (137, 10043), (157, 10115), (160, 10127), (164, 10145), (167, 10151), (178, 10214), (190, 10259), (200, 10301), (205, 10331), (222, 10502), (223, 10523), (224, 10529), (231, 10601), (236, 10664), (241, 10742), (244, 10748), (266, 10799), (271, 10838), (275, 10859), (276, 10865), (280, 10889), (288, 10940), (289, 10943), (292, 10973), (300, 11030), (302, 11042), (303, 11057), (307, 11084), (314, 11126), (323, 11171), (324, 11174), (329, 11204), (333, 11267), (334, 11273), (335, 11276), (338, 11288), (348, 11384), (350, 11426), (357, 11495), (364, 11573), (370, 11627), (377, 11672), (378, 11675), (379, 11702), (386, 11768), (389, 11783), (391, 11804), (394, 11843), (404, 11897), (410, 11924), (415, 11936), (427, 11984),

Gene: Matalotodo_9 Start: 6361, Stop: 8934, Start Num: 30

Candidate Starts for Matalotodo_9:

(22, 6232), (Start: 30 @6361 has 463 MA's), (40, 6412), (42, 6424), (45, 6439), (Start: 50 @6463 has 1 MA's), (65, 6523), (71, 6544), (94, 6616), (101, 6646), (113, 6724), (Start: 114 @6739 has 1 MA's), (122, 6775), (128, 6790), (133, 6811), (158, 6931), (159, 6937), (160, 6940), (167, 6979), (179, 7051), (185, 7075), (186, 7084), (189, 7105), (200, 7150), (202, 7165), (211, 7213), (215, 7228), (231, 7453), (238, 7552), (243, 7597), (271, 7675), (276, 7702), (280, 7726), (292, 7810), (302, 7879), (320, 7984), (321, 7987), (328, 8026), (329, 8029), (334, 8098), (335, 8101), (340, 8134), (346, 8191), (350, 8254), (352, 8272), (357, 8323), (361, 8353), (368, 8413), (371, 8452), (375, 8485), (377, 8494), (380, 8530), (395, 8668), (402, 8734),

Gene: Mcshane_9 Start: 6361, Stop: 8934, Start Num: 30

Candidate Starts for Mcshane_9:

(22, 6232), (Start: 30 @6361 has 463 MA's), (40, 6412), (42, 6424), (45, 6439), (Start: 50 @6463 has 1 MA's), (65, 6523), (71, 6544), (89, 6598), (94, 6616), (101, 6646), (113, 6724), (Start: 114 @6739 has 1 MA's), (122, 6775), (128, 6790), (133, 6811), (158, 6931), (159, 6937), (160, 6940), (167, 6979), (179, 7051), (185, 7075), (186, 7084), (189, 7105), (200, 7150), (202, 7165), (211, 7213), (215, 7228), (231, 7453), (238, 7552), (243, 7597), (271, 7675), (276, 7702), (280, 7726), (292, 7810), (302, 7879), (320, 7984), (321, 7987), (328, 8026), (329, 8029), (334, 8098), (335, 8101), (340, 8134), (346, 8191), (350, 8254), (352, 8272), (357, 8323), (361, 8353), (368, 8413), (371, 8452), (375, 8485), (377, 8494), (380,

8530), (388, 8599), (395, 8668), (402, 8734),

Gene: Mecca_9 Start: 6357, Stop: 8930, Start Num: 30

Candidate Starts for Mecca_9:

(22, 6228), (Start: 30 @6357 has 463 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (388, 8595), (395, 8664), (402, 8730),

Gene: Megamind20_10 Start: 6361, Stop: 8934, Start Num: 30

Candidate Starts for Megamind20_10:

(22, 6232), (Start: 30 @6361 has 463 MA's), (40, 6412), (42, 6424), (45, 6439), (Start: 50 @6463 has 1 MA's), (65, 6523), (71, 6544), (89, 6598), (94, 6616), (101, 6646), (113, 6724), (Start: 114 @6739 has 1 MA's), (122, 6775), (128, 6790), (133, 6811), (158, 6931), (159, 6937), (160, 6940), (167, 6979), (179, 7051), (185, 7075), (186, 7084), (189, 7105), (200, 7150), (202, 7165), (211, 7213), (215, 7228), (231, 7453), (238, 7552), (243, 7597), (271, 7675), (276, 7702), (280, 7726), (292, 7810), (302, 7879), (320, 7984), (321, 7987), (328, 8026), (329, 8029), (334, 8098), (335, 8101), (340, 8134), (346, 8191), (350, 8254), (352, 8272), (357, 8323), (361, 8353), (368, 8413), (371, 8452), (375, 8485), (377, 8494), (380, 8530), (388, 8599), (395, 8668), (402, 8734),

Gene: Megatron_9 Start: 6357, Stop: 8930, Start Num: 30

Candidate Starts for Megatron_9:

(22, 6228), (Start: 30 @6357 has 463 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (167, 6975), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (388, 8595), (395, 8664), (402, 8730),

Gene: Melc17_9 Start: 6357, Stop: 8930, Start Num: 30

Candidate Starts for Melc17_9:

(22, 6228), (Start: 30 @6357 has 463 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (209, 7197), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (313, 7953), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (395, 8664), (402, 8730),

Gene: MelsMeow_9 Start: 6357, Stop: 8933, Start Num: 30

Candidate Starts for MelsMeow_9:

(Start: 30 @6357 has 463 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (209, 7197), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (313, 7953), (320, 7980),

(321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (394, 8661), (395, 8664), (402, 8730),

Gene: Mesh1_9 Start: 6360, Stop: 8933, Start Num: 30

Candidate Starts for Mesh1_9:

(22, 6231), (Start: 30 @6360 has 463 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (209, 7200), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (395, 8667), (402, 8733),

Gene: Mesmerelda_9 Start: 6360, Stop: 8933, Start Num: 30

Candidate Starts for Mesmerelda_9:

(22, 6231), (Start: 30 @6360 has 463 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (89, 6597), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: MichaelPhcott_9 Start: 6357, Stop: 8939, Start Num: 30

Candidate Starts for MichaelPhcott_9:

(Start: 30 @6357 has 463 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (209, 7197), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (313, 7953), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (394, 8661), (395, 8664), (402, 8730),

Gene: Mikota_9 Start: 6358, Stop: 8931, Start Num: 30

Candidate Starts for Mikota_9:

(22, 6229), (Start: 30 @6358 has 463 MA's), (40, 6409), (42, 6421), (45, 6436), (Start: 50 @6460 has 1 MA's), (65, 6520), (71, 6541), (94, 6613), (101, 6643), (113, 6721), (Start: 114 @6736 has 1 MA's), (122, 6772), (128, 6787), (133, 6808), (158, 6928), (159, 6934), (160, 6937), (179, 7048), (185, 7072), (186, 7081), (189, 7102), (200, 7147), (202, 7162), (209, 7198), (211, 7210), (215, 7225), (231, 7450), (238, 7549), (243, 7594), (271, 7672), (276, 7699), (280, 7723), (292, 7807), (302, 7876), (320, 7981), (321, 7984), (328, 8023), (329, 8026), (334, 8095), (335, 8098), (340, 8131), (346, 8188), (350, 8251), (352, 8269), (357, 8320), (361, 8350), (368, 8410), (371, 8449), (375, 8482), (377, 8491), (380, 8527), (388, 8596), (395, 8665), (402, 8731),

Gene: MiniBoss_9 Start: 6360, Stop: 8933, Start Num: 30

Candidate Starts for MiniBoss_9:

(22, 6231), (Start: 30 @6360 has 463 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (179, 7050), (185, 7074), (186, 7083),

(189, 7104), (200, 7149), (202, 7164), (209, 7200), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Minnow_8 Start: 7529, Stop: 9547, Start Num: 143

Candidate Starts for Minnow_8:

(Start: 30 @7142 has 463 MA's), (60, 7265), (63, 7280), (76, 7343), (89, 7376), (91, 7382), (107, 7424), (115, 7457), (138, 7508), (139, 7511), (143, 7529), (152, 7571), (155, 7592), (160, 7613), (164, 7637), (178, 7679), (186, 7715), (192, 7748), (200, 7781), (202, 7796), (203, 7799), (209, 7832), (228, 8045), (231, 8084), (243, 8228), (264, 8240), (267, 8261), (271, 8297), (280, 8348), (285, 8378), (294, 8450), (302, 8501), (308, 8546), (318, 8597), (320, 8609), (323, 8621), (329, 8654), (330, 8681), (335, 8726), (340, 8759), (342, 8780), (346, 8825), (351, 8903), (352, 8906), (357, 8957), (368, 9047), (377, 9128), (380, 9164), (391, 9260), (393, 9293), (395, 9302), (408, 9383), (412, 9395), (439, 9515),

Gene: MitKao_9 Start: 6360, Stop: 8933, Start Num: 30

Candidate Starts for MitKao_9:

(22, 6231), (Start: 30 @6360 has 463 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Mithril_10 Start: 8637, Stop: 11144, Start Num: 30

Candidate Starts for Mithril_10:

(Start: 30 @8637 has 463 MA's), (39, 8679), (44, 8712), (63, 8802), (76, 8865), (81, 8880), (85, 8889), (89, 8898), (94, 8916), (95, 8925), (101, 8937), (122, 8988), (124, 8991), (143, 9054), (145, 9063), (152, 9096), (155, 9117), (156, 9120), (157, 9126), (159, 9135), (160, 9138), (164, 9162), (169, 9186), (171, 9201), (174, 9219), (176, 9225), (186, 9270), (192, 9303), (202, 9351), (203, 9354), (211, 9393), (243, 9768), (271, 9909), (276, 9936), (279, 9957), (280, 9960), (287, 10005), (290, 10029), (302, 10113), (317, 10203), (320, 10221), (328, 10263), (330, 10293), (335, 10338), (340, 10371), (341, 10386), (346, 10428), (348, 10449), (351, 10506), (352, 10509), (355, 10539), (357, 10560), (361, 10590), (363, 10605), (364, 10632), (371, 10689), (372, 10695), (377, 10731), (380, 10767), (386, 10827), (391, 10863), (394, 10902), (395, 10905), (410, 10986), (426, 11049), (434, 11079), (436, 11100),

Gene: MmasiCarm_12 Start: 8208, Stop: 10640, Start Num: 30

Candidate Starts for MmasiCarm_12:

(Start: 30 @8208 has 463 MA's), (Start: 49 @8307 has 2 MA's), (Start: 50 @8310 has 1 MA's), (62, 8355), (65, 8379), (66, 8382), (73, 8412), (77, 8427), (92, 8466), (105, 8517), (118, 8547), (132, 8577), (140, 8604), (142, 8610), (155, 8676), (183, 8760), (185, 8766), (186, 8775), (187, 8778), (190, 8799), (202, 8856), (220, 9012), (223, 9072), (243, 9294), (271, 9390), (280, 9441), (288, 9492), (310, 9654), (320, 9711), (321, 9714), (323, 9723), (334, 9825), (346, 9918), (352, 9999), (380, 10257), (386, 10317), (389, 10332), (393, 10386), (405, 10470), (407, 10482), (425, 10551),

Gene: Morgushi_9 Start: 6358, Stop: 8931, Start Num: 30

Candidate Starts for Morgushi_9:

(22, 6229), (Start: 30 @6358 has 463 MA's), (40, 6409), (42, 6421), (45, 6436), (Start: 50 @6460 has 1 MA's), (65, 6520), (71, 6541), (94, 6613), (101, 6643), (113, 6721), (Start: 114 @6736 has 1 MA's),

(122, 6772), (128, 6787), (133, 6808), (158, 6928), (159, 6934), (160, 6937), (179, 7048), (185, 7072), (186, 7081), (189, 7102), (200, 7147), (202, 7162), (209, 7198), (211, 7210), (215, 7225), (231, 7450), (238, 7549), (243, 7594), (271, 7672), (276, 7699), (280, 7723), (292, 7807), (302, 7876), (320, 7981), (321, 7984), (328, 8023), (329, 8026), (334, 8095), (335, 8098), (340, 8131), (346, 8188), (350, 8251), (352, 8269), (357, 8320), (361, 8350), (368, 8410), (371, 8449), (375, 8482), (377, 8491), (380, 8527), (388, 8596), (395, 8665), (402, 8731),

Gene: Mortcellus_11 Start: 8846, Stop: 11278, Start Num: 30

Candidate Starts for Mortcellus_11:

(Start: 30 @8846 has 463 MA's), (Start: 49 @8945 has 2 MA's), (Start: 50 @8948 has 1 MA's), (62, 8993), (65, 9017), (66, 9020), (73, 9050), (77, 9065), (92, 9104), (105, 9155), (118, 9185), (132, 9215), (140, 9242), (142, 9248), (155, 9314), (183, 9398), (185, 9404), (186, 9413), (187, 9416), (190, 9437), (202, 9494), (220, 9650), (223, 9710), (243, 9932), (271, 10028), (280, 10079), (288, 10130), (310, 10292), (320, 10349), (321, 10352), (323, 10361), (334, 10463), (346, 10556), (352, 10637), (380, 10895), (386, 10955), (389, 10970), (393, 11024), (405, 11108), (407, 11120), (425, 11189),

Gene: Morty_9 Start: 6357, Stop: 8930, Start Num: 30

Candidate Starts for Morty_9:

(22, 6228), (Start: 30 @6357 has 463 MA's), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (167, 6975), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (388, 8595), (395, 8664), (402, 8730),

Gene: Morty007_12 Start: 8998, Stop: 11445, Start Num: 30

Candidate Starts for Morty007_12:

(Start: 30 @8998 has 463 MA's), (Start: 49 @9097 has 2 MA's), (Start: 50 @9100 has 1 MA's), (62, 9145), (65, 9169), (66, 9172), (77, 9217), (92, 9256), (105, 9307), (118, 9337), (132, 9367), (140, 9394), (142, 9400), (155, 9466), (183, 9550), (185, 9556), (186, 9565), (187, 9568), (190, 9589), (202, 9646), (220, 9802), (223, 9862), (243, 10084), (271, 10180), (280, 10231), (288, 10282), (310, 10444), (320, 10501), (321, 10504), (323, 10513), (334, 10615), (346, 10708), (352, 10789), (380, 11047), (386, 11107), (389, 11122), (393, 11176), (405, 11260), (407, 11272), (425, 11341),

Gene: Mosaic_9 Start: 6361, Stop: 8934, Start Num: 30

Candidate Starts for Mosaic_9:

(22, 6232), (Start: 30 @6361 has 463 MA's), (40, 6412), (42, 6424), (45, 6439), (Start: 50 @6463 has 1 MA's), (65, 6523), (71, 6544), (94, 6616), (101, 6646), (113, 6724), (Start: 114 @6739 has 1 MA's), (122, 6775), (128, 6790), (133, 6811), (158, 6931), (159, 6937), (160, 6940), (167, 6979), (179, 7051), (185, 7075), (186, 7084), (189, 7105), (200, 7150), (202, 7165), (211, 7213), (215, 7228), (231, 7453), (238, 7552), (243, 7597), (271, 7675), (276, 7702), (280, 7726), (292, 7810), (302, 7879), (320, 7984), (321, 7987), (328, 8026), (329, 8029), (334, 8098), (335, 8101), (340, 8134), (346, 8191), (350, 8254), (352, 8272), (357, 8323), (361, 8353), (368, 8413), (371, 8452), (375, 8485), (377, 8494), (380, 8530), (388, 8599), (395, 8668), (402, 8734),

Gene: MossRose_11 Start: 8617, Stop: 11028, Start Num: 30

Candidate Starts for MossRose_11:

(Start: 30 @8617 has 463 MA's), (41, 8665), (73, 8812), (129, 8959), (137, 8992), (138, 8998), (143, 9019), (160, 9103), (166, 9136), (182, 9151), (202, 9253), (224, 9466), (243, 9673), (253, 9700), (266, 9772), (267, 9775), (268, 9781), (271, 9811), (277, 9847), (280, 9862), (284, 9883), (287, 9907), (288, 9913), (292, 9946), (295, 9967), (318, 10111), (320, 10123), (348, 10351), (357, 10462), (363, 10507),

(371, 10591), (377, 10633), (381, 10675), (410, 10879), (423, 10933),

Gene: MrPhizzler_9 Start: 6356, Stop: 8929, Start Num: 30

Candidate Starts for MrPhizzler_9:

(22, 6227), (Start: 30 @6356 has 463 MA's), (40, 6407), (42, 6419), (45, 6434), (Start: 50 @6458 has 1 MA's), (65, 6518), (71, 6539), (94, 6611), (101, 6641), (113, 6719), (Start: 114 @6734 has 1 MA's), (122, 6770), (128, 6785), (133, 6806), (158, 6926), (159, 6932), (160, 6935), (167, 6974), (179, 7046), (185, 7070), (186, 7079), (189, 7100), (200, 7145), (202, 7160), (209, 7196), (211, 7208), (215, 7223), (231, 7448), (238, 7547), (243, 7592), (271, 7670), (276, 7697), (280, 7721), (292, 7805), (302, 7874), (313, 7952), (320, 7979), (321, 7982), (328, 8021), (329, 8024), (334, 8093), (335, 8096), (340, 8129), (346, 8186), (350, 8249), (352, 8267), (357, 8318), (361, 8348), (368, 8408), (371, 8447), (375, 8480), (377, 8489), (380, 8525), (395, 8663), (402, 8729),

Gene: Mudslide_10 Start: 8885, Stop: 11392, Start Num: 30

Candidate Starts for Mudslide_10:

(Start: 30 @8885 has 463 MA's), (39, 8927), (44, 8960), (63, 9050), (76, 9113), (81, 9128), (85, 9137), (89, 9146), (94, 9164), (95, 9173), (101, 9185), (122, 9236), (124, 9239), (143, 9302), (145, 9311), (152, 9344), (155, 9365), (156, 9368), (157, 9374), (159, 9383), (160, 9386), (164, 9410), (169, 9434), (171, 9449), (174, 9467), (176, 9473), (186, 9518), (192, 9551), (202, 9599), (203, 9602), (211, 9641), (243, 10016), (271, 10157), (276, 10184), (279, 10205), (280, 10208), (287, 10253), (290, 10277), (302, 10361), (317, 10451), (320, 10469), (328, 10511), (330, 10541), (335, 10586), (340, 10619), (341, 10634), (346, 10676), (348, 10697), (351, 10754), (352, 10757), (355, 10787), (357, 10808), (361, 10838), (363, 10853), (364, 10880), (371, 10937), (372, 10943), (377, 10979), (380, 11015), (386, 11075), (391, 11111), (394, 11150), (395, 11153), (410, 11234), (415, 11246), (426, 11297), (434, 11327), (436, 11348),

Gene: Mulan_9 Start: 6360, Stop: 8933, Start Num: 30

Candidate Starts for Mulan_9:

(22, 6231), (Start: 30 @6360 has 463 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Mulaychimus_12 Start: 8209, Stop: 10641, Start Num: 30

Candidate Starts for Mulaychimus_12:

(Start: 30 @8209 has 463 MA's), (Start: 49 @8308 has 2 MA's), (Start: 50 @8311 has 1 MA's), (62, 8356), (65, 8380), (66, 8383), (73, 8413), (77, 8428), (92, 8467), (105, 8518), (118, 8548), (132, 8578), (140, 8605), (142, 8611), (155, 8677), (183, 8761), (185, 8767), (186, 8776), (187, 8779), (190, 8800), (202, 8857), (220, 9013), (223, 9073), (226, 9100), (243, 9295), (271, 9391), (280, 9442), (288, 9493), (310, 9655), (320, 9712), (321, 9715), (323, 9724), (334, 9826), (346, 9919), (352, 10000), (380, 10258), (386, 10318), (389, 10333), (393, 10387), (405, 10471), (407, 10483), (425, 10552),

Gene: Murdoc_9 Start: 6360, Stop: 8933, Start Num: 30

Candidate Starts for Murdoc_9:

(22, 6231), (Start: 30 @6360 has 463 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (89, 6597), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (313,

7956), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (395, 8667), (402, 8733),

Gene: Mutante_9 Start: 6357, Stop: 8930, Start Num: 30

Candidate Starts for Mutante_9:

(22, 6228), (Start: 30 @6357 has 463 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (89, 6594), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (388, 8595), (395, 8664), (402, 8730),

Gene: Mysterious_11 Start: 8833, Stop: 11310, Start Num: 30

Candidate Starts for Mysterious_11:

(Start: 29 @8830 has 2 MA's), (Start: 30 @8833 has 463 MA's), (45, 8911), (46, 8923), (47, 8926), (75, 9031), (112, 9145), (129, 9172), (143, 9223), (160, 9307), (161, 9319), (164, 9331), (168, 9340), (185, 9397), (186, 9406), (200, 9472), (202, 9487), (203, 9490), (205, 9505), (211, 9535), (217, 9604), (226, 9724), (243, 9907), (266, 10036), (270, 10054), (271, 10075), (280, 10126), (281, 10132), (292, 10219), (317, 10378), (320, 10396), (329, 10441), (334, 10510), (341, 10561), (345, 10594), (346, 10603), (352, 10684), (364, 10807), (371, 10864), (372, 10870), (373, 10885), (379, 10936), (380, 10942), (386, 11002), (392, 11059), (410, 11158),

Gene: NHagos_9 Start: 7095, Stop: 9512, Start Num: 30

Candidate Starts for NHagos_9:

(Start: 30 @7095 has 463 MA's), (36, 7125), (53, 7200), (77, 7302), (78, 7305), (84, 7320), (85, 7323), (90, 7341), (119, 7419), (149, 7527), (157, 7569), (166, 7614), (181, 7626), (182, 7632), (183, 7638), (187, 7656), (188, 7659), (195, 7695), (202, 7734), (216, 7842), (243, 8157), (263, 8232), (266, 8256), (267, 8259), (268, 8265), (271, 8295), (277, 8331), (280, 8346), (281, 8352), (284, 8367), (288, 8397), (292, 8430), (295, 8451), (306, 8538), (318, 8595), (320, 8607), (351, 8892), (357, 8946), (368, 9036), (377, 9117), (381, 9159), (410, 9363), (423, 9417), (425, 9423), (442, 9501),

Gene: Nacho_009 Start: 6360, Stop: 8933, Start Num: 30

Candidate Starts for Nacho_009:

(22, 6231), (Start: 30 @6360 has 463 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Nanao_9 Start: 7532, Stop: 10039, Start Num: 30

Candidate Starts for Nanao_9:

(Start: 30 @7532 has 463 MA's), (39, 7574), (44, 7607), (63, 7697), (76, 7760), (81, 7775), (85, 7784), (89, 7793), (94, 7811), (95, 7820), (101, 7832), (106, 7847), (143, 7949), (145, 7958), (152, 7991), (155, 8012), (157, 8021), (159, 8030), (160, 8033), (164, 8057), (165, 8066), (167, 8072), (171, 8096), (174, 8114), (176, 8120), (178, 8129), (186, 8165), (192, 8198), (202, 8246), (203, 8249), (211, 8288), (219, 8387), (243, 8663), (271, 8804), (276, 8831), (279, 8852), (280, 8855), (287, 8900), (290, 8924), (302, 9008), (317, 9098), (320, 9116), (328, 9158), (330, 9188), (335, 9233), (340, 9266), (341, 9281),

