

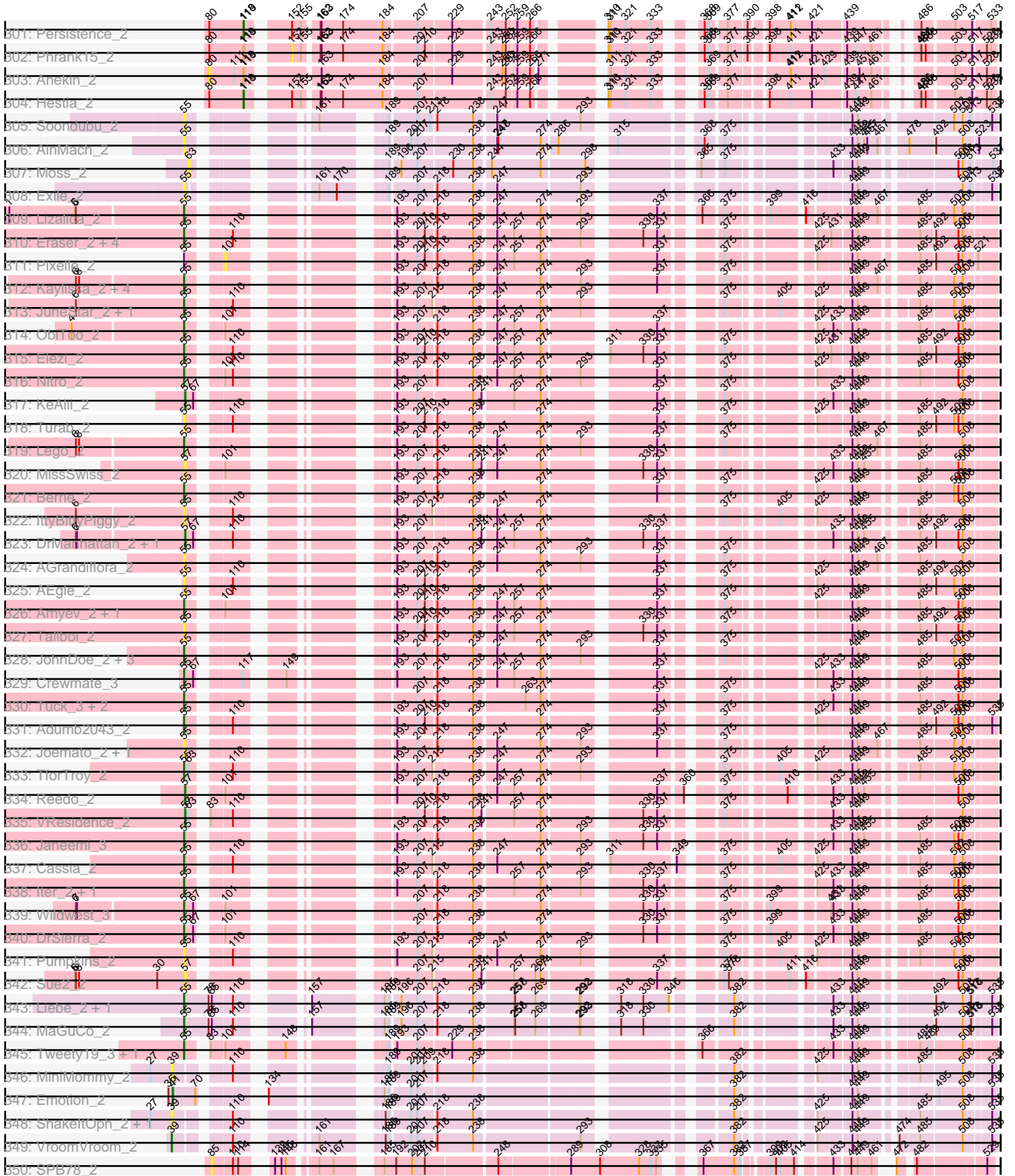
Pham 163218

51: Atkinbua_12			143	161	184	201	233	245	261	287		385		480	503
52: HanShotFirst_11 + 1				168	198	213	233	245	261	287		385		480	503
53: DD5_12 + 1			143	161	184	201	233	245	261	287		385		480	503
54: Clao_11			143	161	184	201	233	245	261	287		385		480	503
55: Target_13 + 1			143	161	184	201	233	245	261	287		385		480	503
56: Onno789_10				168	198	213	233	245	261	287		385		480	503
57: HarryOV_12 + 1			143	161	184	201	233	245	261	287		385		480	503
58: Tasp14_12				168	198	213	233	245	261	287		385		480	503
59: Briton15_13 + 1			143	161	184	201	233	245	261	287		385		480	503
60: Fajezeel_13 + 1			143	161	184	201	233	245	261	287		385		480	503
61: BillKnuckles_12				168	198	213	233	245	261	287		385		480	503
62: Paphu_10				168	198	213	233	245	261	287		385		480	503
63: GrecoEtereo_12			143	161	184	201	233	245	261	287		385		480	503
64: JackSparrow_12			143	161	184	201	233	245	261	287		385		480	503
65: Rulus_12			143	161	184	201	233	245	261	287		385		480	503
66: Rutherford_13			143	161	184	201	233	245	261	287		385		480	503
67: DreamCatcher_14			143	161	184	201	233	245	261	287		385		480	503
68: Miyoko_10			143	161	184	201	233	245	261	287		385		480	503
69: AshBailler_10			143	161	184	201	233	245	261	287		385		480	503
70: IgnatiusPatJac_10 + 1			143	161	184	201	233	245	261	287		385		480	503
71: Pan_12				168	198	213	233	245	261	287		385		480	503
72: TwoPeat_11				168	198	213	233	245	261	287		385		480	503
73: Espresso_11			143	161	184	201	233	245	261	287		385		480	503
74: Lamina13_11			143	161	184	201	233	245	261	287		385		480	503
75: PinkPlastic_10				168	198	213	233	245	261	287		385		480	503
76: Dulcie_10				168	198	213	233	245	261	287		385		480	503
77: Impi3_12				168	198	213	233	245	261	287		385		480	503
78: QRifleCrisis_14				168	198	213	233	245	261	287		385		480	503
79: Seabiscuit_13				168	198	213	233	245	261	287		385		480	503
80: Norz_13			143	161	184	201	233	245	261	287		385		480	503
81: Manatee_12			143	161	184	201	233	245	261	287		385		480	503
82: Oogway_10				168	198	213	233	245	261	287		385		480	503
83: Gwendoluna_13				168	198	213	233	245	261	287		385		480	503
84: Peterson_14			111	143	184	201	233	245	261	287		385		480	503
85: Goose_11 + 1		111	143	161	184	201	233	245	261	287		385		480	503
86: Eaglepride_12		111	143	161	184	201	233	245	261	287		385		480	503
87: RhynO_12		111	143	161	184	201	233	245	261	287		385		480	503
88: Severus_10		111	143	161	184	201	233	245	261	287		385		480	503
89: Drake94_10		111	143	161	184	201	233	245	261	287		385		480	503
90: Topanga_11 + 3		111	143	161	184	201	233	245	261	287		385		480	503
91: Poompha_10		111	143	161	184	201	233	245	261	287		385		480	503
92: KittenMittens_10		111	143	161	184	201	233	245	261	287		385		480	503
93: PeaceMeal_10		111	143	161	184	201	233	245	261	287		385		480	503
94: Rebeuca_12 + 1		111	143	161	184	201	233	245	261	287		385		480	503
95: Chupacabra_11		111	143	161	184	201	233	245	261	287		385		480	503
96: Mike_9		102	134	161	184	201	233	245	261	287		385		480	503
97: Petersenlast_11 + 14		102	134	161	184	201	233	245	261	287		385		480	503
98: Saiz_12 + 2	21	102	134	161	184	201	233	245	261	287		385		480	503
99: Lucivia_12 + 3		102	134	161	184	201	233	245	261	287		385		480	503
100: Fibonacci_12 + 2		102	134	161	184	201	233	245	261	287		385		480	503

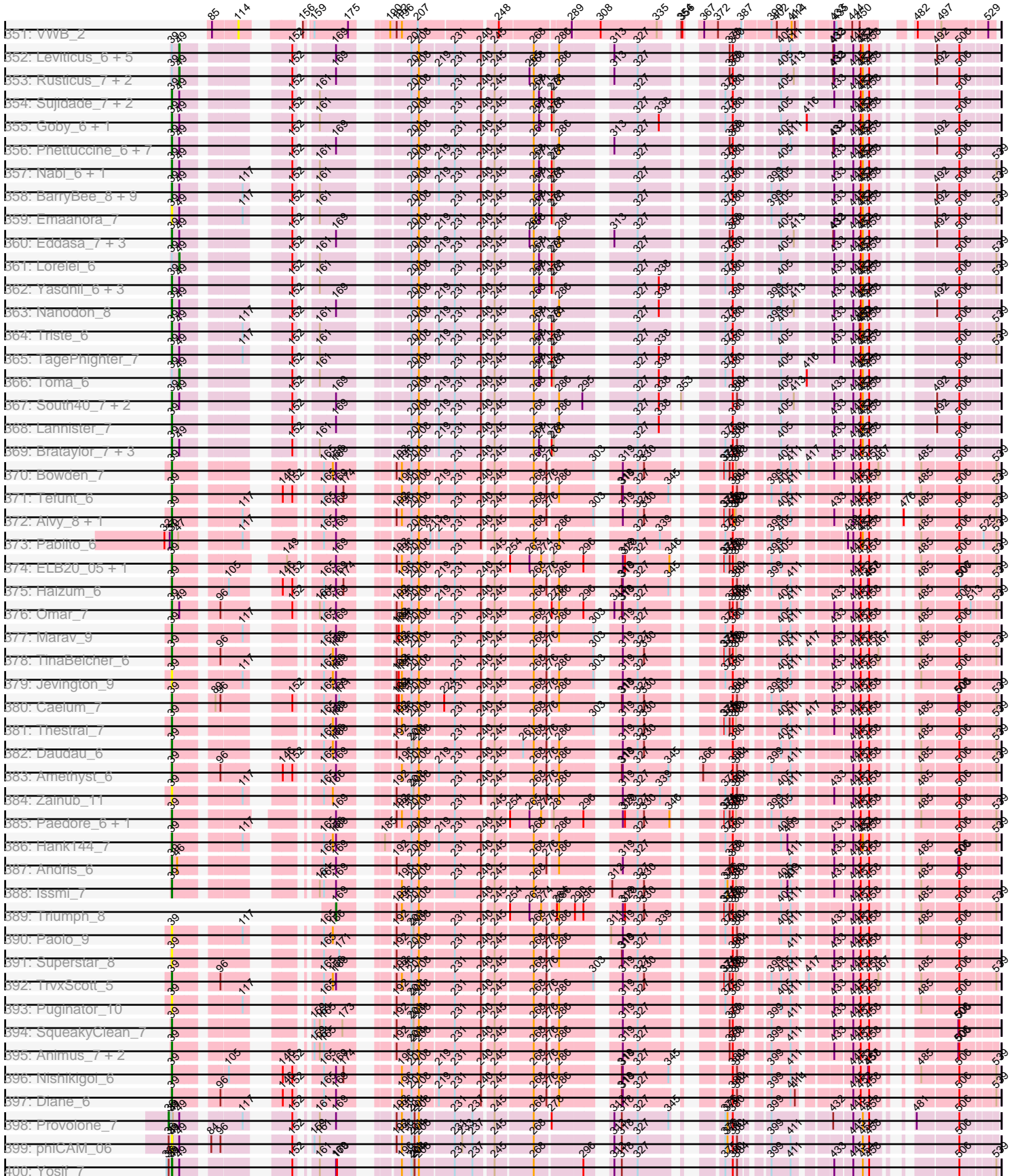
Pham 163218

251: Chadwick_10 + 1	31	88	2	114	161	176	221	245	266	274	310	379
252: BlueRaicon_8	31	88	2	114	161	176	221	245	266	274	310	379
253: Jovo_9	31	88	2	114	161	176	221	245	266	274	310	379
254: Tarynearai_8	31	88	2	114	161	176	221	245	266	274	310	379
255: Marysveil_8	31	88	2	114	161	176	221	245	266	274	310	379
256: OnionJack_9	31	88	2	114	161	176	221	245	266	274	310	379
257: Naca_9	31	88	2	114	161	176	221	245	266	274	310	379
258: Ghoulboy_9	31	88	2	114	161	176	221	245	266	274	310	379
259: Theia_8 + 1	31	88	2	114	161	176	221	245	266	274	310	379
260: Newraia_15 + 4	31	88	2	114	161	176	221	245	266	274	310	379
261: Rifter_15 + 2	31	88	2	114	161	176	221	245	266	274	310	379
262: Isiphiwo_15	31	88	2	114	161	176	221	245	266	274	310	379
263: Wiks_15 + 16	31	88	2	114	161	176	221	245	266	274	310	379
264: McFly_15 + 15	31	88	2	114	161	176	221	245	266	274	310	379
265: BABullseye_15 + 2	31	88	2	114	161	176	221	245	266	274	310	379
266: SuperAwesome_15	31	88	2	114	161	176	221	245	266	274	310	379
267: DroogsArmy_12	31	88	2	114	161	176	221	245	266	274	310	379
268: Hinder_11	31	88	2	114	161	176	221	245	266	274	310	379
269: PP_21	31	88	2	114	161	176	221	245	266	274	310	379
270: Tinshei_12	31	88	2	114	161	176	221	245	266	274	310	379
271: Sheen_13	31	88	2	114	161	176	221	245	266	274	310	379
272: Stephig9_9 + 4	31	88	2	114	161	176	221	245	266	274	310	379
273: Philis_9	31	88	2	114	161	176	221	245	266	274	310	379
274: Dixon_9 + 2	31	88	2	114	161	176	221	245	266	274	310	379
275: Saintus_9	31	88	2	114	161	176	221	245	266	274	310	379
276: NearlyHeadless_9	31	88	2	114	161	176	221	245	266	274	310	379
277: Gobbi_13 + 5	31	88	2	114	161	176	221	245	266	274	310	379
278: Phaeder_13 + 4	31	88	2	114	161	176	221	245	266	274	310	379
279: BogosyJay_13	31	88	2	114	161	176	221	245	266	274	310	379
280: Darrell_14	31	88	2	114	161	176	221	245	266	274	310	379
281: Keziacharies14_11	31	88	2	114	161	176	221	245	266	274	310	379
282: DreamTeam1_12 + 1	31	88	2	114	161	176	221	245	266	274	310	379
283: Priya_13 + 9	31	88	2	114	161	176	221	245	266	274	310	379
284: LoneWolf_13	31	88	2	114	161	176	221	245	266	274	310	379
285: Vanisoa_11	31	88	2	114	161	176	221	245	266	274	310	379
286: Mammaina_13	31	88	2	114	161	176	221	245	266	274	310	379
287: Toaka_11	31	88	2	114	161	176	221	245	266	274	310	379
288: Rahalelujah_11	31	88	2	114	161	176	221	245	266	274	310	379
289: Elephantoon_13	31	88	2	114	161	176	221	245	266	274	310	379
290: Arianshae_11	31	88	2	114	161	176	221	245	266	274	310	379
291: SheaKeira_12	31	88	2	114	161	176	221	245	266	274	310	379
292: Yecey3_12	31	88	2	114	161	176	221	245	266	274	310	379
293: NoShow_2	31	88	2	114	161	176	221	245	266	274	310	379
294: JacoRens7_2	31	88	2	114	161	176	221	245	266	274	310	379
295: Maco6_3	31	88	2	114	161	176	221	245	266	274	310	379
296: FF47_U5 + 1	31	88	2	114	161	176	221	245	266	274	310	379
297: Muddy_5	31	88	2	114	161	176	221	245	266	274	310	379
298: Farewell_2 + 1	31	88	2	114	161	176	221	245	266	274	310	379
299: Nergal_5	31	88	2	114	161	176	221	245	266	274	310	379
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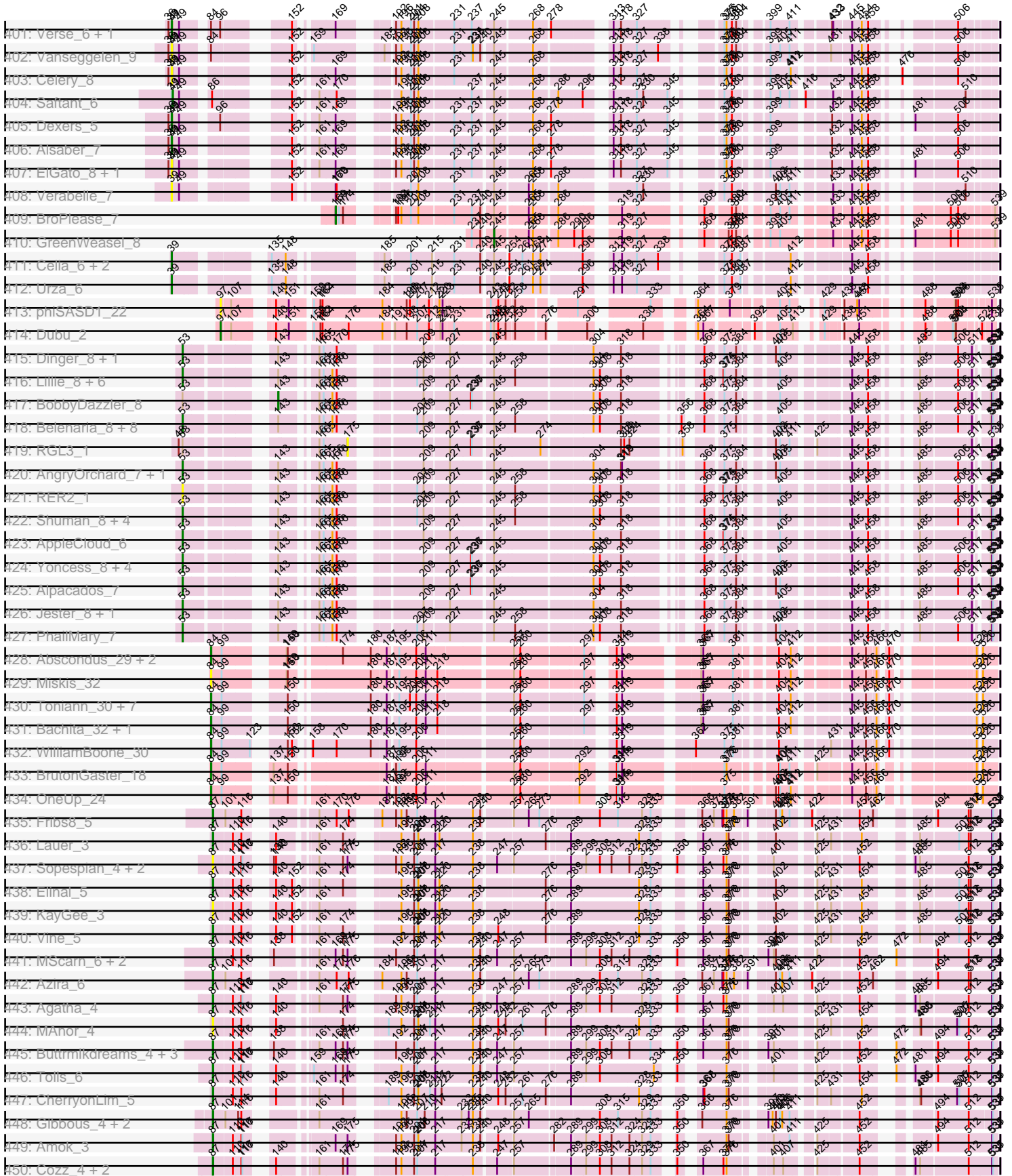
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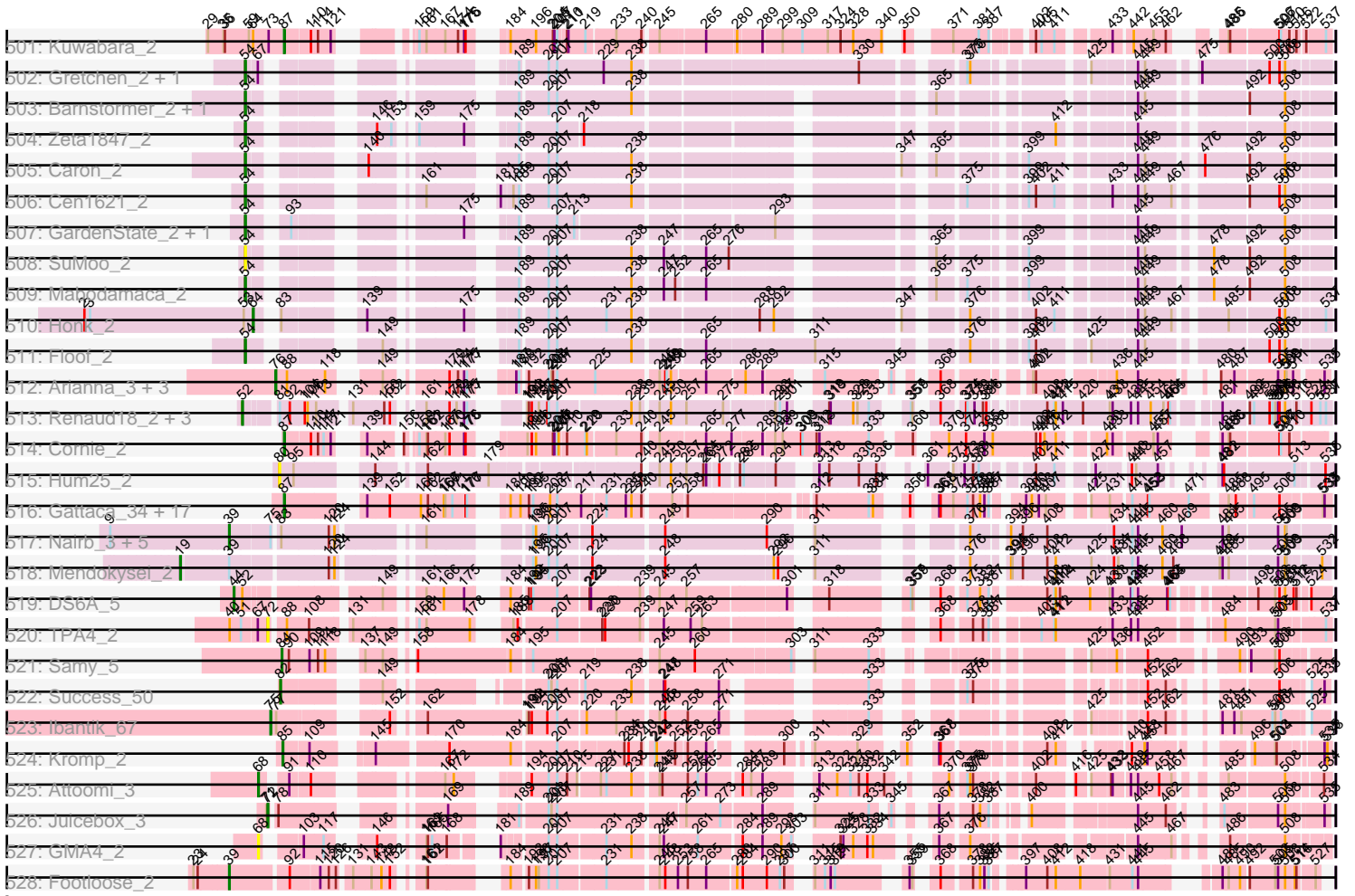
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#51: MunkgeeRoachy_5	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	525	526	527	528	529	530	531	532	533	534	535	536	537	538	539	540	541	542	543	544	545	546	547	548	549	550	551	552	553	554	555	556	557	558	559	560	561	562	563	564	565	566	567	568	569	570	571	572	573	574	575	576	577	578	579	580	581	582	583	584	585	586	587	588	589	590	591	592	593	594	595	596	597	598	599	600	601	602	603	604	605	606	607	608	609	610	611	612	613	614	615	616	617	618	619	620	621	622	623	624	625	626	627	628	629	630	631	632	633	634	635	636	637	638	639	640	641	642	643	644	645	646	647	648	649	650	651	652	653	654	655	656	657	658	659	660	661	662	663	664	665	666	667	668	669	670	671	672	673	674	675	676	677	678	679	680	681	682	683	684	685	686	687	688	689	690	691	692	693	694	695	696	697	698	699	700	701	702	703	704	705	706	707	708	709	710	711	712	713	714	715	716	717	718	719	720	721	722	723	724	725	726	727	728	729	730	731	732	733	734	735	736	737	738	739	740	741	742	743	744	745	746	747	748	749	750	751	752	753	754	755	756	757	758	759	760	761	762	763	764	765	766	767	768	769	770	771	772	773	774	775	776	777	778	779	780	781	782	783	784	785	786	787	788	789	790	791	792	793	794	795	796	797	798	799	800	801	802	803	804	805	806	807	808	809	810	811	812	813	814	815	816	817	818	819	820	821	822	823	824	825	826	827	828	829	830	831	832	833	834	835	836	837	838	839	840	841	842	843	844	845	846	847	848	849	850	851	852	853	854	855	856	857	858	859	860	861	862	863	864	865	866	867	868	869	870	871	872	873	874	875	876	877	878	879	880	881	882	883	884	885	886	887	888	889	890	891	892	893	894	895	896	897	898	899	900	901	902	903	904	905	906	907	908	909	910	911	912	913	914	915	916	917	918	919	920	921	922	923	924	925	926	927	928	929	930	931	932	933	934	935	936	937	938	939	940	941	942	943	944	945	946	947	948	949	950	951	952	953	954	955	956	957	958	959	960	961	962	963	964	965	966	967	968	969	970	971	972	973	974	975	976	977	978	979	980	981	982	983	984	985	986	987	988	989	990	991	992	993	994	995	996	997	998	999	1000
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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 163218 Report

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

WARNING: Pham size does not match number of genes in report. Either unphamerated genes have been added (by you) or starterator has removed genes due to invalid start codon.