(346, 9323), (348, 9344), (351, 9401), (352, 9404), (355, 9434), (357, 9455), (361, 9485), (363, 9500), (364, 9527), (367, 9539), (371, 9584), (372, 9590), (377, 9626), (380, 9662), (386, 9722), (389, 9737), (391, 9758), (395, 9800), (410, 9881), (415, 9893), (434, 9974), (436, 9995),

Gene: Nangang_11 Start: 8567, Stop: 11071, Start Num: 30

Candidate Starts for Nangang_11:

(Start: 29 @8564 has 2 MA's), (Start: 30 @8567 has 463 MA's), (41, 8621), (45, 8645), (53, 8678), (63, 8714), (112, 8888), (124, 8903), (135, 8936), (143, 8966), (164, 9074), (178, 9137), (179, 9140), (185, 9164), (186, 9173), (187, 9176), (190, 9197), (211, 9302), (226, 9491), (243, 9674), (266, 9797), (270, 9815), (271, 9836), (280, 9887), (281, 9893), (292, 9980), (317, 10139), (320, 10157), (329, 10202), (334, 10271), (340, 10307), (341, 10322), (346, 10364), (352, 10445), (364, 10568), (371, 10625), (372, 10631), (380, 10703), (392, 10820), (410, 10919),

Gene: Nathan_9 Start: 6358, Stop: 8931, Start Num: 30

Candidate Starts for Nathan_9:

(22, 6229), (Start: 30 @6358 has 463 MA's), (40, 6409), (42, 6421), (45, 6436), (65, 6520), (71, 6541), (94, 6613), (101, 6643), (113, 6721), (Start: 114 @6736 has 1 MA's), (122, 6772), (128, 6787), (133, 6808), (158, 6928), (159, 6934), (160, 6937), (167, 6976), (179, 7048), (185, 7072), (186, 7081), (189, 7102), (200, 7147), (202, 7162), (209, 7198), (211, 7210), (215, 7225), (231, 7450), (238, 7549), (243, 7594), (271, 7672), (276, 7699), (280, 7723), (292, 7807), (302, 7876), (313, 7954), (320, 7981), (321, 7984), (328, 8023), (329, 8026), (334, 8095), (335, 8098), (340, 8131), (346, 8188), (350, 8251), (352, 8269), (357, 8320), (361, 8350), (368, 8410), (371, 8449), (375, 8482), (377, 8491), (380, 8527), (395, 8665), (402, 8731),

Gene: Nehemiah_10 Start: 8833, Stop: 11310, Start Num: 30

Candidate Starts for Nehemiah_10:

(Start: 29 @8830 has 2 MA's), (Start: 30 @8833 has 463 MA's), (45, 8911), (46, 8923), (47, 8926), (75, 9031), (112, 9145), (129, 9172), (143, 9223), (160, 9307), (161, 9319), (164, 9331), (168, 9340), (185, 9397), (186, 9406), (200, 9472), (202, 9487), (203, 9490), (205, 9505), (211, 9535), (217, 9604), (226, 9724), (243, 9907), (266, 10036), (270, 10054), (271, 10075), (280, 10126), (281, 10132), (292, 10219), (317, 10378), (320, 10396), (329, 10441), (334, 10510), (341, 10561), (345, 10594), (346, 10603), (352, 10684), (364, 10807), (371, 10864), (372, 10870), (373, 10885), (379, 10936), (380, 10942), (386, 11002), (392, 11059), (410, 11158),

Gene: Nehme_9 Start: 6359, Stop: 8932, Start Num: 30

Candidate Starts for Nehme_9:

(Start: 30 @6359 has 463 MA's), (40, 6410), (42, 6422), (45, 6437), (Start: 50 @6461 has 1 MA's), (65, 6521), (71, 6542), (94, 6614), (101, 6644), (113, 6722), (Start: 114 @6737 has 1 MA's), (122, 6773), (128, 6788), (133, 6809), (158, 6929), (159, 6935), (160, 6938), (179, 7049), (185, 7073), (186, 7082), (189, 7103), (200, 7148), (202, 7163), (209, 7199), (211, 7211), (215, 7226), (231, 7451), (238, 7550), (243, 7595), (271, 7673), (276, 7700), (280, 7724), (292, 7808), (302, 7877), (313, 7955), (320, 7982), (321, 7985), (328, 8024), (329, 8027), (334, 8096), (335, 8099), (340, 8132), (346, 8189), (350, 8252), (352, 8270), (357, 8321), (361, 8351), (368, 8411), (371, 8450), (375, 8483), (377, 8492), (380, 8528), (395, 8666), (402, 8732),

Gene: Neos5_12 Start: 8998, Stop: 11430, Start Num: 30

Candidate Starts for Neos5_12:

(Start: 30 @8998 has 463 MA's), (Start: 49 @9097 has 2 MA's), (Start: 50 @9100 has 1 MA's), (62, 9145), (65, 9169), (66, 9172), (77, 9217), (92, 9256), (105, 9307), (118, 9337), (132, 9367), (140, 9394), (142, 9400), (155, 9466), (183, 9550), (185, 9556), (186, 9565), (187, 9568), (190, 9589), (202, 9646), (211, 9700), (220, 9802), (223, 9862), (226, 9889), (243, 10084), (271, 10180), (280, 10231), (288, 10282), (310, 10444), (320, 10501), (321, 10504), (323, 10513), (334, 10615), (346, 10708), (352, 10789), (380, 11047), (386, 11107), (389, 11122), (393, 11176), (405, 11260), (407, 11272),

(425, 11341),

Gene: Newman_9 Start: 6360, Stop: 8933, Start Num: 30

Candidate Starts for Newman_9:

(22, 6231), (Start: 30 @6360 has 463 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: NiaNia_10 Start: 6774, Stop: 8933, Start Num: 122

Candidate Starts for NiaNia_10:

(22, 6231), (Start: 30 @6360 has 463 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Nicole21_9 Start: 6358, Stop: 8931, Start Num: 30

Candidate Starts for Nicole21_9:

(22, 6229), (Start: 30 @6358 has 463 MA's), (40, 6409), (42, 6421), (45, 6436), (Start: 50 @6460 has 1 MA's), (65, 6520), (71, 6541), (94, 6613), (101, 6643), (113, 6721), (Start: 114 @6736 has 1 MA's), (122, 6772), (128, 6787), (133, 6808), (158, 6928), (159, 6934), (160, 6937), (167, 6976), (179, 7048), (185, 7072), (186, 7081), (189, 7102), (200, 7147), (202, 7162), (211, 7210), (215, 7225), (231, 7450), (238, 7549), (243, 7594), (271, 7672), (276, 7699), (280, 7723), (292, 7807), (302, 7876), (320, 7981), (321, 7984), (328, 8023), (329, 8026), (334, 8095), (335, 8098), (340, 8131), (346, 8188), (350, 8251), (352, 8269), (357, 8320), (361, 8350), (368, 8410), (371, 8449), (375, 8482), (377, 8491), (380, 8527), (388, 8596), (395, 8665), (402, 8731),

Gene: Nigel_8 Start: 7444, Stop: 9942, Start Num: 30

Candidate Starts for Nigel_8:

(Start: 28 @7438 has 1 MA's), (Start: 30 @7444 has 463 MA's), (39, 7486), (44, 7519), (63, 7609), (76, 7672), (81, 7687), (85, 7696), (89, 7705), (94, 7723), (95, 7732), (101, 7744), (106, 7759), (143, 7861), (145, 7870), (152, 7903), (155, 7924), (157, 7933), (159, 7942), (160, 7945), (164, 7969), (165, 7978), (171, 8008), (174, 8026), (176, 8032), (178, 8041), (186, 8077), (192, 8110), (202, 8158), (203, 8161), (209, 8188), (211, 8200), (222, 8341), (231, 8440), (243, 8575), (265, 8653), (271, 8707), (276, 8734), (279, 8755), (280, 8758), (287, 8803), (290, 8827), (317, 9001), (320, 9019), (328, 9061), (329, 9064), (330, 9091), (335, 9136), (340, 9169), (346, 9226), (351, 9304), (352, 9307), (355, 9337), (361, 9388), (363, 9403), (364, 9430), (367, 9442), (371, 9487), (372, 9493), (377, 9529), (380, 9565), (386, 9625), (389, 9640), (391, 9661), (395, 9703), (396, 9712), (404, 9757), (410, 9784), (415, 9796), (424, 9841), (426, 9847), (434, 9877), (436, 9898),

Gene: Nova1_9 Start: 6359, Stop: 8941, Start Num: 30

Candidate Starts for Nova1_9:

(22, 6230), (Start: 30 @6359 has 463 MA's), (40, 6410), (42, 6422), (45, 6437), (Start: 50 @6461 has 1 MA's), (65, 6521), (71, 6542), (94, 6614), (101, 6644), (113, 6722), (Start: 114 @6737 has 1 MA's), (122, 6773), (128, 6788), (133, 6809), (158, 6929), (159, 6935), (160, 6938), (167, 6977), (179, 7049),

(185, 7073), (186, 7082), (189, 7103), (200, 7148), (202, 7163), (209, 7199), (211, 7211), (215, 7226), (231, 7451), (238, 7550), (243, 7595), (271, 7673), (276, 7700), (280, 7724), (292, 7808), (302, 7877), (313, 7955), (320, 7982), (321, 7985), (328, 8024), (329, 8027), (334, 8096), (335, 8099), (340, 8132), (346, 8189), (350, 8252), (352, 8270), (357, 8321), (361, 8351), (368, 8411), (371, 8450), (375, 8483), (377, 8492), (380, 8528), (395, 8666), (402, 8732),

Gene: Nozo_12 Start: 8973, Stop: 11405, Start Num: 30

Candidate Starts for Nozo_12:

(Start: 30 @8973 has 463 MA's), (Start: 49 @9072 has 2 MA's), (Start: 50 @9075 has 1 MA's), (62, 9120), (65, 9144), (66, 9147), (77, 9192), (92, 9231), (105, 9282), (118, 9312), (132, 9342), (140, 9369), (142, 9375), (155, 9441), (183, 9525), (185, 9531), (186, 9540), (187, 9543), (190, 9564), (202, 9621), (220, 9777), (223, 9837), (243, 10059), (271, 10155), (280, 10206), (288, 10257), (310, 10419), (320, 10476), (321, 10479), (323, 10488), (334, 10590), (346, 10683), (352, 10764), (380, 11022), (386, 11082), (389, 11097), (393, 11151), (405, 11235), (407, 11247), (425, 11316),

Gene: Numberten_9 Start: 6360, Stop: 8933, Start Num: 30

Candidate Starts for Numberten_9:

(22, 6231), (Start: 30 @6360 has 463 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (89, 6597), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Nyala_9 Start: 6361, Stop: 8934, Start Num: 30

Candidate Starts for Nyala_9:

(22, 6232), (Start: 30 @6361 has 463 MA's), (40, 6412), (42, 6424), (45, 6439), (Start: 50 @6463 has 1 MA's), (65, 6523), (71, 6544), (89, 6598), (94, 6616), (101, 6646), (113, 6724), (Start: 114 @6739 has 1 MA's), (122, 6775), (128, 6790), (133, 6811), (158, 6931), (159, 6937), (160, 6940), (167, 6979), (179, 7051), (185, 7075), (186, 7084), (189, 7105), (200, 7150), (202, 7165), (211, 7213), (215, 7228), (231, 7453), (238, 7552), (243, 7597), (271, 7675), (276, 7702), (280, 7726), (292, 7810), (302, 7879), (320, 7984), (321, 7987), (328, 8026), (329, 8029), (334, 8098), (335, 8101), (340, 8134), (346, 8191), (350, 8254), (352, 8272), (357, 8323), (361, 8353), (368, 8413), (371, 8452), (375, 8485), (377, 8494), (380, 8530), (388, 8599), (395, 8668), (402, 8734),

Gene: OSmaximus_9 Start: 6358, Stop: 8931, Start Num: 30

Candidate Starts for OSmaximus_9:

(22, 6229), (Start: 30 @6358 has 463 MA's), (40, 6409), (42, 6421), (45, 6436), (Start: 50 @6460 has 1 MA's), (65, 6520), (71, 6541), (94, 6613), (101, 6643), (113, 6721), (Start: 114 @6736 has 1 MA's), (122, 6772), (128, 6787), (133, 6808), (158, 6928), (159, 6934), (160, 6937), (167, 6976), (179, 7048), (185, 7072), (186, 7081), (189, 7102), (200, 7147), (202, 7162), (209, 7198), (211, 7210), (215, 7225), (231, 7450), (238, 7549), (243, 7594), (271, 7672), (276, 7699), (280, 7723), (292, 7807), (302, 7876), (313, 7954), (320, 7981), (321, 7984), (328, 8023), (329, 8026), (334, 8095), (335, 8098), (340, 8131), (346, 8188), (350, 8251), (352, 8269), (357, 8320), (361, 8350), (368, 8410), (371, 8449), (375, 8482), (377, 8491), (380, 8527), (395, 8665), (402, 8731),

Gene: Obutu_12 Start: 8209, Stop: 10656, Start Num: 30

Candidate Starts for Obutu_12:

(Start: 30 @8209 has 463 MA's), (Start: 49 @8308 has 2 MA's), (Start: 50 @8311 has 1 MA's), (62, 8356), (65, 8380), (66, 8383), (73, 8413), (77, 8428), (92, 8467), (105, 8518), (118, 8548), (132, 8578), (140, 8605), (142, 8611), (155, 8677), (185, 8767), (186, 8776), (187, 8779), (190, 8800), (202, 8857),

(211, 8911), (220, 9013), (223, 9073), (226, 9100), (243, 9295), (271, 9391), (280, 9442), (288, 9493), (310, 9655), (320, 9712), (321, 9715), (323, 9724), (334, 9826), (346, 9919), (352, 10000), (380, 10258), (386, 10318), (389, 10333), (393, 10387), (405, 10471), (407, 10483), (425, 10552),

Gene: Olak_9 Start: 6358, Stop: 8931, Start Num: 30

Candidate Starts for Olak_9:

(22, 6229), (Start: 30 @6358 has 463 MA's), (40, 6409), (42, 6421), (45, 6436), (Start: 50 @6460 has 1 MA's), (65, 6520), (71, 6541), (89, 6595), (94, 6613), (101, 6643), (113, 6721), (Start: 114 @6736 has 1 MA's), (122, 6772), (128, 6787), (133, 6808), (158, 6928), (159, 6934), (160, 6937), (167, 6976), (179, 7048), (185, 7072), (186, 7081), (189, 7102), (200, 7147), (202, 7162), (211, 7210), (215, 7225), (231, 7450), (238, 7549), (243, 7594), (271, 7672), (276, 7699), (280, 7723), (292, 7807), (302, 7876), (320, 7981), (321, 7984), (328, 8023), (329, 8026), (334, 8095), (335, 8098), (340, 8131), (346, 8188), (350, 8251), (352, 8269), (357, 8320), (361, 8350), (368, 8410), (371, 8449), (375, 8482), (377, 8491), (380, 8527), (388, 8596), (395, 8665), (402, 8731),

Gene: Oline_9 Start: 6357, Stop: 8939, Start Num: 30

Candidate Starts for Oline_9:

(Start: 30 @6357 has 463 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (209, 7197), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (313, 7953), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (394, 8661), (395, 8664), (402, 8730),

Gene: Olive_9 Start: 6357, Stop: 8930, Start Num: 30

Candidate Starts for Olive_9:

(22, 6228), (Start: 30 @6357 has 463 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (167, 6975), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (388, 8595), (395, 8664), (402, 8730),

Gene: OliverWalter_9 Start: 6356, Stop: 8929, Start Num: 30

Candidate Starts for OliverWalter_9:

(22, 6227), (Start: 30 @6356 has 463 MA's), (40, 6407), (42, 6419), (45, 6434), (Start: 50 @6458 has 1 MA's), (65, 6518), (71, 6539), (89, 6593), (94, 6611), (101, 6641), (113, 6719), (Start: 114 @6734 has 1 MA's), (122, 6770), (128, 6785), (133, 6806), (158, 6926), (159, 6932), (160, 6935), (179, 7046), (185, 7070), (186, 7079), (189, 7100), (200, 7145), (202, 7160), (211, 7208), (215, 7223), (231, 7448), (238, 7547), (243, 7592), (271, 7670), (276, 7697), (280, 7721), (292, 7805), (302, 7874), (320, 7979), (321, 7982), (328, 8021), (329, 8024), (334, 8093), (335, 8096), (340, 8129), (346, 8186), (350, 8249), (352, 8267), (357, 8318), (361, 8348), (368, 8408), (371, 8447), (375, 8480), (377, 8489), (380, 8525), (395, 8663), (402, 8729),

Gene: Olivio_11 Start: 8057, Stop: 10489, Start Num: 30

Candidate Starts for Olivio_11:

(Start: 30 @8057 has 463 MA's), (Start: 49 @8156 has 2 MA's), (Start: 50 @8159 has 1 MA's), (62, 8204), (65, 8228), (73, 8261), (77, 8276), (92, 8315), (105, 8366), (118, 8396), (132, 8426), (140, 8453), (143, 8462), (155, 8525), (183, 8609), (185, 8615), (186, 8624), (187, 8627), (190, 8648), (202,

8705), (220, 8861), (223, 8921), (243, 9143), (271, 9239), (280, 9290), (288, 9341), (310, 9503), (320, 9560), (321, 9563), (323, 9572), (334, 9674), (346, 9767), (352, 9848), (380, 10106), (386, 10166), (389, 10181), (393, 10235), (405, 10319), (407, 10331), (425, 10400),

Gene: Omniscient_9 Start: 6360, Stop: 8933, Start Num: 30

Candidate Starts for Omniscient_9:

(22, 6231), (Start: 30 @6360 has 463 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (89, 6597), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: OneBrain_10 Start: 6737, Stop: 8932, Start Num: 114

Candidate Starts for OneBrain_10:

(22, 6230), (Start: 30 @6359 has 463 MA's), (40, 6410), (42, 6422), (45, 6437), (Start: 50 @6461 has 1 MA's), (65, 6521), (71, 6542), (94, 6614), (101, 6644), (113, 6722), (Start: 114 @6737 has 1 MA's), (122, 6773), (128, 6788), (133, 6809), (158, 6929), (159, 6935), (160, 6938), (167, 6977), (179, 7049), (185, 7073), (186, 7082), (189, 7103), (200, 7148), (202, 7163), (209, 7199), (211, 7211), (215, 7226), (231, 7451), (238, 7550), (243, 7595), (271, 7673), (276, 7700), (280, 7724), (292, 7808), (302, 7877), (313, 7955), (320, 7982), (321, 7985), (328, 8024), (329, 8027), (334, 8096), (335, 8099), (340, 8132), (346, 8189), (350, 8252), (352, 8270), (357, 8321), (361, 8351), (368, 8411), (371, 8450), (375, 8483), (377, 8492), (380, 8528), (395, 8666), (402, 8732),

Gene: Oosterbaan_9 Start: 6361, Stop: 8934, Start Num: 30

Candidate Starts for Oosterbaan_9:

(22, 6232), (Start: 30 @6361 has 463 MA's), (40, 6412), (42, 6424), (45, 6439), (Start: 50 @6463 has 1 MA's), (65, 6523), (71, 6544), (94, 6616), (101, 6646), (113, 6724), (Start: 114 @6739 has 1 MA's), (122, 6775), (128, 6790), (133, 6811), (158, 6931), (159, 6937), (160, 6940), (167, 6979), (179, 7051), (185, 7075), (186, 7084), (189, 7105), (200, 7150), (202, 7165), (211, 7213), (215, 7228), (231, 7453), (238, 7552), (243, 7597), (271, 7675), (276, 7702), (280, 7726), (292, 7810), (302, 7879), (320, 7984), (321, 7987), (328, 8026), (329, 8029), (334, 8098), (335, 8101), (340, 8134), (346, 8191), (350, 8254), (352, 8272), (357, 8323), (361, 8353), (368, 8413), (371, 8452), (375, 8485), (377, 8494), (380, 8530), (388, 8599), (395, 8668), (402, 8734),

Gene: Opia_13 Start: 9617, Stop: 12064, Start Num: 30

Candidate Starts for Opia_13:

(Start: 30 @9617 has 463 MA's), (41, 9671), (54, 9731), (76, 9824), (78, 9830), (84, 9845), (91, 9866), (96, 9896), (116, 9977), (117, 9980), (120, 9989), (131, 10016), (137, 10043), (157, 10115), (160, 10127), (164, 10145), (167, 10151), (178, 10214), (190, 10259), (200, 10301), (205, 10331), (222, 10502), (223, 10523), (224, 10529), (231, 10601), (236, 10664), (241, 10742), (244, 10748), (266, 10799), (271, 10838), (275, 10859), (276, 10865), (280, 10889), (288, 10940), (289, 10943), (292, 10973), (300, 11030), (302, 11042), (303, 11057), (307, 11084), (314, 11126), (323, 11171), (324, 11174), (329, 11204), (333, 11267), (334, 11273), (335, 11276), (338, 11288), (348, 11384), (350, 11426), (357, 11495), (364, 11573), (370, 11627), (377, 11672), (378, 11675), (379, 11702), (386, 11768), (389, 11783), (391, 11804), (394, 11843), (404, 11897), (410, 11924), (415, 11936), (427, 11984),

Gene: OrangeOswald_12 Start: 8208, Stop: 10640, Start Num: 30

Candidate Starts for OrangeOswald_12:

(Start: 30 @8208 has 463 MA's), (Start: 49 @8307 has 2 MA's), (Start: 50 @8310 has 1 MA's), (62, 8355), (65, 8379), (66, 8382), (77, 8427), (92, 8466), (105, 8517), (118, 8547), (132, 8577), (140, 8604), (142, 8610), (155, 8676), (183, 8760), (185, 8766), (186, 8775), (187, 8778), (190, 8799), (202, 8856), (220, 9012), (223, 9072), (243, 9294), (271, 9390), (280, 9441), (288, 9492), (310, 9654), (320, 9711), (321, 9714), (323, 9723), (334, 9825), (346, 9918), (352, 9999), (380, 10257), (386, 10317), (389, 10332), (393, 10386), (405, 10470), (407, 10482), (425, 10551),

Gene: Orfeu_9 Start: 6359, Stop: 8932, Start Num: 30

Candidate Starts for Orfeu_9:

(22, 6230), (Start: 30 @6359 has 463 MA's), (40, 6410), (42, 6422), (45, 6437), (Start: 50 @6461 has 1 MA's), (65, 6521), (71, 6542), (94, 6614), (101, 6644), (113, 6722), (Start: 114 @6737 has 1 MA's), (122, 6773), (128, 6788), (133, 6809), (158, 6929), (159, 6935), (160, 6938), (167, 6977), (179, 7049), (185, 7073), (186, 7082), (189, 7103), (200, 7148), (202, 7163), (209, 7199), (211, 7211), (215, 7226), (231, 7451), (238, 7550), (243, 7595), (271, 7673), (276, 7700), (280, 7724), (292, 7808), (302, 7877), (313, 7955), (320, 7982), (321, 7985), (328, 8024), (329, 8027), (334, 8096), (335, 8099), (340, 8132), (346, 8189), (350, 8252), (352, 8270), (357, 8321), (361, 8351), (368, 8411), (371, 8450), (375, 8483), (377, 8492), (380, 8528), (395, 8666), (402, 8732),

Gene: Orion_9 Start: 6358, Stop: 8931, Start Num: 30

Candidate Starts for Orion_9:

(22, 6229), (Start: 30 @6358 has 463 MA's), (40, 6409), (42, 6421), (45, 6436), (Start: 50 @6460 has 1 MA's), (65, 6520), (71, 6541), (89, 6595), (94, 6613), (101, 6643), (113, 6721), (Start: 114 @6736 has 1 MA's), (122, 6772), (128, 6787), (133, 6808), (158, 6928), (159, 6934), (160, 6937), (167, 6976), (179, 7048), (185, 7072), (186, 7081), (189, 7102), (200, 7147), (202, 7162), (211, 7210), (215, 7225), (231, 7450), (238, 7549), (243, 7594), (271, 7672), (276, 7699), (280, 7723), (292, 7807), (302, 7876), (320, 7981), (321, 7984), (328, 8023), (329, 8026), (334, 8095), (335, 8098), (340, 8131), (346, 8188), (350, 8251), (352, 8269), (357, 8320), (361, 8350), (368, 8410), (371, 8449), (375, 8482), (377, 8491), (380, 8527), (388, 8596), (395, 8665), (402, 8731),

Gene: Orwigg_9 Start: 6361, Stop: 8934, Start Num: 30

Candidate Starts for Orwigg_9:

(22, 6232), (Start: 30 @6361 has 463 MA's), (40, 6412), (42, 6424), (45, 6439), (Start: 50 @6463 has 1 MA's), (65, 6523), (71, 6544), (94, 6616), (101, 6646), (113, 6724), (Start: 114 @6739 has 1 MA's), (122, 6775), (128, 6790), (133, 6811), (158, 6931), (159, 6937), (160, 6940), (167, 6979), (179, 7051), (185, 7075), (186, 7084), (189, 7105), (200, 7150), (202, 7165), (211, 7213), (215, 7228), (231, 7453), (238, 7552), (243, 7597), (271, 7675), (276, 7702), (280, 7726), (292, 7810), (302, 7879), (320, 7984), (321, 7987), (328, 8026), (329, 8029), (334, 8098), (335, 8101), (340, 8134), (346, 8191), (350, 8254), (352, 8272), (357, 8323), (361, 8353), (368, 8413), (371, 8452), (375, 8485), (377, 8494), (380, 8530), (388, 8599), (395, 8668), (402, 8734),

Gene: PG1_9 Start: 6358, Stop: 8931, Start Num: 30

Candidate Starts for PG1_9:

(22, 6229), (Start: 30 @6358 has 463 MA's), (40, 6409), (42, 6421), (45, 6436), (Start: 50 @6460 has 1 MA's), (65, 6520), (71, 6541), (89, 6595), (94, 6613), (101, 6643), (113, 6721), (Start: 114 @6736 has 1 MA's), (122, 6772), (128, 6787), (133, 6808), (158, 6928), (159, 6934), (160, 6937), (167, 6976), (179, 7048), (185, 7072), (186, 7081), (189, 7102), (200, 7147), (202, 7162), (211, 7210), (215, 7225), (231, 7450), (238, 7549), (243, 7594), (271, 7672), (276, 7699), (280, 7723), (292, 7807), (302, 7876), (320, 7981), (321, 7984), (328, 8023), (329, 8026), (334, 8095), (335, 8098), (340, 8131), (346, 8188), (350, 8251), (352, 8269), (357, 8320), (361, 8350), (368, 8410), (371, 8449), (375, 8482), (377, 8491), (380, 8527), (388, 8596), (395, 8665), (402, 8731),

Gene: Pacifista_9 Start: 6357, Stop: 8930, Start Num: 30

Candidate Starts for Pacifista_9:

(22, 6228), (Start: 30 @6357 has 463 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (89, 6594), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (167, 6975), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (388, 8595), (395, 8664), (402, 8730),

Gene: PallasAthena_9 Start: 6361, Stop: 8934, Start Num: 30

Candidate Starts for PallasAthena_9:

(22, 6232), (Start: 30 @6361 has 463 MA's), (40, 6412), (42, 6424), (45, 6439), (Start: 50 @6463 has 1 MA's), (65, 6523), (71, 6544), (94, 6616), (101, 6646), (113, 6724), (Start: 114 @6739 has 1 MA's), (122, 6775), (128, 6790), (133, 6811), (158, 6931), (159, 6937), (160, 6940), (167, 6979), (179, 7051), (185, 7075), (186, 7084), (189, 7105), (200, 7150), (202, 7165), (209, 7201), (211, 7213), (215, 7228), (231, 7453), (238, 7552), (243, 7597), (271, 7675), (276, 7702), (280, 7726), (292, 7810), (302, 7879), (313, 7957), (320, 7984), (321, 7987), (328, 8026), (329, 8029), (334, 8098), (335, 8101), (340, 8134), (346, 8191), (350, 8254), (352, 8272), (357, 8323), (361, 8353), (368, 8413), (371, 8452), (375, 8485), (377, 8494), (380, 8530), (395, 8668), (402, 8734),

Gene: PenguinLover67_13 Start: 9486, Stop: 11948, Start Num: 30

Candidate Starts for PenguinLover67_13:

(22, 9357), (Start: 30 @9486 has 463 MA's), (44, 9561), (46, 9576), (71, 9669), (76, 9690), (80, 9702), (101, 9762), (122, 9804), (140, 9861), (142, 9867), (160, 9954), (164, 9978), (170, 10011), (175, 10026), (179, 10041), (186, 10074), (202, 10155), (211, 10197), (217, 10266), (224, 10365), (243, 10581), (259, 10626), (271, 10719), (278, 10761), (279, 10767), (280, 10770), (288, 10821), (292, 10854), (294, 10872), (303, 10938), (317, 11013), (318, 11019), (330, 11103), (331, 11109), (346, 11238), (351, 11313), (352, 11316), (355, 11346), (357, 11367), (363, 11412), (371, 11496), (377, 11538), (389, 11649), (391, 11670), (393, 11703), (395, 11712), (410, 11787), (436, 11910),

Gene: Phaedrus_11 Start: 8125, Stop: 10557, Start Num: 30

Candidate Starts for Phaedrus_11:

(Start: 30 @8125 has 463 MA's), (Start: 49 @8224 has 2 MA's), (Start: 50 @8227 has 1 MA's), (62, 8272), (65, 8296), (66, 8299), (73, 8329), (77, 8344), (92, 8383), (105, 8434), (118, 8464), (132, 8494), (140, 8521), (142, 8527), (155, 8593), (183, 8677), (185, 8683), (186, 8692), (187, 8695), (190, 8716), (202, 8773), (220, 8929), (223, 8989), (243, 9211), (271, 9307), (280, 9358), (288, 9409), (310, 9571), (320, 9628), (321, 9631), (323, 9640), (334, 9742), (346, 9835), (352, 9916), (380, 10174), (386, 10234), (389, 10249), (393, 10303), (405, 10387), (407, 10399), (425, 10468),

Gene: Phamished_9 Start: 6357, Stop: 8930, Start Num: 30

Candidate Starts for Phamished_9:

(22, 6228), (Start: 30 @6357 has 463 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (167, 6975), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (388, 8595), (395, 8664), (402, 8730),

Gene: Phantasmagoria_13 Start: 9617, Stop: 12064, Start Num: 30

Candidate Starts for Phantasmagoria_13:

(Start: 30 @9617 has 463 MA's), (41, 9671), (54, 9731), (76, 9824), (78, 9830), (84, 9845), (91, 9866), (96, 9896), (116, 9977), (117, 9980), (120, 9989), (131, 10016), (137, 10043), (157, 10115), (160, 10127), (164, 10145), (167, 10151), (178, 10214), (190, 10259), (200, 10301), (205, 10331), (222, 10502), (223, 10523), (224, 10529), (231, 10601), (236, 10664), (241, 10742), (244, 10748), (266, 10799), (271, 10838), (275, 10859), (276, 10865), (280, 10889), (288, 10940), (289, 10943), (292, 10973), (300, 11030), (302, 11042), (303, 11057), (307, 11084), (314, 11126), (323, 11171), (324, 11174), (329, 11204), (333, 11267), (334, 11273), (335, 11276), (338, 11288), (348, 11384), (350, 11426), (357, 11495), (364, 11573), (370, 11627), (377, 11672), (378, 11675), (379, 11702), (386, 11768), (389, 11783), (391, 11804), (394, 11843), (404, 11897), (410, 11924), (415, 11936), (427, 11984),

Gene: Phareon_9 Start: 6360, Stop: 8933, Start Num: 30

Candidate Starts for Phareon_9:

(22, 6231), (Start: 30 @6360 has 463 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (209, 7200), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: PhatCats2014_9 Start: 6361, Stop: 8934, Start Num: 30

Candidate Starts for PhatCats2014_9:

(22, 6232), (Start: 30 @6361 has 463 MA's), (40, 6412), (42, 6424), (45, 6439), (Start: 50 @6463 has 1 MA's), (65, 6523), (71, 6544), (94, 6616), (101, 6646), (113, 6724), (Start: 114 @6739 has 1 MA's), (122, 6775), (128, 6790), (133, 6811), (158, 6931), (159, 6937), (160, 6940), (167, 6979), (179, 7051), (185, 7075), (186, 7084), (189, 7105), (200, 7150), (202, 7165), (211, 7213), (215, 7228), (231, 7453), (238, 7552), (243, 7597), (271, 7675), (276, 7702), (280, 7726), (292, 7810), (302, 7879), (320, 7984), (321, 7987), (328, 8026), (329, 8029), (334, 8098), (335, 8101), (340, 8134), (346, 8191), (350, 8254), (352, 8272), (357, 8323), (361, 8353), (368, 8413), (371, 8452), (375, 8485), (377, 8494), (380, 8530), (388, 8599), (395, 8668), (402, 8734),

Gene: PhatLouie_9 Start: 6360, Stop: 8933, Start Num: 30

Candidate Starts for PhatLouie_9:

(22, 6231), (Start: 30 @6360 has 463 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (209, 7200), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (313, 7956), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Phayeta_12 Start: 8084, Stop: 10516, Start Num: 30

Candidate Starts for Phayeta_12:

(Start: 30 @8084 has 463 MA's), (Start: 49 @8183 has 2 MA's), (Start: 50 @8186 has 1 MA's), (62, 8231), (65, 8255), (66, 8258), (73, 8288), (77, 8303), (92, 8342), (105, 8393), (118, 8423), (132, 8453), (140, 8480), (143, 8489), (155, 8552), (183, 8636), (185, 8642), (186, 8651), (187, 8654), (190, 8675), (202, 8732), (211, 8786), (220, 8888), (223, 8948), (243, 9170), (271, 9266), (280, 9317), (288, 9368), (310, 9530), (320, 9587), (321, 9590), (323, 9599), (334, 9701), (346, 9794), (352, 9875), (380, 10133), (386, 10193), (389, 10208), (393, 10262), (405, 10346), (407, 10358), (425, 10427),

Gene: Phelemich_11 Start: 8836, Stop: 11313, Start Num: 30

Candidate Starts for Phelemich_11:

(Start: 29 @8833 has 2 MA's), (Start: 30 @8836 has 463 MA's), (45, 8914), (46, 8926), (47, 8929), (54, 8950), (75, 9034), (112, 9148), (129, 9175), (143, 9226), (160, 9310), (161, 9322), (164, 9334), (168, 9343), (179, 9376), (185, 9400), (186, 9409), (200, 9475), (202, 9490), (203, 9493), (205, 9508), (211, 9538), (217, 9607), (226, 9727), (243, 9910), (266, 10039), (270, 10057), (271, 10078), (280, 10129), (281, 10135), (292, 10222), (317, 10381), (320, 10399), (329, 10444), (334, 10513), (340, 10549), (341, 10564), (346, 10606), (351, 10684), (352, 10687), (364, 10810), (371, 10867), (372, 10873), (373, 10888), (380, 10945), (386, 11005), (392, 11062), (410, 11161), (431, 11245),

Gene: PhenghisKhan_9 Start: 6357, Stop: 8939, Start Num: 30

Candidate Starts for PhenghisKhan_9:

(Start: 30 @6357 has 463 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (209, 7197), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (313, 7953), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (394, 8661), (395, 8664), (402, 8730),

Gene: Pherdinand_9 Start: 6358, Stop: 8931, Start Num: 30

Candidate Starts for Pherdinand_9:

(22, 6229), (Start: 30 @6358 has 463 MA's), (40, 6409), (42, 6421), (45, 6436), (Start: 50 @6460 has 1 MA's), (65, 6520), (71, 6541), (94, 6613), (101, 6643), (113, 6721), (Start: 114 @6736 has 1 MA's), (122, 6772), (128, 6787), (133, 6808), (158, 6928), (159, 6934), (160, 6937), (179, 7048), (185, 7072), (186, 7081), (189, 7102), (200, 7147), (202, 7162), (211, 7210), (215, 7225), (231, 7450), (238, 7549), (243, 7594), (271, 7672), (276, 7699), (280, 7723), (292, 7807), (302, 7876), (320, 7981), (321, 7984), (328, 8023), (329, 8026), (334, 8095), (335, 8098), (340, 8131), (346, 8188), (350, 8251), (352, 8269), (357, 8320), (361, 8350), (368, 8410), (371, 8449), (375, 8482), (377, 8491), (380, 8527), (388, 8596), (395, 8665), (402, 8731),

Gene: Phergie_9 Start: 6357, Stop: 8933, Start Num: 30

Candidate Starts for Phergie_9:

(Start: 30 @6357 has 463 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (209, 7197), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (313, 7953), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (394, 8661), (395, 8664), (402, 8730),

Gene: Philly_11 Start: 8098, Stop: 10530, Start Num: 30

Candidate Starts for Philly_11:

(Start: 30 @8098 has 463 MA's), (Start: 49 @8197 has 2 MA's), (Start: 50 @8200 has 1 MA's), (62, 8245), (65, 8269), (66, 8272), (77, 8317), (92, 8356), (105, 8407), (118, 8437), (132, 8467), (140, 8494), (142, 8500), (155, 8566), (183, 8650), (185, 8656), (186, 8665), (187, 8668), (190, 8689), (202, 8746), (220, 8902), (223, 8962), (243, 9184), (271, 9280), (280, 9331), (288, 9382), (310, 9544), (320, 9601), (321, 9604), (323, 9613), (334, 9715), (346, 9808), (352, 9889), (380, 10147), (386, 10207), (389, 10222), (393, 10276), (405, 10360), (407, 10372), (425, 10441),

Gene: Phipps_9 Start: 6360, Stop: 8933, Start Num: 30

Candidate Starts for Phipps_9:

(22, 6231), (Start: 30 @6360 has 463 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Phleuron_9 Start: 6357, Stop: 8939, Start Num: 30

Candidate Starts for Phleuron_9:

(Start: 30 @6357 has 463 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (209, 7197), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (313, 7953), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (394, 8661), (395, 8664), (402, 8730),

Gene: Phlyer_12 Start: 8965, Stop: 11397, Start Num: 30

Candidate Starts for Phlyer_12:

(Start: 30 @8965 has 463 MA's), (Start: 49 @9064 has 2 MA's), (Start: 50 @9067 has 1 MA's), (62, 9112), (65, 9136), (66, 9139), (73, 9169), (77, 9184), (92, 9223), (105, 9274), (118, 9304), (132, 9334), (140, 9361), (143, 9370), (155, 9433), (183, 9517), (185, 9523), (186, 9532), (187, 9535), (190, 9556), (202, 9613), (211, 9667), (220, 9769), (223, 9829), (226, 9856), (243, 10051), (271, 10147), (280, 10198), (288, 10249), (310, 10411), (321, 10471), (323, 10480), (334, 10582), (346, 10675), (352, 10756), (380, 11014), (386, 11074), (389, 11089), (393, 11143), (405, 11227), (407, 11239), (425, 11308),

Gene: PhrankReynolds_9 Start: 6357, Stop: 8939, Start Num: 30

Candidate Starts for PhrankReynolds_9:

(Start: 30 @6357 has 463 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (209, 7197), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (313, 7953), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (394, 8661), (395, 8664), (402, 8730),

Gene: PhrodoBaggins_9 Start: 6360, Stop: 8933, Start Num: 30

Candidate Starts for PhrodoBaggins_9:

(22, 6231), (Start: 30 @6360 has 463 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (88, 6594), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Phunky_9 Start: 6360, Stop: 8933, Start Num: 30

Candidate Starts for Phunky_9:

(22, 6231), (Start: 30 @6360 has 463 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Piglet_009 Start: 6360, Stop: 8933, Start Num: 30

Candidate Starts for Piglet_009:

(22, 6231), (Start: 30 @6360 has 463 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (89, 6597), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Pine5_12 Start: 8444, Stop: 10870, Start Num: 29

Candidate Starts for Pine5_12:

(Start: 29 @8444 has 2 MA's), (43, 8516), (56, 8567), (73, 8645), (74, 8648), (102, 8744), (104, 8756), (138, 8852), (153, 8924), (155, 8936), (160, 8957), (161, 8969), (201, 9113), (208, 9155), (218, 9266), (227, 9374), (232, 9419), (235, 9476), (243, 9545), (263, 9572), (274, 9650), (280, 9686), (285, 9716), (294, 9788), (307, 9881), (319, 9953), (320, 9959), (327, 9989), (337, 10088), (352, 10253), (354, 10268), (375, 10460), (379, 10499), (389, 10580), (392, 10628), (411, 10724), (415, 10733), (435, 10829),

Gene: PinheadLarry_9 Start: 6360, Stop: 8933, Start Num: 30

Candidate Starts for PinheadLarry_9:

(22, 6231), (Start: 30 @6360 has 463 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (209, 7200), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (313, 7956), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (395, 8667), (402, 8733),

Gene: Pinkman_9 Start: 6735, Stop: 8939, Start Num: 114

Candidate Starts for Pinkman_9:

(Start: 30 @6357 has 463 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (209, 7197), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (313, 7953), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (394, 8661), (395, 8664), (402, 8730),

Gene: Pipefish_12 Start: 9094, Stop: 11526, Start Num: 30

Candidate Starts for Pipefish_12:

(Start: 30 @9094 has 463 MA's), (Start: 49 @9193 has 2 MA's), (Start: 50 @9196 has 1 MA's), (62, 9241), (65, 9265), (66, 9268), (73, 9298), (77, 9313), (92, 9352), (105, 9403), (118, 9433), (132, 9463), (140, 9490), (142, 9496), (155, 9562), (185, 9652), (186, 9661), (187, 9664), (190, 9685), (202, 9742), (211, 9796), (220, 9898), (223, 9958), (226, 9985), (243, 10180), (271, 10276), (280, 10327), (288, 10378), (310, 10540), (320, 10597), (321, 10600), (323, 10609), (334, 10711), (346, 10804), (352, 10885), (380, 11143), (386, 11203), (389, 11218), (393, 11272), (405, 11356), (407, 11368), (425, 11437),

Gene: Pipsqueak_9 Start: 6360, Stop: 8933, Start Num: 30

Candidate Starts for Pipsqueak_9:

(22, 6231), (Start: 30 @6360 has 463 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (209, 7200), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (313, 7956), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (395, 8667), (402, 8733),

Gene: Placalicious_9 Start: 6360, Stop: 8933, Start Num: 30

Candidate Starts for Placalicious_9:

(22, 6231), (Start: 30 @6360 has 463 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Plata_9 Start: 6359, Stop: 8932, Start Num: 30

Candidate Starts for Plata_9:

(22, 6230), (Start: 30 @6359 has 463 MA's), (40, 6410), (42, 6422), (45, 6437), (Start: 50 @6461 has 1 MA's), (65, 6521), (71, 6542), (94, 6614), (101, 6644), (113, 6722), (Start: 114 @6737 has 1 MA's), (122, 6773), (128, 6788), (133, 6809), (158, 6929), (159, 6935), (160, 6938), (167, 6977), (179, 7049), (185, 7073), (186, 7082), (189, 7103), (200, 7148), (202, 7163), (209, 7199), (211, 7211), (215, 7226), (231, 7451), (238, 7550), (243, 7595), (271, 7673), (276, 7700), (280, 7724), (292, 7808), (302, 7877), (313, 7955), (320, 7982), (321, 7985), (328, 8024), (329, 8027), (334, 8096), (335, 8099), (340, 8132), (346, 8189), (350, 8252), (352, 8270), (357, 8321), (361, 8351), (368, 8411), (371, 8450), (375, 8483), (377, 8492), (380, 8528), (395, 8666), (402, 8732),

Gene: Plmatters_9 Start: 6360, Stop: 8933, Start Num: 30

Candidate Starts for Plmatters_9:

(22, 6231), (Start: 30 @6360 has 463 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Podrick_9 Start: 6360, Stop: 8933, Start Num: 30

Candidate Starts for Podrick_9:

(22, 6231), (Start: 30 @6360 has 463 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (89, 6597), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Pops_9 Start: 6360, Stop: 8933, Start Num: 30

Candidate Starts for Pops_9:

(22, 6231), (Start: 30 @6360 has 463 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Poster_9 Start: 7532, Stop: 10039, Start Num: 30

Candidate Starts for Poster_9:

(Start: 30 @7532 has 463 MA's), (39, 7574), (44, 7607), (63, 7697), (76, 7760), (81, 7775), (85, 7784), (89, 7793), (94, 7811), (95, 7820), (101, 7832), (106, 7847), (143, 7949), (145, 7958), (152, 7991), (155, 8012), (157, 8021), (159, 8030), (160, 8033), (164, 8057), (165, 8066), (167, 8072), (171, 8096), (174, 8114), (176, 8120), (178, 8129), (186, 8165), (192, 8198), (202, 8246), (203, 8249), (211, 8288), (219, 8387), (243, 8663), (271, 8804), (276, 8831), (279, 8852), (280, 8855), (287, 8900), (290, 8924), (302, 9008), (317, 9098), (320, 9116), (328, 9158), (330, 9188), (335, 9233), (340, 9266), (341, 9281), (346, 9323), (348, 9344), (351, 9401), (352, 9404), (355, 9434), (357, 9455), (361, 9485), (363, 9500), (364, 9527), (367, 9539), (371, 9584), (372, 9590), (377, 9626), (380, 9662), (386, 9722), (389, 9737), (391, 9758), (395, 9800), (410, 9881), (415, 9893), (434, 9974), (436, 9995),

Gene: Potter_9 Start: 6361, Stop: 8934, Start Num: 30

Candidate Starts for Potter_9:

(22, 6232), (Start: 30 @6361 has 463 MA's), (40, 6412), (42, 6424), (45, 6439), (Start: 50 @6463 has 1 MA's), (65, 6523), (71, 6544), (94, 6616), (101, 6646), (113, 6724), (Start: 114 @6739 has 1 MA's), (122, 6775), (128, 6790), (133, 6811), (158, 6931), (159, 6937), (160, 6940), (167, 6979), (179, 7051), (185, 7075), (186, 7084), (189, 7105), (200, 7150), (202, 7165), (211, 7213), (215, 7228), (231, 7453), (238, 7552), (243, 7597), (271, 7675), (276, 7702), (280, 7726), (292, 7810), (302, 7879), (320, 7984), (321, 7987), (328, 8026), (329, 8029), (334, 8098), (335, 8101), (340, 8134), (346, 8191), (350, 8254), (352, 8272), (357, 8323), (361, 8353), (368, 8413), (371, 8452), (375, 8485), (377, 8494), (380, 8530), (388, 8599), (395, 8668), (402, 8734),

Gene: Prickles_9 Start: 6366, Stop: 8939, Start Num: 30

Candidate Starts for Prickles_9:

(22, 6237), (Start: 30 @6366 has 463 MA's), (40, 6417), (42, 6429), (45, 6444), (Start: 50 @6468 has 1 MA's), (65, 6528), (71, 6549), (94, 6621), (101, 6651), (113, 6729), (Start: 114 @6744 has 1 MA's), (122, 6780), (128, 6795), (133, 6816), (158, 6936), (159, 6942), (160, 6945), (179, 7056), (185, 7080), (186, 7089), (189, 7110), (200, 7155), (202, 7170), (211, 7218), (215, 7233), (231, 7458), (238, 7557), (243, 7602), (271, 7680), (276, 7707), (280, 7731), (292, 7815), (302, 7884), (320, 7989), (321, 7992),

(328, 8031), (329, 8034), (334, 8103), (335, 8106), (340, 8139), (346, 8196), (350, 8259), (352, 8277), (357, 8328), (361, 8358), (368, 8418), (371, 8457), (375, 8490), (377, 8499), (380, 8535), (388, 8604), (395, 8673), (402, 8739),

Gene: Prince_10 Start: 8797, Stop: 11304, Start Num: 30

Candidate Starts for Prince_10:

(Start: 30 @8797 has 463 MA's), (39, 8839), (44, 8872), (63, 8962), (76, 9025), (81, 9040), (85, 9049), (89, 9058), (94, 9076), (95, 9085), (101, 9097), (122, 9148), (124, 9151), (143, 9214), (145, 9223), (152, 9256), (155, 9277), (156, 9280), (157, 9286), (159, 9295), (160, 9298), (164, 9322), (169, 9346), (171, 9361), (174, 9379), (176, 9385), (186, 9430), (192, 9463), (202, 9511), (203, 9514), (211, 9553), (243, 9928), (271, 10069), (276, 10096), (279, 10117), (280, 10120), (287, 10165), (290, 10189), (302, 10273), (317, 10363), (320, 10381), (328, 10423), (330, 10453), (335, 10498), (340, 10531), (341, 10546), (346, 10588), (348, 10609), (351, 10666), (352, 10669), (355, 10699), (357, 10720), (361, 10750), (363, 10765), (364, 10792), (371, 10849), (372, 10855), (377, 10891), (380, 10927), (386, 10987), (391, 11023), (394, 11062), (395, 11065), (410, 11146), (415, 11158), (426, 11209), (434, 11239), (436, 11260),

Gene: PrinceCharming_13 Start: 9734, Stop: 12181, Start Num: 30

Candidate Starts for PrinceCharming_13:

(Start: 30 @9734 has 463 MA's), (41, 9788), (54, 9848), (76, 9941), (78, 9947), (84, 9962), (91, 9983), (96, 10013), (116, 10094), (117, 10097), (120, 10106), (131, 10133), (137, 10160), (157, 10232), (160, 10244), (164, 10262), (167, 10268), (178, 10331), (190, 10376), (200, 10418), (205, 10448), (222, 10619), (223, 10640), (224, 10646), (231, 10718), (236, 10781), (241, 10859), (244, 10865), (266, 10916), (271, 10955), (275, 10976), (276, 10982), (280, 11006), (288, 11057), (289, 11060), (292, 11090), (300, 11147), (302, 11159), (303, 11174), (307, 11201), (314, 11243), (323, 11288), (324, 11291), (329, 11321), (333, 11384), (334, 11390), (335, 11393), (338, 11405), (348, 11501), (350, 11543), (357, 11612), (364, 11690), (370, 11744), (377, 11789), (378, 11792), (379, 11819), (386, 11885), (389, 11900), (391, 11921), (394, 11960), (404, 12014), (410, 12041), (415, 12053), (427, 12101),

Gene: ProfessorX_9 Start: 6358, Stop: 8931, Start Num: 30

Candidate Starts for ProfessorX_9:

(22, 6229), (Start: 30 @6358 has 463 MA's), (40, 6409), (42, 6421), (45, 6436), (Start: 50 @6460 has 1 MA's), (65, 6520), (71, 6541), (94, 6613), (101, 6643), (113, 6721), (Start: 114 @6736 has 1 MA's), (122, 6772), (128, 6787), (133, 6808), (158, 6928), (159, 6934), (160, 6937), (167, 6976), (179, 7048), (185, 7072), (186, 7081), (189, 7102), (200, 7147), (202, 7162), (211, 7210), (215, 7225), (231, 7450), (238, 7549), (243, 7594), (271, 7672), (276, 7699), (280, 7723), (292, 7807), (302, 7876), (320, 7981), (321, 7984), (328, 8023), (329, 8026), (334, 8095), (335, 8098), (340, 8131), (346, 8188), (350, 8251), (352, 8269), (357, 8320), (361, 8350), (368, 8410), (371, 8449), (375, 8482), (377, 8491), (380, 8527), (388, 8596), (395, 8665), (402, 8731),

Gene: Puhltonio_9 Start: 6360, Stop: 8933, Start Num: 30

Candidate Starts for Puhltonio_9:

(22, 6231), (Start: 30 @6360 has 463 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (89, 6597), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Purplicious_40 Start: 19402, Stop: 22182, Start Num: 30

Candidate Starts for Purplicious_40:

(Start: 30 @19402 has 463 MA's), (32, 19411), (53, 19510), (68, 19570), (82, 19606), (84, 19609), (93, 19630), (103, 19669), (160, 19834), (162, 19846), (164, 19858), (183, 19909), (187, 19927), (194, 19966), (225, 20230), (230, 20299), (235, 20356), (245, 20431), (274, 20506), (280, 20542), (296, 20665), (302, 20701), (312, 20767), (315, 20788), (320, 20842), (322, 20848), (327, 20872), (344, 21034), (375, 21415), (376, 21418), (377, 21424), (383, 21505), (394, 21613), (401, 21682), (403, 21688), (413, 21727), (445, 21904), (447, 22060), (448, 22081), (449, 22114), (450, 22147), (452, 22165),

Gene: QueenBeane_9 Start: 6357, Stop: 8930, Start Num: 30

Candidate Starts for QueenBeane_9:

(22, 6228), (Start: 30 @6357 has 463 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (89, 6594), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (167, 6975), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (388, 8595), (395, 8664), (402, 8730),

Gene: QueenPie_10 Start: 8490, Stop: 10997, Start Num: 30

Candidate Starts for QueenPie_10:

(Start: 30 @8490 has 463 MA's), (39, 8532), (44, 8565), (63, 8655), (76, 8718), (81, 8733), (85, 8742), (89, 8751), (94, 8769), (95, 8778), (101, 8790), (106, 8805), (143, 8907), (145, 8916), (152, 8949), (155, 8970), (157, 8979), (159, 8988), (160, 8991), (164, 9015), (165, 9024), (167, 9030), (171, 9054), (174, 9072), (176, 9078), (178, 9087), (186, 9123), (192, 9156), (202, 9204), (203, 9207), (211, 9246), (219, 9345), (243, 9621), (271, 9762), (276, 9789), (279, 9810), (280, 9813), (287, 9858), (290, 9882), (302, 9966), (317, 10056), (320, 10074), (328, 10116), (330, 10146), (335, 10191), (340, 10224), (341, 10239), (346, 10281), (348, 10302), (351, 10359), (352, 10362), (355, 10392), (357, 10413), (361, 10443), (363, 10458), (364, 10485), (371, 10542), (372, 10548), (377, 10584), (380, 10620), (386, 10680), (389, 10695), (391, 10716), (395, 10758), (410, 10839), (415, 10851), (434, 10932), (436, 10953),

Gene: Quesadilla_12 Start: 9299, Stop: 11758, Start Num: 30

Candidate Starts for Quesadilla_12:

(Start: 30 @9299 has 463 MA's), (43, 9368), (44, 9374), (46, 9389), (Start: 49 @9398 has 2 MA's), (71, 9482), (76, 9503), (80, 9515), (89, 9536), (101, 9575), (108, 9593), (122, 9617), (140, 9674), (142, 9680), (148, 9707), (155, 9746), (164, 9791), (179, 9854), (186, 9887), (211, 10010), (224, 10178), (231, 10250), (236, 10313), (243, 10394), (271, 10529), (280, 10580), (287, 10625), (288, 10631), (292, 10664), (303, 10748), (317, 10823), (318, 10829), (330, 10913), (340, 10991), (346, 11048), (351, 11123), (352, 11126), (355, 11156), (357, 11177), (371, 11306), (377, 11348), (393, 11513), (410, 11597), (415, 11609), (426, 11660),

Gene: Quisquiliae_9 Start: 6360, Stop: 8933, Start Num: 30

Candidate Starts for Quisquiliae_9:

(22, 6231), (Start: 30 @6360 has 463 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (89, 6597), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Qyrzula_13 Start: 9707, Stop: 12154, Start Num: 30

Candidate Starts for Qyrzula_13:

(Start: 30 @9707 has 463 MA's), (41, 9761), (54, 9821), (76, 9914), (78, 9920), (84, 9935), (91, 9956), (96, 9986), (116, 10067), (117, 10070), (120, 10079), (131, 10106), (137, 10133), (157, 10205), (160, 10217), (164, 10235), (167, 10241), (178, 10304), (190, 10349), (200, 10391), (205, 10421), (222, 10592), (223, 10613), (224, 10619), (231, 10691), (236, 10754), (241, 10832), (244, 10838), (266, 10889), (271, 10928), (275, 10949), (276, 10955), (280, 10979), (288, 11030), (289, 11033), (292, 11063), (300, 11120), (302, 11132), (303, 11147), (307, 11174), (314, 11216), (323, 11261), (324, 11264), (329, 11294), (333, 11357), (334, 11363), (335, 11366), (338, 11378), (348, 11474), (350, 11516), (357, 11585), (358, 11591), (364, 11663), (370, 11717), (377, 11762), (378, 11765), (379, 11792), (386, 11858), (389, 11873), (391, 11894), (394, 11933), (404, 11987), (410, 12014), (415, 12026), (427, 12074),

Gene: RagingRooster_12 Start: 8209, Stop: 10641, Start Num: 30

Candidate Starts for RagingRooster_12:

(Start: 30 @8209 has 463 MA's), (Start: 49 @8308 has 2 MA's), (Start: 50 @8311 has 1 MA's), (62, 8356), (65, 8380), (66, 8383), (77, 8428), (92, 8467), (105, 8518), (118, 8548), (132, 8578), (140, 8605), (142, 8611), (155, 8677), (183, 8761), (185, 8767), (186, 8776), (187, 8779), (190, 8800), (202, 8857), (220, 9013), (223, 9073), (243, 9295), (271, 9391), (280, 9442), (288, 9493), (310, 9655), (320, 9712), (321, 9715), (323, 9724), (334, 9826), (346, 9919), (352, 10000), (380, 10258), (386, 10318), (389, 10333), (393, 10387), (405, 10471), (407, 10483), (425, 10552),

Gene: RawrgerThat_10 Start: 8628, Stop: 11135, Start Num: 30

Candidate Starts for RawrgerThat_10:

(Start: 30 @8628 has 463 MA's), (39, 8670), (63, 8793), (76, 8856), (81, 8871), (85, 8880), (89, 8889), (94, 8907), (95, 8916), (101, 8928), (122, 8979), (124, 8982), (143, 9045), (145, 9054), (152, 9087), (154, 9105), (155, 9108), (157, 9117), (160, 9129), (161, 9141), (171, 9192), (186, 9261), (192, 9294), (202, 9342), (203, 9345), (211, 9384), (243, 9759), (271, 9900), (276, 9927), (278, 9942), (279, 9948), (280, 9951), (287, 9996), (290, 10020), (302, 10104), (317, 10194), (320, 10212), (328, 10254), (330, 10284), (335, 10329), (340, 10362), (341, 10377), (345, 10410), (346, 10419), (348, 10440), (351, 10497), (352, 10500), (355, 10530), (357, 10551), (361, 10581), (363, 10596), (364, 10623), (371, 10680), (372, 10686), (377, 10722), (380, 10758), (386, 10818), (389, 10833), (393, 10887), (395, 10896), (410, 10977), (415, 10989), (434, 11070), (436, 11091),

Gene: Reccee_11 Start: 8740, Stop: 11250, Start Num: 30

Candidate Starts for Reccee_11:

(Start: 29 @8737 has 2 MA's), (Start: 30 @8740 has 463 MA's), (41, 8794), (45, 8818), (53, 8851), (61, 8872), (63, 8887), (112, 9061), (124, 9076), (129, 9088), (135, 9109), (143, 9139), (160, 9223), (164, 9247), (185, 9337), (186, 9346), (187, 9349), (190, 9370), (211, 9475), (243, 9847), (266, 9976), (270, 9994), (271, 10015), (280, 10066), (281, 10072), (292, 10159), (317, 10318), (320, 10336), (329, 10381), (340, 10486), (341, 10501), (346, 10543), (352, 10624), (361, 10705), (364, 10747), (371, 10804), (372, 10810), (377, 10846), (380, 10882), (386, 10942), (393, 11011), (410, 11098),

Gene: RedMaple_9 Start: 6357, Stop: 8930, Start Num: 30

Candidate Starts for RedMaple_9:

(22, 6228), (Start: 30 @6357 has 463 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (388, 8595),

(395, 8664), (402, 8730),

Gene: RedRaider89_10 Start: 6592, Stop: 9165, Start Num: 30

Candidate Starts for RedRaider89_10:

(22, 6463), (Start: 30 @6592 has 463 MA's), (40, 6643), (42, 6655), (45, 6670), (Start: 50 @6694 has 1 MA's), (65, 6754), (71, 6775), (94, 6847), (101, 6877), (113, 6955), (Start: 114 @6970 has 1 MA's), (122, 7006), (128, 7021), (133, 7042), (158, 7162), (159, 7168), (160, 7171), (179, 7282), (185, 7306), (186, 7315), (189, 7336), (200, 7381), (202, 7396), (211, 7444), (215, 7459), (231, 7684), (238, 7783), (243, 7828), (271, 7906), (276, 7933), (280, 7957), (292, 8041), (302, 8110), (320, 8215), (321, 8218), (328, 8257), (329, 8260), (334, 8329), (335, 8332), (340, 8365), (346, 8422), (350, 8485), (352, 8503), (357, 8554), (361, 8584), (368, 8644), (371, 8683), (375, 8716), (377, 8725), (380, 8761), (388, 8830), (395, 8899), (402, 8965),

Gene: Renkei_9 Start: 7533, Stop: 10040, Start Num: 30

Candidate Starts for Renkei_9:

(Start: 30 @7533 has 463 MA's), (39, 7575), (44, 7608), (57, 7656), (63, 7698), (76, 7761), (81, 7776), (85, 7785), (89, 7794), (94, 7812), (95, 7821), (101, 7833), (106, 7848), (143, 7950), (145, 7959), (152, 7992), (155, 8013), (157, 8022), (159, 8031), (160, 8034), (164, 8058), (165, 8067), (167, 8073), (171, 8097), (174, 8115), (176, 8121), (178, 8130), (186, 8166), (192, 8199), (202, 8247), (203, 8250), (211, 8289), (219, 8388), (243, 8664), (271, 8805), (276, 8832), (279, 8853), (280, 8856), (287, 8901), (290, 8925), (302, 9009), (317, 9099), (320, 9117), (328, 9159), (330, 9189), (335, 9234), (340, 9267), (341, 9282), (346, 9324), (348, 9345), (351, 9402), (352, 9405), (355, 9435), (357, 9456), (361, 9486), (363, 9501), (364, 9528), (367, 9540), (371, 9585), (372, 9591), (377, 9627), (380, 9663), (386, 9723), (389, 9738), (391, 9759), (395, 9801), (410, 9882), (415, 9894), (434, 9975), (436, 9996),

Gene: Reprobate_11 Start: 8830, Stop: 11310, Start Num: 29

Candidate Starts for Reprobate_11:

(Start: 29 @8830 has 2 MA's), (Start: 30 @8833 has 463 MA's), (45, 8911), (46, 8923), (47, 8926), (54, 8947), (75, 9031), (112, 9145), (129, 9172), (143, 9223), (160, 9307), (161, 9319), (164, 9331), (168, 9340), (179, 9373), (185, 9397), (186, 9406), (200, 9472), (202, 9487), (203, 9490), (205, 9505), (211, 9535), (217, 9604), (226, 9724), (243, 9907), (266, 10036), (270, 10054), (271, 10075), (280, 10126), (281, 10132), (292, 10219), (317, 10378), (320, 10396), (329, 10441), (334, 10510), (340, 10546), (341, 10561), (346, 10603), (351, 10681), (352, 10684), (364, 10807), (371, 10864), (372, 10870), (373, 10885), (380, 10942), (386, 11002), (392, 11059), (410, 11158), (431, 11242),

Gene: Rhinoforte_13 Start: 9734, Stop: 12181, Start Num: 30

Candidate Starts for Rhinoforte_13:

(Start: 30 @9734 has 463 MA's), (41, 9788), (54, 9848), (76, 9941), (78, 9947), (84, 9962), (91, 9983), (96, 10013), (116, 10094), (117, 10097), (120, 10106), (131, 10133), (137, 10160), (157, 10232), (160, 10244), (164, 10262), (167, 10268), (178, 10331), (190, 10376), (200, 10418), (205, 10448), (222, 10619), (223, 10640), (224, 10646), (231, 10718), (236, 10781), (241, 10859), (244, 10865), (266, 10916), (271, 10955), (275, 10976), (276, 10982), (280, 11006), (288, 11057), (289, 11060), (292, 11090), (300, 11147), (302, 11159), (303, 11174), (307, 11201), (314, 11243), (323, 11288), (324, 11291), (329, 11321), (333, 11384), (334, 11390), (335, 11393), (338, 11405), (348, 11501), (350, 11543), (357, 11612), (364, 11690), (370, 11744), (377, 11789), (378, 11792), (379, 11819), (386, 11885), (389, 11900), (391, 11921), (394, 11960), (404, 12014), (410, 12041), (415, 12053), (427, 12101),

Gene: Rich_11 Start: 8564, Stop: 11071, Start Num: 30

Candidate Starts for Rich_11:

(7, 8075), (14, 8261), (Start: 29 @8561 has 2 MA's), (Start: 30 @8564 has 463 MA's), (45, 8642), (53, 8675), (112, 8885), (124, 8900), (143, 8963), (160, 9047), (161, 9059), (164, 9071), (177, 9128), (179, 9137), (185, 9161), (186, 9170), (187, 9173), (190, 9194), (211, 9299), (236, 9602), (243, 9671), (266,

9797), (269, 9809), (270, 9815), (271, 9836), (275, 9857), (280, 9887), (281, 9893), (292, 9980), (307, 10091), (317, 10139), (320, 10157), (326, 10184), (329, 10202), (334, 10271), (340, 10307), (341, 10322), (345, 10355), (346, 10364), (352, 10445), (364, 10568), (372, 10631), (380, 10703), (389, 10778), (392, 10820), (393, 10832), (410, 10919),

Gene: Ricotta_9 Start: 6359, Stop: 8932, Start Num: 30

Candidate Starts for Ricotta_9:

(22, 6230), (Start: 30 @6359 has 463 MA's), (40, 6410), (42, 6422), (45, 6437), (Start: 50 @6461 has 1 MA's), (65, 6521), (71, 6542), (89, 6596), (94, 6614), (101, 6644), (113, 6722), (Start: 114 @6737 has 1 MA's), (122, 6773), (128, 6788), (133, 6809), (158, 6929), (159, 6935), (160, 6938), (167, 6977), (179, 7049), (185, 7073), (186, 7082), (189, 7103), (200, 7148), (202, 7163), (211, 7211), (215, 7226), (231, 7451), (238, 7550), (243, 7595), (271, 7673), (276, 7700), (280, 7724), (292, 7808), (302, 7877), (320, 7982), (321, 7985), (328, 8024), (329, 8027), (334, 8096), (335, 8099), (340, 8132), (346, 8189), (350, 8252), (352, 8270), (357, 8321), (361, 8351), (368, 8411), (371, 8450), (375, 8483), (377, 8492), (380, 8528), (388, 8597), (395, 8666), (402, 8732),

Gene: Riggan_9 Start: 6364, Stop: 8937, Start Num: 30

Candidate Starts for Riggan_9:

(22, 6235), (Start: 30 @6364 has 463 MA's), (40, 6415), (42, 6427), (45, 6442), (Start: 50 @6466 has 1 MA's), (65, 6526), (71, 6547), (94, 6619), (101, 6649), (113, 6727), (Start: 114 @6742 has 1 MA's), (122, 6778), (128, 6793), (133, 6814), (158, 6934), (159, 6940), (160, 6943), (167, 6982), (179, 7054), (185, 7078), (186, 7087), (189, 7108), (200, 7153), (202, 7168), (211, 7216), (215, 7231), (231, 7456), (238, 7555), (243, 7600), (271, 7678), (276, 7705), (280, 7729), (292, 7813), (302, 7882), (320, 7987), (321, 7990), (328, 8029), (329, 8032), (334, 8101), (335, 8104), (340, 8137), (346, 8194), (350, 8257), (352, 8275), (357, 8326), (361, 8356), (368, 8416), (371, 8455), (375, 8488), (377, 8497), (380, 8533), (388, 8602), (395, 8671), (402, 8737),

Gene: Rimu_9 Start: 6356, Stop: 8929, Start Num: 30

Candidate Starts for Rimu_9:

(22, 6227), (Start: 30 @6356 has 463 MA's), (40, 6407), (42, 6419), (45, 6434), (Start: 50 @6458 has 1 MA's), (65, 6518), (71, 6539), (94, 6611), (101, 6641), (113, 6719), (Start: 114 @6734 has 1 MA's), (122, 6770), (128, 6785), (133, 6806), (158, 6926), (159, 6932), (160, 6935), (167, 6974), (179, 7046), (185, 7070), (186, 7079), (189, 7100), (200, 7145), (202, 7160), (209, 7196), (211, 7208), (215, 7223), (231, 7448), (238, 7547), (243, 7592), (271, 7670), (276, 7697), (280, 7721), (292, 7805), (302, 7874), (313, 7952), (320, 7979), (321, 7982), (328, 8021), (329, 8024), (334, 8093), (335, 8096), (340, 8129), (346, 8186), (350, 8249), (352, 8267), (357, 8318), (361, 8348), (368, 8408), (371, 8447), (375, 8480), (377, 8489), (380, 8525), (395, 8663), (402, 8729),

Gene: Rinkes_14 Start: 10462, Stop: 12924, Start Num: 30

Candidate Starts for Rinkes_14:

(Start: 30 @10462 has 463 MA's), (47, 10555), (55, 10576), (65, 10612), (81, 10669), (94, 10705), (95, 10714), (99, 10720), (101, 10726), (110, 10759), (122, 10786), (124, 10789), (152, 10894), (155, 10915), (163, 10954), (164, 10960), (185, 11035), (189, 11065), (190, 11068), (200, 11110), (202, 11125), (217, 11236), (218, 11254), (220, 11269), (224, 11335), (243, 11554), (249, 11572), (271, 11695), (272, 11698), (275, 11716), (280, 11746), (287, 11791), (290, 11815), (292, 11830), (301, 11896), (302, 11899), (303, 11914), (306, 11938), (320, 12007), (328, 12049), (329, 12052), (334, 12121), (335, 12124), (346, 12214), (351, 12289), (352, 12292), (361, 12373), (367, 12427), (375, 12505), (380, 12550), (381, 12556), (384, 12601), (389, 12625), (392, 12667), (394, 12685), (404, 12742), (410, 12769), (429, 12841), (436, 12892), (439, 12901), (441, 12913),