Pham number 163218 has 1180 members, 130 are drafts.

Phages represented in each track:

- Track 1 : Chargerpower_12
- Track 2 : Paraselene_10, Marsha_11, Sorpresa_10, StewieG_10, Smeagol_12, Ringer_11, Sandaddy_10, KyMonks1A_13, AFIS_11, Nhonho_11
- Track 3 : Parliament_10, Pepe_12, Arcanine_12, Rajelicia_11, Killigrew_9, Hope4ever_11
- Track 4 : Nerujay_12, Arlo_10, Maroc7_10
- Track 5 : Molly_12, BPBiebs31_12
- Track 6 : Petruccio_11, Frogopper_12
- Track 7 : Altman_12, Solon_11, Dexes_12, Sagefire_12, Traft412_13, Kanely_12, Wheeler_11
- Track 8 : Ajay_11, Graduation_13, Payneful_10, Snazzy_9, Marchy_9, Bones_11
- Track 9 : Kenmech_14
- Track 10 : Bircsak_11, Gompeii16_11, Francis47_11, Alvin_12, Magnito_10, Adahisdi_12, MPlant7149_10, HermioneGrange_12, Carlyle_13, Aeneas_13, Pinto_13, PascalRango_10, Mule_11, PhrostyMug_11, Eyeball_11, Abrogate_120, Bob3_10, Licorice_13, ConceptII_11
- Track 11 : Papez_13, A6_09, BK1_09
- Track 12 : Squee_12
- Track 13 : Euphoria_11, Scowl_12, BaconJack_13, DrFeelGood_10, Sumter_10, Marcell_11
- Track 14 : Bigfoot_10, CactusRose_10, Fascinus_10
- Track 15 : BeesKnees_12
- Track 16 : Michley_11
- Track 17 : Bruns_10, Treddle_13, Gyzlar_13
- Track 18 : Thor_11, SarFire_11
- Track 19 : Pita2_13, Tote_13, Swole_13, RidgeCB_11, LilBib_12, PSullivan_12, JuliaChild_13
- Track 20 : Agaliana_11, PacerPaul_11, Gandalf20_12, KBG_12, Smairt_12
- Track 21 : Cueylyss_11, Zeeculate_10
- Track 22 : Acme_13, PattyP_13, Burton_12, Museum_13, BigMau_13, Pippin_13, Sibs6_13, Rubeus_12, Jerm2_12
- Track 23 : Switzer_12, KSSJEB_11, U2_11

- Track 24 : Jasper_12, Moose_10, ShortQueendom_10, Perseus_12, Dreamboat_12, Turj99_10, SwissCheese_11, Forsytheast_10
- Track 25 : Corvo_11, MaryBeth_11, MetalQZJ_11
- Track 26 : Rohr_12, Buttons_12
- Track 27 : Dussy_12, Abbyshoes_12, Zephyr_11, Zeuska_12
- Track 28 : Bxb1_10
- Track 29 : lLeeKay_13, Rhynn_11, Applejack_11, Sunshine924_10
- Track 30 : Ruotula_10, Doom_11, Watermelon_13, Crispicous1_10, Lesedi_10, MrGordo_11
- Track 31 : Blue_11
- Track 32 : BigPaolini_12, Alsfro_15
- Track 33 : Seanderson_12, JC27_13, Trouble_11
- Track 34 : Hami1_13
- Track 35 : Barriga_11
- Track 36 : Monet_13, Fushigi_12, GageAP_13, Marge_12, SpikeBT_13
- Track 37 : Wilkins_11
- Track 38 : STLscum_12
- Track 39 : Edtherson_12
- Track 40 : Niza_13
- Track 41 : Dynamix_12, McGuire_12
- Track 42 : Pelly_12
- Track 43 : PherrisBueller_12, Jorgensen_11
- Track 44 : NEHalo_11
- Track 45 : Hermia_13
- Track 46 : SkiPole_13, Topgun_11, Teodoridan_9
- Track 47 : Magnar_11
- Track 48 : Kugel_12
- Track 49 : Chanagan_10
- Track 50 : TheloniousMonk_13
- Track 51 : Atkinbua_12
- Track 52 : HanShotFirst_11, Homines_11
- Track 53 : DD5_12, Lockley_11
- Track 54 : Ciao_11
- Track 55 : Target_13, Kykar_9
- Track 56 : Ohno789_10
- Track 57 : HarryOW_12, Slagathor_12
- Track 58 : Tasp14_12
- Track 59 : Briton15_13, Ichabod_12
- Track 60 : Fajezeel_13, Greg_13
- Track 61 : BillKnuckles_12
- Track 62 : Paphu_10
- Track 63 : GrecoEtereo_12
- Track 64 : JackSparrow_12
- Track 65 : Rufus_12
- Track 66 : Rutherferd_13
- Track 67 : DreamCatcher_14
- Track 68 : Mryolo_10
- Track 69 : Ashballer_10
- Track 70 : IgnatiusPatJac_10, BluSpix_11
- Track 71 : Pari_12
- Track 72 : TwoPeat_11
- Track 73 : Espresso_11
- Track 74 : Lamina13_11

- Track 75 : PinkPlastic_10
- Track 76 : Dulcie_10
- Track 77 : Tripl3t_12
- Track 78 : QTRlifeCrisis_14
- Track 79 : Seabiscuit_13
- Track 80 : Norz_13
- Track 81 : Manatee_12
- Track 82 : Oogway_10
- Track 83 : Gwendoluna_13
- Track 84 : Peterson_14
- Track 85 : Goose_11, OKCentral2016_11
- Track 86 : Eaglepride_12
- Track 87 : RhynO_12
- Track 88 : Severus_10
- Track 89 : Drake94_10
- Track 90 : Topanga_11, Edison31_10, WalterMcMickey_11, Twister_11
- Track 91 : Poompha_10
- Track 92 : KittenMittens_10
- Track 93 : PeaceMeal1_10
- Track 94 : Rebeuca_12, Kristoff_12
- Track 95 : Chupacabra_11
- Track 96 : Trike_9
- Track 97 : Petersenfast_11, MaCh_12, Orange_12, TinyTimmy_11, Et2Brutus_11, Bowtie_12, Sham4_12, Gilberta_12, Bachome_12, Munch_12, Ebony_12, Joselito_12, Aneem_12, Bud_12, Mabel_12
- Track 98 : Salz_12, Mulciber_12, Snape_12
- Track 99 : Lucivia_12, Insomnia_11, Flaverint_12, Jabith_12
- Track 100 : Fibonacci_12, Timothy_12, Hutc2_12
- Track 101 : Pharaoh_12
- Track 102 : Zimmer_14
- Track 103 : Refuge_15
- Track 104 : DarthPhader_13
- Track 105 : Steamy_13
- Track 106 : Phlei_8
- Track 107 : Jeeves_11
- Track 108 : SororFago_11
- Track 109 : Gail_11
- Track 110 : Luchador_12
- Track 111 : Remus_14, JSwag_14, ShayRa_15, DekHockey33_14, Waits_14, Strosahl_14, KatherineG_14
- Track 112 : Anon_12
- Track 113 : MinecraftSteve_15, Switzerland_14, Battleship_15, LastResort_14, Rosalind_14, Soups_14, Epsocamisio_14, Oofda_15, Boohoo_14, Nebulosus_14, ReMo_14, Looper_15, Anaysia_14
- Track 114 : Nedarya_13
- Track 115 : PainterBoy_13, Lucyedi_13, EagleEye_14
- Track 116 : 40AC_15
- Track 117 : MyraDee_9
- Track 118 : Kimona_8
- Track 119 : QueenBeesly_12, Georgie2_13, DudeLittle_12, Retro23_12, Dalmatian_12, SnapTap_12, Crucio_12, FiringLine_12, SemperFi_14
- Track 120 : Tomathan_15, D29_13, StarStuff_15, DBQu4n_15, Duplo_15, Kerberos_15, D32_15, Naji_15

- Track 121 : Anselm_12
- Track 122 : AN3_12
- Track 123 : EvilGenius_14, ChipMunk_14
- Track 124 : WideWale_14, Equemioh13_14, Updawg_14
- Track 125 : GaugeLDP_14, BabyBack_13
- Track 126 : LadyBird_12
- Track 127 : Che12_13
- Track 128 : ANI8_15, AN9_15, C3_10, VC3_15
- Track 129 : Fameo_12, Heffalump_14, QueenB2_12
- Track 130 : IronMan_14, Landor_13, Bactobuster_13, Phaded_15, Jaan_15
- Track 131 : CRB1_12
- Track 132 : TipsytheTRex_11
- Track 133 : Trooper_12
- Track 134 : Caraxes_11, Superchunk_11
- Track 135 : Herbertwm_10
- Track 136 : HarryHoudini_14, Flare16_12, Drake55_14, Piro94_13
- Track 137 : AbbyPaige_14, Whabigail7_14, Dignity_14, Buggy_14, Leviathan_14, LilTurb_14, Agape74_14, Jerm_14, Turbido_14
- Track 138 : NicoleTera_16
- Track 139 : Power_12
- Track 140 : AnnaL29_15
- Track 141 : NaSiaTalie_12
- Track 142 : VA6_12
- Track 143 : Benvolio_12, Echild_12
- Track 144 : WeiHuaDA_18, Trixie_15
- Track 145 : EZMoney23_16
- Track 146 : L5_13, Koduck_12
- Track 147 : Smeagan_14
- Track 148 : Colin_16
- Track 149 : Journey13_10, MissWhite_12
- Track 150 : SwirlSquare_14
- Track 151 : RedRock_15
- Track 152 : Miko_15
- Track 153 : KingCyrus_14
- Track 154 : SweetiePie_12
- Track 155 : Acolyte_12
- Track 156 : Baehexic_13
- Track 157 : Serenity_11
- Track 158 : 20ES_12, First_0012
- Track 159 : TarsusIV_12
- Track 160 : Loser_15
- Track 161 : Leogania_14, BiancaTri92_14
- Track 162 : XianYue_12
- Track 163 : Iwokeuplikedis_12
- Track 164 : Jsquared_11
- Track 165 : Pukovnik_14
- Track 166 : BengiVuitton_13
- Track 167 : Changeling_15
- Track 168 : BobSwaget_15, Lokk_15
- Track 169 : MiculUcigas_12
- Track 170 : Pomar16_15
- Track 171 : JoshKayV_14
- Track 172 : Kalpine_15

- Track 173 : Deloris_13
- Track 174 : Malec_13
- Track 175 : Ph8s_13, Adzzy_13
- Track 176 : Centaur_14
- Track 177 : ArcherNM_14
- Track 178 : Odin_11
- Track 179 : Rachaly_15
- Track 180 : Larenn_13
- Track 181 : NothingSpecial_14
- Track 182 : Anthony_11
- Track 183 : Groupthink_14, Heliosoles_13, HaveUMetTed_14, OlanP_13, Gemma_13, Kalb97_14, Kalnoky_14, PurpleHaze_13, PhishRPhriends_12, Manu_14, Marius_14, Pawn_14
- Track 184 : Pocahontas_12, Popcicle_12, Noella_12, Veracruz_11, Texage_11, Panamaxus_12, Caviar_12, ResDef_12, Todacoro_12, QuinnKiro_11, Hookmount_12, Norbert_11, Margo_12, Lambert1_12
- Track 185 : Anubis_15, GingkoMaracino_13
- Track 186 : Stagni_13, Rummer_13, DaHudson_13, LarryKay_13, Wooldri_15, Spike509_13, P28Green_13, Hercules11_13, SoYo_13, MadMarie_13, Grub_13, BuzzBuzz_12, Methuselah_13, KADY_14, HashRod_14, Sabinator_13, Bxz2_13, Misomonster_15, Ollie_13, PotatoSplit_14, StepMih_13, Farber_13, PGHhamlin_15, Microwolf_13, AgronaGT15_13, SoilDragon_13, AugsMagnumOpus_15, Dieselweasel_13, MuchMore_15, Colbster_13, Phoebe_13, Grum1_13, LBerry_13, JHC117_13, Soshari_15, GtownJaz_13, Grif_13, Tiffany_13, Beauxregard13_13, Penny1_13, Malinsilva_15, Mainiac_13, Pembroke_13, Phoxy_13, Aglet_13, MarQuardt_13, Jobu08_13, Sabia_13, Lilith_13, BreSam8_13, EpicPhail_13, Snickers_13, Watson_13
- Track 187 : LugYA_15, Cullens_13, MoneyMay_13, Marie_13, Fernando_13, Taurus_13, JenCasNa_13
- Track 188 : HelDan_11
- Track 189 : Louie6_13
- Track 190 : Isca_11
- Track 191 : BabyRay_11
- Track 192 : Rockstar_11
- Track 193 : Puppy_12, Bugatti_11, Idleandcovert_11, Pistachio_12, Giroux_11, SaturnRing_11, TNguyen7_11, BlueBird_12
- Track 194 : ACFishhook_13
- Track 195 : Phantastic_11
- Track 196 : Vix_13
- Track 197 : Daishi_12
- Track 198 : Reba_14, Phranny_14
- Track 199 : Heathen_11
- Track 200 : Scout_11, Fred313_11
- Track 201 : Zetzy_12
- Track 202 : B1_09, MK4_11, JF4_11, JF2_11
- Track 203 : JeppNRM_14
- Track 204 : MA5_11
- Track 205 : Scamp_11, Baby16_11, BubbleTrouble_11, Spino_11, Roosevelt_11, Albee_11, Taquarus_11, Pipcraft_11, Relief_11, Cocoaberry_11, Maverick_11, NorthStar_11, Phelipe_11, Commander_11, Ulysses_10, Chaph_11, Connomayer_11, JetBlade_11, Iceman_11, Phacado_11, Peaches_11, Funston_11, Citius_11, Wizard007_11, Eapen_11, Florean_11, MeeZee_11, ICleared_11, Romney_11, Medusa_11, Dhanush_11, Bartimeaus_11, Blackmoor_11, Bruiser_11,

Happiness_11, Eros_11, Burger_10, Iracema64_11, Clarenza_11, KFPoly_11, Houdini22_11, Sparxx_11, Flux_11, Palestino_11, NotAPhaseMom_11, TiroTheta9_11, Pumbaa_11, Maxo_11, JoongJeon_11, Melvin_11, Koreni_10, Shaka_11, TygerBlood_11, PeterPeter_11, Wilbur_11, Avle17_11, HamSlice_10, Annyong_11, Mazhar510_11, Sabertooth_11, Tinybot_10, Alberto7_12, Deano_11, Abdiel_11, Ruin_11, LappelDuVide_10, Eris_11, Broseidon_11, Druantia_11, Caelakin_11, Lorenzo_11, Kratark_11, Holli_11, Gadost_11, Kingmustik0402_11, CentreCat_11, Kamy_11, TinaFeyge_11, Jaykayelowell_11, Phighter1804_11, Wander_11, Bombshell_11, DirtyDunning_11, TroyPia_11, Thanksgivukkah_11

- Track 206 : Noelle_11
- Track 207 : Backyardigan_11, Badger_11, Datway_11, Bumblebee11_11, Wile_11, Cici_11, Xena_11, Achebe_11
- Track 208 : Eurydice_11, BellusTerra_11, Polymorphads_11, YoSam321_11, Ohfah_11, Nebs_11
- Track 209 : Kremtemulon_10
- Track 210 : Perplexer_11, Morpher26_11
- Track 211 : Millski_11
- Track 212 : Kyee_11, Lunsford_12, Lemur_11
- Track 213 : Eagle_10, BangNhom_10, Cerulean_11, ChampagnePapi_11, SheldonCooper_11
- Track 214 : Miramae_11
- Track 215 : LHTSCC_11, Obama12_11
- Track 216 : LittleGuy_11, Phontbonne_11
- Track 217 : LeoAvram_11
- Track 218 : Cindaradix_10
- Track 219 : LittleB_11
- Track 220 : Morrow_11
- Track 221 : Arturo_10
- Track 222 : PetiteSangsue_11
- Track 223 : Katalie136_11
- Track 224 : OKaNui_11
- Track 225 : Stasia_12
- Track 226 : Cintron_11
- Track 227 : AvatarAhPeg_11, Stink_11
- Track 228 : Mundrea_11
- Track 229 : Camperdownii_10
- Track 230 : AbbysRanger_11
- Track 231 : Nyxis_11
- Track 232 : Nemo27_11
- Track 233 : LochMonster_11
- Track 234 : Skipitt_11
- Track 235 : Shygu2_11
- Track 236 : PetterN_10, Benedict_9
- Track 237 : Aragog_9
- Track 238 : Tiger_9, Lev2_9
- Track 239 : AgentM_9, ForGetIt_9, Phlorence_9, Conspiracy_9, PickleBack_9, Archetta_9
- Track 240 : Milcery_9, Swirley_9
- Track 241 : Cuco_9, George_8
- Track 242 : Discoknowium_9
- Track 243 : Coog_9, Midas2_9
- Track 244 : Airmid_9
- Track 245 : LittleCherry_9, HuhtaEnerson15_9

- Track 246 : Micasa_8
- Track 247 : SydNat_9, Zolita_8
- Track 248 : EITiger69_9
- Track 249 : Bonamassa_9
- Track 250 : Jabiru_9
- Track 251 : Chadwick_10, Scorpio_10
- Track 252 : Bluefalcon_8
- Track 253 : Jovo_9
- Track 254 : Tarynearal_8
- Track 255 : MarysWell_8
- Track 256 : UnionJack_9
- Track 257 : Naca_9
- Track 258 : Ghoulboy_9
- Track 259 : Theia_8, Dublin_8
- Track 260 : Newrala_15, Cookiedough_15, Pmask_15, Jordennis_15, Neeharika16_15
- Track 261 : Rifter_15, Gladiator_15, Gruunaga_15
- Track 262 : Isiphiwo_15
- Track 263 : Wiks_15, Koko_15, Hammer_15, Roksolana_15, Tucker_15, Blue7_15, Yokurt_15, Helmet_16, Artemis2UCLA_15, WunderPhul_15, Indra_15, Hexamo_15, Zulu_15, Lilbunny_14, Zaka_15, ToneTone_14, Garak_16
- Track 264 : McFly_15, JewelBug_15, CloudWang3_15, VohminGhazi_15, Jeffabunny_15, SmellyB_15, Dorothea_14, Chartreuse_15, DaVinci_15, Candra_15, Kipper29_15, Priamo_15, Blinn1_15, Kazan_15, Hoot_15, GreedyLawyer_15
- Track 265 : BABullseye_15, EricB_15, SuperCallie99_15
- Track 266 : SuperAwesome_15
- Track 267 : DroogsArmy_12
- Track 268 : HINdeR_11
- Track 269 : PP_21
- Track 270 : Timshel_12
- Track 271 : Sheen_13
- Track 272 : Stephig9_9, Groundhog_8, Danforth_8, Astro_9, Expelliarmus_8
- Track 273 : Phillis_9
- Track 274 : Dixon_9, Smeadley_9, Roary_9
- Track 275 : Saintus_9
- Track 276 : NearlyHeadless_9
- Track 277 : Qobbit_13, Scherzo_13, Phonnegut_13, EmyBug_11, Spouty_12, Beemo_13
- Track 278 : Phaeder_13, ExplosioNervosa_13, Pioneer_13, Conquerage_13, Catalina_13
- Track 279 : BogosyJay_13
- Track 280 : Darrell_14
- Track 281 : Keziacharles14_11
- Track 282 : DreamTeam1_12, Charm_12
- Track 283 : Priya_13, Ugenie5_10, Fayely_13, Tubs_13, Eidsmoe_13, Myxus_13, HortumSL17_13, Aliter_13, Alma_13, PackMan_13
- Track 284 : LoneWolf_13
- Track 285 : Vanisoa_11
- Track 286 : Maminiaina_13
- Track 287 : Toaka_11
- Track 288 : Rahalelujah_11
- Track 289 : Elephantoon_13
- Track 290 : Arissanae_11

- Track 291 : SheaKeira_12
- Track 292 : Yecey3_12
- Track 293 : NoShow_2
- Track 294 : JacoRen57_2
- Track 295 : Maco6_3
- Track 296 : FF47_05, 8UZL_5
- Track 297 : Muddy_5
- Track 298 : Farewell_2, Sparky_2
- Track 299 : Nergal_5
- Track 300 : MalagasyRose_7
- Track 301 : Persistence_2
- Track 302 : Phrank15_2
- Track 303 : Anekin_2
- Track 304 : Hestia_2
- Track 305 : Soondubu_2
- Track 306 : AinMach_2
- Track 307 : Moss_2
- Track 308 : Exile_2
- Track 309 : Lizalica_2
- Track 310 : Eraser_2, Asa16_2, London_2, Niobe_2, Jstan_2
- Track 311 : Pixelle_2
- Track 312 : Kaylissa_2, Powerpuff_2, Tutumahutu_2, YesChef_2, Cyan_2
- Track 313 : JuneStar_2, Yang_2
- Track 314 : ObiToo_2
- Track 315 : Elezi_2
- Track 316 : Nitro_2
- Track 317 : KeAlii_2
- Track 318 : Turab_2
- Track 319 : Lego_2
- Track 320 : MissSwiss_2
- Track 321 : Berrie_2
- Track 322 : IttyBittyPiggy_2
- Track 323 : DrManhattan_2, Adolin_2
- Track 324 : AGrandiflora_2
- Track 325 : AEgle_2
- Track 326 : Amyev_2, Tian_2
- Track 327 : Tallboi_2
- Track 328 : JohnDoe_2, Mudpuppy_2, Tbone_2, Warda_2
- Track 329 : Crewmate_3
- Track 330 : Tuck_3, Phives_3, Community_3
- Track 331 : Adumb2043_2
- Track 332 : Joemato_2, Simpson_2
- Track 333 : TforTroy_2
- Track 334 : Reedo_2
- Track 335 : VResidence_2
- Track 336 : Janeemi_3
- Track 337 : Cassia_2
- Track 338 : Iter_2, Ascela_2
- Track 339 : Wildwest_3
- Track 340 : DrSierra_2
- Track 341 : Pumpkins_2
- Track 342 : Sue2_2
- Track 343 : Liebe_2, Maureen_2