Gene: Rita130_11 Start: 8560, Stop: 11070, Start Num: 30

Candidate Starts for Rita130_11:

(Start: 29 @8557 has 2 MA's), (Start: 30 @8560 has 463 MA's), (41, 8614), (45, 8638), (53, 8671), (61, 8692), (63, 8707), (112, 8881), (124, 8896), (129, 8908), (135, 8929), (143, 8959), (160, 9043), (164, 9067), (185, 9157), (186, 9166), (187, 9169), (190, 9190), (211, 9295), (243, 9667), (266, 9796), (270, 9814), (271, 9835), (280, 9886), (281, 9892), (292, 9979), (317, 10138), (320, 10156), (329, 10201), (340, 10306), (341, 10321), (346, 10363), (352, 10444), (361, 10525), (364, 10567), (371, 10624), (372, 10630), (377, 10666), (380, 10702), (386, 10762), (393, 10831), (410, 10918),

Gene: Rita1961_12 Start: 8209, Stop: 10656, Start Num: 30

Candidate Starts for Rita1961_12:

(Start: 30 @8209 has 463 MA's), (Start: 49 @8308 has 2 MA's), (Start: 50 @8311 has 1 MA's), (62, 8356), (65, 8380), (66, 8383), (73, 8413), (77, 8428), (92, 8467), (105, 8518), (118, 8548), (132, 8578), (140, 8605), (142, 8611), (155, 8677), (185, 8767), (186, 8776), (187, 8779), (190, 8800), (202, 8857), (211, 8911), (220, 9013), (223, 9073), (226, 9100), (243, 9295), (271, 9391), (280, 9442), (288, 9493), (310, 9655), (320, 9712), (321, 9715), (323, 9724), (334, 9826), (346, 9919), (352, 10000), (380, 10258), (386, 10318), (389, 10333), (393, 10387), (405, 10471), (407, 10483), (425, 10552),

Gene: Riverton_9 Start: 6360, Stop: 8933, Start Num: 30

Candidate Starts for Riverton_9:

(22, 6231), (Start: 30 @6360 has 463 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Robyn_9 Start: 6362, Stop: 8932, Start Num: 30

Candidate Starts for Robyn_9:

(22, 6233), (Start: 30 @6362 has 463 MA's), (40, 6413), (42, 6425), (45, 6440), (Start: 50 @6464 has 1 MA's), (65, 6524), (71, 6545), (94, 6617), (101, 6647), (113, 6725), (Start: 114 @6740 has 1 MA's), (122, 6776), (128, 6791), (133, 6812), (158, 6932), (159, 6938), (160, 6941), (167, 6980), (179, 7052), (185, 7076), (186, 7085), (189, 7106), (200, 7151), (202, 7166), (211, 7214), (215, 7229), (231, 7454), (238, 7553), (243, 7598), (271, 7676), (276, 7703), (280, 7727), (292, 7811), (302, 7880), (320, 7985), (321, 7988), (328, 8027), (329, 8030), (334, 8099), (335, 8102), (340, 8135), (346, 8192), (350, 8255), (352, 8273), (357, 8324), (361, 8354), (362, 8363), (368, 8414), (371, 8453), (375, 8486), (377, 8495), (380, 8531), (388, 8600), (395, 8669), (402, 8735),

Gene: Roliet_9 Start: 6360, Stop: 8933, Start Num: 30

Candidate Starts for Roliet_9:

(22, 6231), (Start: 30 @6360 has 463 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (209, 7200), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: RomaT_12 Start: 8971, Stop: 11418, Start Num: 30

Candidate Starts for RomaT_12:

(Start: 30 @8971 has 463 MA's), (Start: 49 @9070 has 2 MA's), (Start: 50 @9073 has 1 MA's), (62, 9118), (65, 9142), (66, 9145), (77, 9190), (92, 9229), (105, 9280), (118, 9310), (132, 9340), (140,

9367), (142, 9373), (155, 9439), (183, 9523), (185, 9529), (186, 9538), (187, 9541), (190, 9562), (202, 9619), (220, 9775), (223, 9835), (243, 10057), (271, 10153), (280, 10204), (288, 10255), (310, 10417), (320, 10474), (321, 10477), (323, 10486), (334, 10588), (346, 10681), (352, 10762), (380, 11020), (386, 11080), (389, 11095), (393, 11149), (405, 11233), (407, 11245), (425, 11314),

Gene: Roscoe_10 Start: 6595, Stop: 9168, Start Num: 30

Candidate Starts for Roscoe_10:

(22, 6466), (Start: 30 @6595 has 463 MA's), (40, 6646), (42, 6658), (45, 6673), (Start: 50 @6697 has 1 MA's), (65, 6757), (71, 6778), (94, 6850), (101, 6880), (113, 6958), (Start: 114 @6973 has 1 MA's), (122, 7009), (128, 7024), (133, 7045), (158, 7165), (159, 7171), (160, 7174), (179, 7285), (185, 7309), (186, 7318), (189, 7339), (200, 7384), (202, 7399), (211, 7447), (215, 7462), (231, 7687), (238, 7786), (243, 7831), (271, 7909), (276, 7936), (280, 7960), (292, 8044), (302, 8113), (320, 8218), (321, 8221), (328, 8260), (329, 8263), (334, 8332), (335, 8335), (340, 8368), (346, 8425), (350, 8488), (352, 8506), (357, 8557), (361, 8587), (368, 8647), (371, 8686), (375, 8719), (377, 8728), (380, 8764), (388, 8833), (395, 8902), (402, 8968),

Gene: Rosebush_13 Start: 9734, Stop: 12181, Start Num: 30

Candidate Starts for Rosebush_13:

(Start: 30 @9734 has 463 MA's), (41, 9788), (54, 9848), (76, 9941), (78, 9947), (84, 9962), (91, 9983), (96, 10013), (116, 10094), (117, 10097), (120, 10106), (131, 10133), (137, 10160), (157, 10232), (160, 10244), (164, 10262), (167, 10268), (178, 10331), (190, 10376), (200, 10418), (205, 10448), (222, 10619), (223, 10640), (224, 10646), (231, 10718), (236, 10781), (241, 10859), (244, 10865), (266, 10916), (271, 10955), (275, 10976), (276, 10982), (280, 11006), (288, 11057), (289, 11060), (292, 11090), (300, 11147), (302, 11159), (303, 11174), (307, 11201), (314, 11243), (323, 11288), (324, 11291), (329, 11321), (333, 11384), (334, 11390), (335, 11393), (338, 11405), (348, 11501), (350, 11543), (357, 11612), (364, 11690), (370, 11744), (377, 11789), (378, 11792), (379, 11819), (386, 11885), (389, 11900), (391, 11921), (394, 11960), (404, 12014), (410, 12041), (415, 12053), (427, 12101),

Gene: Roy17_9 Start: 6361, Stop: 8934, Start Num: 30

Candidate Starts for Roy17_9:

(22, 6232), (Start: 30 @6361 has 463 MA's), (40, 6412), (42, 6424), (45, 6439), (Start: 50 @6463 has 1 MA's), (65, 6523), (71, 6544), (94, 6616), (101, 6646), (113, 6724), (Start: 114 @6739 has 1 MA's), (122, 6775), (128, 6790), (133, 6811), (158, 6931), (159, 6937), (160, 6940), (179, 7051), (185, 7075), (186, 7084), (189, 7105), (200, 7150), (202, 7165), (211, 7213), (215, 7228), (231, 7453), (238, 7552), (243, 7597), (271, 7675), (276, 7702), (280, 7726), (292, 7810), (302, 7879), (320, 7984), (321, 7987), (328, 8026), (329, 8029), (334, 8098), (335, 8101), (340, 8134), (346, 8191), (350, 8254), (352, 8272), (357, 8323), (361, 8353), (368, 8413), (371, 8452), (375, 8485), (377, 8494), (380, 8530), (388, 8599), (395, 8668), (402, 8734),

Gene: SDcharge11_9 Start: 6353, Stop: 8926, Start Num: 30

Candidate Starts for SDcharge11_9:

(22, 6224), (Start: 30 @6353 has 463 MA's), (40, 6404), (42, 6416), (45, 6431), (Start: 50 @6455 has 1 MA's), (65, 6515), (71, 6536), (94, 6608), (101, 6638), (113, 6716), (Start: 114 @6731 has 1 MA's), (122, 6767), (128, 6782), (133, 6803), (158, 6923), (159, 6929), (160, 6932), (179, 7043), (185, 7067), (186, 7076), (189, 7097), (200, 7142), (202, 7157), (209, 7193), (211, 7205), (215, 7220), (231, 7445), (238, 7544), (243, 7589), (271, 7667), (276, 7694), (280, 7718), (292, 7802), (302, 7871), (320, 7976), (321, 7979), (328, 8018), (329, 8021), (334, 8090), (335, 8093), (340, 8126), (346, 8183), (350, 8246), (352, 8264), (357, 8315), (361, 8345), (368, 8405), (371, 8444), (375, 8477), (377, 8486), (380, 8522), (395, 8660), (402, 8726),

Gene: Sabella_13 Start: 9617, Stop: 12064, Start Num: 30

Candidate Starts for Sabella_13:

(Start: 30 @9617 has 463 MA's), (41, 9671), (54, 9731), (76, 9824), (78, 9830), (84, 9845), (91, 9866), (96, 9896), (116, 9977), (117, 9980), (120, 9989), (131, 10016), (137, 10043), (157, 10115), (160, 10127), (164, 10145), (167, 10151), (178, 10214), (190, 10259), (200, 10301), (205, 10331), (222, 10502), (223, 10523), (224, 10529), (231, 10601), (236, 10664), (241, 10742), (244, 10748), (266, 10799), (271, 10838), (275, 10859), (276, 10865), (280, 10889), (288, 10940), (289, 10943), (292, 10973), (300, 11030), (302, 11042), (303, 11057), (307, 11084), (314, 11126), (323, 11171), (324, 11174), (329, 11204), (333, 11267), (334, 11273), (335, 11276), (338, 11288), (348, 11384), (350, 11426), (357, 11495), (364, 11573), (370, 11627), (377, 11672), (378, 11675), (379, 11702), (386, 11768), (389, 11783), (391, 11804), (394, 11843), (404, 11897), (410, 11924), (415, 11936), (427, 11984),

Gene: Saguaro_12 Start: 9525, Stop: 11996, Start Num: 30

Candidate Starts for Saguaro_12:

(Start: 30 @9525 has 463 MA's), (65, 9687), (76, 9729), (81, 9744), (94, 9780), (101, 9801), (111, 9828), (118, 9834), (122, 9846), (140, 9903), (143, 9912), (160, 9996), (164, 10020), (172, 10056), (174, 10068), (179, 10083), (186, 10116), (192, 10149), (200, 10182), (202, 10197), (205, 10212), (211, 10242), (222, 10383), (224, 10410), (231, 10482), (236, 10545), (243, 10626), (254, 10671), (255, 10674), (263, 10707), (271, 10770), (280, 10821), (289, 10875), (292, 10905), (317, 11064), (318, 11070), (328, 11124), (329, 11127), (341, 11247), (346, 11289), (349, 11322), (352, 11370), (355, 11400), (357, 11421), (360, 11445), (363, 11466), (371, 11550), (375, 11583), (377, 11592), (380, 11628), (391, 11724), (395, 11766), (410, 11838), (415, 11850), (425, 11898),

Gene: Salazzle_9 Start: 6359, Stop: 8941, Start Num: 30

Candidate Starts for Salazzle_9:

(22, 6230), (Start: 30 @6359 has 463 MA's), (40, 6410), (42, 6422), (45, 6437), (Start: 50 @6461 has 1 MA's), (65, 6521), (71, 6542), (94, 6614), (101, 6644), (113, 6722), (Start: 114 @6737 has 1 MA's), (122, 6773), (128, 6788), (133, 6809), (158, 6929), (159, 6935), (160, 6938), (167, 6977), (179, 7049), (185, 7073), (186, 7082), (189, 7103), (200, 7148), (202, 7163), (209, 7199), (211, 7211), (215, 7226), (231, 7451), (238, 7550), (243, 7595), (271, 7673), (276, 7700), (280, 7724), (292, 7808), (302, 7877), (313, 7955), (320, 7982), (321, 7985), (328, 8024), (329, 8027), (334, 8096), (335, 8099), (340, 8132), (346, 8189), (350, 8252), (352, 8270), (357, 8321), (361, 8351), (368, 8411), (371, 8450), (375, 8483), (377, 8492), (380, 8528), (395, 8666), (402, 8732),

Gene: SallyH_10 Start: 6358, Stop: 8931, Start Num: 30

Candidate Starts for SallyH_10:

(22, 6229), (Start: 30 @6358 has 463 MA's), (40, 6409), (42, 6421), (45, 6436), (Start: 50 @6460 has 1 MA's), (65, 6520), (71, 6541), (94, 6613), (101, 6643), (113, 6721), (Start: 114 @6736 has 1 MA's), (122, 6772), (128, 6787), (133, 6808), (158, 6928), (159, 6934), (160, 6937), (179, 7048), (185, 7072), (186, 7081), (189, 7102), (200, 7147), (202, 7162), (211, 7210), (215, 7225), (231, 7450), (238, 7549), (243, 7594), (271, 7672), (276, 7699), (280, 7723), (292, 7807), (302, 7876), (320, 7981), (321, 7984), (328, 8023), (329, 8026), (334, 8095), (335, 8098), (340, 8131), (346, 8188), (350, 8251), (352, 8269), (357, 8320), (361, 8350), (368, 8410), (371, 8449), (375, 8482), (377, 8491), (380, 8527), (388, 8596), (395, 8665), (402, 8731),

Gene: Samaymay_9 Start: 6357, Stop: 8930, Start Num: 30

Candidate Starts for Samaymay_9:

(22, 6228), (Start: 30 @6357 has 463 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (89, 6594), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (167, 6975), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380,

8526), (388, 8595), (395, 8664), (402, 8730),

Gene: SassyCat97_9 Start: 6357, Stop: 8930, Start Num: 30

Candidate Starts for SassyCat97_9:

(22, 6228), (Start: 30 @6357 has 463 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (89, 6594), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (388, 8595), (395, 8664), (402, 8730),

Gene: Schadenfreude_9 Start: 6358, Stop: 8928, Start Num: 30

Candidate Starts for Schadenfreude_9:

(22, 6229), (Start: 30 @6358 has 463 MA's), (40, 6409), (42, 6421), (45, 6436), (Start: 50 @6460 has 1 MA's), (65, 6520), (71, 6541), (94, 6613), (101, 6643), (113, 6721), (Start: 114 @6736 has 1 MA's), (122, 6772), (128, 6787), (133, 6808), (158, 6928), (159, 6934), (160, 6937), (167, 6976), (179, 7048), (185, 7072), (186, 7081), (189, 7102), (200, 7147), (202, 7162), (211, 7210), (215, 7225), (231, 7450), (238, 7549), (243, 7594), (271, 7672), (276, 7699), (280, 7723), (292, 7807), (302, 7876), (320, 7981), (321, 7984), (328, 8023), (329, 8026), (334, 8095), (335, 8098), (340, 8131), (346, 8188), (350, 8251), (352, 8269), (357, 8320), (361, 8350), (368, 8410), (375, 8482), (377, 8491), (380, 8527), (388, 8596), (395, 8665), (402, 8731),

Gene: Schueller_9 Start: 6360, Stop: 8930, Start Num: 30

Candidate Starts for Schueller_9:

(22, 6231), (Start: 30 @6360 has 463 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (209, 7197), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (313, 7953), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (395, 8664), (402, 8730),

Gene: Scoot17C_9 Start: 6361, Stop: 8934, Start Num: 30

Candidate Starts for Scoot17C_9:

(22, 6232), (Start: 30 @6361 has 463 MA's), (40, 6412), (42, 6424), (45, 6439), (Start: 50 @6463 has 1 MA's), (65, 6523), (71, 6544), (94, 6616), (101, 6646), (113, 6724), (Start: 114 @6739 has 1 MA's), (122, 6775), (128, 6790), (133, 6811), (158, 6931), (159, 6937), (160, 6940), (167, 6979), (179, 7051), (185, 7075), (186, 7084), (189, 7105), (200, 7150), (202, 7165), (211, 7213), (215, 7228), (231, 7453), (238, 7552), (243, 7597), (271, 7675), (276, 7702), (280, 7726), (292, 7810), (302, 7879), (320, 7984), (321, 7987), (328, 8026), (329, 8029), (334, 8098), (335, 8101), (340, 8134), (346, 8191), (350, 8254), (352, 8272), (357, 8323), (361, 8353), (368, 8413), (371, 8452), (375, 8485), (377, 8494), (380, 8530), (388, 8599), (395, 8668), (402, 8734),

Gene: Scrick_9 Start: 6361, Stop: 8934, Start Num: 30

Candidate Starts for Scrick_9:

(22, 6232), (Start: 30 @6361 has 463 MA's), (40, 6412), (42, 6424), (45, 6439), (Start: 50 @6463 has 1 MA's), (65, 6523), (71, 6544), (94, 6616), (101, 6646), (113, 6724), (Start: 114 @6739 has 1 MA's), (122, 6775), (128, 6790), (133, 6811), (158, 6931), (159, 6937), (160, 6940), (167, 6979), (179, 7051), (185, 7075), (186, 7084), (189, 7105), (200, 7150), (202, 7165), (211, 7213), (215, 7228), (231, 7453), (238, 7552), (243, 7597), (271, 7675), (276, 7702), (280, 7726), (292, 7810), (302, 7879), (320, 7984),

(321, 7987), (328, 8026), (329, 8029), (334, 8098), (335, 8101), (340, 8134), (346, 8191), (350, 8254), (352, 8272), (357, 8323), (361, 8353), (368, 8413), (371, 8452), (375, 8485), (377, 8494), (380, 8530), (388, 8599), (395, 8668), (402, 8734),

Gene: Sejanus_8 Start: 6055, Stop: 9366, Start Num: 3

Candidate Starts for Sejanus_8:

(Start: 2 @6052 has 1 MA's), (Start: 3 @6055 has 3 MA's), (4, 6082), (6, 6169), (8, 6193), (10, 6250), (11, 6292), (12, 6331), (13, 6343), (15, 6388), (16, 6400), (17, 6412), (19, 6433), (23, 6553), (24, 6586), (33, 6685), (34, 6688), (38, 6709), (42, 6733), (51, 6775), (63, 6808), (67, 6838), (69, 6844), (71, 6865), (72, 6868), (86, 6919), (87, 6922), (95, 6961), (98, 6982), (130, 7147), (132, 7156), (136, 7168), (147, 7231), (157, 7285), (181, 7435), (193, 7498), (196, 7516), (199, 7567), (204, 7603), (207, 7621), (212, 7651), (213, 7654), (221, 7762), (228, 7855), (231, 7894), (236, 7960), (238, 7996), (243, 8041), (261, 8065), (268, 8119), (271, 8149), (276, 8176), (283, 8215), (294, 8302), (300, 8341), (306, 8392), (318, 8446), (322, 8458), (335, 8569), (340, 8602), (364, 8866), (371, 8923), (374, 8950), (375, 8956), (380, 9001), (382, 9019), (387, 9067), (393, 9130), (394, 9136), (395, 9139), (399, 9172), (404, 9190), (410, 9217), (421, 9259), (427, 9283), (443, 9361),

Gene: Selr12_9 Start: 6360, Stop: 8933, Start Num: 30

Candidate Starts for Selr12_9:

(22, 6231), (Start: 30 @6360 has 463 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (89, 6597), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Serendipitous_11 Start: 8612, Stop: 11113, Start Num: 30

Candidate Starts for Serendipitous_11:

(Start: 30 @8612 has 463 MA's), (41, 8666), (45, 8690), (53, 8723), (61, 8744), (63, 8759), (89, 8855), (92, 8864), (112, 8933), (122, 8945), (124, 8948), (129, 8960), (135, 8981), (143, 9011), (160, 9095), (164, 9119), (177, 9176), (179, 9185), (185, 9209), (186, 9218), (187, 9221), (190, 9242), (205, 9317), (211, 9347), (243, 9719), (266, 9839), (270, 9857), (271, 9878), (280, 9929), (281, 9935), (292, 10022), (294, 10040), (317, 10181), (320, 10199), (329, 10244), (334, 10313), (340, 10349), (341, 10364), (345, 10397), (346, 10406), (352, 10487), (364, 10610), (371, 10667), (372, 10673), (373, 10688), (380, 10745), (392, 10862), (393, 10874), (410, 10961), (426, 11024),

Gene: Serendipity_9 Start: 6360, Stop: 8933, Start Num: 30

Candidate Starts for Serendipity_9:

(22, 6231), (Start: 30 @6360 has 463 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (89, 6597), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Serpentine_009 Start: 6360, Stop: 8933, Start Num: 30

Candidate Starts for Serpentine_009:

(22, 6231), (Start: 30 @6360 has 463 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (89, 6597), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1

MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: ShadowBud_9 Start: 6360, Stop: 8933, Start Num: 30

Candidate Starts for ShadowBud_9:

(22, 6231), (Start: 30 @6360 has 463 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (89, 6597), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Shatter_9 Start: 7131, Stop: 9533, Start Num: 30

Candidate Starts for Shatter_9:

(18, 6879), (25, 7101), (Start: 30 @7131 has 463 MA's), (Start: 31 @7134 has 1 MA's), (Start: 35 @7149 has 1 MA's), (47, 7218), (53, 7236), (58, 7248), (70, 7311), (72, 7317), (89, 7368), (91, 7374), (103, 7416), (120, 7440), (140, 7512), (154, 7581), (160, 7605), (185, 7668), (188, 7683), (190, 7701), (200, 7743), (216, 7866), (234, 8079), (242, 8178), (262, 8253), (266, 8277), (267, 8280), (268, 8286), (271, 8316), (277, 8352), (280, 8367), (284, 8388), (317, 8610), (318, 8616), (320, 8628), (329, 8673), (333, 8736), (341, 8793), (347, 8835), (351, 8910), (352, 8913), (360, 8988), (363, 9009), (368, 9057), (374, 9123), (377, 9138), (385, 9231), (389, 9249), (396, 9321), (410, 9384), (415, 9396), (425, 9444), (428, 9453), (442, 9522),

Gene: Sheila_9 Start: 6358, Stop: 8931, Start Num: 30

Candidate Starts for Sheila_9:

(22, 6229), (Start: 30 @6358 has 463 MA's), (40, 6409), (42, 6421), (45, 6436), (Start: 50 @6460 has 1 MA's), (65, 6520), (71, 6541), (94, 6613), (101, 6643), (113, 6721), (Start: 114 @6736 has 1 MA's), (122, 6772), (128, 6787), (133, 6808), (158, 6928), (159, 6934), (160, 6937), (167, 6976), (179, 7048), (185, 7072), (186, 7081), (189, 7102), (200, 7147), (202, 7162), (209, 7198), (211, 7210), (215, 7225), (231, 7450), (238, 7549), (243, 7594), (271, 7672), (276, 7699), (280, 7723), (292, 7807), (302, 7876), (320, 7981), (321, 7984), (328, 8023), (329, 8026), (334, 8095), (335, 8098), (340, 8131), (346, 8188), (350, 8251), (352, 8269), (357, 8320), (361, 8350), (368, 8410), (371, 8449), (375, 8482), (377, 8491), (380, 8527), (395, 8665), (402, 8731),

Gene: Shenandoah_12 Start: 8211, Stop: 10643, Start Num: 30

Candidate Starts for Shenandoah_12:

(Start: 30 @8211 has 463 MA's), (Start: 49 @8310 has 2 MA's), (Start: 50 @8313 has 1 MA's), (62, 8358), (65, 8382), (66, 8385), (77, 8430), (92, 8469), (105, 8520), (118, 8550), (132, 8580), (140, 8607), (142, 8613), (155, 8679), (183, 8763), (185, 8769), (186, 8778), (187, 8781), (190, 8802), (202, 8859), (220, 9015), (223, 9075), (243, 9297), (271, 9393), (280, 9444), (288, 9495), (310, 9657), (320, 9714), (321, 9717), (323, 9726), (334, 9828), (346, 9921), (352, 10002), (380, 10260), (386, 10320), (389, 10335), (393, 10389), (405, 10473), (407, 10485), (425, 10554),

Gene: Shenyu_11 Start: 8903, Stop: 11071, Start Num: 124

Candidate Starts for Shenyu_11:

(Start: 29 @8564 has 2 MA's), (Start: 30 @8567 has 463 MA's), (41, 8621), (45, 8645), (53, 8678), (63, 8714), (112, 8888), (124, 8903), (135, 8936), (143, 8966), (164, 9074), (178, 9137), (179, 9140), (185,

9164), (186, 9173), (187, 9176), (190, 9197), (211, 9302), (226, 9491), (243, 9674), (266, 9797), (270, 9815), (271, 9836), (280, 9887), (281, 9893), (292, 9980), (317, 10139), (320, 10157), (329, 10202), (334, 10271), (340, 10307), (341, 10322), (346, 10364), (352, 10445), (364, 10568), (371, 10625), (372, 10631), (380, 10703), (392, 10820), (410, 10919),

Gene: ShiVal_9 Start: 6360, Stop: 8933, Start Num: 30

Candidate Starts for ShiVal_9:

(22, 6231), (Start: 30 @6360 has 463 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Sigman_9 Start: 6357, Stop: 8930, Start Num: 30

Candidate Starts for Sigman_9:

(22, 6228), (Start: 30 @6357 has 463 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (167, 6975), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (388, 8595), (395, 8664), (402, 8730),

Gene: SilverBell_10 Start: 6738, Stop: 8933, Start Num: 114

Candidate Starts for SilverBell_10:

(22, 6231), (Start: 30 @6360 has 463 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (209, 7200), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (313, 7956), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Simielle_9 Start: 6360, Stop: 8933, Start Num: 30

Candidate Starts for Simielle_9:

(22, 6231), (Start: 30 @6360 has 463 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: SirBeauregard_9 Start: 6358, Stop: 8949, Start Num: 30

Candidate Starts for SirBeauregard_9:

(22, 6229), (Start: 30 @6358 has 463 MA's), (40, 6409), (42, 6421), (45, 6436), (Start: 50 @6460 has 1 MA's), (65, 6520), (71, 6541), (94, 6613), (101, 6643), (113, 6721), (Start: 114 @6736 has 1 MA's),

(122, 6772), (128, 6787), (133, 6808), (158, 6928), (159, 6934), (160, 6937), (179, 7048), (185, 7072), (186, 7081), (189, 7102), (200, 7147), (202, 7162), (209, 7198), (211, 7210), (215, 7225), (231, 7450), (238, 7549), (243, 7594), (271, 7672), (276, 7699), (280, 7723), (292, 7807), (302, 7876), (313, 7954), (320, 7981), (321, 7984), (328, 8023), (329, 8026), (334, 8095), (335, 8098), (340, 8131), (346, 8188), (350, 8251), (352, 8269), (357, 8320), (361, 8350), (368, 8410), (371, 8449), (375, 8482), (377, 8491), (380, 8527), (395, 8665), (402, 8731),

Gene: SirJeffery_11 Start: 8560, Stop: 11070, Start Num: 30

Candidate Starts for SirJeffery_11:

(Start: 29 @8557 has 2 MA's), (Start: 30 @8560 has 463 MA's), (41, 8614), (45, 8638), (53, 8671), (61, 8692), (63, 8707), (112, 8881), (124, 8896), (129, 8908), (135, 8929), (143, 8959), (160, 9043), (164, 9067), (185, 9157), (186, 9166), (187, 9169), (190, 9190), (243, 9667), (266, 9796), (270, 9814), (271, 9835), (280, 9886), (281, 9892), (292, 9979), (317, 10138), (320, 10156), (329, 10201), (340, 10306), (341, 10321), (346, 10363), (352, 10444), (361, 10525), (364, 10567), (371, 10624), (372, 10630), (377, 10666), (380, 10702), (386, 10762), (393, 10831), (410, 10918),

Gene: Sisko_8 Start: 6938, Stop: 9343, Start Num: 30

Candidate Starts for Sisko_8:

(Start: 30 @6938 has 463 MA's), (Start: 35 @6956 has 1 MA's), (Start: 49 @7031 has 2 MA's), (53, 7043), (72, 7124), (91, 7181), (92, 7184), (94, 7193), (95, 7202), (101, 7214), (120, 7247), (133, 7286), (135, 7292), (138, 7307), (143, 7328), (147, 7346), (151, 7367), (155, 7391), (160, 7412), (185, 7475), (188, 7490), (216, 7673), (234, 7886), (242, 7985), (266, 8087), (268, 8096), (271, 8126), (277, 8162), (280, 8177), (284, 8198), (288, 8228), (291, 8258), (295, 8282), (306, 8369), (318, 8426), (341, 8603), (347, 8645), (352, 8723), (353, 8726), (357, 8774), (363, 8819), (368, 8864), (371, 8903), (374, 8930), (377, 8945), (389, 9056), (391, 9077), (396, 9128), (406, 9182), (415, 9206), (416, 9209), (422, 9245), (425, 9254),

Gene: Skippy_9 Start: 6360, Stop: 8933, Start Num: 30

Candidate Starts for Skippy_9:

(22, 6231), (Start: 30 @6360 has 463 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (89, 6597), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Slatt_9 Start: 6362, Stop: 8935, Start Num: 30

Candidate Starts for Slatt_9:

(22, 6233), (Start: 30 @6362 has 463 MA's), (40, 6413), (42, 6425), (45, 6440), (Start: 50 @6464 has 1 MA's), (65, 6524), (71, 6545), (94, 6617), (101, 6647), (113, 6725), (Start: 114 @6740 has 1 MA's), (122, 6776), (128, 6791), (133, 6812), (158, 6932), (159, 6938), (160, 6941), (167, 6980), (179, 7052), (185, 7076), (186, 7085), (189, 7106), (200, 7151), (202, 7166), (211, 7214), (215, 7229), (231, 7454), (238, 7553), (243, 7598), (271, 7676), (276, 7703), (280, 7727), (292, 7811), (302, 7880), (320, 7985), (321, 7988), (328, 8027), (329, 8030), (334, 8099), (335, 8102), (340, 8135), (346, 8192), (350, 8255), (352, 8273), (357, 8324), (361, 8354), (368, 8414), (371, 8453), (375, 8486), (377, 8495), (380, 8531), (388, 8600), (395, 8669), (402, 8735),

Gene: SlippinJimmy_12 Start: 8970, Stop: 11402, Start Num: 30

Candidate Starts for SlippinJimmy_12:

(Start: 30 @8970 has 463 MA's), (Start: 49 @9069 has 2 MA's), (Start: 50 @9072 has 1 MA's), (62, 9117), (65, 9141), (66, 9144), (73, 9174), (77, 9189), (92, 9228), (105, 9279), (118, 9309), (132, 9339),

(140, 9366), (143, 9375), (155, 9438), (183, 9522), (185, 9528), (186, 9537), (187, 9540), (190, 9561), (202, 9618), (220, 9774), (223, 9834), (243, 10056), (271, 10152), (280, 10203), (288, 10254), (310, 10416), (320, 10473), (321, 10476), (323, 10485), (334, 10587), (346, 10680), (352, 10761), (380, 11019), (386, 11079), (389, 11094), (393, 11148), (405, 11232), (407, 11244), (425, 11313),

Gene: Soile_9 Start: 6359, Stop: 8932, Start Num: 30

Candidate Starts for Soile_9:

(22, 6230), (Start: 30 @6359 has 463 MA's), (40, 6410), (42, 6422), (45, 6437), (Start: 50 @6461 has 1 MA's), (65, 6521), (71, 6542), (94, 6614), (101, 6644), (113, 6722), (Start: 114 @6737 has 1 MA's), (122, 6773), (128, 6788), (133, 6809), (158, 6929), (159, 6935), (160, 6938), (167, 6977), (179, 7049), (185, 7073), (186, 7082), (189, 7103), (200, 7148), (202, 7163), (209, 7199), (211, 7211), (215, 7226), (231, 7451), (238, 7550), (243, 7595), (271, 7673), (276, 7700), (280, 7724), (292, 7808), (302, 7877), (313, 7955), (320, 7982), (321, 7985), (328, 8024), (329, 8027), (334, 8096), (335, 8099), (340, 8132), (346, 8189), (350, 8252), (352, 8270), (357, 8321), (361, 8351), (368, 8411), (371, 8450), (375, 8483), (377, 8492), (380, 8528), (395, 8666), (402, 8732),

Gene: Solosis_9 Start: 6360, Stop: 8933, Start Num: 30

Candidate Starts for Solosis_9:

(22, 6231), (Start: 30 @6360 has 463 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Soos_38 Start: 19390, Stop: 22173, Start Num: 30

Candidate Starts for Soos_38:

(21, 19228), (Start: 30 @19390 has 463 MA's), (32, 19399), (53, 19498), (68, 19558), (82, 19594), (84, 19597), (93, 19618), (103, 19657), (160, 19822), (162, 19834), (164, 19846), (187, 19915), (194, 19954), (225, 20218), (230, 20287), (235, 20344), (245, 20419), (274, 20494), (280, 20530), (296, 20653), (302, 20689), (312, 20755), (315, 20776), (320, 20833), (322, 20839), (327, 20863), (332, 20926), (344, 21025), (375, 21406), (376, 21409), (377, 21415), (383, 21496), (394, 21604), (401, 21673), (403, 21679), (413, 21718), (433, 21808), (445, 21895), (447, 22051), (448, 22072), (449, 22105), (450, 22138), (452, 22156),

Gene: Sophia_9 Start: 6360, Stop: 8933, Start Num: 30

Candidate Starts for Sophia_9:

(22, 6231), (Start: 30 @6360 has 463 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (209, 7200), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (313, 7956), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (395, 8667), (402, 8733),

Gene: Soto_9 Start: 6357, Stop: 8930, Start Num: 30

Candidate Starts for Soto_9:

(22, 6228), (Start: 30 @6357 has 463 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (179, 7047), (185, 7071),

(186, 7080), (189, 7101), (200, 7146), (202, 7161), (209, 7197), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (395, 8664), (402, 8730),

Gene: Sour_12 Start: 8784, Stop: 11189, Start Num: 30

Candidate Starts for Sour_12:

(Start: 30 @8784 has 463 MA's), (65, 8940), (76, 8988), (94, 9039), (126, 9105), (129, 9114), (146, 9186), (160, 9255), (181, 9300), (185, 9318), (190, 9351), (200, 9393), (202, 9408), (242, 9828), (262, 9909), (266, 9933), (271, 9972), (275, 9993), (280, 10023), (284, 10044), (287, 10068), (288, 10074), (292, 10107), (320, 10284), (333, 10392), (341, 10449), (347, 10491), (351, 10566), (352, 10569), (353, 10572), (357, 10620), (363, 10665), (366, 10707), (371, 10752), (374, 10779), (377, 10794), (384, 10881), (389, 10905), (391, 10926), (396, 10977), (404, 11013), (410, 11040), (416, 11055), (425, 11100), (430, 11121),

Gene: Spartan300_9 Start: 6357, Stop: 8930, Start Num: 30

Candidate Starts for Spartan300_9:

(22, 6228), (Start: 30 @6357 has 463 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (167, 6975), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (388, 8595), (395, 8664), (402, 8730),

Gene: Squid_9 Start: 6357, Stop: 8930, Start Num: 30

Candidate Starts for Squid_9:

(22, 6228), (Start: 30 @6357 has 463 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (388, 8595), (395, 8664), (402, 8730),

Gene: Squiggle_9 Start: 6360, Stop: 8933, Start Num: 30

Candidate Starts for Squiggle_9:

(22, 6231), (Start: 30 @6360 has 463 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Stillion_41 Start: 19975, Stop: 22758, Start Num: 30

Candidate Starts for Stillion_41:

(21, 19813), (Start: 30 @19975 has 463 MA's), (32, 19984), (53, 20083), (68, 20143), (82, 20179), (84, 20182), (93, 20203), (103, 20242), (160, 20407), (162, 20419), (164, 20431), (183, 20482), (187,

20500), (194, 20539), (225, 20803), (230, 20872), (235, 20929), (245, 21004), (274, 21079), (280, 21115), (296, 21238), (302, 21274), (312, 21340), (315, 21361), (320, 21418), (322, 21424), (327, 21448), (332, 21511), (344, 21610), (375, 21991), (376, 21994), (377, 22000), (383, 22081), (394, 22189), (401, 22258), (403, 22264), (413, 22303), (445, 22480), (447, 22636), (448, 22657), (449, 22690), (450, 22723), (452, 22741),

Gene: Sting_41 Start: 19829, Stop: 22612, Start Num: 30

Candidate Starts for Sting_41:

(21, 19667), (Start: 30 @19829 has 463 MA's), (32, 19838), (53, 19937), (68, 19997), (82, 20033), (84, 20036), (93, 20057), (103, 20096), (160, 20261), (162, 20273), (164, 20285), (183, 20336), (187, 20354), (194, 20393), (225, 20657), (230, 20726), (235, 20783), (245, 20858), (274, 20933), (280, 20969), (296, 21092), (302, 21128), (312, 21194), (315, 21215), (320, 21272), (322, 21278), (327, 21302), (332, 21365), (344, 21464), (375, 21845), (376, 21848), (377, 21854), (383, 21935), (394, 22043), (401, 22112), (403, 22118), (413, 22157), (433, 22247), (445, 22334), (447, 22490), (448, 22511), (449, 22544), (450, 22577), (452, 22595),

Gene: Stinger_8 Start: 7080, Stop: 9575, Start Num: 30

Candidate Starts for Stinger_8:

(Start: 28 @7074 has 1 MA's), (Start: 30 @7080 has 463 MA's), (39, 7122), (44, 7155), (53, 7191), (63, 7245), (76, 7308), (81, 7323), (85, 7332), (89, 7341), (94, 7359), (95, 7368), (101, 7380), (106, 7395), (143, 7497), (145, 7506), (152, 7539), (155, 7560), (157, 7569), (159, 7578), (160, 7581), (164, 7605), (165, 7614), (167, 7620), (171, 7644), (174, 7662), (176, 7668), (178, 7677), (186, 7713), (192, 7746), (202, 7794), (203, 7797), (209, 7824), (211, 7836), (231, 8076), (243, 8211), (265, 8289), (271, 8343), (276, 8370), (279, 8391), (280, 8394), (287, 8439), (290, 8463), (295, 8499), (307, 8589), (317, 8637), (320, 8655), (326, 8682), (328, 8697), (329, 8700), (330, 8727), (335, 8772), (340, 8805), (346, 8862), (351, 8937), (352, 8940), (355, 8970), (361, 9021), (363, 9036), (364, 9063), (367, 9075), (371, 9120), (377, 9162), (380, 9198), (382, 9216), (386, 9258), (389, 9273), (391, 9294), (395, 9336), (410, 9417), (415, 9429), (434, 9510), (436, 9531),

Gene: StinkyVeggy_12 Start: 8728, Stop: 11235, Start Num: 30

Candidate Starts for StinkyVeggy_12:

(Start: 29 @8725 has 2 MA's), (Start: 30 @8728 has 463 MA's), (41, 8782), (45, 8806), (53, 8839), (63, 8875), (112, 9049), (124, 9064), (129, 9076), (135, 9097), (143, 9127), (164, 9235), (178, 9298), (179, 9301), (185, 9325), (186, 9334), (187, 9337), (190, 9358), (211, 9463), (226, 9652), (243, 9835), (266, 9961), (270, 9979), (271, 10000), (280, 10051), (281, 10057), (292, 10144), (317, 10303), (320, 10321), (329, 10366), (334, 10435), (340, 10471), (341, 10486), (346, 10528), (352, 10609), (364, 10732), (371, 10789), (372, 10795), (373, 10810), (380, 10867), (392, 10984), (410, 11083),

Gene: Struggle_9 Start: 6357, Stop: 8933, Start Num: 30

Candidate Starts for Struggle_9:

(Start: 30 @6357 has 463 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (209, 7197), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (313, 7953), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (394, 8661), (395, 8664), (402, 8730),

Gene: Suffolk_9 Start: 6359, Stop: 8932, Start Num: 30

Candidate Starts for Suffolk_9:

(22, 6230), (Start: 30 @6359 has 463 MA's), (40, 6410), (42, 6422), (45, 6437), (Start: 50 @6461 has 1 MA's), (65, 6521), (71, 6542), (94, 6614), (101, 6644), (113, 6722), (Start: 114 @6737 has 1 MA's),

(122, 6773), (128, 6788), (133, 6809), (158, 6929), (159, 6935), (160, 6938), (179, 7049), (185, 7073), (186, 7082), (189, 7103), (200, 7148), (202, 7163), (211, 7211), (215, 7226), (231, 7451), (238, 7550), (243, 7595), (271, 7673), (276, 7700), (280, 7724), (292, 7808), (302, 7877), (320, 7982), (321, 7985), (328, 8024), (329, 8027), (334, 8096), (335, 8099), (340, 8132), (346, 8189), (350, 8252), (352, 8270), (357, 8321), (361, 8351), (368, 8411), (371, 8450), (375, 8483), (377, 8492), (380, 8528), (388, 8597), (395, 8666), (402, 8732),

Gene: Suigeneris_11 Start: 8560, Stop: 11070, Start Num: 30

Candidate Starts for Suigeneris_11:

(Start: 29 @8557 has 2 MA's), (Start: 30 @8560 has 463 MA's), (41, 8614), (45, 8638), (53, 8671), (61, 8692), (63, 8707), (112, 8881), (124, 8896), (129, 8908), (135, 8929), (143, 8959), (160, 9043), (164, 9067), (185, 9157), (186, 9166), (187, 9169), (190, 9190), (243, 9667), (266, 9796), (270, 9814), (271, 9835), (280, 9886), (281, 9892), (292, 9979), (317, 10138), (320, 10156), (329, 10201), (340, 10306), (341, 10321), (346, 10363), (352, 10444), (361, 10525), (364, 10567), (371, 10624), (372, 10630), (377, 10666), (380, 10702), (386, 10762), (393, 10831), (410, 10918),

Gene: Surely_9 Start: 6360, Stop: 8933, Start Num: 30

Candidate Starts for Surely_9:

(22, 6231), (Start: 30 @6360 has 463 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: SwainyDoc_12 Start: 8206, Stop: 10638, Start Num: 30

Candidate Starts for SwainyDoc_12:

(Start: 30 @8206 has 463 MA's), (Start: 49 @8305 has 2 MA's), (Start: 50 @8308 has 1 MA's), (62, 8353), (65, 8377), (66, 8380), (73, 8410), (77, 8425), (92, 8464), (105, 8515), (118, 8545), (132, 8575), (140, 8602), (143, 8611), (155, 8674), (183, 8758), (185, 8764), (186, 8773), (187, 8776), (190, 8797), (202, 8854), (220, 9010), (223, 9070), (243, 9292), (271, 9388), (280, 9439), (288, 9490), (310, 9652), (320, 9709), (321, 9712), (323, 9721), (334, 9823), (346, 9916), (352, 9997), (380, 10255), (386, 10315), (389, 10330), (393, 10384), (405, 10468), (407, 10480), (425, 10549),

Gene: Swiphy_9 Start: 6360, Stop: 8933, Start Num: 30

Candidate Starts for Swiphy_9:

(22, 6231), (Start: 30 @6360 has 463 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (209, 7200), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (313, 7956), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Swish_9 Start: 6463, Stop: 8934, Start Num: 50

Candidate Starts for Swish_9:

(22, 6232), (Start: 30 @6361 has 463 MA's), (40, 6412), (42, 6424), (45, 6439), (Start: 50 @6463 has 1 MA's), (65, 6523), (71, 6544), (94, 6616), (101, 6646), (113, 6724), (Start: 114 @6739 has 1 MA's), (122, 6775), (128, 6790), (133, 6811), (158, 6931), (159, 6937), (160, 6940), (179, 7051), (185, 7075), (186, 7084), (189, 7105), (200, 7150), (202, 7165), (211, 7213), (215, 7228), (231, 7453), (238, 7552),

(243, 7597), (271, 7675), (276, 7702), (280, 7726), (292, 7810), (302, 7879), (320, 7984), (321, 7987), (328, 8026), (329, 8029), (334, 8098), (335, 8101), (340, 8134), (346, 8191), (350, 8254), (352, 8272), (357, 8323), (361, 8353), (368, 8413), (371, 8452), (375, 8485), (377, 8494), (380, 8530), (388, 8599), (395, 8668), (402, 8734),

Gene: SynergyX_12 Start: 8209, Stop: 10641, Start Num: 30

Candidate Starts for SynergyX_12:

(Start: 30 @8209 has 463 MA's), (Start: 49 @8308 has 2 MA's), (Start: 50 @8311 has 1 MA's), (62, 8356), (65, 8380), (66, 8383), (77, 8428), (92, 8467), (105, 8518), (118, 8548), (132, 8578), (140, 8605), (142, 8611), (155, 8677), (183, 8761), (185, 8767), (186, 8776), (187, 8779), (190, 8800), (202, 8857), (220, 9013), (223, 9073), (243, 9295), (271, 9391), (280, 9442), (288, 9493), (310, 9655), (320, 9712), (321, 9715), (323, 9724), (334, 9826), (346, 9919), (352, 10000), (380, 10258), (386, 10318), (389, 10333), (393, 10387), (405, 10471), (407, 10483), (425, 10552),

Gene: TA17A_13 Start: 9617, Stop: 12064, Start Num: 30

Candidate Starts for TA17A_13:

(Start: 30 @9617 has 463 MA's), (41, 9671), (54, 9731), (76, 9824), (78, 9830), (84, 9845), (91, 9866), (96, 9896), (116, 9977), (117, 9980), (120, 9989), (131, 10016), (137, 10043), (157, 10115), (160, 10127), (164, 10145), (167, 10151), (178, 10214), (190, 10259), (200, 10301), (205, 10331), (222, 10502), (223, 10523), (224, 10529), (231, 10601), (236, 10664), (241, 10742), (244, 10748), (266, 10799), (271, 10838), (275, 10859), (276, 10865), (280, 10889), (288, 10940), (289, 10943), (292, 10973), (302, 11042), (303, 11057), (307, 11084), (314, 11126), (323, 11171), (324, 11174), (329, 11204), (333, 11267), (334, 11273), (335, 11276), (338, 11288), (348, 11384), (350, 11426), (357, 11495), (364, 11573), (370, 11627), (377, 11672), (378, 11675), (379, 11702), (386, 11768), (389, 11783), (391, 11804), (394, 11843), (404, 11897), (410, 11924), (415, 11936), (427, 11984),