- Track 344 : MaGuCo_2
- Track 345 : Tweety19_3, Snek_3
- Track 346 : MiniMommy_2
- Track 347 : Emotion_2
- Track 348 : ShakeltOph_2, JasmineDragon_2
- Track 349 : VroomVroom_2
- Track 350 : SPB78_2
- Track 351 : VWB_2
- Track 352 : Leviticus_6, Unstoppable_6, Ozzie_6, BeardedLady_7, Esperer_6, SunsetPointe_6
- Track 353 : Rusticus_7, Jash_7, EnochSoames_7
- Track 354 : Sujidade_7, Lika_6, Godpower_7
- Track 355 : Goby_6, Dattran_7
- Track 356 : Phettuccine_6, Bovely_6, Aaronocolus_6, Legacy_6, Indigo_6, Hydra_8, Nerdos_6, Caliburn_6
- Track 357 : Nabi_6, Rana_6
- Track 358 : BarryBee_8, SarahRose_6, Asten_6, Werner_6, Whatever_6, Chucky_6, Dwayne_6, OzzyJ_7, Snorlax_6, Hippo_6
- Track 359 : Emaanora_7
- Track 360 : Eddasa_7, BryanRecycles_7, Izzy_7, Oliynyk_7
- Track 361 : Lorelei_6
- Track 362 : YasdniI_6, Maneekul_6, Ejemplo_6, TuanPN_6
- Track 363 : Nanodon_8
- Track 364 : Triste_6
- Track 365 : TagePhighter_7
- Track 366 : Toma_6
- Track 367 : South40_7, Katalie_7, RedBear_8
- Track 368 : Lannister_7
- Track 369 : Brataylor_7, Zemlya_7, Celeste_6, Danzina_7
- Track 370 : Bowden_7
- Track 371 : Tefunt_6
- Track 372 : Alvy_8, BartholomewSD_8
- Track 373 : Pablito_6
- Track 374 : ELB20_05, R4_6
- Track 375 : Haizum_6
- Track 376 : Omar_7
- Track 377 : Marav_9
- Track 378 : TinaBelcher_6
- Track 379 : Jevington_9
- Track 380 : Caelum_7
- Track 381 : Thestral_7
- Track 382 : Daudau_6
- Track 383 : Amethyst_6
- Track 384 : Zainub_11
- Track 385 : Paedore_6, Loofah_7
- Track 386 : Hank144_7
- Track 387 : Andris_6
- Track 388 : Issmi_7
- Track 389 : Triumph_8
- Track 390 : Paolo_9
- Track 391 : Superstar_8
- Track 392 : TrvxScott_5
- Track 393 : Puginator_10

- Track 394 : SqueakyClean_7
- Track 395 : Animus_7, Janus_7, GirlDinner_7
- Track 396 : Nishikigoi_6
- Track 397 : Diane_6
- Track 398 : Provolone_7
- Track 399 : phiCAM_06
- Track 400 : Yosif_7
- Track 401 : Verse_6, Amela_6
- Track 402 : Vanseggelen_9
- Track 403 : Celery_8
- Track 404 : Saftant_6
- Track 405 : Dexers_5
- Track 406 : Alsaber_7
- Track 407 : ElGato_8, Conan_9
- Track 408 : Verabelle_7
- Track 409 : BroPlease_7
- Track 410 : GreenWeasel_8
- Track 411 : Celia_6, Itza_6, VieEnRose_6
- Track 412 : Urza_6
- Track 413 : phiSASD1_22
- Track 414 : Dubu_2
- Track 415 : Dinger_8, Partridge_8
- Track 416 : Lillie_8, Bradshaw_8, Rhodalysa_8, Swann_8, CosmicSans_8, TWAMP_8, Phrankenstein_8
- Track 417 : BobbyDazzler_8
- Track 418 : Belenaria_8, Naiad_8, Krishelle_8, Espica_8, UhSalsa_8, Nancinator_8, Alatin_8, StCroix_8, Natosaleda_8
- Track 419 : RGL3_1
- Track 420 : AngryOrchard_7, Takoda_8
- Track 421 : RER2_1
- Track 422 : Shuman_8, Rasputin_8, Erik_8, Gollum_8, RexFury_8
- Track 423 : AppleCloud_6
- Track 424 : Yoncess_8, Bonanza_8, Bryce_8, Hiro_8, Yogi_8
- Track 425 : Alpacados_7
- Track 426 : Jester_8, Harlequin_8
- Track 427 : PhailMary_7
- Track 428 : Abscondus_29, Culver_30, Dusty_28
- Track 429 : Miskis_32
- Track 430 : Toniann_30, Engineer_31, Lozinak_30, ClubL_30, Smoothie_31, PhinkBoden_30, Cucurbita_32, Aphelion_30
- Track 431 : Bachita_32, Norvs_31
- Track 432 : WilliamBoone_30
- Track 433 : BrutonGaster_18
- Track 434 : OneUp_24
- Track 435 : Fribs8_5
- Track 436 : Lauer_3
- Track 437 : Sopespian_4, Elliott_4, PsychoKiller_4
- Track 438 : Elinal_5
- Track 439 : KayGee_3
- Track 440 : Vine_5
- Track 441 : MScarn_6, Horseradish_5, Yummy_5
- Track 442 : Azira_6
- Track 443 : Agatha_4

- Track 444 : MAnor_4
- Track 445 : Buttrmilkdreams_4, Troje_4, Biskit_5, SketchMex_3
- Track 446 : Tolls_6
- Track 447 : CherryonLim_5
- Track 448 : Gibbous_4, Dre3_4, Cleo_4
- Track 449 : Amok_3
- Track 450 : Cozz_4, Burnsey_4, Axym_4
- Track 451 : MunkgeeRoachy_5
- Track 452 : Button_5
- Track 453 : Margaret_7
- Track 454 : SummitAcademy_3
- Track 455 : AikoCarson_3
- Track 456 : Hexbug_5
- Track 457 : Jamzy_7
- Track 458 : PotPie_5
- Track 459 : GoldHunter_5, RedBaron_5
- Track 460 : SteamedHams_6
- Track 461 : Survivors_6, MaVan_6, Nibbles_6
- Track 462 : Emalyn_3
- Track 463 : SweatNTears_6
- Track 464 : Nodigi_5
- Track 465 : Feastonyeet_3, BigChungus_3
- Track 466 : SheckWes_3
- Track 467 : HippoPololi_6
- Track 468 : Orla_5
- Track 469 : Yakult_5
- Track 470 : Quasar_4, Nina_4
- Track 471 : Mayweather_5
- Track 472 : GTE2_02
- Track 473 : AndPeggy_3, Yarn_3
- Track 474 : Pons_4
- Track 475 : Typhonmarchy_5
- Track 476 : GiKK_7
- Track 477 : BillDoor_6
- Track 478 : Zareef_7
- Track 479 : BeeGee_2
- Track 480 : Jablanski_2, Pytheas_2
- Track 481 : Posh_2
- Track 482 : LonelyBoi_2
- Track 483 : Cashline_2
- Track 484 : Wrigley_2
- Track 485 : Marteena_2, EnalisNailo_2, Floral_2, EMSquaredA_2, BritBrat_2, Lilas_2, Pollux_2
- Track 486 : Confidence_2
- Track 487 : Bradissa_2
- Track 488 : Angelique_2
- Track 489 : Cardigan_30
- Track 490 : Yvonnestic_28
- Track 491 : Daredevil_12
- Track 492 : DatBoi_13
- Track 493 : Bantam_12
- Track 494 : SpeedDemon_130
- Track 495 : Mollymur_13

- Track 496 : BearBQ_2
- Track 497 : MortyNRick_2
- Track 498 : Birdsong_2
- Track 499 : Apricot_2
- Track 500 : Crater_2
- Track 501 : Kuwabara_2
- Track 502 : Gretchen_2, Percival_2
- Track 503 : Barnstormer_2, UtzChips_2
- Track 504 : Zeta1847_2
- Track 505 : Caron_2
- Track 506 : Cen1621_2
- Track 507 : GardenState_2, IAmGroot_2
- Track 508 : SuMoo_2
- Track 509 : Mabodamaca_2
- Track 510 : Honk_2
- Track 511 : Floof_2
- Track 512 : Arianna_3, Colleen_3, Poushou_3, TouchMeNot_3
- Track 513 : Renaud18_2, TChen_2, LunaStella_2, ThetaBob_2
- Track 514 : Cornie_2
- Track 515 : Hum25_2
- Track 516 : Gattaca_34, RedRaider77_35, Huphlepuuff_37, Raela_35, Lilbit_36, Caprice_32, LittleLaf_35, Blackbeetle_35, Corazon_33, JoieB_36, Marvin_33, Beelzebub_39, VasuNzinga_35, Poise_35, Tesla_34, Pringar_35, MosMoris_33, Clarkson_36
- Track 517 : Nairb_3, RonRayGun_3, Whitty_3, Ibrahim_3, Bernal13_3, ZenTime222_3
- Track 518 : Mendokysei_2
- Track 519 : DS6A_5
- Track 520 : TPA4_2
- Track 521 : Samy_5
- Track 522 : Success_50
- Track 523 : Ibantik_67
- Track 524 : Kromp_2
- Track 525 : Attoomi_3
- Track 526 : Juicebox_3
- Track 527 : GMA4_2
- Track 528 : Footloose_2

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

The start number called the most often in the published annotations is 51, it was called in 557 of the 1050 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- 20ES_12, 40AC_15, A6_09, AFIS_11, AN3_12, AN9_15, ANI8_15, AbbyPaige_14, AbbysRanger_11, Abbyshoes_12, Abdiel_11, Abrogate_120, Achebe_11, Acolyte_12, Adahisdi_12, Adzzy_13, Aeneas_13, Agaliana_11, Agape74_14, Ajay_11, Albee_11, Alberto7_12, Aliter_13, Alma_13, Alsfro_15, Altman_12, Alvin_12, Anaysia_14, Aneem_12, AnnaL29_15, Annyong_11, Anon_12, Anselm_12, Applejack_11, Arcanine_12, ArcherNM_14, Arissanae_11, Arlo_10,

Artemis2UCLA_15, Arturo_10, Atkinbua_12, AvatarAhPeg_11, Avle17_11, B1_09, BABullseye_15, BK1_09, BPBiabs31_12, Baby16_11, BabyBack_13, BabyRay_11, Bachome_12, Backyardigan_11, BaconJack_13, Bactobuster_13, Badger_11, Baehexic_13, BangNhom_10, Barriga_11, Bartimeaus_11, Battleship_15, BeesKnees_12, BellusTerra_11, BengiVuitton_13, Benvolio_12, BiancaTri92_14, BigPaolini_12, Bigfoot_10, BillKnuckles_12, Bircsak_11, Blackmoor_11, Blinn1_15, BluSpix_11, Blue7_15, BlueBird_12, Blue_11, Bob3_10, BobSwaget_15, BogosyJay_13, Bombshell_11, Bones_11, Boohoo_14, Bowtie_12, Briton15_13, Broseidon_11, Bruiser_11, BubbleTrouble_11, Bud_12, Bugatti_11, Buggy_14, Bumblebee11_11, Burger_10, Buttons_12, Bxb1_10, C3_10, CRB1_12, CactusRose_10, Caelakin_11, Camperdownii_10, Candra_15, Caraxes_11, Carlyle_13, Caviar_12, Centaur_14, CentreCat_11, Cerulean_11, ChampagnePapi_11, Chanagan_10, Changeling_15, Chaph_11, Chargerpower_12, Chartreuse_15, Che12_13, ChipMunk_14, Chupacabra_11, Ciao_11, Cici_11, Cindaradix_10, Cintron_11, Citius_11, Clarenza_11, CloudWang3_15, Cocoaberry_11, Colin_16, Commander_11, ConceptII_11, Connomayer_11, Cookiedough_15, Corvo_11, Crispicous1_10, Crucio_12, Cueyllyss_11, D29_13, D32_15, DBQu4n_15, DD5_12, DaVinci_15, Dalmatian_12, DarthPhader_13, Datway_11, Deano_11, DekHockey33_14, Deloris_13, Dexes_12, Dhanush_11, Dignity_14, DirtyDunning_11, Doom_11, Dorothea_14, DrFeelGood_10, Drake55_14, Drake94_10, Dreamboat_12, DroogsArmy_12, Druantia_11, DudeLittle_12, Dulcie_10, Duplo_15, Dussy_12, Dynamix_12, EZMoney23_16, EagleEye_14, Eagle_10, Eaglepride_12, Eapen_11, Ebony_12, Echild_12, Edison31_10, Edtherson_12, Eidsmoe_13, Elephantoon_13, Epsocamisio_14, Equemioh13_14, EricB_15, Eris_11, Eros_11, Espresso_11, Et2Brutus_11, Euphoria_11, Eurydice_11, EvilGenius_14, Eyeball_11, Fameo_12, Farewell_2, Fascinus_10, Fayely_13, Fibonacci_12, FiringLine_12, First_0012, Flare16_12, Flaverint_12, Florean_11, Flux_11, Forsytheast_10, Francis47_11, Fred313_11, FrogHopper_12, Funston_11, Gadost_11, Gail_11, Gandalf20_12, Garak_16, GaugeLDP_14, Georgie2_13, Gilberta_12, Giroux_11, Gladiator_15, Gompeii16_11, Goose_11, Graduation_13, GrecoEtereo_12, GreedyLawyer_15, Gruunaga_15, Gwendoluna_13, HINdeR_11, HamSlice_10, Hami1_13, Hammer_15, HanShotFirst_11, Happiness_11, HarryHoudini_14, HarryOW_12, Heathen_11, Heffalump_14, HelDan_11, Helmet_16, Herbertwm_10, Hermia_13, HermioneGrange_12, Hexamo_15, Holli_11, Homines_11, Hookmount_12, Hoot_15, Hope4ever_11, HortumSL17_13, Houdini22_11, Hutc2_12, ICleared_11, ILeeKay_13, Iceman_11, Ichabod_12, Idleandcovert_11, IgnatiusPatJac_10, Indra_15, Insomnia_11, Iracema64_11, IronMan_14, Isca_11, Isiphiwo_15, Iwokeuplikedis_12, JC27_13, JF2_11, JF4_11, JSwag_14, Jaan_15, Jabith_12, JackSparrow_12, Jasper_12, Jaykayelowell_11, Jeeves_11, Jeffabunny_15, Jerm_14, JetBlade_11, JewelBug_15, JoongJeon_11, Jordennis_15, Jorgensen_11, Joselito_12, JoshKayV_14, Journey13_10, Jsquared_11, JuliaChild_13, KBG_12, KFPoly_11, KSSJEB_11, Kalpine_15, Kamy_11, Kanely_12, Katalie136_11, KatherineG_14, Kazan_15, Kerberos_15, Keziacharles14_11, Killigrew_9, Kimona_8, KingCyrus_14, Kingmustik0402_11, Kipper29_15, KittenMittens_10, Koduck_12, Koko_15, Koreni_10, Kratak_11, Kremtemulon_10, Kristoff_12, Kugel_12, KyMonks1A_13, Kyee_11, Kykar_9, L5_13, LHTSCC_11, LadyBird_12, Lambert1_12, Lamina13_11, Landor_13, LappelDuVide_10, Larenn_13, LastResort_14, Lemur_11, Leogania_14, Lesedi_10, Leviathan_14, Licorice_13, LilBib_12, LiITurb_14, Lilbunny_14, LittleB_11, LittleGuy_11, LochMonster_11, Lockley_11, Loka_15, Looper_15, Lorenzo_11, Loser_15, Luchador_12, Lucivia_12, Lucyedi_13, Lunsford_12, MA5_11, MK4_11, MPlant7149_10, MaCh_12, Mabel_12, Magnar_11, Magnito_10, Malec_13, Maminiaina_13, Manatee_12, Marcell_11, Marchy_9, Margo_12, Maroc7_10,

Marsha_11, MaryBeth_11, Maverick_11, Maxo_11, Mazhar510_11, McFly_15, McGuire_12, Medusa_11, MeeZee_11, Melvin_11, MetalQZJ_11, Michley_11, MiculUcigas_12, Miko_15, MinecraftSteve_15, Miramae_11, MissWhite_12, Molly_12, Moose_10, Morpher26_11, MrGordo_11, Mryolo_10, Mulciber_12, Mule_11, Munch_12, Mundrea_11, Myxus_13, NEHalo_11, NaSiaTalie_12, Naji_15, Nebs_11, Nebulosus_14, Nedarya_13, Neeharika16_15, Nergal_5, Nerujay_12, Newrala_15, Nhonho_11, NicoleTera_16, Noella_12, Noelle_11, Norbert_11, NorthStar_11, Norz_13, NotAPhaseMom_11, NothingSpecial_14, Nyxis_11, OKCentral2016_11, OKaNui_11, Obama12_11, Odin_11, Ohfah_11, Ohno789_10, Oofda_15, Oogway_10, Orange_12, PP_21, PSullivan_12, PacerPaul_11, PackMan_13, PainterBoy_13, Palestino_11, Panamaxus_12, Papez_13, Paphu_10, Paraselene_10, Pari_12, Parliament_10, PascalRango_10, Payneful_10, PeaceMeal1_10, Peaches_11, Pelly_12, Pepe_12, Perplexer_11, Perseus_12, PeterPeter_11, Petersenfast_11, Peterson_14, PetiteSangsue_11, Petruccio_11, Ph8s_13, Phacado_11, Phaded_15, Phantastic_11, Pharaoh_12, Felipe_11, PherrisBueller_12, Phighter1804_11, Phontbonne_11, PhrostyMug_11, PinkPlastic_10, Pinto_13, Pipcraft_11, Piro94_13, Pistachio_12, Pita2_13, Pmask_15, Pocahontas_12, Polymorphads_11, Pomar16_15, Poompha_10, Popcicle_12, Power_12, Priamo_15, Priya_13, Pukovnik_14, Pumbaa_11, Puppy_12, QTRLifeCrisis_14, QueenB2_12, QueenBeesly_12, QuinnKiro_11, Rachaly_15, Rahalelujah_11, Rajelicia_11, ReMo_14, Rebeuca_12, RedRock_15, Refuge_15, Relief_11, Remus_14, ResDef_12, Retro23_12, RhynO_12, Rhynn_11, RidgeCB_11, Rifter_15, Ringer_11, Rockstar_11, Rohr_12, Roksolana_15, Romney_11, Roosevelt_11, Rosalind_14, Ruin_11, Ruotula_10, STLscum_12, Sabertooth_11, Sagefire_12, Salz_12, Sandaddy_10, SarFire_11, SaturnRing_11, Scamp_11, Scout_11, Scowl_12, Seabiscuit_13, Seanderson_12, SemperFi_14, Serenity_11, Severus_10, Shaka_11, Sham4_12, ShayRa_15, Sheen_13, SheldonCooper_11, ShortQueendom_10, Shygu2_11, SkiPole_13, Slagathor_12, Smairt_12, Smeagan_14, Smeagol_12, SmellyB_15, SnapTap_12, Snape_12, Snazzy_9, Solon_11, SororFago_11, Sorpresa_10, Soups_14, Sparky_2, Sparxx_11, Spino_11, Squee_12, StarStuff_15, Stasia_12, Steamy_13, StewieG_10, Stink_11, Strosahl_14, Sumter_10, Sunshine924_10, SuperAwesome_15, SuperCallie99_15, Superchunk_11, SweetiePie_12, SwirlSquare_14, SwissCheese_11, Switzer_12, Switzerland_14, Swole_13, TNguyen7_11, Taquarus_11, Target_13, TarsusIV_12, Tasp14_12, Teodoridan_9, Texage_11, Thanksgivukkah_11, TheloniousMonk_13, Thor_11, Timothy_12, Timshel_12, TinaFeyge_11, TinyTimmy_11, Tinybot_10, TipsytheTRex_11, TiroTheta9_11, Toaka_11, Todacoro_12, Tomathan_15, ToneTone_14, Topanga_11, Topgun_11, Tote_13, Traft412_13, Trike_9, Tripl3t_12, Trixie_15, Trooper_12, Trouble_11, TroyPia_11, Tubs_13, Tucker_15, Turbido_14, Turj99_10, Twister_11, TwoPeat_11, TygerBlood_11, U2_11, Ugenie5_10, Ulysses_10, Updawg_14, VA6_12, VC3_15, Vanisoa_11, Veracruz_11, VohminGhazi_15, Waits_14, WalterMcMickey_11, Wander_11, Watermelon_13, WeiHuaDA_18, Whabigail7_14, Wheeler_11, WideWale_14, Wiks_15, Wilbur_11, Wile_11, Wilkins_11, Wizard007_11, WunderPhul_15, Xena_11, XianYue_12, YoSam321_11, Yokurt_15, Zaka_15, Zeeculate_10, Zephyr_11, Zeuska_12, Zimmer_14, Zulu_15,

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

- Beemo_13, Catalina_13, Charm_12, Conquerage_13, Darrell_14, DreamTeam1_12, EmyBug_11, ExplosioNervosa_13, LeoAvram_11, LoneWolf_13, Nemo27_11, Phaeder_13, Phlei_8, Phonnegut_13, Pioneer_13, Qobbit_13, Scherzo_13, SheaKeira_12, Skipitt_11, Spouty_12, TPA4_2,

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

• 8UZL_5, ACFishhook_13, AEgle_2, AGrandiflora_2, Aaronocolus_6, Abscondus_29, Acme_13, Adolin_2, Adumb2043_2, Agatha_4, AgentM_9, Aglet_13, AgronaGT15_13, AikoCarson_3, AinMach_2, Airmid_9, Alatin_8, Alpacados_7, Alsaber_7, Alvy_8, Amela_6, Amethyst_6, Amok_3, Amyev_2, AndPeggy_3, Andris_6, Anekin_2, Angelique_2, AngryOrchard_7, Animus_7, Anthony_11, Anubis_15, Aphelion_30, AppleCloud_6, Apricot_2, Aragog_9, Archetta_9, Arianna_3, Asa16_2, Ascela_2, Ashballer_10, Asten_6, Astro_9, Attoomi_3, AugsMagnumOpus_15, Axym_4, Azira_6, Bachita_32, Bantam_12, Barnstormer_2, BarryBee_8, BartholomewSD_8, BearBQ_2, BeardedLady_7, Beauxregard13_13, BeeGee_2, Beelzebub_39, Belenaria_8, Benedict_9, Bernal13_3, Berrie_2, BigChungus_3, BigMau_13, BillDoor_6, Birdsong_2, Biskit_5, Blackbeetle_35, Bluefalcon_8, BobbyDazzler_8, Bonamassa_9, Bonanza_8, Bovely_6, Bowden_7, Bradissa_2, Bradshaw_8, Brataylor_7, BreSam8_13, BritBrat_2, BroPlease_7, Bruns_10, BrutonGaster_18, BryanRecycles_7, Bryce_8, Burnsey_4, Burton_12, Button_5, Buttrmlkdreams_4, BuzzBuzz_12, Bxz2_13, Caelum_7, Caliburn_6, Caprice_32, Cardigan_30, Caron_2, Cashline_2, Cassia_2, Celery_8, Celeste_6, Celia_6, Cen1621_2, Chadwick_10, CherryonLim_5, Chucky_6, Clarkson_36, Cleo_4, ClubL_30, Colbster_13, Colleen_3, Community_3, Conan_9, Confidence_2, Conspiracy_9, Coog_9, Corazon_33, Cornie_2, CosmicSans_8, Cozz_4, Crater_2, Crewmate_3, Cuco_9, Cucurbita_32, Cullens_13, Culver_30, Cyan_2, DS6A_5, DaHudson_13, Daishi_12, Danforth_8, Danzina_7, Daredevil_12, DatBoi_13, Dattran_7, Daudau_6, Dexers_5, Diane_6, Dieselweasel_13, Dinger_8, Discoknowium_9, Dixon_9, DrManhattan_2, DrSierra_2, Dre3_4, DreamCatcher_14, Dublin_8, Dubu_2, Dusty_28, Dwayne_6, ELB20_05, EMSquaredA_2, Eddasa_7, Ejemplo_6, ElGato_8, ElTiger69_9, Elezi_2, Elinal_5, Elliott_4, Emaanora_7, Emalyn_3, Emotion_2, EnalisNailo_2, Engineer_31, EnochSoames_7, EpicPhail_13, Eraser_2, Erik_8, Esperer_6, Espica_8, Exile_2, Expelliarmus_8, FF47_05, Fajezeel_13, Farber_13, Feastonyeet_3, Fernando_13, Floof_2, Floral_2, Footloose_2, ForGetIt_9, Fribs8_5, Fushigi_12, GMA4_2, GTE2_02, GageAP_13, GardenState_2, Gattaca_34, Gemma_13, George_8, Ghoulboy_9, GiKK_7, Gibbous_4, GingkoMaracino_13, GirlDinner_7, Goby_6, Godpower_7, GoldHunter_5, Gollum_8, GreenWeasel_8, Greg_13, Gretchen_2, Grif_13, Groundhog_8, Groupthink_14, Grub_13, Grum1_13, GtownJaz_13, Gyzlar_13, Haizum_6, Hank144_7, Harlequin_8, HashRod_14, HaveUMetTed_14, Heliosoles_13, Hercules11_13, Hestia_2, Hexbug_5, HippoPololi_6, Hippo_6, Hiro_8, Honk_2, Horseradish_5, HuhtaEnerson15_9, Hum25_2, Huphlepufl_37, Hydra_8, IAmGroot_2, Ibantik_67, Ibrahim_3, Indigo_6, Issmi_7, Iter_2, IttyBittyPiggy_2, Itza_6, Izzy_7, JHC117_13, Jabiru_9, Jablanski_2, JacoRen57_2, Jamzy_7, Janeemi_3, Janus_7, Jash_7, JasmineDragon_2, JenCasNa_13, JeppNRM_14, Jerm2_12, Jester_8, Jevington_9, Jobu08_13, Joemato_2, JohnDoe_2, JoieB_36, Jovo_9, Jstan_2, Juicebox_3, JuneStar_2, KADY_14, Kalb97_14, Kalnoky_14, Katalie_7, KayGee_3, Kaylissa_2, KeAlii_2, Kenmech_14, Krishelle_8, Kromp_2, Kuwabara_2, LBerry_13, Lannister_7, LarryKay_13, Lauer_3, Legacy_6, Lego_2, Lev2_9, Leviticus_6, Liebe_2, Lika_6, Lilas_2, Lilbit_36, Lilith_13, Lillie_8, LittleCherry_9, LittleLaf_35, Lizalica_2, London_2, LonelyBoi_2, Loofah_7, Lorelei_6, Louie6_13, Lozinak_30, LugYA_15, LunaStella_2, MAnor_4, MScarn_6, MaGuCo_2, MaVan_6, Mabodamaca_2, Maco6_3, MadMarie_13, Mainiac_13, MalagasyRose_7, Malinsilva_15, Maneekul_6, Manu_14, MarQuardt_13, Marav_9, Margaret_7, Marge_12, Marie_13, Marius_14, Marteena_2, Marvin_33, MarysWell_8, Maureen_2, Mayweather_5, Mendokysei_2, Methuselah_13, Micasa_8, Microwolf_13, Midas2_9, Milcery_9, Millski_11, MiniMommy_2, Miskis_32, Misomonster_15, MissSwiss_2, Mollymur_13, Monet_13, MoneyMay_13, Morrow_11, MortyNRick_2, MosMoris_33,

Moss_2, MuchMore_15, Muddy_5, Mudpuppy_2, MunkgeeRoachy_5, Museum_13, MyraDee_9, Nabi_6, Naca_9, Naiad_8, Nairb_3, Nancinator_8, Nanodon_8, Natosaleda_8, NearlyHeadless_9, Nerdos_6, Nibbles_6, Nina_4, Niobe_2, Nishikigoi_6, Nitro_2, Niza_13, NoShow_2, Nodigi_5, Norvs_31, ObiToo_2, OlanP_13, Oliynyk_7, Ollie_13, Omar_7, OneUp_24, Orla_5, Ozzie_6, OzzyJ_7, P28Green_13, PGHhamlin_15, Pablito_6, Paedore_6, Paolo_9, Partridge_8, PattyP_13, Pawn_14, Pembroke_13, Penny1_13, Percival_2, Persistence_2, PetterN_10, PhailMary_7, Phettuccine_6, Phillis_9, PhinkBoden_30, PhishRPhriends_12, Phives_3, Phlorence_9, Phoebe_13, Phoxy_13, Phrank15_2, Phrankenstien_8, Phranny_14, PickleBack_9, Pippin_13, Pixelle_2, Poise_35, Pollux_2, Pons_4, Posh_2, PotPie_5, PotatoSplit_14, Poushou_3, Powerpuff_2, Pringar_35, Provolone_7, PsychoKiller_4, Puginator_10, Pumpkins_2, PurpleHaze_13, Pytheas_2, Quasar_4, R4_6, RER2_1, RGL3_1, Raela_35, Rana_6, Rasputin_8, Reba_14, RedBaron_5, RedBear_8, RedRaider77_35, Reedo_2, Renaud18_2, RexFury_8, Rhodalysa_8, Roary_9, RonRayGun_3, Rubeus_12, Rufus_12, Rummer_13, Rusticus_7, Rutherford_13, SPB78_2, Sabia_13, Sabinator_13, Saftant_6, Saintus_9, Samy_5, SarahRose_6, Scorpia_10, ShakeltOph_2, SheckWes_3, Shuman_8, Sibs6_13, Simpson_2, SketchMex_3, Smeadley_9, Smoothie_31, Snek_3, Snickers_13, Snorlax_6, SoYo_13, SoilDragon_13, Soondubu_2, Sopespian_4, Soshari_15, South40_7, SpeedDemon_130, Spike509_13, SpikeBT_13, SqueakyClean_7, StCroix_8, Stagni_13, SteamedHams_6, StepMih_13, Stephig9_9, SuMoo_2, Success_50, Sue2_2, Sujidade_7, SummitAcademy_3, SunsetPointe_6, Superstar_8, Survivors_6, Swann_8, SweatNTears_6, Swirley_9, SydNat_9, TChen_2, TWAMP_8, TAgePhighter_7, Takoda_8, Tallboi_2, Tarynearal_8, Taurus_13, Tbone_2, Tefunt_6, Tesla_34, TforTroy_2, Theia_8, Thestral_7, ThetaBob_2, Tian_2, Tiffany_13, Tiger_9, TinaBelcher_6, Tolls_6, Toma_6, Toniann_30, TouchMeNot_3, Treddle_13, Triste_6, Triumph_8, Troje_4, TrvxScott_5, TuanPN_6, Tuck_3, Turab_2, Tutumahutu_2, Tweety19_3, Typhonomachy_5, UhSalsa_8, UnionJack_9, Unstoppable_6, Urza_6, UtzChips_2, VResidence_2, VWB_2, Vanseggelen_9, VasuNzinga_35, Verabelle_7, Verse_6, VieEnRose_6, Vine_5, Vix_13, VroomVroom_2, Warda_2, Watson_13, Werner_6, Whatever_6, Whitty_3, Wildwest_3, WilliamBoone_30, Wooldri_15, Wrigley_2, Yakult_5, Yang_2, Yarn_3, Yasdnil_6, Yecey3_12, YesChef_2, Yogi_8, Yoncess_8, Yosif_7, Yummy_5, Yvonnestic_28, Zainub_11, Zareef_7, Zemlya_7, ZenTime222_3, Zeta1847_2, Zetty_12, Zolita_8, phiCAM_06, phiSASD1_22,

Summary by start number:

Start 19:

- Found in 15 of 1180 (1.3%) of genes in pham
- Manual Annotations of this start: 1 of 1050
- Called 6.7% of time when present
- Phage (with cluster) where this start called: Mendokysei_2 (T),

Start 28:

- Found in 38 of 1180 (3.2%) of genes in pham
- Manual Annotations of this start: 19 of 1050
- Called 50.0% of time when present
- Phage (with cluster) where this start called: AgentM_9 (A5), Archetta_9 (A5), Bluefalcon_8 (A5), Conspiracy_9 (A5), Cuco_9 (A5), Discoknowium_9 (A5), Dublin_8 (A5), EITiger69_9 (A5), ForGetIt_9 (A5), George_8 (A5), Ghoulyboy_9 (A5), Milcery_9 (A5), Naca_9 (A5), Phlorence_9 (A5), PickleBack_9 (A5), Swirley_9 (A5),

Tarynearal_8 (A5), Theia_8 (A5), UnionJack_9 (A5),

Start 31:

- Found in 49 of 1180 (4.2%) of genes in pham
- Manual Annotations of this start: 29 of 1050
- Called 61.2% of time when present
- Phage (with cluster) where this start called: Airmid_9 (A5), Aragog_9 (A5), Astro_9 (A8), Benedict_9 (A5), Bonamassa_9 (A5), Chadwick_10 (A5), Coog_9 (A5), Danforth_8 (A8), Dixon_9 (A8), Expelliarmus_8 (A8), Groundhog_8 (A8), HuhtaEnerson15_9 (A5), Jabiru_9 (A5), Jovo_9 (A5), Lev2_9 (A5), LittleCherry_9 (A5), MarysWell_8 (A5), Micasa_8 (A5), Midas2_9 (A5), NearlyHeadless_9 (A8), PetterN_10 (A5), Phillis_9 (A8), Roary_9 (A8), Saintus_9 (A8), Scorpia_10 (A5), Smeadley_9 (A8), StepHig9_9 (A8), SydNat_9 (A5), Tiger_9 (A5), Zolita_8 (A5),

Start 36:

- Found in 18 of 1180 (1.5%) of genes in pham
- Manual Annotations of this start: 1 of 1050
- Called 5.6% of time when present
- Phage (with cluster) where this start called: Provolone_7 (BD3),

Start 39:

- Found in 117 of 1180 (9.9%) of genes in pham
- Manual Annotations of this start: 86 of 1050
- Called 88.0% of time when present
- Phage (with cluster) where this start called: Aaronocolus_6 (BD1), Alsaber_7 (BD3), Alvy_8 (BD2), Amela_6 (BD3), Amethyst_6 (BD2), Andris_6 (BD2), Animus_7 (BD2), Asten_6 (BD1), BarryBee_8 (BD1), BartholomewSD_8 (BD2), Bernal13_3 (T), Bovely_6 (BD1), Bowden_7 (BD2), Brataylor_7 (BD1), BryanRecycles_7 (BD1), Caelum_7 (BD2), Caliburn_6 (BD1), Celery_8 (BD3), Celeste_6 (BD1), Celia_6 (BD6), Chucky_6 (BD1), Conan_9 (BD3), Danzina_7 (BD1), Dattran_7 (BD1), Daudau_6 (BD2), Dexers_5 (BD3), Diane_6 (BD2), Dwayne_6 (BD1), ELB20_05 (BD2), Eddasa_7 (BD1), Ejemplo_6 (BD1), ElGato_8 (BD3), Emaanora_7 (BD1), Footloose_2 (singleton), GirlDinner_7 (BD2), Goby_6 (BD1), Godpower_7 (BD1), Haizum_6 (BD2), Hank144_7 (BD2), Hippo_6 (BD1), Hydra_8 (BD1), Ibrahim_3 (T), Indigo_6 (BD1), Issmi_7 (BD2), Itza_6 (BD6), Izzy_7 (BD1), Janus_7 (BD2), JasmineDragon_2 (AZ4), Jevington_9 (BD2), Katalie_7 (BD1), Lannister_7 (BD1), Legacy_6 (BD1), Lika_6 (BD1), Loofah_7 (BD2), Maneekul_6 (BD1), Marav_9 (BD2), MiniMommy_2 (AZ4), Nabi_6 (BD1), Nairb_3 (T), Nanodon_8 (BD1), Nerdos_6 (BD1), Nishikigoi_6 (BD2), Oliynyk_7 (BD1), Omar_7 (BD2), OzzyJ_7 (BD1), Pablito_6 (BD2), Paedore_6 (BD2), Paolo_9 (BD2), Phettuccine_6 (BD1), Puginator_10 (BD2), R4_6 (BD2), Rana_6 (BD1), RedBear_8 (BD1), RonRayGun_3 (T), SarahRose_6 (BD1), ShakeltOph_2 (AZ4), Snorlax_6 (BD1), South40_7 (BD1), SqueakyClean_7 (BD2), Sujidade_7 (BD1), Superstar_8 (BD2), TAgePhighter_7 (BD1), Tefunt_6 (BD2), Thestral_7 (BD2), TinaBelcher_6 (BD2), Triste_6 (BD1), TrvxScott_5 (BD2), TuanPN_6 (BD1), Urza_6 (BD6), Vanseggelen_9 (BD3), Verabelle_7 (BD3), Verse_6 (BD3), VieEnRose_6 (BD6), VroomVroom_2 (AZ4), Werner_6 (BD1), Whatever_6 (BD1), Whitty_3 (T), Yasdnil_6 (BD1), Yosif_7 (BD3), Zainub_11 (BD2), Zemlya_7 (BD1), ZenTime222_3 (T), phiCAM_06 (BD3),

Start 41:

- Found in 13 of 1180 (1.1%) of genes in pham
- Manual Annotations of this start: 2 of 1050
- Called 15.4% of time when present

- Phage (with cluster) where this start called: Emotion_2 (AZ4), Saftant_6 (BD3),

Start 44:

- Found in 1 of 1180 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1050
- Called 100.0% of time when present
- Phage (with cluster) where this start called: DS6A_5 (singleton),

Start 49:

- Found in 69 of 1180 (5.8%) of genes in pham
- Manual Annotations of this start: 10 of 1050
- Called 15.9% of time when present
- Phage (with cluster) where this start called: BeardedLady_7 (BD1), EnochSoames_7 (BD1), Esperer_6 (BD1), Jash_7 (BD1), Leviticus_6 (BD1), Lorelei_6 (BD1), Ozzie_6 (BD1), Rusticus_7 (BD1), SunsetPointe_6 (BD1), Toma_6 (BD1), Unstoppable_6 (BD1),

Start 50:

- Found in 2 of 1180 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 1050
- Called 50.0% of time when present
- Phage (with cluster) where this start called: MalagasyRose_7 (AG),

Start 51:

- Found in 627 of 1180 (53.1%) of genes in pham
- Manual Annotations of this start: 557 of 1050
- Called 96.7% of time when present
- Phage (with cluster) where this start called: 20ES_12 (A2), 40AC_15 (A17), A6_09 (A1), AFIS_11 (A1), AN3_12 (A2), AN9_15 (A2), ANI8_15 (A2), AbbyPaige_14 (A2), AbbysRanger_11 (A4), Abbyshoes_12 (A1), Abdiel_11 (A4), Abrogate_120 (A1), Achebe_11 (A4), Acolyte_12 (A2), Adahisdi_12 (A1), Adzzy_13 (A2), Aeneas_13 (A1), Agaliana_11 (A1), Agape74_14 (A2), Ajay_11 (A1), Albee_11 (A4), Alberto7_12 (A4), Aliter_13 (A9), Alma_13 (A9), Alsfro_15 (A1), Altman_12 (A1), Alvin_12 (A1), Anaysia_14 (A15), Aneem_12 (A11), AnnaL29_15 (A2), Annyong_11 (A4), Anon_12 (A15), Anselm_12 (A2), Applejack_11 (A1), Arcanine_12 (A1), ArcherNM_14 (A2), Arissanae_11 (A9), Arlo_10 (A1), Artemis2UCLA_15 (A6), Arturo_10 (A4), Atkinbua_12 (A1), AvatarAhPeg_11 (A4), Avle17_11 (A4), B1_09 (A3), BABullseye_15 (A6), BK1_09 (A1), BPBiebs31_12 (A1), Baby16_11 (A4), BabyBack_13 (A2), BabyRay_11 (A3), Bachome_12 (A11), Backyardigan_11 (A4), BaconJack_13 (A1), Bactobuster_13 (A2), Badger_11 (A4), Baehexic_13 (A2), BangNhom_10 (A4), Barriga_11 (A1), Bartimeaus_11 (A4), Battleship_15 (A15), BeesKnees_12 (A1), BellusTerra_11 (A4), BengiVuitton_13 (A2), Benvolio_12 (A2), BiancaTri92_14 (A2), BigPaolini_12 (A1), Bigfoot_10 (A1), BillKnuckles_12 (A1), Bircsak_11 (A1), Blackmoor_11 (A4), Blinn1_15 (A6), BluSpix_11 (A1), Blue7_15 (A6), BlueBird_12 (A3), Blue_11 (A1), Bob3_10 (A1), BobSwaget_15 (A2), BogosyJay_13 (A9), Bombshell_11 (A4), Bones_11 (A1), Boohoo_14 (A15), Bowtie_12 (A11), Briton15_13 (A1), Broseidon_11 (A4), Bruiser_11 (A4), BubbleTrouble_11 (A4), Bud_12 (A11), Bugatti_11 (A3), Buggy_14 (A2), Bumblebee11_11 (A4), Burger_10 (A4), Buttons_12 (A1), Bxb1_10 (A1), C3_10 (A2), CRB1_12 (A2), CactusRose_10 (A1), Caelakin_11 (A4), Camperdownii_10 (A4), Candra_15 (A6), Caraxes_11 (A2), Carlyle_13 (A1), Caviar_12 (A3), Centaur_14 (A2), CentreCat_11 (A4), Cerulean_11 (A4), ChampagnePapi_11 (A4), Chanagan_10 (A1), Changeling_15 (A2), Chaph_11 (A4), Chargerpower_12 (A), Chartreuse_15

(A6), Che12_13 (A2), ChipMunk_14 (A2), Chupacabra_11 (A10), Ciao_11 (A1), Cici_11 (A4), Cindaradix_10 (A4), Cintron_11 (A4), Citius_11 (A4), Clarenza_11 (A4), CloudWang3_15 (A6), Cocoaberry_11 (A4), Colin_16 (A2), Commander_11 (A4), Conceptll_11 (A1), Connomayer_11 (A4), Cookiedough_15 (A6), Corvo_11 (A1), Crispicious1_10 (A1), Crucio_12 (A2), Cueylyss_11 (A1), D29_13 (A2), D32_15 (A2), DBQu4n_15 (A2), DD5_12 (A1), DaVinci_15 (A6), Dalmatian_12 (A2), DarthPhader_13 (A12), Datway_11 (A4), Deano_11 (A4), DekHockey33_14 (A15), Deloris_13 (A2), Dexes_12 (A1), Dhanush_11 (A4), Dignity_14 (A2), DirtyDunning_11 (A4), Doom_11 (A1), Dorothea_14 (A6), DrFeelGood_10 (A1), Drake55_14 (A2), Drake94_10 (A10), Dreamboat_12 (A1), DroogsArmy_12 (A7), Druantia_11 (A4), DudeLittle_12 (A2), Dulcie_10 (A1), Duplo_15 (A2), Dussy_12 (A1), Dynamix_12 (A1), EZMoney23_16 (A2), EagleEye_14 (A16), Eagle_10 (A4), Eaglepride_12 (A10), Eapen_11 (A4), Ebony_12 (A11), Echild_12 (A2), Edison31_10 (A10), Edtherson_12 (A1), Eidsmoe_13 (A9), Elephantoon_13 (A9), Epsocamisio_14 (A15), Equemioh13_14 (A2), EricB_15 (A6), Eris_11 (A4), Eros_11 (A4), Espresso_11 (A1), Et2Brutus_11 (A11), Euphoria_11 (A1), Eurydice_11 (A4), EvilGenius_14 (A2), Eyeball_11 (A1), Fameo_12 (A2), Farewell_2 (AF), Fascinus_10 (A1), Fayely_13 (A9), Fibonacci_12 (A11), FiringLine_12 (A2), First_0012 (A2), Flare16_12 (A2), Flaverint_12 (A11), Florean_11 (A4), Flux_11 (A4), Forsytheast_10 (A1), Francis47_11 (A1), Fred313_11 (A3), Froghopper_12 (A1), Funston_11 (A4), Gadost_11 (A4), Gail_11 (A14), Gandalf20_12 (A1), Garak_16 (A6), GaugeLDP_14 (A2), Georgie2_13 (A2), Gilberta_12 (A11), Giroux_11 (A3), Gladiator_15 (A6), Gompeii16_11 (A1), Goose_11 (A10), Graduation_13 (A1), GrecoEtereo_12 (A1), GreedyLawyer_15 (A6), Gruunaga_15 (A6), Gwendoluna_13 (A1), HINdeR_11 (A7), HamSlice_10 (A4), Hami1_13 (A1), Hammer_15 (A6), HanShotFirst_11 (A1), Happiness_11 (A4), HarryHoudini_14 (A2), HarryOW_12 (A1), Heathen_11 (A3), Heffalump_14 (A2), HelDan_11 (A3), Helmet_16 (A6), Herbertwm_10 (A2), Hermia_13 (A1), HermioneGrange_12 (A1), Hexamo_15 (A6), Holli_11 (A4), Homines_11 (A1), Hookmount_12 (A3), Hoot_15 (A6), Hope4ever_11 (A1), HortumSL17_13 (A9), Houdini22_11 (A4), Hutc2_12 (A11), ICleared_11 (A4), ILeeKay_13 (A1), Iceman_11 (A4), Ichabod_12 (A1), Idleandcovert_11 (A3), IgnatiusPatJac_10 (A1), Indra_15 (A6), Insomnia_11 (A11), Iracema64_11 (A4), IronMan_14 (A2), Isca_11 (A3), Isiphiwo_15 (A6), Iwokeuplikedis_12 (A2), JC27_13 (A1), JF2_11 (A3), JF4_11 (A3), JSwag_14 (A15), Jaan_15 (A2), Jabith_12 (A11), JackSparrow_12 (A1), Jasper_12 (A1), Jaykayelowell_11 (A4), Jeeves_11 (A14), Jeffabunny_15 (A6), Jerm_14 (A2), JetBlade_11 (A4), JewelBug_15 (A6), JoongJeon_11 (A4), Jordennis_15 (A6), Jorgensen_11 (A1), Joselito_12 (A11), JoshKayV_14 (A2), Journey13_10 (A2), Jsquared_11 (A2), JuliaChild_13 (A1), KBG_12 (A1), KFPoly_11 (A4), KSSJEB_11 (A1), Kalpine_15 (A2), Kampy_11 (A4), Kanely_12 (A1), Katalie136_11 (A4), KatherineG_14 (A15), Kazan_15 (A6), Kerberos_15 (A2), Keziacharles14_11 (A9), Killigrew_9 (A1), Kimona_8 (A19), KingCyrus_14 (A2), Kingmustik0402_11 (A4), Kipper29_15 (A6), KittenMittens_10 (A10), Koduck_12 (A2), Koko_15 (A6), Koreni_10 (A4), Kratark_11 (A4), Kremtemulon_10 (A4), Kristoff_12 (A10), Kugel_12 (A1), KyMonks1A_13 (A1), Kyee_11 (A4), Kykar_9 (A1), L5_13 (A2), LHTSCC_11 (A4), LadyBird_12 (A2), Lambert1_12 (A3), Lamina13_11 (A1), Landor_13 (A2), LappelDuVide_10 (A4), Larenn_13 (A2), LastResort_14 (A15), Lemur_11 (A4), Leogania_14 (A2), Lesedi_10 (A1), Leviathan_14 (A2), Licorice_13 (A1), LilBib_12 (A1), LilTurb_14 (A2), Lilbunny_14 (A6), LittleB_11 (A4), LittleGuy_11 (A4), LochMonster_11 (A4), Lockley_11 (A1), Lokk_15 (A2), Looper_15 (A15), Lorenzo_11 (A4), Loser_15 (A2), Luchador_12 (A14), Lucivia_12 (A11), Lucyedi_13 (A16), Lunsford_12 (A4), MA5_11 (A3), MK4_11 (A3), MPlant7149_10 (A1), MaCh_12 (A11), Mabel_12 (A11), Magnar_11 (A1), Magnito_10 (A1), Malec_13 (A2), Maminiaina_13 (A9), Manatee_12