Gene: TPA2_18 Start: 9791, Stop: 12169, Start Num: 27

Candidate Starts for TPA2_18:

(27, 9791), (Start: 30 @9797 has 463 MA's), (34, 9818), (42, 9860), (45, 9875), (83, 10028), (123, 10124), (138, 10166), (143, 10187), (157, 10259), (160, 10271), (184, 10328), (201, 10409), (202, 10421), (216, 10532), (236, 10775), (239, 10811), (245, 10844), (258, 10871), (268, 10928), (271, 10958), (280, 11009), (311, 11225), (329, 11315), (333, 11378), (335, 11387), (336, 11399), (347, 11486), (371, 11744), (374, 11771), (386, 11882), (395, 11960), (409, 12032), (412, 12041), (418, 12056), (434, 12131),

Gene: TallGrassMM_9 Start: 6360, Stop: 8933, Start Num: 30

Candidate Starts for TallGrassMM_9:

(22, 6231), (Start: 30 @6360 has 463 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Taraxa_10 Start: 6773, Stop: 8947, Start Num: 122

Candidate Starts for Taraxa_10:

(22, 6230), (Start: 30 @6359 has 463 MA's), (40, 6410), (42, 6422), (45, 6437), (Start: 50 @6461 has 1 MA's), (65, 6521), (71, 6542), (94, 6614), (101, 6644), (113, 6722), (Start: 114 @6737 has 1 MA's), (122, 6773), (128, 6788), (133, 6809), (158, 6929), (159, 6935), (160, 6938), (167, 6977), (179, 7049), (185, 7073), (186, 7082), (189, 7103), (200, 7148), (202, 7163), (209, 7199), (211, 7211), (215, 7226), (231, 7451), (238, 7550), (243, 7595), (271, 7673), (276, 7700), (280, 7724), (292, 7808), (302, 7877),

(313, 7955), (320, 7982), (321, 7985), (328, 8024), (329, 8027), (334, 8096), (335, 8099), (340, 8132), (346, 8189), (350, 8252), (352, 8270), (357, 8321), (361, 8351), (368, 8411), (371, 8450), (375, 8483), (377, 8492), (380, 8528), (395, 8666), (402, 8732),

Gene: Telesworld_9 Start: 6360, Stop: 8933, Start Num: 30

Candidate Starts for Telesworld_9:

(22, 6231), (Start: 30 @6360 has 463 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Thonko_8 Start: 5618, Stop: 8053, Start Num: 30

Candidate Starts for Thonko_8:

(Start: 30 @5618 has 463 MA's), (Start: 50 @5720 has 1 MA's), (53, 5729), (54, 5732), (66, 5783), (122, 5942), (138, 5987), (155, 6071), (160, 6092), (164, 6116), (179, 6179), (186, 6209), (190, 6233), (192, 6242), (200, 6275), (205, 6305), (209, 6323), (211, 6335), (217, 6404), (220, 6437), (222, 6476), (224, 6503), (231, 6575), (236, 6638), (251, 6719), (271, 6824), (275, 6845), (280, 6875), (292, 6959), (317, 7118), (321, 7139), (326, 7163), (335, 7253), (346, 7343), (352, 7424), (357, 7475), (371, 7604), (380, 7682), (389, 7757), (404, 7871), (411, 7901), (444, 8048),

Gene: Thora_9 Start: 6357, Stop: 8930, Start Num: 30

Candidate Starts for Thora_9:

(22, 6228), (Start: 30 @6357 has 463 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (167, 6975), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (388, 8595), (395, 8664), (402, 8730),

Gene: ThreeOh3D2_9 Start: 6358, Stop: 8931, Start Num: 30

Candidate Starts for ThreeOh3D2_9:

(22, 6229), (Start: 30 @6358 has 463 MA's), (40, 6409), (42, 6421), (45, 6436), (Start: 50 @6460 has 1 MA's), (65, 6520), (71, 6541), (89, 6595), (94, 6613), (101, 6643), (113, 6721), (Start: 114 @6736 has 1 MA's), (122, 6772), (128, 6787), (133, 6808), (158, 6928), (159, 6934), (160, 6937), (167, 6976), (179, 7048), (185, 7072), (186, 7081), (189, 7102), (200, 7147), (202, 7162), (211, 7210), (215, 7225), (231, 7450), (238, 7549), (243, 7594), (271, 7672), (276, 7699), (280, 7723), (292, 7807), (302, 7876), (320, 7981), (321, 7984), (328, 8023), (329, 8026), (334, 8095), (335, 8098), (340, 8131), (346, 8188), (350, 8251), (352, 8269), (357, 8320), (361, 8350), (368, 8410), (371, 8449), (375, 8482), (377, 8491), (380, 8527), (388, 8596), (395, 8665), (402, 8731),

Gene: Thunderbird_9 Start: 6359, Stop: 8932, Start Num: 30

Candidate Starts for Thunderbird_9:

(22, 6230), (Start: 30 @6359 has 463 MA's), (40, 6410), (42, 6422), (45, 6437), (Start: 50 @6461 has 1 MA's), (65, 6521), (71, 6542), (94, 6614), (101, 6644), (113, 6722), (Start: 114 @6737 has 1 MA's), (122, 6773), (128, 6788), (133, 6809), (158, 6929), (159, 6935), (160, 6938), (167, 6977), (179, 7049), (185, 7073), (186, 7082), (189, 7103), (200, 7148), (202, 7163), (209, 7199), (211, 7211), (215, 7226), (231, 7451), (238, 7550), (243, 7595), (271, 7673), (276, 7700), (280, 7724), (292, 7808), (302, 7877),

(313, 7955), (320, 7982), (321, 7985), (328, 8024), (329, 8027), (334, 8096), (335, 8099), (340, 8132), (346, 8189), (350, 8252), (352, 8270), (357, 8321), (361, 8351), (368, 8411), (371, 8450), (375, 8483), (377, 8492), (380, 8528), (395, 8666), (402, 8732),

Gene: Timmi_9 Start: 6360, Stop: 8933, Start Num: 30

Candidate Starts for Timmi_9:

(22, 6231), (Start: 30 @6360 has 463 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Tinciduntolum_14 Start: 9733, Stop: 12180, Start Num: 30

Candidate Starts for Tinciduntolum_14:

(Start: 30 @9733 has 463 MA's), (41, 9787), (54, 9847), (76, 9940), (78, 9946), (84, 9961), (91, 9982), (96, 10012), (116, 10093), (117, 10096), (120, 10105), (131, 10132), (137, 10159), (157, 10231), (160, 10243), (164, 10261), (167, 10267), (178, 10330), (190, 10375), (200, 10417), (205, 10447), (222, 10618), (223, 10639), (224, 10645), (231, 10717), (236, 10780), (241, 10858), (244, 10864), (266, 10915), (271, 10954), (275, 10975), (276, 10981), (280, 11005), (288, 11056), (289, 11059), (292, 11089), (300, 11146), (302, 11158), (303, 11173), (307, 11200), (314, 11242), (323, 11287), (324, 11290), (329, 11320), (333, 11383), (334, 11389), (335, 11392), (338, 11404), (348, 11500), (350, 11542), (357, 11611), (364, 11689), (370, 11743), (377, 11788), (378, 11791), (379, 11818), (386, 11884), (389, 11899), (391, 11920), (394, 11959), (404, 12013), (410, 12040), (415, 12052), (427, 12100),

Gene: TinyTerror_12 Start: 8211, Stop: 10643, Start Num: 30

Candidate Starts for TinyTerror_12:

(Start: 30 @8211 has 463 MA's), (Start: 49 @8310 has 2 MA's), (Start: 50 @8313 has 1 MA's), (62, 8358), (65, 8382), (66, 8385), (73, 8415), (77, 8430), (92, 8469), (105, 8520), (118, 8550), (132, 8580), (140, 8607), (143, 8616), (155, 8679), (183, 8763), (185, 8769), (186, 8778), (187, 8781), (190, 8802), (202, 8859), (220, 9015), (223, 9075), (226, 9102), (243, 9297), (271, 9393), (280, 9444), (288, 9495), (310, 9657), (320, 9714), (321, 9717), (323, 9726), (334, 9828), (346, 9921), (352, 10002), (380, 10260), (386, 10320), (389, 10335), (393, 10389), (405, 10473), (407, 10485), (425, 10554),

Gene: TomBombadil_9 Start: 6360, Stop: 8933, Start Num: 30

Candidate Starts for TomBombadil_9:

(22, 6231), (Start: 30 @6360 has 463 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (89, 6597), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (209, 7200), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Tomlarah_9 Start: 6360, Stop: 8933, Start Num: 30

Candidate Starts for Tomlarah_9:

(22, 6231), (Start: 30 @6360 has 463 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050),

(185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Toni_9 Start: 6361, Stop: 8934, Start Num: 30

Candidate Starts for Toni_9:

(22, 6232), (Start: 30 @6361 has 463 MA's), (40, 6412), (42, 6424), (45, 6439), (Start: 50 @6463 has 1 MA's), (65, 6523), (71, 6544), (94, 6616), (101, 6646), (113, 6724), (Start: 114 @6739 has 1 MA's), (122, 6775), (128, 6790), (133, 6811), (158, 6931), (159, 6937), (160, 6940), (179, 7051), (185, 7075), (186, 7084), (189, 7105), (200, 7150), (202, 7165), (211, 7213), (215, 7228), (231, 7453), (238, 7552), (243, 7597), (271, 7675), (276, 7702), (280, 7726), (292, 7810), (302, 7879), (320, 7984), (321, 7987), (328, 8026), (329, 8029), (334, 8098), (335, 8101), (340, 8134), (346, 8191), (350, 8254), (352, 8272), (357, 8323), (361, 8353), (368, 8413), (371, 8452), (375, 8485), (377, 8494), (380, 8530), (388, 8599), (395, 8668), (402, 8734),

Gene: Tonitrus_27 Start: 16328, Stop: 18733, Start Num: 26

Candidate Starts for Tonitrus_27:

(Start: 26 @16328 has 1 MA's), (Start: 35 @16367 has 1 MA's), (48, 16436), (Start: 49 @16439 has 2 MA's), (53, 16451), (64, 16487), (67, 16511), (78, 16541), (84, 16556), (93, 16577), (97, 16598), (103, 16616), (143, 16718), (144, 16727), (150, 16751), (155, 16781), (156, 16784), (160, 16802), (183, 16877), (208, 17000), (209, 17012), (211, 17024), (214, 17030), (215, 17039), (218, 17111), (225, 17195), (230, 17264), (233, 17309), (243, 17405), (282, 17540), (286, 17567), (290, 17597), (295, 17630), (297, 17651), (304, 17711), (305, 17714), (307, 17723), (313, 17762), (316, 17777), (320, 17798), (325, 17819), (327, 17828), (343, 17984), (348, 18044), (354, 18128), (360, 18182), (365, 18236), (371, 18287), (375, 18320), (389, 18440), (391, 18461), (395, 18506), (398, 18533), (414, 18614), (420, 18641), (426, 18665),

Gene: TooFast2Furius_10 Start: 6595, Stop: 9168, Start Num: 30

Candidate Starts for TooFast2Furius_10:

(22, 6466), (Start: 30 @6595 has 463 MA's), (40, 6646), (42, 6658), (45, 6673), (Start: 50 @6697 has 1 MA's), (65, 6757), (71, 6778), (94, 6850), (101, 6880), (113, 6958), (Start: 114 @6973 has 1 MA's), (122, 7009), (128, 7024), (133, 7045), (158, 7165), (159, 7171), (160, 7174), (179, 7285), (185, 7309), (186, 7318), (189, 7339), (200, 7384), (202, 7399), (211, 7447), (215, 7462), (231, 7687), (238, 7786), (243, 7831), (271, 7909), (276, 7936), (280, 7960), (292, 8044), (302, 8113), (320, 8218), (321, 8221), (328, 8260), (329, 8263), (334, 8332), (335, 8335), (340, 8368), (346, 8425), (350, 8488), (352, 8506), (357, 8557), (361, 8587), (368, 8647), (371, 8686), (375, 8719), (377, 8728), (380, 8764), (388, 8833), (395, 8902), (402, 8968),

Gene: Tooj_9 Start: 6358, Stop: 8931, Start Num: 30

Candidate Starts for Tooj_9:

(22, 6229), (Start: 30 @6358 has 463 MA's), (40, 6409), (42, 6421), (45, 6436), (Start: 50 @6460 has 1 MA's), (65, 6520), (71, 6541), (94, 6613), (101, 6643), (113, 6721), (Start: 114 @6736 has 1 MA's), (122, 6772), (128, 6787), (133, 6808), (158, 6928), (159, 6934), (160, 6937), (179, 7048), (185, 7072), (186, 7081), (189, 7102), (200, 7147), (202, 7162), (211, 7210), (215, 7225), (231, 7450), (238, 7549), (243, 7594), (271, 7672), (276, 7699), (280, 7723), (292, 7807), (302, 7876), (320, 7981), (321, 7984), (328, 8023), (329, 8026), (334, 8095), (335, 8098), (340, 8131), (346, 8188), (350, 8251), (352, 8269), (357, 8320), (361, 8350), (368, 8410), (371, 8449), (375, 8482), (377, 8491), (380, 8527), (388, 8596), (395, 8665), (402, 8731),

Gene: TraderJ_11 Start: 8614, Stop: 11025, Start Num: 30

Candidate Starts for TraderJ_11:

(Start: 30 @8614 has 463 MA's), (41, 8662), (73, 8809), (129, 8956), (137, 8989), (138, 8995), (143, 9016), (160, 9100), (166, 9133), (182, 9148), (183, 9154), (202, 9250), (224, 9463), (243, 9670), (253, 9697), (266, 9769), (267, 9772), (268, 9778), (271, 9808), (277, 9844), (280, 9859), (284, 9880), (287, 9904), (288, 9910), (292, 9943), (295, 9964), (318, 10108), (320, 10120), (348, 10348), (350, 10390), (357, 10459), (363, 10504), (371, 10588), (377, 10630), (381, 10672), (410, 10876), (423, 10930),

Gene: Tres_13 Start: 9617, Stop: 12064, Start Num: 30

Candidate Starts for Tres_13:

(Start: 30 @9617 has 463 MA's), (41, 9671), (54, 9731), (76, 9824), (78, 9830), (84, 9845), (91, 9866), (96, 9896), (116, 9977), (117, 9980), (120, 9989), (131, 10016), (137, 10043), (157, 10115), (160, 10127), (164, 10145), (167, 10151), (178, 10214), (190, 10259), (200, 10301), (205, 10331), (222, 10502), (223, 10523), (224, 10529), (231, 10601), (236, 10664), (241, 10742), (244, 10748), (266, 10799), (271, 10838), (275, 10859), (276, 10865), (280, 10889), (288, 10940), (289, 10943), (292, 10973), (300, 11030), (302, 11042), (303, 11057), (307, 11084), (314, 11126), (323, 11171), (324, 11174), (329, 11204), (333, 11267), (334, 11273), (335, 11276), (338, 11288), (348, 11384), (350, 11426), (357, 11495), (364, 11573), (370, 11627), (377, 11672), (378, 11675), (379, 11702), (386, 11768), (389, 11783), (391, 11804), (394, 11843), (404, 11897), (410, 11924), (415, 11936), (427, 11984),

Gene: Triad_10 Start: 6723, Stop: 8930, Start Num: 113

Candidate Starts for Triad_10:

(22, 6231), (Start: 30 @6360 has 463 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: True_9 Start: 6358, Stop: 8931, Start Num: 30

Candidate Starts for True_9:

(22, 6229), (Start: 30 @6358 has 463 MA's), (40, 6409), (42, 6421), (45, 6436), (Start: 50 @6460 has 1 MA's), (65, 6520), (71, 6541), (89, 6595), (94, 6613), (101, 6643), (113, 6721), (Start: 114 @6736 has 1 MA's), (122, 6772), (128, 6787), (133, 6808), (158, 6928), (159, 6934), (160, 6937), (167, 6976), (179, 7048), (185, 7072), (186, 7081), (189, 7102), (200, 7147), (202, 7162), (211, 7210), (215, 7225), (231, 7450), (238, 7549), (243, 7594), (271, 7672), (276, 7699), (280, 7723), (292, 7807), (302, 7876), (320, 7981), (321, 7984), (328, 8023), (329, 8026), (334, 8095), (335, 8098), (340, 8131), (346, 8188), (350, 8251), (352, 8269), (357, 8320), (361, 8350), (368, 8410), (371, 8449), (375, 8482), (377, 8491), (380, 8527), (388, 8596), (395, 8665), (402, 8731),

Gene: Trypo_9 Start: 6357, Stop: 8930, Start Num: 30

Candidate Starts for Trypo_9:

(22, 6228), (Start: 30 @6357 has 463 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (159, 6933), (160, 6936), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (209, 7197), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (395, 8664), (402, 8730),

Gene: Tydolla_12 Start: 8970, Stop: 11402, Start Num: 30

Candidate Starts for Tydolla_12:

(Start: 30 @8970 has 463 MA's), (Start: 49 @9069 has 2 MA's), (Start: 50 @9072 has 1 MA's), (62, 9117), (65, 9141), (66, 9144), (77, 9189), (92, 9228), (105, 9279), (118, 9309), (132, 9339), (140, 9366), (142, 9372), (155, 9438), (183, 9522), (185, 9528), (186, 9537), (187, 9540), (190, 9561), (202, 9618), (220, 9774), (223, 9834), (243, 10056), (271, 10152), (280, 10203), (288, 10254), (310, 10416), (320, 10473), (321, 10476), (323, 10485), (334, 10587), (346, 10680), (352, 10761), (380, 11019), (386, 11079), (389, 11094), (393, 11148), (405, 11232), (407, 11244), (425, 11313),

Gene: TyrionL_9 Start: 6357, Stop: 8939, Start Num: 30

Candidate Starts for TyrionL_9:

(Start: 30 @6357 has 463 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (209, 7197), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (313, 7953), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (394, 8661), (395, 8664), (402, 8730),

Gene: UACh1_9 Start: 6360, Stop: 8933, Start Num: 30

Candidate Starts for UACh1_9:

(22, 6231), (Start: 30 @6360 has 463 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: UncleHowie_9 Start: 6360, Stop: 8933, Start Num: 30

Candidate Starts for UncleHowie_9:

(22, 6231), (Start: 30 @6360 has 463 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (395, 8667), (402, 8733),

Gene: Usavi_9 Start: 6357, Stop: 8930, Start Num: 30

Candidate Starts for Usavi_9:

(22, 6228), (Start: 30 @6357 has 463 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (89, 6594), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (167, 6975), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (388, 8595), (395, 8664), (402, 8730),

Gene: Vaishali24_9 Start: 6361, Stop: 8934, Start Num: 30

Candidate Starts for Vaishali24_9:

(22, 6232), (Start: 30 @6361 has 463 MA's), (40, 6412), (42, 6424), (45, 6439), (Start: 50 @6463 has 1 MA's), (65, 6523), (71, 6544), (94, 6616), (101, 6646), (113, 6724), (Start: 114 @6739 has 1 MA's), (122, 6775), (128, 6790), (133, 6811), (158, 6931), (159, 6937), (160, 6940), (179, 7051), (185, 7075), (186, 7084), (189, 7105), (200, 7150), (202, 7165), (211, 7213), (215, 7228), (231, 7453), (238, 7552), (243, 7597), (271, 7675), (276, 7702), (280, 7726), (292, 7810), (302, 7879), (320, 7984), (321, 7987), (328, 8026), (329, 8029), (334, 8098), (335, 8101), (340, 8134), (346, 8191), (350, 8254), (352, 8272), (357, 8323), (361, 8353), (368, 8413), (371, 8452), (375, 8485), (377, 8494), (380, 8530), (388, 8599), (395, 8668), (402, 8734),

Gene: Valjean_9 Start: 6360, Stop: 8933, Start Num: 30

Candidate Starts for Valjean_9:

(22, 6231), (Start: 30 @6360 has 463 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Vaticameos_9 Start: 6357, Stop: 8930, Start Num: 30

Candidate Starts for Vaticameos_9:

(22, 6228), (Start: 30 @6357 has 463 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (167, 6975), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (388, 8595), (395, 8664), (402, 8730),

Gene: Vectra_9 Start: 6359, Stop: 8935, Start Num: 30

Candidate Starts for Vectra_9:

(22, 6230), (Start: 30 @6359 has 463 MA's), (40, 6410), (42, 6422), (45, 6437), (Start: 50 @6461 has 1 MA's), (65, 6521), (71, 6542), (94, 6614), (101, 6644), (113, 6722), (Start: 114 @6737 has 1 MA's), (122, 6773), (128, 6788), (133, 6809), (158, 6929), (159, 6935), (160, 6938), (167, 6977), (179, 7049), (185, 7073), (186, 7082), (189, 7103), (200, 7148), (202, 7163), (209, 7199), (211, 7211), (215, 7226), (231, 7451), (238, 7550), (243, 7595), (271, 7673), (276, 7700), (280, 7724), (292, 7808), (302, 7877), (313, 7955), (320, 7982), (321, 7985), (328, 8024), (329, 8027), (334, 8096), (335, 8099), (340, 8132), (346, 8189), (350, 8252), (352, 8270), (357, 8321), (361, 8351), (368, 8411), (371, 8450), (375, 8483), (377, 8492), (380, 8528), (394, 8663), (395, 8666), (402, 8732),

Gene: Veritas_9 Start: 6357, Stop: 8927, Start Num: 30

Candidate Starts for Veritas_9:

(Start: 30 @6357 has 463 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (209, 7197), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (313, 7953), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (394, 8661), (395, 8664), (402, 8730),

Gene: Vic9_00013 Start: 10060, Stop: 12507, Start Num: 30

Candidate Starts for Vic9_00013:

(Start: 30 @10060 has 463 MA's), (41, 10114), (54, 10174), (76, 10267), (78, 10273), (84, 10288), (91, 10309), (96, 10339), (116, 10420), (117, 10423), (120, 10432), (131, 10459), (137, 10486), (157, 10558), (160, 10570), (164, 10588), (167, 10594), (178, 10657), (190, 10702), (200, 10744), (205, 10774), (222, 10945), (223, 10966), (224, 10972), (231, 11044), (236, 11107), (241, 11185), (244, 11191), (266, 11242), (271, 11281), (276, 11308), (280, 11332), (288, 11383), (289, 11386), (292, 11416), (302, 11485), (303, 11500), (307, 11527), (314, 11569), (323, 11614), (324, 11617), (329, 11647), (333, 11710), (334, 11716), (335, 11719), (338, 11731), (348, 11827), (350, 11869), (357, 11938), (364, 12016), (377, 12115), (378, 12118), (379, 12145), (386, 12211), (389, 12226), (391, 12247), (394, 12286), (404, 12340), (410, 12367), (415, 12379), (427, 12427),

Gene: Vincenzo_11 Start: 9351, Stop: 11855, Start Num: 28

Candidate Starts for Vincenzo_11:

(Start: 28 @9351 has 1 MA's), (Start: 30 @9357 has 463 MA's), (39, 9399), (63, 9522), (81, 9600), (89, 9618), (94, 9636), (95, 9645), (140, 9765), (145, 9783), (152, 9816), (155, 9837), (159, 9855), (160, 9858), (164, 9882), (167, 9897), (171, 9921), (172, 9927), (174, 9939), (180, 9960), (186, 9990), (202, 10071), (203, 10074), (222, 10254), (231, 10353), (243, 10488), (270, 10599), (271, 10620), (276, 10647), (279, 10668), (280, 10671), (292, 10755), (306, 10863), (317, 10914), (320, 10932), (328, 10974), (329, 10977), (330, 11004), (346, 11139), (351, 11217), (352, 11220), (357, 11271), (361, 11301), (377, 11442), (391, 11574), (392, 11595), (394, 11613), (395, 11616), (404, 11667), (410, 11694), (424, 11751),

Gene: VioletZ_10 Start: 8637, Stop: 11144, Start Num: 30

Candidate Starts for VioletZ_10:

(Start: 30 @8637 has 463 MA's), (39, 8679), (44, 8712), (63, 8802), (76, 8865), (81, 8880), (85, 8889), (89, 8898), (94, 8916), (95, 8925), (101, 8937), (122, 8988), (124, 8991), (143, 9054), (145, 9063), (152, 9096), (155, 9117), (156, 9120), (157, 9126), (159, 9135), (160, 9138), (164, 9162), (169, 9186), (171, 9201), (174, 9219), (176, 9225), (186, 9270), (192, 9303), (202, 9351), (203, 9354), (211, 9393), (226, 9582), (243, 9768), (271, 9909), (276, 9936), (279, 9957), (280, 9960), (287, 10005), (290, 10029), (302, 10113), (317, 10203), (320, 10221), (328, 10263), (330, 10293), (335, 10338), (340, 10371), (341, 10386), (346, 10428), (348, 10449), (351, 10506), (352, 10509), (355, 10539), (357, 10560), (361, 10590), (363, 10605), (364, 10632), (371, 10689), (372, 10695), (377, 10731), (380, 10767), (386, 10827), (389, 10842), (394, 10902), (395, 10905), (410, 10986), (415, 10998), (434, 11079), (436, 11100),

Gene: Virapocalypse_9 Start: 6358, Stop: 8931, Start Num: 30

Candidate Starts for Virapocalypse_9:

(22, 6229), (Start: 30 @6358 has 463 MA's), (40, 6409), (42, 6421), (45, 6436), (Start: 50 @6460 has 1 MA's), (65, 6520), (71, 6541), (94, 6613), (101, 6643), (113, 6721), (Start: 114 @6736 has 1 MA's), (122, 6772), (128, 6787), (133, 6808), (158, 6928), (159, 6934), (160, 6937), (167, 6976), (179, 7048), (185, 7072), (186, 7081), (189, 7102), (200, 7147), (202, 7162), (211, 7210), (215, 7225), (231, 7450), (238, 7549), (243, 7594), (271, 7672), (276, 7699), (280, 7723), (292, 7807), (302, 7876), (320, 7981), (321, 7984), (328, 8023), (329, 8026), (334, 8095), (335, 8098), (340, 8131), (346, 8188), (350, 8251), (352, 8269), (357, 8320), (361, 8350), (368, 8410), (371, 8449), (375, 8482), (377, 8491), (380, 8527), (388, 8596), (395, 8665), (402, 8731),

Gene: Virgeve_9 Start: 6360, Stop: 8933, Start Num: 30

Candidate Starts for Virgeve_9:

(22, 6231), (Start: 30 @6360 has 463 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050),

(185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (209, 7200), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (313, 7956), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (395, 8667), (402, 8733),

Gene: Vista_9 Start: 6360, Stop: 8933, Start Num: 30

Candidate Starts for Vista_9:

(22, 6231), (Start: 30 @6360 has 463 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (209, 7200), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (313, 7956), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (395, 8667), (402, 8733),

Gene: Vivaldi_9 Start: 6358, Stop: 8931, Start Num: 30

Candidate Starts for Vivaldi_9:

(22, 6229), (Start: 30 @6358 has 463 MA's), (40, 6409), (42, 6421), (45, 6436), (Start: 50 @6460 has 1 MA's), (65, 6520), (71, 6541), (94, 6613), (101, 6643), (113, 6721), (Start: 114 @6736 has 1 MA's), (122, 6772), (128, 6787), (133, 6808), (158, 6928), (159, 6934), (160, 6937), (167, 6976), (179, 7048), (185, 7072), (186, 7081), (189, 7102), (200, 7147), (202, 7162), (211, 7210), (215, 7225), (231, 7450), (238, 7549), (243, 7594), (271, 7672), (276, 7699), (280, 7723), (292, 7807), (302, 7876), (320, 7981), (321, 7984), (328, 8023), (329, 8026), (334, 8095), (335, 8098), (340, 8131), (346, 8188), (350, 8251), (352, 8269), (357, 8320), (361, 8350), (368, 8410), (371, 8449), (375, 8482), (377, 8491), (380, 8527), (388, 8596), (395, 8665), (402, 8731),

Gene: Vortex_9 Start: 6361, Stop: 8934, Start Num: 30

Candidate Starts for Vortex_9:

(22, 6232), (Start: 30 @6361 has 463 MA's), (40, 6412), (42, 6424), (45, 6439), (Start: 50 @6463 has 1 MA's), (65, 6523), (71, 6544), (94, 6616), (101, 6646), (113, 6724), (Start: 114 @6739 has 1 MA's), (122, 6775), (128, 6790), (133, 6811), (158, 6931), (159, 6937), (160, 6940), (167, 6979), (179, 7051), (185, 7075), (186, 7084), (189, 7105), (200, 7150), (202, 7165), (211, 7213), (215, 7228), (231, 7453), (238, 7552), (243, 7597), (271, 7675), (276, 7702), (280, 7726), (292, 7810), (302, 7879), (320, 7984), (321, 7987), (328, 8026), (329, 8029), (334, 8098), (335, 8101), (340, 8134), (346, 8191), (350, 8254), (352, 8272), (357, 8323), (361, 8353), (368, 8413), (371, 8452), (375, 8485), (377, 8494), (380, 8530), (388, 8599), (395, 8668), (402, 8734),

Gene: Waleliano_10 Start: 8637, Stop: 11144, Start Num: 30

Candidate Starts for Waleliano_10:

(Start: 30 @8637 has 463 MA's), (39, 8679), (44, 8712), (63, 8802), (76, 8865), (81, 8880), (85, 8889), (89, 8898), (94, 8916), (95, 8925), (101, 8937), (122, 8988), (124, 8991), (143, 9054), (145, 9063), (152, 9096), (155, 9117), (156, 9120), (157, 9126), (159, 9135), (160, 9138), (164, 9162), (169, 9186), (171, 9201), (174, 9219), (176, 9225), (186, 9270), (192, 9303), (202, 9351), (203, 9354), (211, 9393), (243, 9768), (271, 9909), (276, 9936), (279, 9957), (280, 9960), (287, 10005), (290, 10029), (302, 10113), (317, 10203), (320, 10221), (328, 10263), (330, 10293), (335, 10338), (340, 10371), (341, 10386), (346, 10428), (348, 10449), (351, 10506), (352, 10509), (355, 10539), (357, 10560), (361, 10590), (363, 10605), (364, 10632), (371, 10689), (372, 10695), (377, 10731), (380, 10767), (386, 10827), (391, 10863), (394, 10902), (395, 10905), (410, 10986), (434, 11079), (436, 11100),

Gene: Wallhey_9 Start: 6357, Stop: 8939, Start Num: 30

Candidate Starts for Wallhey_9:

(Start: 30 @6357 has 463 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (209, 7197), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (313, 7953), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (394, 8661), (395, 8664), (402, 8730),

Gene: Waterdiva_9 Start: 6361, Stop: 8934, Start Num: 30

Candidate Starts for Waterdiva_9:

(22, 6232), (Start: 30 @6361 has 463 MA's), (40, 6412), (42, 6424), (45, 6439), (Start: 50 @6463 has 1 MA's), (65, 6523), (71, 6544), (94, 6616), (101, 6646), (113, 6724), (Start: 114 @6739 has 1 MA's), (122, 6775), (128, 6790), (133, 6811), (158, 6931), (159, 6937), (160, 6940), (179, 7051), (185, 7075), (186, 7084), (189, 7105), (200, 7150), (202, 7165), (209, 7201), (211, 7213), (215, 7228), (231, 7453), (238, 7552), (243, 7597), (271, 7675), (276, 7702), (280, 7726), (292, 7810), (302, 7879), (320, 7984), (321, 7987), (328, 8026), (329, 8029), (334, 8098), (335, 8101), (340, 8134), (346, 8191), (350, 8254), (352, 8272), (357, 8323), (361, 8353), (368, 8413), (371, 8452), (375, 8485), (377, 8494), (380, 8530), (388, 8599), (395, 8668), (402, 8734),

Gene: Weher20_9 Start: 6357, Stop: 8930, Start Num: 30

Candidate Starts for Weher20_9:

(22, 6228), (Start: 30 @6357 has 463 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (209, 7197), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (313, 7953), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (395, 8664), (402, 8730),

Gene: West99_13 Start: 9734, Stop: 12181, Start Num: 30

Candidate Starts for West99_13:

(Start: 30 @9734 has 463 MA's), (41, 9788), (54, 9848), (76, 9941), (78, 9947), (84, 9962), (91, 9983), (96, 10013), (116, 10094), (117, 10097), (120, 10106), (131, 10133), (137, 10160), (157, 10232), (160, 10244), (164, 10262), (167, 10268), (178, 10331), (190, 10376), (200, 10418), (205, 10448), (222, 10619), (223, 10640), (224, 10646), (231, 10718), (236, 10781), (241, 10859), (244, 10865), (266, 10916), (271, 10955), (275, 10976), (276, 10982), (280, 11006), (288, 11057), (289, 11060), (292, 11090), (300, 11147), (302, 11159), (303, 11174), (307, 11201), (314, 11243), (323, 11288), (324, 11291), (329, 11321), (333, 11384), (334, 11390), (335, 11393), (338, 11405), (348, 11501), (350, 11543), (357, 11612), (364, 11690), (370, 11744), (377, 11789), (378, 11792), (379, 11819), (386, 11885), (389, 11900), (391, 11921), (394, 11960), (404, 12014), (410, 12041), (415, 12053), (427, 12101),

Gene: Windsor_9 Start: 6358, Stop: 8949, Start Num: 30

Candidate Starts for Windsor_9:

(22, 6229), (Start: 30 @6358 has 463 MA's), (40, 6409), (42, 6421), (45, 6436), (Start: 50 @6460 has 1 MA's), (65, 6520), (71, 6541), (94, 6613), (101, 6643), (113, 6721), (Start: 114 @6736 has 1 MA's), (122, 6772), (128, 6787), (133, 6808), (158, 6928), (159, 6934), (160, 6937), (179, 7048), (185, 7072), (186, 7081), (189, 7102), (200, 7147), (202, 7162), (209, 7198), (211, 7210), (215, 7225), (231, 7450), (238, 7549), (243, 7594), (271, 7672), (276, 7699), (280, 7723), (292, 7807), (302, 7876), (313, 7954), (320, 7981), (321, 7984), (328, 8023), (329, 8026), (334, 8095), (335, 8098), (340, 8131), (346, 8188), (350, 8251), (352, 8269), (357, 8320), (361, 8350), (368, 8410), (371, 8449), (375, 8482), (377, 8491),

(380, 8527), (395, 8665), (402, 8731),

Gene: Wooper_11 Start: 8617, Stop: 11028, Start Num: 30

Candidate Starts for Wooper_11:

(Start: 30 @8617 has 463 MA's), (41, 8665), (73, 8812), (129, 8959), (137, 8992), (138, 8998), (143, 9019), (160, 9103), (166, 9136), (182, 9151), (202, 9253), (216, 9361), (224, 9466), (243, 9673), (253, 9700), (266, 9772), (267, 9775), (268, 9781), (271, 9811), (277, 9847), (280, 9862), (284, 9883), (287, 9907), (288, 9913), (292, 9946), (293, 9949), (295, 9967), (318, 10111), (320, 10123), (348, 10351), (357, 10462), (363, 10507), (371, 10591), (377, 10633), (381, 10675), (410, 10879), (423, 10933),

Gene: Xavier_9 Start: 6360, Stop: 8933, Start Num: 30

Candidate Starts for Xavier_9:

(22, 6231), (Start: 30 @6360 has 463 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (89, 6597), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Xincheng_10 Start: 8458, Stop: 10965, Start Num: 30

Candidate Starts for Xincheng_10:

(Start: 30 @8458 has 463 MA's), (39, 8500), (44, 8533), (63, 8623), (76, 8686), (81, 8701), (85, 8710), (89, 8719), (94, 8737), (95, 8746), (122, 8809), (124, 8812), (143, 8875), (145, 8884), (147, 8893), (152, 8917), (155, 8938), (156, 8941), (157, 8947), (159, 8956), (160, 8959), (161, 8971), (164, 8983), (169, 9007), (171, 9022), (174, 9040), (186, 9091), (192, 9124), (202, 9172), (203, 9175), (209, 9202), (211, 9214), (243, 9589), (271, 9730), (276, 9757), (279, 9778), (280, 9781), (287, 9826), (290, 9850), (302, 9934), (317, 10024), (320, 10042), (328, 10084), (330, 10114), (335, 10159), (340, 10192), (341, 10207), (346, 10249), (348, 10270), (351, 10327), (352, 10330), (355, 10360), (357, 10381), (363, 10426), (364, 10453), (371, 10510), (372, 10516), (377, 10552), (380, 10588), (386, 10648), (389, 10663), (395, 10726), (410, 10807), (415, 10819), (425, 10867), (434, 10900), (436, 10921),

Gene: Yago84_8 Start: 7040, Stop: 9352, Start Num: 49

Candidate Starts for Yago84_8:

(Start: 30 @6947 has 463 MA's), (Start: 35 @6965 has 1 MA's), (Start: 49 @7040 has 2 MA's), (53, 7052), (72, 7133), (91, 7190), (92, 7193), (94, 7202), (95, 7211), (101, 7223), (120, 7256), (133, 7295), (135, 7301), (138, 7316), (143, 7337), (147, 7355), (151, 7376), (155, 7400), (160, 7421), (185, 7484), (188, 7499), (216, 7682), (242, 7994), (266, 8096), (268, 8105), (271, 8135), (277, 8171), (280, 8186), (284, 8207), (288, 8237), (295, 8291), (306, 8378), (318, 8435), (341, 8612), (347, 8654), (352, 8732), (353, 8735), (357, 8783), (363, 8828), (368, 8873), (371, 8912), (374, 8939), (377, 8954), (389, 9065), (391, 9086), (396, 9137), (406, 9191), (415, 9215), (416, 9218), (422, 9254), (425, 9263),

Gene: Yahalom_12 Start: 8209, Stop: 10656, Start Num: 30

Candidate Starts for Yahalom_12:

(Start: 30 @8209 has 463 MA's), (Start: 49 @8308 has 2 MA's), (Start: 50 @8311 has 1 MA's), (62, 8356), (65, 8380), (66, 8383), (77, 8428), (92, 8467), (105, 8518), (118, 8548), (132, 8578), (140, 8605), (142, 8611), (155, 8677), (185, 8767), (186, 8776), (187, 8779), (190, 8800), (202, 8857), (220, 9013), (223, 9073), (226, 9100), (243, 9295), (271, 9391), (280, 9442), (288, 9493), (310, 9655), (320, 9712), (321, 9715), (323, 9724), (334, 9826), (346, 9919), (352, 10000), (380, 10258), (386, 10318), (389, 10333), (393, 10387), (405, 10471), (407, 10483), (425, 10552),

Gene: Yeshua_11 Start: 8618, Stop: 11032, Start Num: 30

Candidate Starts for Yeshua_11:

(Start: 30 @8618 has 463 MA's), (Start: 49 @8711 has 2 MA's), (54, 8726), (73, 8813), (76, 8825), (99, 8891), (129, 8960), (137, 8993), (138, 8999), (143, 9020), (147, 9038), (160, 9104), (166, 9137), (182, 9152), (202, 9254), (216, 9362), (224, 9467), (243, 9674), (253, 9701), (266, 9773), (267, 9776), (268, 9782), (271, 9812), (277, 9848), (280, 9863), (284, 9884), (287, 9908), (288, 9914), (292, 9947), (295, 9968), (318, 10112), (345, 10322), (357, 10463), (360, 10487), (363, 10508), (368, 10553), (371, 10592), (374, 10619), (377, 10634), (381, 10676), (410, 10883), (423, 10937), (432, 10979),

Gene: Yinz_12 Start: 8238, Stop: 10670, Start Num: 30

Candidate Starts for Yinz_12:

(Start: 30 @8238 has 463 MA's), (Start: 49 @8337 has 2 MA's), (Start: 50 @8340 has 1 MA's), (62, 8385), (65, 8409), (66, 8412), (77, 8457), (92, 8496), (105, 8547), (118, 8577), (132, 8607), (140, 8634), (155, 8706), (183, 8790), (185, 8796), (186, 8805), (187, 8808), (190, 8829), (202, 8886), (220, 9042), (223, 9102), (243, 9324), (271, 9420), (280, 9471), (288, 9522), (310, 9684), (320, 9741), (321, 9744), (323, 9753), (334, 9855), (346, 9948), (352, 10029), (380, 10287), (386, 10347), (389, 10362), (393, 10416), (405, 10500), (407, 10512), (425, 10581),

Gene: Yoshand_9 Start: 6358, Stop: 8931, Start Num: 30

Candidate Starts for Yoshand_9:

(22, 6229), (Start: 30 @6358 has 463 MA's), (40, 6409), (42, 6421), (45, 6436), (Start: 50 @6460 has 1 MA's), (65, 6520), (71, 6541), (94, 6613), (101, 6643), (113, 6721), (Start: 114 @6736 has 1 MA's), (122, 6772), (128, 6787), (133, 6808), (158, 6928), (159, 6934), (160, 6937), (179, 7048), (185, 7072), (186, 7081), (189, 7102), (200, 7147), (202, 7162), (211, 7210), (215, 7225), (231, 7450), (238, 7549), (243, 7594), (271, 7672), (276, 7699), (280, 7723), (292, 7807), (302, 7876), (320, 7981), (321, 7984), (328, 8023), (329, 8026), (334, 8095), (335, 8098), (340, 8131), (346, 8188), (350, 8251), (352, 8269), (357, 8320), (361, 8350), (368, 8410), (371, 8449), (375, 8482), (377, 8491), (380, 8527), (388, 8596), (395, 8665), (402, 8731),

Gene: YouGoGlencoco_9 Start: 6357, Stop: 8930, Start Num: 30

Candidate Starts for YouGoGlencoco_9:

(22, 6228), (Start: 30 @6357 has 463 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (167, 6975), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (395, 8664), (402, 8730),

Gene: Zaider_10 Start: 6590, Stop: 9163, Start Num: 30

Candidate Starts for Zaider_10:

(22, 6461), (Start: 30 @6590 has 463 MA's), (40, 6641), (42, 6653), (45, 6668), (Start: 50 @6692 has 1 MA's), (65, 6752), (71, 6773), (94, 6845), (101, 6875), (113, 6953), (Start: 114 @6968 has 1 MA's), (122, 7004), (128, 7019), (133, 7040), (158, 7160), (159, 7166), (160, 7169), (167, 7208), (179, 7280), (185, 7304), (186, 7313), (189, 7334), (200, 7379), (202, 7394), (211, 7442), (215, 7457), (231, 7682), (238, 7781), (243, 7826), (271, 7904), (276, 7931), (280, 7955), (292, 8039), (302, 8108), (320, 8213), (321, 8216), (328, 8255), (329, 8258), (334, 8327), (335, 8330), (340, 8363), (346, 8420), (350, 8483), (352, 8501), (357, 8552), (361, 8582), (368, 8642), (371, 8681), (375, 8714), (377, 8723), (380, 8759), (388, 8828), (395, 8897), (402, 8963),

Gene: Zelda_9 Start: 6360, Stop: 8933, Start Num: 30

Candidate Starts for Zelda_9:

(22, 6231), (Start: 30 @6360 has 463 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (209, 7200), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (313, 7956), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (395, 8667), (402, 8733),

Gene: Zemanar_11 Start: 8637, Stop: 11144, Start Num: 30

Candidate Starts for Zemanar_11:

(Start: 30 @8637 has 463 MA's), (39, 8679), (44, 8712), (63, 8802), (76, 8865), (81, 8880), (85, 8889), (89, 8898), (94, 8916), (95, 8925), (101, 8937), (122, 8988), (124, 8991), (143, 9054), (145, 9063), (152, 9096), (155, 9117), (156, 9120), (157, 9126), (159, 9135), (160, 9138), (164, 9162), (169, 9186), (171, 9201), (174, 9219), (176, 9225), (186, 9270), (192, 9303), (202, 9351), (203, 9354), (211, 9393), (243, 9768), (271, 9909), (276, 9936), (279, 9957), (280, 9960), (287, 10005), (290, 10029), (302, 10113), (317, 10203), (320, 10221), (328, 10263), (330, 10293), (335, 10338), (340, 10371), (341, 10386), (346, 10428), (348, 10449), (351, 10506), (352, 10509), (355, 10539), (357, 10560), (361, 10590), (363, 10605), (364, 10632), (371, 10689), (372, 10695), (377, 10731), (380, 10767), (386, 10827), (391, 10863), (394, 10902), (395, 10905), (410, 10986), (434, 11079), (436, 11100),

Gene: Zenteno07_14 Start: 7525, Stop: 10050, Start Num: 30

Candidate Starts for Zenteno07_14:

(Start: 30 @7525 has 463 MA's), (40, 7576), (46, 7615), (57, 7648), (71, 7708), (81, 7744), (95, 7789), (122, 7852), (127, 7861), (133, 7882), (155, 7981), (164, 8026), (178, 8092), (185, 8119), (186, 8128), (202, 8209), (209, 8239), (217, 8320), (218, 8338), (224, 8419), (228, 8452), (231, 8491), (243, 8635), (256, 8704), (265, 8761), (269, 8788), (271, 8815), (279, 8863), (280, 8866), (287, 8911), (288, 8917), (317, 9106), (328, 9166), (329, 9169), (330, 9196), (334, 9238), (335, 9241), (346, 9331), (351, 9406), (357, 9460), (367, 9544), (368, 9550), (375, 9622), (380, 9667), (391, 9763), (395, 9805), (415, 9898),

Gene: Zonia_9 Start: 6356, Stop: 8947, Start Num: 30

Candidate Starts for Zonia_9:

(22, 6227), (Start: 30 @6356 has 463 MA's), (40, 6407), (42, 6419), (45, 6434), (Start: 50 @6458 has 1 MA's), (65, 6518), (71, 6539), (94, 6611), (101, 6641), (113, 6719), (Start: 114 @6734 has 1 MA's), (122, 6770), (128, 6785), (133, 6806), (158, 6926), (159, 6932), (160, 6935), (167, 6974), (179, 7046), (185, 7070), (186, 7079), (189, 7100), (200, 7145), (202, 7160), (209, 7196), (211, 7208), (215, 7223), (231, 7448), (238, 7547), (243, 7592), (271, 7670), (276, 7697), (280, 7721), (292, 7805), (302, 7874), (313, 7952), (320, 7979), (321, 7982), (328, 8021), (329, 8024), (334, 8093), (335, 8096), (340, 8129), (346, 8186), (350, 8249), (352, 8267), (357, 8318), (361, 8348), (368, 8408), (371, 8447), (375, 8480), (377, 8489), (380, 8525), (395, 8663), (402, 8729),