(A1), Marcell_11 (A1), Marchy_9 (A1), Margo_12 (A3), Maroc7_10 (A1), Marsha_11 (A1), MaryBeth_11 (A1), Maverick_11 (A4), Maxo_11 (A4), Mazhar510_11 (A4), McFly_15 (A6), McGuire_12 (A1), Medusa_11 (A4), MeeZee_11 (A4), Melvin_11 (A4), MetalQZJ_11 (A1), Michley_11 (A1), MiculUcigas_12 (A2), Miko_15 (A2), MinecraftSteve_15 (A15), Miramae_11 (A4), MissWhite_12 (A2), Molly_12 (A1), Moose_10 (A1), Morpher26_11 (A4), MrGordo_11 (A1), Mryolo_10 (A1), Mulciber_12 (A11), Mule_11 (A1), Munch_12 (A11), Mundrea_11 (A4), Myxus_13 (A9), NEHalo_11 (A1), NaSiaTalie_12 (A2), Naji_15 (A2), Nebs_11 (A4), Nebulosus_14 (A15), Nedarya_13 (A15), Neeharika16_15 (A6), Nergal_5 (AG), Nerujay_12 (A1), Newrala_15 (A6), Nhonho_11 (A1), NicoleTera_16 (A2), Noella_12 (A3), Noelle_11 (A4), Norbert_11 (A3), NorthStar_11 (A4), Norz_13 (A1), NotAPhaseMom_11 (A4), NothingSpecial_14 (A2), Nyxis_11 (A4), OKCentral2016_11 (A10), OKaNui_11 (A4), Obama12_11 (A4), Odin_11 (A2), Ohfah_11 (A4), Ohno789_10 (A1), Oofda_15 (A15), Oogway_10 (A1), Orange_12 (A11), PP_21 (A7), PSullivan_12 (A1), PacerPaul_11 (A1), PackMan_13 (A9), PainterBoy_13 (A16), Palestino_11 (A4), Panamaxus_12 (A3), Papez_13 (A1), Paphu_10 (A1), Paraselene_10 (A1), Pari_12 (A1), Parliament_10 (A1), PascalRango_10 (A1), Payneful_10 (A1), PeaceMeal1_10 (A10), Peaches_11 (A4), Pelly_12 (A1), Pepe_12 (A1), Perplexer_11 (A4), Perseus_12 (A1), PeterPeter_11 (A4), Petersenfast_11 (A11), Peterson_14 (A1), PetiteSangsue_11 (A4), Petruccio_11 (A1), Ph8s_13 (A2), Phacado_11 (A4), Phaded_15 (A2), Phantastic_11 (A3), Pharaoh_12 (A12), Felipe_11 (A4), PherrisBueller_12 (A1), Phighter1804_11 (A4), Phontbonne_11 (A4), PhrostyMug_11 (A1), PinkPlastic_10 (A1), Pinto_13 (A1), Pipcraft_11 (A4), Piro94_13 (A2), Pistachio_12 (A3), Pita2_13 (A1), Pmask_15 (A6), Pocahontas_12 (A3), Polymorphads_11 (A4), Pomar16_15 (A2), Poompha_10 (A10), Popcicle_12 (A3), Power_12 (A2), Priamo_15 (A6), Priya_13 (A9), Pukovnik_14 (A2), Pumbaa_11 (A4), Puppy_12 (A3), QTRlifeCrisis_14 (A1), QueenB2_12 (A2), QueenBeesly_12 (A2), QuinnKiro_11 (A3), Rachaly_15 (A2), Rahalelujah_11 (A9), Rajelicia_11 (A1), ReMo_14 (A15), Rebeuca_12 (A10), RedRock_15 (A2), Refuge_15 (A12), Relief_11 (A4), Remus_14 (A15), ResDef_12 (A3), Retro23_12 (A2), RhynO_12 (A10), Rhynn_11 (A1), RidgeCB_11 (A1), Rifter_15 (A6), Ringer_11 (A1), Rockstar_11 (A3), Rohr_12 (A1), Roksolana_15 (A6), Romney_11 (A4), Roosevelt_11 (A4), Rosalind_14 (A15), Ruin_11 (A4), Ruotula_10 (A1), STLscum_12 (A1), Sabertooth_11 (A4), Sagefire_12 (A1), Salz_12 (A11), Sandaddy_10 (A1), SarFire_11 (A1), SaturnRing_11 (A3), Scamp_11 (A4), Scout_11 (A3), Scowl_12 (A1), Seabiscuit_13 (A1), Seanderson_12 (A1), SemperFi_14 (A2), Serenity_11 (A2), Severus_10 (A10), Shaka_11 (A4), Sham4_12 (A11), ShayRa_15 (A15), Sheen_13 (A7), SheldonCooper_11 (A4), ShortQueendom_10 (A1), Shygu2_11 (A4), SkiPole_13 (A1), Slagathor_12 (A1), Smairt_12 (A1), Smeagan_14 (A2), Smeagol_12 (A1), SmellyB_15 (A6), SnapTap_12 (A2), Snape_12 (A11), Snazzy_9 (A1), Solon_11 (A1), SororFago_11 (A14), Sorpresa_10 (A1), Soups_14 (A15), Sparky_2 (AF), Sparxx_11 (A4), Spino_11 (A4), Squee_12 (A1), StarStuff_15 (A2), Stasia_12 (A4), Steamy_13 (A12), StewieG_10 (A1), Stink_11 (A4), Strosahl_14 (A15), Sumter_10 (A1), Sunshine924_10 (A1), SuperAwesome_15 (A6), SuperCallie99_15 (A6), Superchunk_11 (A2), SweetiePie_12 (A2), SwiriSquare_14 (A2), SwissCheese_11 (A1), Switzer_12 (A1), Switzerland_14 (A15), Swole_13 (A1), TNguyen7_11 (A3), Taquarus_11 (A4), Target_13 (A1), TarsusIV_12 (A2), Tasp14_12 (A1), Teodoridan_9 (A1), Texage_11 (A3), Thanksgivukkah_11 (A4), TheloniousMonk_13 (A1), Thor_11 (A1), Timothy_12 (A11), Timshel_12 (A7), TinaFeyge_11 (A4), TinyTimmy_11 (A11), Tinybot_10 (A4), TopsytheTRex_11 (A2), TiroTheta9_11 (A4), Toaka_11 (A9), Todacoro_12 (A3), Tomathan_15 (A2), ToneTone_14 (A6), Topanga_11 (A10), Topgun_11 (A1), Tote_13 (A1), Traft412_13 (A1), Trike_9 (A10), Tripl3t_12 (A1), Trixie_15 (A2), Trooper_12 (A2), Trouble_11

(A1), TroyPia_11 (A4), Tubs_13 (A9), Tucker_15 (A6), Turbido_14 (A2), Turj99_10 (A1), Twister_11 (A10), TwoPeat_11 (A1), TygerBlood_11 (A4), U2_11 (A1), Ugenie5_10 (A9), Ulysses_10 (A4), Updawg_14 (A2), VA6_12 (A2), VC3_15 (A2), Vanisoa_11 (A9), Veracruz_11 (A3), VohminGhazi_15 (A6), Waits_14 (A15), WalterMcMickey_11 (A10), Wander_11 (A4), Watermelon_13 (A1), WeiHuaDA_18 (A2), Whabigail7_14 (A2), Wheeler_11 (A1), WideWale_14 (A2), Wiks_15 (A6), Wilbur_11 (A4), Wile_11 (A4), Wilkins_11 (A1), Wizard007_11 (A4), WunderPhul_15 (A6), Xena_11 (A4), XianYue_12 (A2), YoSam321_11 (A4), Yokurt_15 (A6), Zaka_15 (A6), Zeeculate_10 (A1), Zephyr_11 (A1), Zeuska_12 (A1), Zimmer_14 (A12), Zulu_15 (A6),

Start 52:

- Found in 106 of 1180 (9.0%) of genes in pham
- Manual Annotations of this start: 102 of 1050
- Called 99.1% of time when present
- Phage (with cluster) where this start called: ACFishhook_13 (A3), Aglet_13 (A3), AgronaGT15_13 (A3), Angelique_2 (CY1), Anubis_15 (A3), AugsMagnumOpus_15 (A3), Beauregard13_13 (A3), BeeGee_2 (CY), Bradissa_2 (CY1), BreSam8_13 (A3), BritBrat_2 (CY2), BuzzBuzz_12 (A3), Bxz2_13 (A3), Cashline_2 (CY), Colbster_13 (A3), Confidence_2 (CY1), Cullens_13 (A3), DaHudson_13 (A3), Daishi_12 (A3), Dieselweasel_13 (A3), EMSquaredA_2 (CY1), EnalisNailo_2 (CY1), EpicPhail_13 (A3), Farber_13 (A3), Fernando_13 (A3), Floral_2 (CY1), Gemma_13 (A3), GingkoMaracino_13 (A3), Grif_13 (A3), Groupthink_14 (A3), Grub_13 (A3), Grum1_13 (A3), GtownJaz_13 (A3), HashRod_14 (A3), HaveUMetTed_14 (A3), Heliosoles_13 (A3), Hercules11_13 (A3), JHC117_13 (A3), Jablanski_2 (CY), JenCasNa_13 (A3), JeppNRM_14 (A3), Jobu08_13 (A3), KADY_14 (A3), Kalb97_14 (A3), Kalnoky_14 (A3), LBerry_13 (A3), LarryKay_13 (A3), Lilas_2 (CY1), Lilith_13 (A3), LonelyBoi_2 (CY), Louie6_13 (A3), LugYA_15 (A3), LunaStella_2 (F4), MadMarie_13 (A3), Mainiac_13 (A3), Malinsilva_15 (A3), Manu_14 (A3), MarQuardt_13 (A3), Marie_13 (A3), Marius_14 (A3), Marteena_2 (CY1), Methuselah_13 (A3), Microwolf_13 (A3), Millski_11 (A4), Misomonster_15 (A3), MoneyMay_13 (A3), Morrow_11 (A4), MuchMore_15 (A3), OlanP_13 (A3), Ollie_13 (A3), P28Green_13 (A3), PGHhamlin_15 (A3), Pawn_14 (A3), Pembroke_13 (A3), Penny1_13 (A3), PhishRPhriends_12 (A3), Phoebe_13 (A3), Phoxy_13 (A3), Phranny_14 (A3), Pollux_2 (CY1), Posh_2 (CY), PotatoSplit_14 (A3), PurpleHaze_13 (A3), Pytheas_2 (CY), Reba_14 (A3), Renaud18_2 (F4), Rummer_13 (A3), Sabia_13 (A3), Sabinator_13 (A3), Snickers_13 (A3), SoYo_13 (A3), SoilDragon_13 (A3), Soshari_15 (A3), Spike509_13 (A3), Stagni_13 (A3), StepMih_13 (A3), TChen_2 (F4), Taurus_13 (A3), ThetaBob_2 (F4), Tiffany_13 (A3), Vix_13 (A3), Watson_13 (A3), Wooldri_15 (A3), Wrigley_2 (CY), Zetzy_12 (A3),

Start 53:

- Found in 48 of 1180 (4.1%) of genes in pham
- Manual Annotations of this start: 36 of 1050
- Called 77.1% of time when present
- Phage (with cluster) where this start called: Alatin_8 (CA), Alpacados_7 (CA), AngryOrchard_7 (CA), Anthony_11 (A20), AppleCloud_6 (CA), Belenaria_8 (CA), Bonanza_8 (CA), Bradshaw_8 (CA), Bryce_8 (CA), CosmicSans_8 (CA), Dinger_8 (CA), Erik_8 (CA), Espica_8 (CA), Gollum_8 (CA), Harlequin_8 (CA), Hiro_8 (CA), Jester_8 (CA), Krishelle_8 (CA), Lillie_8 (CA), Naiad_8 (CA), Nancinator_8 (CA), Natosaleda_8 (CA), Partridge_8 (CA), PhailMary_7 (CA), Phrankenstien_8 (CA), RER2_1 (CA), Rasputin_8 (CA), RexFury_8 (CA), Rhodalysa_8 (CA), Shuman_8 (CA), StCroix_8 (CA), Swann_8 (CA), TWAMP_8 (CA), Takoda_8 (CA), UhSalsa_8

(CA), Yogi_8 (CA), Yoncess_8 (CA),

Start 54:

- Found in 37 of 1180 (3.1%) of genes in pham
- Manual Annotations of this start: 35 of 1050
- Called 97.3% of time when present
- Phage (with cluster) where this start called: Acme_13 (A1), Barnstormer_2 (EH), BigMau_13 (A1), Bruns_10 (A1), Burton_12 (A1), Caron_2 (EH), Cen1621_2 (EH), DreamCatcher_14 (A1), Fajezeel_13 (A1), Floof_2 (EH), Fushigi_12 (A1), GageAP_13 (A1), GardenState_2 (EH), Greg_13 (A1), Gretchen_2 (EH), Gyzlar_13 (A1), IAmGroot_2 (EH), Jerm2_12 (A1), Kenmech_14 (A1), Mabodamaca_2 (EH), Marge_12 (A1), Monet_13 (A1), Museum_13 (A1), Niza_13 (A1), PattyP_13 (A1), Percival_2 (EH), Pippin_13 (A1), Rubeus_12 (A1), Rufus_12 (A1), Rutherford_13 (A1), Sibs6_13 (A1), SpikeBT_13 (A1), SuMoo_2 (EH), Treddle_13 (A1), UtzChips_2 (EH), Zeta1847_2 (EH),

Start 55:

- Found in 53 of 1180 (4.5%) of genes in pham
- Manual Annotations of this start: 34 of 1050
- Called 98.1% of time when present
- Phage (with cluster) where this start called: AEgle_2 (AZ1), AGrandiflora_2 (AZ1), Adumb2043_2 (AZ1), AinMach_2 (AZ), Amyev_2 (AZ1), Asa16_2 (AZ1), Ascela_2 (AZ1), Berrie_2 (AZ1), Cassia_2 (AZ1), Community_3 (AZ1), Crewmate_3 (AZ1), Cyan_2 (AZ1), DrSierra_2 (AZ1), Elezi_2 (AZ1), Eraser_2 (AZ1), Exile_2 (AZ), Iter_2 (AZ1), IttyBittyPiggy_2 (AZ1), Janeemi_3 (AZ1), Joemato_2 (AZ1), JohnDoe_2 (AZ1), Jstan_2 (AZ1), JuneStar_2 (AZ1), Kaylissa_2 (AZ1), Lego_2 (AZ1), Liebe_2 (AZ2), Lizalica_2 (AZ1), London_2 (AZ1), MaGuCo_2 (AZ2), Maureen_2 (AZ2), Mudpuppy_2 (AZ1), Niobe_2 (AZ1), Nitro_2 (AZ1), ObiToo_2 (AZ1), Phives_3 (AZ1), Powerpuff_2 (AZ1), Pumpkins_2 (AZ1), Simpson_2 (AZ1), Sneak_3 (AZ3), Soondubu_2 (AZ), Tallboi_2 (AZ1), Tbone_2 (AZ1), TforTroy_2 (AZ1), Tian_2 (AZ1), Tuck_3 (AZ1), Turab_2 (AZ1), Tutumahutu_2 (AZ1), Tweety19_3 (AZ3), Warda_2 (AZ1), Wildwest_3 (AZ1), Yang_2 (AZ1), YesChef_2 (AZ1),

Start 56:

- Found in 1 of 1180 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1050
- Called 100.0% of time when present
- Phage (with cluster) where this start called: MyraDee_9 (A18),

Start 57:

- Found in 7 of 1180 (0.6%) of genes in pham
- Manual Annotations of this start: 5 of 1050
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Adolin_2 (AZ1), DrManhattan_2 (AZ1), KeAlii_2 (AZ1), MissSwiss_2 (AZ1), Reedo_2 (AZ1), Sue2_2 (AZ1), VResidence_2 (AZ1),

Start 60:

- Found in 33 of 1180 (2.8%) of genes in pham
- Manual Annotations of this start: 10 of 1050
- Called 33.3% of time when present
- Phage (with cluster) where this start called: Catalina_13 (A9), Charm_12 (A9), Conquerage_13 (A9), Darrell_14 (A9), DreamTeam1_12 (A9), ExplosioNervosa_13

(A9), LoneWolf_13 (A9), Phaeder_13 (A9), Pioneer_13 (A9), SheaKeira_12 (A9), Yecey3_12 (A9),

Start 63:

- Found in 62 of 1180 (5.3%) of genes in pham
- Manual Annotations of this start: 4 of 1050
- Called 11.3% of time when present
- Phage (with cluster) where this start called: Beemo_13 (A9), EmyBug_11 (A9), Moss_2 (AZ), Phonnegut_13 (A9), Qobbit_13 (A9), Scherzo_13 (A9), Spouty_12 (A9),

Start 64:

- Found in 7 of 1180 (0.6%) of genes in pham
- Manual Annotations of this start: 1 of 1050
- Called 14.3% of time when present
- Phage (with cluster) where this start called: Honk_2 (EH),

Start 65:

- Found in 181 of 1180 (15.3%) of genes in pham
- Manual Annotations of this start: 1 of 1050
- Called 0.6% of time when present
- Phage (with cluster) where this start called: Nemo27_11 (A4),

Start 68:

- Found in 2 of 1180 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 1050
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Attoomi_3 (singleton), GMA4_2 (singleton),

Start 72:

- Found in 23 of 1180 (1.9%) of genes in pham
- Manual Annotations of this start: 1 of 1050
- Called 13.0% of time when present
- Phage (with cluster) where this start called: Juicebox_3 (singleton), Phlei_8 (A13), TPA4_2 (singleton),

Start 73:

- Found in 6 of 1180 (0.5%) of genes in pham
- Manual Annotations of this start: 1 of 1050
- Called 33.3% of time when present
- Phage (with cluster) where this start called: Apricot_2 (DN3), MortyNRick_2 (DN),

Start 75:

- Found in 7 of 1180 (0.6%) of genes in pham
- Manual Annotations of this start: 1 of 1050
- Called 14.3% of time when present
- Phage (with cluster) where this start called: Ibantik_67 (singleton),

Start 76:

- Found in 4 of 1180 (0.3%) of genes in pham
- Manual Annotations of this start: 4 of 1050
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Arianna_3 (EO), Colleen_3 (EO), Poushou_3 (EO), TouchMeNot_3 (EO),

Start 80:

- Found in 5 of 1180 (0.4%) of genes in pham
- No Manual Annotations of this start.
- Called 40.0% of time when present
- Phage (with cluster) where this start called: Anekin_2 (AY), Hum25_2 (FQ),

Start 82:

- Found in 1 of 1180 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1050
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Success_50 (singleton),

Start 84:

- Found in 30 of 1180 (2.5%) of genes in pham
- Manual Annotations of this start: 21 of 1050
- Called 83.3% of time when present
- Phage (with cluster) where this start called: Abscondus_29 (CQ), Aphelion_30 (CQ1), Bachita_32 (CQ1), Bantam_12 (DL), BrutonGaster_18 (CQ2), Cardigan_30 (DD), ClubL_30 (CQ1), Cucurbita_32 (CQ1), Culver_30 (CQ1), Daredevil_12 (DL), DatBoi_13 (DL), Dusty_28 (CQ), Engineer_31 (CQ1), Lozinak_30 (CQ1), Miskis_32 (CQ), Mollymur_13 (DL), Norvs_31 (CQ), OneUp_24 (CQ2), PhinkBoden_30 (CQ1), Samy_5 (singleton), Smoothie_31 (CQ1), SpeedDemon_130 (DL), Toniann_30 (CQ1), WilliamBoone_30 (CQ1), Yvonnestic_28 (DD),

Start 85:

- Found in 14 of 1180 (1.2%) of genes in pham
- Manual Annotations of this start: 9 of 1050
- Called 71.4% of time when present
- Phage (with cluster) where this start called: Button_5 (CT), GiKK_7 (CT), Hexbug_5 (CT), Jamzy_7 (CT), Kromp_2 (singleton), Margaret_7 (CT), Nodigi_5 (CT), Orla_5 (CT), SPB78_2 (BA), Yakult_5 (CT),

Start 87:

- Found in 84 of 1180 (7.1%) of genes in pham
- Manual Annotations of this start: 64 of 1050
- Called 95.2% of time when present
- Phage (with cluster) where this start called: 8UZL_5 (AB), Agatha_4 (CT), AikoCarson_3 (CT), Amok_3 (CT), AndPeggy_3 (CT), Axym_4 (CT), Azira_6 (CT), BearBQ_2 (DN), Beelzebub_39 (S), BigChungus_3 (CT), BillDoor_6 (CT), Birdsong_2 (DN), Biskit_5 (CT), Blackbeetle_35 (S), Burnsey_4 (CT), Buttrmlkdreams_4 (CT), Caprice_32 (S), CherryonLim_5 (CT), Clarkson_36 (S), Cleo_4 (CT), Corazon_33 (S), Cornie_2 (F5), Cozz_4 (CT), Crater_2 (DN3), Dre3_4 (CT), Elinal_5 (CT), Elliott_4 (CT), Emalyn_3 (CT), FF47_05 (AB), Feastonyeet_3 (CT), Fribs8_5 (CT), GTE2_02 (CT), Gattaca_34 (S), Gibbous_4 (CT), GoldHunter_5 (CT), HippoPololi_6 (CT), Horseradish_5 (CT), Huphlepuuff_37 (S), JacoRen57_2 (AB), JoieB_36 (S), KayGee_3 (CT), Kuwabara_2 (DN4), Lauer_3 (CT), Lilbit_36 (S), LittleLaf_35 (S), MAnor_4 (CT), MScarn_6 (CT), MaVan_6 (CT), Maco6_3 (AB), Marvin_33 (S), Mayweather_5 (CT), MosMoris_33 (S), Muddy_5 (AB), MunkgeeRoachy_5 (CT), Nibbles_6 (CT), Nina_4 (CT), NoShow_2 (AB), Poise_35 (S), Pons_4 (CT), PotPie_5 (CT), Pringar_35 (S), PsychoKiller_4 (CT), Quasar_4

(CT), Raela_35 (S), RedBaron_5 (CT), RedRaider77_35 (S), SketchMex_3 (CT), Sopespian_4 (CT), SteamedHams_6 (CT), SummitAcademy_3 (CT), Survivors_6 (CT), SweatNTears_6 (CT), Tesla_34 (S), Tolls_6 (CT), Troje_4 (CT), Typhonomachy_5 (CT), VasuNzinga_35 (S), Vine_5 (CT), Yarn_3 (CT), Yummy_5 (CT),

Start 97:

- Found in 4 of 1180 (0.3%) of genes in pham
- Manual Annotations of this start: 1 of 1050
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Dubu_2 (BJ), phiSASD1_22 (BJ),

Start 101:

- Found in 21 of 1180 (1.8%) of genes in pham
- No Manual Annotations of this start.
- Called 9.5% of time when present
- Phage (with cluster) where this start called: Pixelle_2 (AZ1), Zareef_7 (CT),

Start 110:

- Found in 106 of 1180 (9.0%) of genes in pham
- Manual Annotations of this start: 1 of 1050
- Called 0.9% of time when present
- Phage (with cluster) where this start called: SheckWes_3 (CT),

Start 114:

- Found in 158 of 1180 (13.4%) of genes in pham
- No Manual Annotations of this start.
- Called 0.6% of time when present
- Phage (with cluster) where this start called: VWB_2 (BA),

Start 117:

- Found in 192 of 1180 (16.3%) of genes in pham
- Manual Annotations of this start: 2 of 1050
- Called 1.0% of time when present
- Phage (with cluster) where this start called: LeoAvram_11 (A4), Skipitt_11 (A4),

Start 118:

- Found in 9 of 1180 (0.8%) of genes in pham
- Manual Annotations of this start: 2 of 1050
- Called 22.2% of time when present
- Phage (with cluster) where this start called: Hestia_2 (AY), Persistence_2 (AY),

Start 143:

- Found in 150 of 1180 (12.7%) of genes in pham
- Manual Annotations of this start: 2 of 1050
- Called 1.3% of time when present
- Phage (with cluster) where this start called: Ashballer_10 (A1), BobbyDazzler_8 (CA),

Start 152:

- Found in 183 of 1180 (15.5%) of genes in pham
- No Manual Annotations of this start.
- Called 0.5% of time when present

- Phage (with cluster) where this start called: Phrank15_2 (AY),

Start 169:

- Found in 81 of 1180 (6.9%) of genes in pham
- Manual Annotations of this start: 2 of 1050
- Called 2.5% of time when present
- Phage (with cluster) where this start called: BroPlease_7 (BD4), Triumph_8 (BD2),

Start 175:

- Found in 315 of 1180 (26.7%) of genes in pham
- No Manual Annotations of this start.
- Called 0.3% of time when present
- Phage (with cluster) where this start called: RGL3_1 (CA),

Start 245:

- Found in 961 of 1180 (81.4%) of genes in pham
- Manual Annotations of this start: 1 of 1050
- Called 0.1% of time when present
- Phage (with cluster) where this start called: GreenWeasel_8 (BD4),

Summary by clusters:

There are 58 clusters represented in this pham: DN, FQ, singleton, BA, DD, DL, BJ, A18, DN3, A7, A15, A14, A17, A16, A11, A10, A13, A12, A19, EO, A1, BD4, A3, A2, BD1, A4, BD3, BD2, A9, A8, CQ1, A, CY2, CY1, AB, EH, AG, AF, CA, A6, S, T, CQ2, AY, CQ, A5, CT, A20, F4, F5, CY, AZ, BD6, AZ1, AZ2, AZ3, AZ4, DN4,

Info for manual annotations of cluster A:

- Start number 51 was manually annotated 1 time for cluster A.

Info for manual annotations of cluster A1:

- Start number 51 was manually annotated 158 times for cluster A1.
- Start number 54 was manually annotated 24 times for cluster A1.
- Start number 143 was manually annotated 1 time for cluster A1.

Info for manual annotations of cluster A10:

- Start number 51 was manually annotated 16 times for cluster A10.

Info for manual annotations of cluster A11:

- Start number 51 was manually annotated 22 times for cluster A11.

Info for manual annotations of cluster A12:

- Start number 51 was manually annotated 5 times for cluster A12.

Info for manual annotations of cluster A14:

- Start number 51 was manually annotated 4 times for cluster A14.

Info for manual annotations of cluster A15:

- Start number 51 was manually annotated 21 times for cluster A15.

Info for manual annotations of cluster A16:

- Start number 51 was manually annotated 3 times for cluster A16.

Info for manual annotations of cluster A18:

- Start number 56 was manually annotated 1 time for cluster A18.

Info for manual annotations of cluster A19:

- Start number 51 was manually annotated 1 time for cluster A19.

Info for manual annotations of cluster A2:

- Start number 51 was manually annotated 100 times for cluster A2.

Info for manual annotations of cluster A20:

- Start number 53 was manually annotated 1 time for cluster A20.

Info for manual annotations of cluster A3:

- Start number 51 was manually annotated 31 times for cluster A3.
- Start number 52 was manually annotated 80 times for cluster A3.

Info for manual annotations of cluster A4:

- Start number 51 was manually annotated 130 times for cluster A4.
- Start number 52 was manually annotated 2 times for cluster A4.
- Start number 65 was manually annotated 1 time for cluster A4.
- Start number 117 was manually annotated 2 times for cluster A4.

Info for manual annotations of cluster A5:

- Start number 28 was manually annotated 19 times for cluster A5.
- Start number 31 was manually annotated 18 times for cluster A5.

Info for manual annotations of cluster A6:

- Start number 51 was manually annotated 39 times for cluster A6.

Info for manual annotations of cluster A7:

- Start number 51 was manually annotated 5 times for cluster A7.

Info for manual annotations of cluster A8:

- Start number 31 was manually annotated 11 times for cluster A8.

Info for manual annotations of cluster A9:

- Start number 51 was manually annotated 18 times for cluster A9.
- Start number 60 was manually annotated 10 times for cluster A9.
- Start number 63 was manually annotated 4 times for cluster A9.

Info for manual annotations of cluster AB:

- Start number 87 was manually annotated 4 times for cluster AB.

Info for manual annotations of cluster AF:

- Start number 51 was manually annotated 2 times for cluster AF.

Info for manual annotations of cluster AG:

- Start number 50 was manually annotated 1 time for cluster AG.
- Start number 51 was manually annotated 1 time for cluster AG.

Info for manual annotations of cluster AY:

- Start number 118 was manually annotated 2 times for cluster AY.

Info for manual annotations of cluster AZ1:

- Start number 55 was manually annotated 29 times for cluster AZ1.
- Start number 57 was manually annotated 5 times for cluster AZ1.

Info for manual annotations of cluster AZ2:

- Start number 55 was manually annotated 3 times for cluster AZ2.

Info for manual annotations of cluster AZ3:

- Start number 55 was manually annotated 2 times for cluster AZ3.

Info for manual annotations of cluster AZ4:

- Start number 39 was manually annotated 1 time for cluster AZ4.
- Start number 41 was manually annotated 1 time for cluster AZ4.

Info for manual annotations of cluster BD1:

- Start number 39 was manually annotated 44 times for cluster BD1.
- Start number 49 was manually annotated 10 times for cluster BD1.

Info for manual annotations of cluster BD2:

- Start number 39 was manually annotated 25 times for cluster BD2.
- Start number 169 was manually annotated 1 time for cluster BD2.

Info for manual annotations of cluster BD3:

- Start number 36 was manually annotated 1 time for cluster BD3.
- Start number 39 was manually annotated 5 times for cluster BD3.
- Start number 41 was manually annotated 1 time for cluster BD3.

Info for manual annotations of cluster BD4:

- Start number 169 was manually annotated 1 time for cluster BD4.
- Start number 245 was manually annotated 1 time for cluster BD4.

Info for manual annotations of cluster BD6:

- Start number 39 was manually annotated 4 times for cluster BD6.

Info for manual annotations of cluster BJ:

- Start number 97 was manually annotated 1 time for cluster BJ.

Info for manual annotations of cluster CA:

- Start number 53 was manually annotated 35 times for cluster CA.
- Start number 143 was manually annotated 1 time for cluster CA.

Info for manual annotations of cluster CQ:

- Start number 84 was manually annotated 1 time for cluster CQ.

Info for manual annotations of cluster CQ1:

- Start number 84 was manually annotated 11 times for cluster CQ1.

Info for manual annotations of cluster CQ2:

- Start number 84 was manually annotated 2 times for cluster CQ2.

Info for manual annotations of cluster CT:

- Start number 85 was manually annotated 8 times for cluster CT.
- Start number 87 was manually annotated 39 times for cluster CT.
- Start number 110 was manually annotated 1 time for cluster CT.

Info for manual annotations of cluster CY:

- Start number 52 was manually annotated 7 times for cluster CY.

Info for manual annotations of cluster CY1:

- Start number 52 was manually annotated 9 times for cluster CY1.

Info for manual annotations of cluster CY2:

- Start number 52 was manually annotated 1 time for cluster CY2.

Info for manual annotations of cluster DD:

- Start number 84 was manually annotated 1 time for cluster DD.

Info for manual annotations of cluster DL:

- Start number 84 was manually annotated 5 times for cluster DL.

Info for manual annotations of cluster DN:

- Start number 87 was manually annotated 2 times for cluster DN.

Info for manual annotations of cluster DN3:

- Start number 73 was manually annotated 1 time for cluster DN3.
- Start number 87 was manually annotated 1 time for cluster DN3.

Info for manual annotations of cluster DN4:

- Start number 87 was manually annotated 1 time for cluster DN4.

Info for manual annotations of cluster EH:

- Start number 54 was manually annotated 11 times for cluster EH.
- Start number 64 was manually annotated 1 time for cluster EH.

Info for manual annotations of cluster EO:

- Start number 76 was manually annotated 4 times for cluster EO.

Info for manual annotations of cluster F4:

- Start number 52 was manually annotated 3 times for cluster F4.

Info for manual annotations of cluster F5:

- Start number 87 was manually annotated 1 time for cluster F5.

Info for manual annotations of cluster S:

- Start number 87 was manually annotated 16 times for cluster S.

Info for manual annotations of cluster T:

- Start number 19 was manually annotated 1 time for cluster T.
- Start number 39 was manually annotated 6 times for cluster T.

Gene Information:

Gene: 20ES_12 Start: 7443, Stop: 9233, Start Num: 51

Candidate Starts for 20ES_12:

(12, 7269), (Start: 51 @7443 has 557 MA's), (102, 7551), (111, 7572), (136, 7680), (206, 7965), (207, 7968), (233, 8076), (Start: 245 @8166 has 1 MA's), (250, 8190), (278, 8307), (286, 8322), (350, 8622), (405, 8808), (411, 8835), (416, 8856), (445, 8952), (517, 9189), (533, 9216), (535, 9219),

Gene: 40AC_15 Start: 9493, Stop: 11244, Start Num: 51

Candidate Starts for 40AC_15:

(Start: 51 @9493 has 557 MA's), (61, 9511), (114, 9622), (130, 9688), (136, 9721), (138, 9724), (207, 10006), (215, 10045), (233, 10114), (236, 10138), (237, 10141), (Start: 245 @10204 has 1 MA's), (250, 10228), (274, 10327), (284, 10357), (286, 10360), (319, 10528), (324, 10546), (375, 10720), (381, 10744), (402, 10807), (416, 10867), (445, 10963), (480, 11053), (506, 11167), (507, 11170), (517, 11200), (533, 11227), (535, 11230),

Gene: 8UZL_5 Start: 1795, Stop: 3459, Start Num: 87

Candidate Starts for 8UZL_5:

(Start: 87 @1795 has 64 MA's), (105, 1834), (114, 1858), (161, 1987), (190, 2119), (192, 2134), (196, 2149), (207, 2194), (217, 2242), (228, 2278), (237, 2335), (240, 2359), (248, 2395), (293, 2593), (299, 2608), (308, 2647), (334, 2794), (375, 2914), (405, 3019), (433, 3127), (442, 3157), (452, 3184), (455, 3196), (472, 3232), (473, 3235), (499, 3328), (510, 3385),

Gene: A6_09 Start: 6581, Stop: 8269, Start Num: 51

Candidate Starts for A6_09:

(Start: 51 @6581 has 557 MA's), (Start: 143 @6761 has 2 MA's), (165, 6845), (170, 6881), (175, 6908), (207, 7031), (213, 7064), (233, 7139), (Start: 245 @7229 has 1 MA's), (250, 7253), (258, 7280), (267, 7328), (306, 7484), (316, 7544), (385, 7778), (389, 7790), (402, 7832), (407, 7853), (414, 7880), (445, 7988), (480, 8078), (503, 8183),

Gene: ACFishhook_13 Start: 7110, Stop: 8810, Start Num: 52

Candidate Starts for ACFishhook_13:

(Start: 52 @7110 has 102 MA's), (71, 7158), (139, 7293), (207, 7572), (Start: 245 @7770 has 1 MA's), (265, 7860), (284, 7923), (289, 7962), (316, 8085), (375, 8283), (381, 8307), (382, 8310), (402, 8373), (405, 8385), (407, 8394), (416, 8433), (445, 8529), (461, 8583), (480, 8619), (517, 8766), (535, 8796), (537, 8799),

Gene: AEgle_2 Start: 537, Stop: 2243, Start Num: 55

Candidate Starts for AEgle_2:

(Start: 55 @537 has 34 MA's), (Start: 110 @624 has 1 MA's), (193, 909), (207, 966), (210, 987), (218, 1014), (238, 1104), (274, 1278), (337, 1530), (375, 1653), (425, 1833), (445, 1908), (449, 1923), (485, 2058), (492, 2094), (502, 2142), (508, 2166),

Gene: AFIS_11 Start: 6918, Stop: 8606, Start Num: 51

Candidate Starts for AFIS_11:

(Start: 51 @6918 has 557 MA's), (Start: 143 @7098 has 2 MA's), (165, 7182), (170, 7218), (175, 7245), (207, 7368), (233, 7476), (Start: 245 @7566 has 1 MA's), (250, 7590), (258, 7617), (267, 7665), (306, 7821), (316, 7881), (382, 8106), (385, 8115), (389, 8127), (402, 8169), (407, 8190), (414, 8217), (445, 8325), (480, 8415), (503, 8520),

Gene: AGrandiflora_2 Start: 533, Stop: 2239, Start Num: 55

Candidate Starts for AGrandiflora_2:

(Start: 55 @533 has 34 MA's), (193, 905), (207, 962), (218, 1010), (238, 1100), (247, 1154), (274, 1274), (293, 1364), (337, 1526), (375, 1649), (445, 1904), (449, 1919), (467, 1973), (485, 2054), (508, 2162),

Gene: AN3_12 Start: 7428, Stop: 9218, Start Num: 51

Candidate Starts for AN3_12:

(Start: 51 @7428 has 557 MA's), (102, 7536), (111, 7557), (136, 7665), (207, 7953), (233, 8061), (Start: 245 @8151 has 1 MA's), (250, 8175), (278, 8292), (286, 8307), (350, 8607), (405, 8793), (411, 8820), (416, 8841), (445, 8937), (517, 9174), (533, 9201), (535, 9204),

Gene: AN9_15 Start: 7374, Stop: 9164, Start Num: 51

Candidate Starts for AN9_15:

(26, 7296), (38, 7347), (Start: 51 @7374 has 557 MA's), (102, 7482), (111, 7503), (128, 7569), (136, 7611), (146, 7635), (175, 7773), (206, 7893), (207, 7896), (233, 8007), (Start: 245 @8097 has 1 MA's), (250, 8121), (265, 8187), (275, 8223), (284, 8250), (286, 8253), (350, 8553), (375, 8640), (384, 8673), (405, 8739), (411, 8766), (416, 8787), (439, 8871), (445, 8883), (481, 8976), (486, 8991), (517, 9120), (533, 9147), (535, 9150),

Gene: ANI8_15 Start: 7374, Stop: 9164, Start Num: 51

Candidate Starts for ANI8_15:

(26, 7296), (38, 7347), (Start: 51 @7374 has 557 MA's), (102, 7482), (111, 7503), (128, 7569), (136, 7611), (146, 7635), (175, 7773), (206, 7893), (207, 7896), (233, 8007), (Start: 245 @8097 has 1 MA's), (250, 8121), (265, 8187), (275, 8223), (284, 8250), (286, 8253), (350, 8553), (375, 8640), (384, 8673), (405, 8739), (411, 8766), (416, 8787), (439, 8871), (445, 8883), (481, 8976), (486, 8991), (517, 9120), (533, 9147), (535, 9150),

Gene: Aaronocolus_6 Start: 2402, Stop: 4048, Start Num: 39

Candidate Starts for Aaronocolus_6:

(Start: 39 @2402 has 86 MA's), (Start: 49 @2420 has 10 MA's), (152, 2624), (Start: 169 @2705 has 2 MA's), (201, 2840), (208, 2861), (231, 2948), (240, 3020), (Start: 245 @3044 has 1 MA's), (268, 3143), (286, 3197), (313, 3296), (327, 3356), (378, 3518), (380, 3527), (405, 3617), (411, 3644), (432, 3722), (433, 3725), (445, 3764), (452, 3785), (454, 3791), (458, 3809), (492, 3905), (506, 3965),

Gene: AbbyPaige_14 Start: 7888, Stop: 9675, Start Num: 51

Candidate Starts for AbbyPaige_14:

(Start: 51 @7888 has 557 MA's), (102, 7996), (111, 8017), (128, 8083), (129, 8089), (136, 8125), (146, 8149), (161, 8212), (206, 8407), (207, 8410), (233, 8518), (Start: 245 @8608 has 1 MA's), (250, 8632), (267, 8707), (278, 8749), (286, 8764), (350, 9064), (405, 9250), (411, 9277), (416, 9298), (445, 9394), (517, 9631), (535, 9661),

Gene: AbbysRanger_11 Start: 6893, Stop: 8590, Start Num: 51

Candidate Starts for AbbysRanger_11:

(Start: 51 @6893 has 557 MA's), (Start: 65 @6917 has 1 MA's), (165, 7163), (185, 7268), (206, 7346), (207, 7349), (215, 7388), (233, 7457), (236, 7481), (Start: 245 @7547 has 1 MA's), (265, 7637), (306, 7802), (324, 7889), (329, 7922), (366, 8015), (375, 8063), (381, 8087), (402, 8153), (411, 8192), (416, 8213), (445, 8309), (516, 8543), (517, 8546), (535, 8576), (537, 8579),

Gene: Abbysshoes_12 Start: 7007, Stop: 8695, Start Num: 51

Candidate Starts for Abbysshoes_12:

(Start: 51 @7007 has 557 MA's), (Start: 143 @7187 has 2 MA's), (165, 7271), (170, 7307), (175, 7334), (207, 7457), (233, 7565), (Start: 245 @7655 has 1 MA's), (250, 7679), (258, 7706), (267, 7754), (287, 7823), (306, 7910), (316, 7970), (382, 8195), (385, 8204), (389, 8216), (402, 8258), (407, 8279), (414, 8306), (445, 8414), (480, 8504), (503, 8609),

Gene: Abdiel_11 Start: 6884, Stop: 8581, Start Num: 51

Candidate Starts for Abdiel_11:

(Start: 51 @6884 has 557 MA's), (Start: 65 @6908 has 1 MA's), (Start: 117 @7031 has 2 MA's), (157, 7121), (165, 7154), (184, 7253), (206, 7337), (207, 7340), (215, 7379), (233, 7448), (236, 7472), (Start: 245 @7538 has 1 MA's), (265, 7628), (306, 7793), (324, 7880), (329, 7913), (354, 7979), (374, 8051), (375, 8054), (381, 8078), (399, 8129), (402, 8144), (411, 8183), (416, 8204), (445, 8300), (517, 8537), (535, 8567), (537, 8570),

Gene: Abrogate_120 Start: 7663, Stop: 9351, Start Num: 51

Candidate Starts for Abrogate_120:

(Start: 51 @7663 has 557 MA's), (165, 7927), (166, 7951), (207, 8113), (213, 8146), (233, 8221), (Start: 245 @8311 has 1 MA's), (250, 8335), (258, 8362), (267, 8410), (306, 8566), (316, 8626), (382, 8851), (385, 8860), (389, 8872), (402, 8914), (407, 8935), (414, 8962), (445, 9070), (480, 9160), (503, 9265),

Gene: Abscondus_29 Start: 8433, Stop: 10181, Start Num: 84

Candidate Starts for Abscondus_29:

(Start: 84 @8433 has 21 MA's), (99, 8463), (149, 8589), (150, 8592), (174, 8706), (180, 8778), (187, 8817), (195, 8841), (206, 8889), (211, 8916), (257, 9138), (260, 9156), (297, 9318), (314, 9366), (319, 9381), (365, 9564), (367, 9570), (381, 9654), (404, 9741), (412, 9774), (445, 9888), (456, 9924), (466, 9948), (470, 9963), (520, 10137), (526, 10143),

Gene: Achebe_11 Start: 6881, Stop: 8578, Start Num: 51

Candidate Starts for Achebe_11:

(Start: 51 @6881 has 557 MA's), (Start: 65 @6905 has 1 MA's), (165, 7151), (185, 7256), (206, 7334), (207, 7337), (215, 7376), (233, 7445), (236, 7469), (Start: 245 @7535 has 1 MA's), (265, 7625), (306, 7790), (313, 7835), (324, 7877), (329, 7910), (354, 7976), (374, 8048), (375, 8051), (381, 8075), (402, 8141), (411, 8180), (416, 8201), (445, 8297), (516, 8531), (517, 8534), (535, 8564), (537, 8567),

Gene: Acme_13 Start: 7354, Stop: 9042, Start Num: 54

Candidate Starts for Acme_13:

(Start: 54 @7354 has 35 MA's), (139, 7525), (Start: 143 @7534 has 2 MA's), (165, 7618), (167, 7645), (170, 7654), (207, 7804), (213, 7837), (233, 7912), (Start: 245 @8002 has 1 MA's), (250, 8026), (258, 8053), (267, 8101), (306, 8257), (316, 8317), (382, 8542), (385, 8551), (389, 8563), (402, 8605), (407, 8626), (414, 8653), (445, 8761), (480, 8851), (503, 8956),

Gene: Acolyte_12 Start: 7615, Stop: 9396, Start Num: 51

Candidate Starts for Acolyte_12:

(Start: 51 @7615 has 557 MA's), (114, 7747), (128, 7804), (136, 7846), (175, 8008), (194, 8077), (206, 8128), (207, 8131), (215, 8170), (233, 8239), (Start: 245 @8329 has 1 MA's), (250, 8353), (274, 8452), (286, 8485), (405, 8971), (411, 8998), (416, 9019), (445, 9115), (517, 9352), (533, 9379), (535, 9382),

Gene: Adahisdi_12 Start: 7246, Stop: 8934, Start Num: 51

Candidate Starts for Adahisdi_12:

(Start: 51 @7246 has 557 MA's), (165, 7510), (166, 7534), (207, 7696), (213, 7729), (233, 7804), (Start: 245 @7894 has 1 MA's), (250, 7918), (258, 7945), (267, 7993), (306, 8149), (316, 8209), (382, 8434), (385, 8443), (389, 8455), (402, 8497), (407, 8518), (414, 8545), (445, 8653), (480, 8743), (503, 8848),

Gene: Adolin_2 Start: 534, Stop: 2240, Start Num: 57

Candidate Starts for Adolin_2:

(6, 240), (7, 243), (Start: 57 @534 has 5 MA's), (67, 555), (Start: 110 @621 has 1 MA's), (193, 906), (207, 963), (238, 1101), (241, 1125), (247, 1155), (257, 1200), (274, 1275), (330, 1488), (337, 1527), (433, 1869), (445, 1905), (449, 1920), (455, 1938), (485, 2055), (492, 2091), (506, 2151), (508, 2163),

Gene: Adumb2043_2 Start: 537, Stop: 2243, Start Num: 55

Candidate Starts for Adumb2043_2:

(Start: 55 @537 has 34 MA's), (Start: 110 @624 has 1 MA's), (193, 909), (207, 966), (210, 987), (218, 1014), (238, 1104), (274, 1278), (337, 1530), (375, 1653), (425, 1833), (445, 1908), (449, 1923), (485, 2058), (492, 2094), (502, 2142), (506, 2154), (508, 2166), (535, 2229),

Gene: Adzzy_13 Start: 6261, Stop: 8045, Start Num: 51

Candidate Starts for Adzzy_13:

(Start: 51 @6261 has 557 MA's), (136, 6492), (161, 6579), (196, 6732), (206, 6774), (207, 6777), (233, 6888), (236, 6912), (237, 6915), (Start: 245 @6978 has 1 MA's), (250, 7002), (286, 7134), (411, 7647), (416, 7668), (439, 7752), (445, 7764), (481, 7857), (486, 7872), (517, 8001), (533, 8028), (535, 8031),

Gene: Aeneas_13 Start: 7341, Stop: 9029, Start Num: 51

Candidate Starts for Aeneas_13:

(Start: 51 @7341 has 557 MA's), (165, 7605), (166, 7629), (207, 7791), (213, 7824), (233, 7899), (Start: 245 @7989 has 1 MA's), (250, 8013), (258, 8040), (267, 8088), (306, 8244), (316, 8304), (382, 8529), (385, 8538), (389, 8550), (402, 8592), (407, 8613), (414, 8640), (445, 8748), (480, 8838), (503, 8943),

Gene: Agaliana_11 Start: 7055, Stop: 8743, Start Num: 51

Candidate Starts for Agaliana_11:

(Start: 51 @7055 has 557 MA's), (Start: 143 @7235 has 2 MA's), (165, 7319), (170, 7355), (175, 7382), (207, 7505), (233, 7613), (Start: 245 @7703 has 1 MA's), (250, 7727), (267, 7802), (306, 7958), (316, 8018), (382, 8243), (385, 8252), (389, 8264), (402, 8306), (407, 8327), (414, 8354), (445, 8462), (480, 8552), (503, 8657),

Gene: Agape74_14 Start: 7888, Stop: 9675, Start Num: 51

Candidate Starts for Agape74_14:

(Start: 51 @7888 has 557 MA's), (102, 7996), (111, 8017), (128, 8083), (129, 8089), (136, 8125), (146, 8149), (161, 8212), (206, 8407), (207, 8410), (233, 8518), (Start: 245 @8608 has 1 MA's), (250, 8632), (267, 8707), (278, 8749), (286, 8764), (350, 9064), (405, 9250), (411, 9277), (416, 9298), (445, 9394), (517, 9631), (535, 9661),

Gene: Agatha_4 Start: 1113, Stop: 2792, Start Num: 87

Candidate Starts for Agatha_4:

(Start: 87 @1113 has 64 MA's), (Start: 110 @1164 has 1 MA's), (116, 1185), (Start: 117 @1188 has 2 MA's), (140, 1230), (161, 1311), (174, 1377), (175, 1386), (192, 1458), (196, 1473), (204, 1509), (207, 1518), (217, 1569), (238, 1668), (247, 1722), (257, 1758), (289, 1902), (299, 1938), (308, 1977), (312, 2010), (329, 2091), (333, 2115), (350, 2148), (367, 2181), (374, 2238), (376, 2247), (401, 2331), (407, 2358), (425, 2418), (452, 2514), (481, 2586), (485, 2598), (512, 2718), (535, 2778), (537, 2781),

Gene: AgentM_9 Start: 6239, Stop: 8017, Start Num: 28

Candidate Starts for AgentM_9:

(Start: 28 @6239 has 19 MA's), (Start: 31 @6266 has 29 MA's), (58, 6335), (Start: 72 @6374 has 1 MA's), (112, 6449), (114, 6455), (161, 6587), (175, 6662), (176, 6665), (209, 6800), (221, 6839), (227, 6863), (Start: 245 @6971 has 1 MA's), (256, 7016), (271, 7094), (274, 7100), (310, 7265), (318, 7298), (324, 7319), (375, 7493), (381, 7517), (382, 7520), (402, 7580), (405, 7592), (411, 7619), (416, 7640), (439, 7724), (445, 7736), (517, 7973), (537, 8006), (539, 8012),

Gene: Aglet_13 Start: 6958, Stop: 8658, Start Num: 52

Candidate Starts for Aglet_13:

(Start: 52 @6958 has 102 MA's), (71, 7006), (139, 7141), (184, 7333), (207, 7420), (Start: 245 @7618 has 1 MA's), (265, 7708), (284, 7771), (316, 7933), (375, 8131), (381, 8155), (382, 8158), (402, 8221), (407, 8242), (416, 8281), (445, 8377), (461, 8431), (480, 8467), (517, 8614), (535, 8644), (537, 8647),

Gene: AgronaGT15_13 Start: 6865, Stop: 8565, Start Num: 52

Candidate Starts for AgronaGT15_13:

(Start: 52 @6865 has 102 MA's), (71, 6913), (139, 7048), (184, 7240), (207, 7327), (Start: 245 @7525 has 1 MA's), (265, 7615), (284, 7678), (316, 7840), (375, 8038), (381, 8062), (382, 8065), (402, 8128), (407, 8149), (416, 8188), (445, 8284), (461, 8338), (480, 8374), (517, 8521), (535, 8551), (537, 8554),

Gene: AikoCarson_3 Start: 805, Stop: 2487, Start Num: 87

Candidate Starts for AikoCarson_3:

(Start: 87 @805 has 64 MA's), (Start: 110 @856 has 1 MA's), (116, 877), (Start: 117 @880 has 2 MA's), (161, 1003), (167, 1042), (Start: 169 @1048 has 2 MA's), (174, 1069), (196, 1165), (204, 1201), (207, 1210), (217, 1261), (222, 1279), (238, 1360), (240, 1381), (247, 1414), (257, 1450), (289, 1594), (299, 1630), (308, 1669), (312, 1702), (324, 1750), (329, 1783), (333, 1807), (350, 1840), (374, 1930), (375, 1933), (376, 1939), (401, 2023), (402, 2029), (411, 2068), (425, 2110), (494, 2329), (512, 2410), (535, 2473), (537, 2476),

Gene: AinMach_2 Start: 571, Stop: 2274, Start Num: 55

Candidate Starts for AinMach_2:

(Start: 55 @571 has 34 MA's), (189, 928), (201, 979), (207, 997), (238, 1138), (247, 1192), (248, 1195), (274, 1312), (286, 1345), (315, 1459), (368, 1645), (375, 1687), (445, 1942), (449, 1957), (455, 1975), (457, 1984), (467, 2011), (478, 2059), (492, 2125), (508, 2197), (523, 2230),

Gene: Airmid_9 Start: 6013, Stop: 7764, Start Num: 31

Candidate Starts for Airmid_9:

(Start: 28 @5986 has 19 MA's), (Start: 31 @6013 has 29 MA's), (Start: 53 @6073 has 36 MA's), (58, 6082), (Start: 72 @6121 has 1 MA's), (112, 6196), (114, 6202), (175, 6409), (176, 6412), (221, 6586), (Start: 245 @6718 has 1 MA's), (256, 6763), (271, 6841), (274, 6847), (310, 7012), (318, 7045), (324, 7066), (375, 7240), (381, 7264), (411, 7366), (416, 7387), (431, 7441), (439, 7471), (445, 7483), (461, 7537), (516, 7717), (517, 7720), (537, 7753), (539, 7759),

Gene: Ajay_11 Start: 7051, Stop: 8739, Start Num: 51

Candidate Starts for Ajay_11:

(Start: 51 @7051 has 557 MA's), (165, 7315), (166, 7339), (207, 7501), (213, 7534), (233, 7609), (Start: 245 @7699 has 1 MA's), (250, 7723), (267, 7798), (306, 7954), (307, 7963), (315, 8011), (316, 8014), (382, 8239), (385, 8248), (389, 8260), (402, 8302), (407, 8323), (414, 8350), (445, 8458), (480, 8548), (503, 8653),

Gene: Alatin_8 Start: 3156, Stop: 4838, Start Num: 53

Candidate Starts for Alatin_8:

(Start: 53 @3156 has 36 MA's), (Start: 143 @3342 has 2 MA's), (161, 3414), (165, 3426), (166, 3450), (170, 3462), (207, 3615), (209, 3630), (227, 3690), (Start: 245 @3798 has 1 MA's), (258, 3855), (304, 4053), (308, 4071), (318, 4125), (356, 4236), (368, 4269), (375, 4311), (384, 4344), (405, 4413), (445, 4557), (458, 4602), (485, 4662), (506, 4761), (517, 4794), (533, 4821), (535, 4824), (537, 4827),

Gene: Albee_11 Start: 6884, Stop: 8581, Start Num: 51

Candidate Starts for Albee_11:

(Start: 51 @6884 has 557 MA's), (Start: 65 @6908 has 1 MA's), (Start: 117 @7031 has 2 MA's), (157, 7121), (165, 7154), (184, 7253), (206, 7337), (207, 7340), (215, 7379), (233, 7448), (236, 7472), (Start:

245 @7538 has 1 MA's), (265, 7628), (306, 7793), (324, 7880), (329, 7913), (354, 7979), (374, 8051), (375, 8054), (381, 8078), (399, 8129), (402, 8144), (411, 8183), (416, 8204), (445, 8300), (517, 8537), (535, 8567), (537, 8570),

Gene: Alberto7_12 Start: 7189, Stop: 8886, Start Num: 51

Candidate Starts for Alberto7_12:

(Start: 51 @7189 has 557 MA's), (Start: 65 @7213 has 1 MA's), (Start: 117 @7336 has 2 MA's), (157, 7426), (165, 7459), (184, 7558), (206, 7642), (207, 7645), (215, 7684), (233, 7753), (236, 7777), (Start: 245 @7843 has 1 MA's), (265, 7933), (306, 8098), (324, 8185), (329, 8218), (354, 8284), (374, 8356), (375, 8359), (381, 8383), (399, 8434), (402, 8449), (411, 8488), (416, 8509), (445, 8605), (517, 8842), (535, 8872), (537, 8875),

Gene: Aliter_13 Start: 8037, Stop: 9824, Start Num: 51

Candidate Starts for Aliter_13:

(Start: 51 @8037 has 557 MA's), (Start: 60 @8052 has 10 MA's), (Start: 63 @8058 has 4 MA's), (114, 8169), (136, 8268), (175, 8430), (194, 8502), (207, 8556), (215, 8595), (233, 8667), (Start: 245 @8757 has 1 MA's), (250, 8781), (278, 8898), (286, 8913), (307, 9021), (323, 9096), (329, 9132), (343, 9192), (378, 9312), (384, 9333), (399, 9372), (411, 9426), (412, 9429), (416, 9447), (431, 9501), (439, 9531), (445, 9543), (480, 9633), (486, 9651), (517, 9780), (533, 9807), (535, 9810),

Gene: Alma_13 Start: 8116, Stop: 9903, Start Num: 51

Candidate Starts for Alma_13:

(Start: 51 @8116 has 557 MA's), (Start: 60 @8131 has 10 MA's), (Start: 63 @8137 has 4 MA's), (114, 8248), (136, 8347), (175, 8509), (194, 8581), (207, 8635), (215, 8674), (233, 8746), (Start: 245 @8836 has 1 MA's), (250, 8860), (278, 8977), (286, 8992), (307, 9100), (323, 9175), (329, 9211), (343, 9271), (378, 9391), (384, 9412), (399, 9451), (411, 9505), (412, 9508), (416, 9526), (431, 9580), (439, 9610), (445, 9622), (480, 9712), (486, 9730), (517, 9859), (533, 9886), (535, 9889),

Gene: Alpacados_7 Start: 3118, Stop: 4800, Start Num: 53

Candidate Starts for Alpacados_7:

(Start: 53 @3118 has 36 MA's), (Start: 143 @3304 has 2 MA's), (161, 3376), (165, 3388), (166, 3412), (170, 3424), (209, 3592), (227, 3652), (236, 3709), (237, 3712), (Start: 245 @3760 has 1 MA's), (304, 4015), (308, 4033), (318, 4087), (368, 4231), (375, 4273), (384, 4306), (402, 4363), (405, 4375), (445, 4519), (458, 4564), (485, 4624), (506, 4723), (517, 4756), (533, 4783), (535, 4786), (537, 4789),

Gene: Alsaber_7 Start: 2515, Stop: 4161, Start Num: 39

Candidate Starts for Alsaber_7:

(Start: 36 @2506 has 1 MA's), (Start: 39 @2515 has 86 MA's), (Start: 41 @2518 has 2 MA's), (Start: 49 @2533 has 10 MA's), (152, 2737), (161, 2773), (Start: 169 @2818 has 2 MA's), (192, 2911), (196, 2926), (201, 2953), (204, 2962), (208, 2974), (231, 3061), (237, 3109), (Start: 245 @3157 has 1 MA's), (268, 3256), (278, 3295), (313, 3409), (318, 3430), (327, 3469), (345, 3550), (375, 3619), (376, 3625), (380, 3640), (399, 3703), (432, 3835), (445, 3877), (454, 3904), (458, 3922), (506, 4078),

Gene: Alsfro_15 Start: 7794, Stop: 9482, Start Num: 51

Candidate Starts for Alsfro_15:

(Start: 51 @7794 has 557 MA's), (165, 8058), (166, 8082), (207, 8244), (213, 8277), (233, 8352), (Start: 245 @8442 has 1 MA's), (250, 8466), (258, 8493), (267, 8541), (287, 8610), (306, 8697), (307, 8706), (315, 8754), (316, 8757), (385, 8991), (389, 9003), (402, 9045), (407, 9066), (414, 9093), (445, 9201), (480, 9291), (503, 9396),

Gene: Altman_12 Start: 7589, Stop: 9277, Start Num: 51

Candidate Starts for Altman_12:

(Start: 51 @7589 has 557 MA's), (165, 7853), (166, 7877), (207, 8039), (213, 8072), (233, 8147),
(Start: 245 @8237 has 1 MA's), (250, 8261), (258, 8288), (267, 8336), (306, 8492), (316, 8552), (385,
8786), (389, 8798), (402, 8840), (407, 8861), (414, 8888), (445, 8996), (480, 9086), (503, 9191),

Gene: Alvin_12 Start: 7262, Stop: 8950, Start Num: 51

Candidate Starts for Alvin_12:

(Start: 51 @7262 has 557 MA's), (165, 7526), (166, 7550), (207, 7712), (213, 7745), (233, 7820),
(Start: 245 @7910 has 1 MA's), (250, 7934), (258, 7961), (267, 8009), (306, 8165), (316, 8225), (382,
8450), (385, 8459), (389, 8471), (402, 8513), (407, 8534), (414, 8561), (445, 8669), (480, 8759), (503,
8864),

Gene: Alvy_8 Start: 2347, Stop: 3993, Start Num: 39

Candidate Starts for Alvy_8:

(Start: 39 @2347 has 86 MA's), (Start: 117 @2497 has 2 MA's), (165, 2617), (Start: 169 @2650 has 2
MA's), (192, 2743), (196, 2758), (201, 2785), (208, 2806), (231, 2893), (240, 2965), (Start: 245 @2989
has 1 MA's), (268, 3088), (276, 3124), (303, 3229), (319, 3265), (327, 3301), (330, 3319), (374, 3448),
(375, 3451), (378, 3463), (380, 3472), (382, 3478), (383, 3481), (405, 3562), (411, 3589), (433, 3670),
(445, 3709), (452, 3730), (458, 3754), (476, 3796), (485, 3814), (506, 3910), (539, 3988),

Gene: Amela_6 Start: 2575, Stop: 4221, Start Num: 39

Candidate Starts for Amela_6:

(Start: 36 @2566 has 1 MA's), (Start: 39 @2575 has 86 MA's), (Start: 41 @2578 has 2 MA's), (Start:
49 @2593 has 10 MA's), (Start: 84 @2647 has 21 MA's), (96, 2671), (152, 2797), (Start: 169 @2878
has 2 MA's), (192, 2971), (196, 2986), (201, 3013), (204, 3022), (208, 3034), (231, 3121), (237, 3169),
(Start: 245 @3217 has 1 MA's), (268, 3316), (278, 3355), (313, 3469), (318, 3490), (327, 3529), (375,
3679), (376, 3685), (380, 3700), (384, 3712), (399, 3763), (411, 3817), (432, 3895), (433, 3898), (445,
3937), (454, 3964), (458, 3982), (506, 4138),

Gene: Amethyst_6 Start: 2142, Stop: 3791, Start Num: 39

Candidate Starts for Amethyst_6:

(Start: 39 @2142 has 86 MA's), (96, 2241), (146, 2340), (152, 2367), (165, 2415), (Start: 169 @2448
has 2 MA's), (196, 2556), (201, 2583), (208, 2604), (219, 2649), (231, 2691), (240, 2763), (Start: 245
@2787 has 1 MA's), (268, 2886), (276, 2922), (286, 2940), (318, 3060), (319, 3063), (327, 3099),
(345, 3180), (366, 3201), (380, 3270), (384, 3282), (399, 3333), (411, 3387), (445, 3507), (452, 3528),
(458, 3552), (485, 3612), (506, 3708), (539, 3786),

Gene: Amok_3 Start: 806, Stop: 2488, Start Num: 87

Candidate Starts for Amok_3:

(Start: 87 @806 has 64 MA's), (Start: 110 @857 has 1 MA's), (116, 878), (Start: 117 @881 has 2
MA's), (Start: 169 @1049 has 2 MA's), (175, 1079), (192, 1151), (196, 1166), (204, 1202), (207, 1211),
(208, 1214), (217, 1262), (233, 1331), (238, 1361), (240, 1382), (248, 1418), (257, 1451), (282, 1556),
(289, 1595), (299, 1631), (308, 1670), (312, 1703), (324, 1751), (329, 1784), (333, 1808), (350, 1841),
(376, 1940), (378, 1946), (401, 2024), (411, 2069), (425, 2111), (452, 2207), (494, 2330), (512, 2411),
(535, 2474), (537, 2477),

Gene: Amyev_2 Start: 533, Stop: 2239, Start Num: 55

Candidate Starts for Amyev_2:

(Start: 55 @533 has 34 MA's), (101, 599), (193, 905), (207, 962), (210, 983), (218, 1010), (238, 1100),
(247, 1154), (257, 1199), (274, 1274), (337, 1526), (375, 1649), (425, 1829), (445, 1904), (449, 1919),
(485, 2054), (506, 2150), (508, 2162),

Gene: Anaysia_14 Start: 6686, Stop: 8383, Start Num: 51

Candidate Starts for Anaysia_14:

(Start: 51 @6686 has 557 MA's), (62, 6704), (139, 6866), (175, 7022), (194, 7091), (207, 7145), (233, 7253), (237, 7280), (Start: 245 @7343 has 1 MA's), (250, 7367), (381, 7883), (402, 7946), (412, 7988), (445, 8102), (485, 8207), (517, 8339), (533, 8366), (535, 8369), (537, 8372),

Gene: AndPeggy_3 Start: 1120, Stop: 2799, Start Num: 87

Candidate Starts for AndPeggy_3:

(Start: 87 @1120 has 64 MA's), (Start: 110 @1171 has 1 MA's), (116, 1192), (Start: 117 @1195 has 2 MA's), (140, 1237), (159, 1303), (Start: 169 @1363 has 2 MA's), (174, 1384), (175, 1393), (196, 1480), (204, 1516), (207, 1525), (217, 1576), (238, 1675), (240, 1696), (247, 1729), (257, 1765), (289, 1909), (299, 1945), (308, 1984), (334, 2131), (350, 2155), (376, 2254), (401, 2338), (425, 2425), (452, 2521), (472, 2569), (481, 2593), (494, 2644), (512, 2725), (535, 2785), (537, 2788),

Gene: Andris_6 Start: 2176, Stop: 3822, Start Num: 39

Candidate Starts for Andris_6:

(Start: 39 @2176 has 86 MA's), (46, 2188), (165, 2446), (Start: 169 @2479 has 2 MA's), (192, 2572), (201, 2614), (208, 2635), (231, 2722), (240, 2794), (Start: 245 @2818 has 1 MA's), (268, 2917), (276, 2953), (286, 2971), (319, 3094), (327, 3130), (378, 3292), (380, 3301), (411, 3418), (433, 3499), (445, 3538), (452, 3559), (458, 3583), (485, 3643), (505, 3736), (506, 3739),

Gene: Aneem_12 Start: 8024, Stop: 9787, Start Num: 51

Candidate Starts for Aneem_12:

(Start: 51 @8024 has 557 MA's), (Start: 63 @8045 has 4 MA's), (102, 8132), (136, 8261), (146, 8285), (161, 8348), (194, 8492), (206, 8543), (207, 8546), (233, 8657), (236, 8681), (237, 8684), (Start: 245 @8747 has 1 MA's), (247, 8756), (250, 8771), (278, 8888), (286, 8903), (295, 8963), (313, 9047), (378, 9275), (381, 9287), (399, 9335), (402, 9350), (411, 9389), (416, 9410), (428, 9449), (439, 9494), (445, 9506), (517, 9743), (533, 9770),

Gene: Anekin_2 Start: 597, Stop: 2330, Start Num: 80

Candidate Starts for Anekin_2:

(80, 597), (111, 663), (Start: 118 @690 has 2 MA's), (119, 693), (163, 846), (184, 1014), (207, 1101), (229, 1188), (243, 1278), (250, 1311), (252, 1320), (259, 1341), (266, 1377), (271, 1389), (311, 1518), (321, 1557), (333, 1626), (369, 1704), (377, 1740), (411, 1881), (412, 1884), (421, 1944), (429, 1980), (439, 2028), (451, 2061), (461, 2094), (503, 2235), (517, 2277), (528, 2304),

Gene: Angelique_2 Start: 485, Stop: 2281, Start Num: 52

Candidate Starts for Angelique_2:

(Start: 52 @485 has 102 MA's), (159, 779), (161, 794), (178, 878), (189, 920), (192, 929), (200, 968), (207, 989), (230, 1073), (238, 1127), (239, 1145), (Start: 245 @1172 has 1 MA's), (247, 1181), (262, 1256), (275, 1307), (279, 1328), (324, 1487), (333, 1544), (359, 1589), (368, 1613), (382, 1682), (384, 1688), (387, 1697), (405, 1766), (433, 1904), (439, 1940), (445, 1952), (454, 1976), (461, 2003), (484, 2090), (492, 2132), (505, 2189), (514, 2219), (524, 2243), (535, 2267), (537, 2270),

Gene: AngryOrchard_7 Start: 3101, Stop: 4783, Start Num: 53

Candidate Starts for AngryOrchard_7:

(Start: 53 @3101 has 36 MA's), (Start: 143 @3287 has 2 MA's), (161, 3359), (165, 3371), (166, 3395), (170, 3407), (209, 3575), (227, 3635), (Start: 245 @3743 has 1 MA's), (304, 3998), (318, 4070), (319, 4073), (368, 4214), (375, 4256), (384, 4289), (402, 4346), (405, 4358), (445, 4502), (458, 4547), (485, 4607), (506, 4706), (517, 4739), (533, 4766), (535, 4769), (537, 4772),

Gene: Animus_7 Start: 2523, Stop: 4169, Start Num: 39

Candidate Starts for Animus_7:

(Start: 39 @2523 has 86 MA's), (159, 2766), (161, 2781), (165, 2793), (192, 2919), (201, 2961), (203, 2967), (208, 2982), (231, 3069), (240, 3141), (Start: 245 @3165 has 1 MA's), (268, 3264), (276, 3300),

(286, 3318), (319, 3441), (327, 3477), (378, 3639), (380, 3648), (399, 3711), (411, 3765), (433, 3846), (445, 3885), (452, 3906), (458, 3930), (505, 4083), (506, 4086),

Gene: AnnaL29_15 Start: 9319, Stop: 11079, Start Num: 51

Candidate Starts for AnnaL29_15:

(25, 9235), (Start: 51 @9319 has 557 MA's), (102, 9427), (111, 9448), (131, 9532), (136, 9556), (161, 9643), (171, 9697), (194, 9787), (207, 9841), (233, 9949), (Start: 245 @10039 has 1 MA's), (250, 10063), (286, 10195), (313, 10339), (350, 10471), (375, 10555), (399, 10627), (402, 10642), (411, 10681), (412, 10684), (416, 10702), (445, 10798), (467, 10867), (517, 11035), (533, 11062), (535, 11065), (537, 11068), (538, 11071),

Gene: Annyong_11 Start: 6885, Stop: 8582, Start Num: 51

Candidate Starts for Annyong_11:

(Start: 51 @6885 has 557 MA's), (Start: 65 @6909 has 1 MA's), (Start: 117 @7032 has 2 MA's), (157, 7122), (165, 7155), (184, 7254), (206, 7338), (207, 7341), (215, 7380), (233, 7449), (236, 7473), (Start: 245 @7539 has 1 MA's), (265, 7629), (306, 7794), (324, 7881), (329, 7914), (354, 7980), (374, 8052), (375, 8055), (381, 8079), (399, 8130), (402, 8145), (411, 8184), (416, 8205), (445, 8301), (517, 8538), (535, 8568), (537, 8571),

Gene: Anon_12 Start: 7031, Stop: 8731, Start Num: 51

Candidate Starts for Anon_12:

(Start: 51 @7031 has 557 MA's), (62, 7049), (149, 7241), (175, 7367), (196, 7448), (207, 7493), (233, 7601), (236, 7625), (Start: 245 @7691 has 1 MA's), (250, 7715), (308, 7958), (381, 8231), (382, 8234), (445, 8450), (480, 8540), (481, 8543), (517, 8687), (533, 8714), (535, 8717), (537, 8720),

Gene: Anselm_12 Start: 7545, Stop: 9335, Start Num: 51

Candidate Starts for Anselm_12:

(Start: 51 @7545 has 557 MA's), (102, 7653), (111, 7674), (136, 7782), (152, 7833), (207, 8070), (233, 8178), (Start: 245 @8268 has 1 MA's), (250, 8292), (278, 8409), (286, 8424), (350, 8724), (405, 8910), (411, 8937), (416, 8958), (445, 9054), (517, 9291), (535, 9321),

Gene: Anthony_11 Start: 5672, Stop: 7372, Start Num: 53

Candidate Starts for Anthony_11:

(Start: 53 @5672 has 36 MA's), (Start: 117 @5813 has 2 MA's), (139, 5852), (206, 6128), (207, 6131), (226, 6203), (233, 6242), (242, 6314), (Start: 245 @6332 has 1 MA's), (274, 6455), (281, 6479), (284, 6485), (304, 6581), (329, 6707), (354, 6773), (368, 6806), (381, 6872), (411, 6974), (416, 6995), (431, 7049), (445, 7091), (454, 7118), (461, 7145), (516, 7325), (517, 7328), (537, 7361),

Gene: Anubis_15 Start: 6843, Stop: 8543, Start Num: 52

Candidate Starts for Anubis_15:

(Start: 52 @6843 has 102 MA's), (71, 6891), (Start: 110 @6963 has 1 MA's), (139, 7026), (184, 7218), (207, 7305), (Start: 245 @7503 has 1 MA's), (265, 7593), (284, 7656), (316, 7818), (375, 8016), (381, 8040), (382, 8043), (402, 8106), (407, 8127), (416, 8166), (445, 8262), (461, 8316), (480, 8352), (517, 8499), (535, 8529), (537, 8532),

Gene: Aphelion_30 Start: 8680, Stop: 10428, Start Num: 84

Candidate Starts for Aphelion_30:

(Start: 84 @8680 has 21 MA's), (99, 8710), (150, 8839), (180, 9025), (187, 9064), (195, 9088), (200, 9118), (206, 9136), (211, 9163), (218, 9193), (257, 9385), (260, 9403), (297, 9565), (314, 9613), (319, 9628), (365, 9811), (367, 9817), (381, 9901), (404, 9988), (412, 10021), (445, 10135), (456, 10171), (466, 10195), (470, 10210), (520, 10384), (526, 10390),

Gene: AppleCloud_6 Start: 2865, Stop: 4547, Start Num: 53

Candidate Starts for AppleCloud_6:

(Start: 53 @2865 has 36 MA's), (Start: 143 @3051 has 2 MA's), (161, 3123), (165, 3135), (166, 3159), (170, 3171), (209, 3339), (227, 3399), (Start: 245 @3507 has 1 MA's), (304, 3762), (318, 3834), (368, 3978), (374, 4017), (375, 4020), (384, 4053), (405, 4122), (445, 4266), (458, 4311), (485, 4371), (517, 4503), (533, 4530), (535, 4533), (537, 4536),

Gene: Applejack_11 Start: 6989, Stop: 8677, Start Num: 51

Candidate Starts for Applejack_11:

(Start: 51 @6989 has 557 MA's), (165, 7253), (166, 7277), (207, 7439), (213, 7472), (233, 7547), (241, 7601), (Start: 245 @7637 has 1 MA's), (250, 7661), (258, 7688), (267, 7736), (287, 7805), (306, 7892), (316, 7952), (385, 8186), (389, 8198), (402, 8240), (407, 8261), (414, 8288), (445, 8396), (480, 8486), (503, 8591),

Gene: Apricot_2 Start: 453, Stop: 2147, Start Num: 73

Candidate Starts for Apricot_2:

(29, 324), (35, 357), (Start: 36 @360 has 1 MA's), (43, 378), (59, 411), (Start: 64 @420 has 1 MA's), (Start: 73 @453 has 1 MA's), (Start: 87 @486 has 64 MA's), (Start: 110 @537 has 1 MA's), (114, 549), (121, 576), (159, 666), (174, 747), (175, 756), (176, 759), (184, 792), (196, 843), (204, 879), (205, 882), (207, 888), (210, 903), (211, 906), (215, 924), (219, 942), (233, 996), (240, 1047), (Start: 245 @1071 has 1 MA's), (265, 1158), (280, 1218), (286, 1227), (289, 1263), (299, 1299), (308, 1338), (309, 1341), (312, 1371), (340, 1503), (350, 1509), (371, 1572), (374, 1599), (381, 1626), (382, 1629), (387, 1644), (402, 1701), (411, 1740), (433, 1821), (442, 1851), (462, 1914), (485, 1962), (486, 1965), (506, 2058), (507, 2061), (510, 2079), (516, 2088), (522, 2100), (537, 2136),

Gene: Aragog_9 Start: 6296, Stop: 8047, Start Num: 31

Candidate Starts for Aragog_9:

(Start: 28 @6269 has 19 MA's), (Start: 31 @6296 has 29 MA's), (58, 6365), (112, 6479), (114, 6485), (161, 6617), (175, 6692), (176, 6695), (221, 6869), (227, 6893), (Start: 245 @7001 has 1 MA's), (256, 7046), (271, 7124), (274, 7130), (275, 7133), (310, 7295), (311, 7301), (318, 7328), (324, 7349), (375, 7523), (381, 7547), (382, 7550), (402, 7610), (405, 7622), (411, 7649), (416, 7670), (431, 7724), (439, 7754), (445, 7766), (517, 8003), (537, 8036), (539, 8042),

Gene: Arcanine_12 Start: 6925, Stop: 8613, Start Num: 51

Candidate Starts for Arcanine_12:

(Start: 51 @6925 has 557 MA's), (165, 7189), (166, 7213), (207, 7375), (213, 7408), (233, 7483), (Start: 245 @7573 has 1 MA's), (250, 7597), (258, 7624), (267, 7672), (302, 7816), (306, 7828), (316, 7888), (382, 8113), (385, 8122), (389, 8134), (402, 8176), (407, 8197), (414, 8224), (445, 8332), (480, 8422), (503, 8527),

Gene: ArcherNM_14 Start: 9227, Stop: 11014, Start Num: 51

Candidate Starts for ArcherNM_14:

(20, 9107), (Start: 51 @9227 has 557 MA's), (102, 9335), (111, 9356), (136, 9464), (152, 9515), (161, 9551), (171, 9605), (206, 9746), (207, 9749), (215, 9788), (233, 9857), (Start: 245 @9947 has 1 MA's), (250, 9971), (286, 10103), (375, 10490), (405, 10589), (411, 10616), (416, 10637), (439, 10721), (445, 10733), (517, 10970), (533, 10997), (535, 11000), (537, 11003), (538, 11006),

Gene: Archetta_9 Start: 5978, Stop: 7756, Start Num: 28

Candidate Starts for Archetta_9:

(Start: 28 @5978 has 19 MA's), (Start: 31 @6005 has 29 MA's), (58, 6074), (Start: 72 @6113 has 1 MA's), (112, 6188), (114, 6194), (161, 6326), (175, 6401), (176, 6404), (209, 6539), (221, 6578), (227, 6602), (Start: 245 @6710 has 1 MA's), (256, 6755), (271, 6833), (274, 6839), (310, 7004), (318, 7037), (324, 7058), (375, 7232), (381, 7256), (382, 7259), (402, 7319), (405, 7331), (411, 7358), (416, 7379), (439, 7463), (445, 7475), (517, 7712), (537, 7745), (539, 7751),

Gene: Arianna_3 Start: 1236, Stop: 2873, Start Num: 76

Candidate Starts for Arianna_3:

(Start: 76 @1236 has 4 MA's), (88, 1260), (Start: 118 @1338 has 2 MA's), (149, 1404), (170, 1503), (174, 1521), (175, 1530), (177, 1536), (187, 1584), (189, 1590), (192, 1599), (201, 1641), (203, 1647), (204, 1650), (207, 1659), (225, 1737), (Start: 245 @1854 has 1 MA's), (248, 1866), (249, 1869), (250, 1878), (265, 1941), (286, 2013), (289, 2046), (315, 2124), (345, 2235), (368, 2280), (401, 2412), (402, 2418), (436, 2550), (445, 2589), (480, 2679), (487, 2706), (505, 2787), (508, 2802), (509, 2805), (511, 2814), (535, 2862),

Gene: Arissanae_11 Start: 6238, Stop: 8028, Start Num: 51

Candidate Starts for Arissanae_11:

(Start: 51 @6238 has 557 MA's), (Start: 60 @6253 has 10 MA's), (114, 6370), (136, 6469), (175, 6631), (194, 6703), (207, 6757), (215, 6796), (233, 6868), (Start: 245 @6958 has 1 MA's), (250, 6982), (286, 7114), (307, 7222), (323, 7297), (329, 7333), (343, 7393), (358, 7429), (378, 7513), (384, 7534), (411, 7630), (412, 7633), (416, 7651), (431, 7705), (439, 7735), (445, 7747), (480, 7837), (486, 7855), (498, 7906), (517, 7984), (533, 8011), (535, 8014),

Gene: Arlo_10 Start: 6614, Stop: 8302, Start Num: 51

Candidate Starts for Arlo_10:

(Start: 51 @6614 has 557 MA's), (165, 6878), (166, 6902), (207, 7064), (213, 7097), (233, 7172), (Start: 245 @7262 has 1 MA's), (250, 7286), (258, 7313), (267, 7361), (287, 7430), (302, 7505), (306, 7517), (316, 7577), (385, 7811), (389, 7823), (402, 7865), (407, 7886), (414, 7913), (445, 8021), (480, 8111), (503, 8216),

Gene: Artemis2UCLA_15 Start: 7416, Stop: 9170, Start Num: 51

Candidate Starts for Artemis2UCLA_15:

(Start: 51 @7416 has 557 MA's), (114, 7548), (136, 7647), (146, 7671), (152, 7698), (161, 7734), (175, 7809), (207, 7932), (209, 7947), (215, 7971), (233, 8040), (236, 8064), (237, 8067), (Start: 245 @8130 has 1 MA's), (250, 8154), (284, 8283), (286, 8286), (308, 8397), (348, 8559), (375, 8646), (378, 8658), (381, 8670), (399, 8718), (402, 8733), (411, 8772), (416, 8793), (439, 8877), (445, 8889), (517, 9126), (533, 9153), (535, 9156),

Gene: Arturo_10 Start: 6995, Stop: 8692, Start Num: 51

Candidate Starts for Arturo_10:

(Start: 51 @6995 has 557 MA's), (Start: 65 @7019 has 1 MA's), (Start: 117 @7142 has 2 MA's), (157, 7232), (165, 7265), (184, 7364), (206, 7448), (207, 7451), (215, 7490), (233, 7559), (236, 7583), (Start: 245 @7649 has 1 MA's), (265, 7739), (306, 7904), (324, 7991), (329, 8024), (354, 8090), (375, 8165), (381, 8189), (402, 8255), (411, 8294), (416, 8315), (445, 8411), (516, 8645), (517, 8648), (535, 8678), (537, 8681),

Gene: Asa16_2 Start: 533, Stop: 2239, Start Num: 55

Candidate Starts for Asa16_2:

(Start: 55 @533 has 34 MA's), (Start: 110 @620 has 1 MA's), (193, 905), (207, 962), (210, 983), (218, 1010), (238, 1100), (247, 1154), (257, 1199), (274, 1274), (293, 1364), (330, 1487), (337, 1526), (375, 1649), (425, 1829), (431, 1862), (445, 1904), (449, 1919), (485, 2054), (492, 2090), (506, 2150), (508, 2162),

Gene: Ascela_2 Start: 534, Stop: 2240, Start Num: 55

Candidate Starts for Ascela_2:

(Start: 55 @534 has 34 MA's), (193, 906), (207, 963), (218, 1011), (238, 1101), (257, 1200), (274, 1275), (293, 1365), (330, 1488), (337, 1527), (375, 1650), (425, 1830), (433, 1869), (445, 1905), (449, 1920), (485, 2055), (502, 2139), (506, 2151), (508, 2163),

Gene: Ashballer_10 Start: 7174, Stop: 8682, Start Num: 143

Candidate Starts for Ashballer_10:

(Start: 54 @6994 has 35 MA's), (Start: 143 @7174 has 2 MA's), (165, 7258), (167, 7285), (170, 7294), (207, 7444), (233, 7552), (Start: 245 @7642 has 1 MA's), (250, 7666), (258, 7693), (267, 7741), (302, 7885), (306, 7897), (307, 7906), (316, 7957), (385, 8191), (389, 8203), (402, 8245), (407, 8266), (414, 8293), (445, 8401), (480, 8491), (503, 8596),

Gene: Asten_6 Start: 2376, Stop: 4022, Start Num: 39

Candidate Starts for Asten_6:

(Start: 39 @2376 has 86 MA's), (Start: 49 @2394 has 10 MA's), (Start: 117 @2526 has 2 MA's), (152, 2598), (161, 2634), (201, 2814), (208, 2835), (219, 2880), (231, 2922), (240, 2994), (Start: 245 @3018 has 1 MA's), (268, 3117), (271, 3132), (278, 3156), (281, 3162), (327, 3330), (375, 3480), (380, 3501), (399, 3564), (405, 3591), (433, 3699), (445, 3738), (452, 3759), (454, 3765), (458, 3783), (492, 3879), (506, 3939), (539, 4017),

Gene: Astro_9 Start: 5704, Stop: 7458, Start Num: 31

Candidate Starts for Astro_9:

(Start: 31 @5704 has 29 MA's), (45, 5746), (Start: 65 @5785 has 1 MA's), (114, 5893), (175, 6100), (227, 6301), (Start: 245 @6409 has 1 MA's), (274, 6538), (310, 6703), (318, 6736), (356, 6856), (375, 6931), (407, 7042), (411, 7060), (416, 7081), (431, 7135), (445, 7177), (485, 7282), (506, 7381), (517, 7414), (537, 7447), (539, 7453),

Gene: Atkinbua_12 Start: 6969, Stop: 8657, Start Num: 51

Candidate Starts for Atkinbua_12:

(Start: 51 @6969 has 557 MA's), (165, 7233), (166, 7257), (207, 7419), (213, 7452), (233, 7527), (Start: 245 @7617 has 1 MA's), (250, 7641), (258, 7668), (267, 7716), (287, 7785), (306, 7872), (307, 7881), (316, 7932), (385, 8166), (389, 8178), (402, 8220), (407, 8241), (414, 8268), (445, 8376), (480, 8466), (503, 8571),

Gene: Attoomi_3 Start: 881, Stop: 2503, Start Num: 68

Candidate Starts for Attoomi_3:

(Start: 68 @881 has 1 MA's), (91, 920), (Start: 110 @953 has 1 MA's), (167, 1136), (172, 1154), (194, 1241), (201, 1277), (207, 1295), (210, 1313), (215, 1334), (227, 1370), (231, 1382), (238, 1433), (Start: 245 @1478 has 1 MA's), (246, 1484), (258, 1535), (261, 1556), (265, 1574), (284, 1637), (287, 1652), (289, 1673), (313, 1739), (322, 1775), (327, 1799), (330, 1817), (332, 1835), (342, 1868), (370, 1922), (375, 1946), (376, 1952), (378, 1958), (402, 2045), (416, 2105), (425, 2126), (432, 2162), (433, 2165), (439, 2189), (445, 2201), (458, 2246), (467, 2270), (485, 2321), (508, 2429), (534, 2489),

Gene: AugsMagnumOpus_15 Start: 6949, Stop: 8649, Start Num: 52

Candidate Starts for AugsMagnumOpus_15:

(Start: 52 @6949 has 102 MA's), (71, 6997), (139, 7132), (184, 7324), (207, 7411), (Start: 245 @7609 has 1 MA's), (265, 7699), (284, 7762), (316, 7924), (375, 8122), (381, 8146), (382, 8149), (402, 8212), (407, 8233), (416, 8272), (445, 8368), (461, 8422), (480, 8458), (517, 8605), (535, 8635), (537, 8638),

Gene: AvatarAhPeg_11 Start: 6848, Stop: 8545, Start Num: 51

Candidate Starts for AvatarAhPeg_11:

(Start: 51 @6848 has 557 MA's), (Start: 65 @6872 has 1 MA's), (Start: 143 @7034 has 2 MA's), (165, 7118), (206, 7301), (207, 7304), (215, 7343), (233, 7412), (236, 7436), (241, 7466), (Start: 245 @7502 has 1 MA's), (265, 7592), (306, 7757), (313, 7802), (324, 7844), (329, 7877), (354, 7943), (375, 8018), (381, 8042), (402, 8108), (411, 8147), (416, 8168), (445, 8264), (517, 8501), (535, 8531), (537, 8534),

Gene: Avle17_11 Start: 6884, Stop: 8581, Start Num: 51

Candidate Starts for Avle17_11:

(Start: 51 @6884 has 557 MA's), (Start: 65 @6908 has 1 MA's), (Start: 117 @7031 has 2 MA's), (157, 7121), (165, 7154), (184, 7253), (206, 7337), (207, 7340), (215, 7379), (233, 7448), (236, 7472), (Start: 245 @7538 has 1 MA's), (265, 7628), (306, 7793), (324, 7880), (329, 7913), (354, 7979), (374, 8051), (375, 8054), (381, 8078), (399, 8129), (402, 8144), (411, 8183), (416, 8204), (445, 8300), (517, 8537), (535, 8567), (537, 8570),

Gene: Axym_4 Start: 1113, Stop: 2792, Start Num: 87

Candidate Starts for Axym_4:

(Start: 87 @1113 has 64 MA's), (Start: 110 @1164 has 1 MA's), (116, 1185), (Start: 117 @1188 has 2 MA's), (140, 1230), (161, 1311), (174, 1377), (175, 1386), (192, 1458), (196, 1473), (204, 1509), (207, 1518), (217, 1569), (238, 1668), (247, 1722), (257, 1758), (289, 1902), (299, 1938), (308, 1977), (312, 2010), (324, 2058), (329, 2091), (333, 2115), (350, 2148), (367, 2181), (374, 2238), (376, 2247), (401, 2331), (407, 2358), (425, 2418), (452, 2514), (481, 2586), (485, 2598), (512, 2718), (535, 2778), (537, 2781),

Gene: Azira_6 Start: 1989, Stop: 3689, Start Num: 87

Candidate Starts for Azira_6:

(Start: 87 @1989 has 64 MA's), (101, 2019), (116, 2061), (161, 2199), (170, 2247), (176, 2277), (184, 2310), (196, 2361), (198, 2376), (207, 2406), (217, 2457), (238, 2556), (240, 2577), (257, 2646), (265, 2688), (273, 2718), (308, 2865), (315, 2916), (329, 2979), (333, 3003), (366, 3069), (371, 3102), (373, 3126), (374, 3129), (376, 3138), (382, 3159), (391, 3186), (402, 3231), (405, 3243), (406, 3249), (411, 3270), (422, 3309), (452, 3408), (462, 3444), (494, 3531), (512, 3612), (516, 3618), (535, 3675), (537, 3678),

Gene: B1_09 Start: 6133, Stop: 7830, Start Num: 51

Candidate Starts for B1_09:

(Start: 51 @6133 has 557 MA's), (86, 6205), (165, 6403), (175, 6466), (203, 6577), (207, 6589), (215, 6628), (220, 6640), (233, 6697), (236, 6721), (241, 6751), (Start: 245 @6787 has 1 MA's), (247, 6796), (265, 6877), (271, 6904), (306, 7042), (318, 7108), (324, 7129), (329, 7162), (354, 7228), (375, 7303), (381, 7327), (382, 7330), (384, 7336), (387, 7345), (402, 7393), (411, 7432), (412, 7435), (416, 7453), (445, 7549), (461, 7603), (507, 7756), (517, 7786), (535, 7816), (537, 7819),

Gene: BABullseye_15 Start: 7523, Stop: 9277, Start Num: 51

Candidate Starts for BABullseye_15:

(Start: 51 @7523 has 557 MA's), (136, 7754), (152, 7805), (161, 7841), (175, 7916), (207, 8039), (215, 8078), (233, 8147), (236, 8171), (237, 8174), (Start: 245 @8237 has 1 MA's), (250, 8261), (274, 8360), (275, 8363), (284, 8390), (286, 8393), (354, 8678), (378, 8765), (381, 8777), (402, 8840), (411, 8879), (416, 8900), (439, 8984), (445, 8996), (517, 9233), (533, 9260), (535, 9263),

Gene: BK1_09 Start: 6581, Stop: 8269, Start Num: 51

Candidate Starts for BK1_09:

(Start: 51 @6581 has 557 MA's), (Start: 143 @6761 has 2 MA's), (165, 6845), (170, 6881), (175, 6908), (207, 7031), (213, 7064), (233, 7139), (Start: 245 @7229 has 1 MA's), (250, 7253), (258, 7280), (267, 7328), (306, 7484), (316, 7544), (385, 7778), (389, 7790), (402, 7832), (407, 7853), (414, 7880), (445, 7988), (480, 8078), (503, 8183),

Gene: BPBiibs31_12 Start: 7253, Stop: 8941, Start Num: 51

Candidate Starts for BPBiibs31_12:

(Start: 51 @7253 has 557 MA's), (Start: 143 @7433 has 2 MA's), (165, 7517), (170, 7553), (175, 7580), (199, 7676), (207, 7703), (213, 7736), (233, 7811), (Start: 245 @7901 has 1 MA's), (250, 7925), (258, 7952), (267, 8000), (287, 8069), (306, 8156), (316, 8216), (382, 8441), (385, 8450), (389, 8462), (402, 8504), (407, 8525), (414, 8552), (445, 8660), (480, 8750), (503, 8855),

Gene: Baby16_11 Start: 6893, Stop: 8590, Start Num: 51

Candidate Starts for Baby16_11:

(Start: 51 @6893 has 557 MA's), (Start: 65 @6917 has 1 MA's), (Start: 117 @7040 has 2 MA's), (157, 7130), (165, 7163), (184, 7262), (206, 7346), (207, 7349), (215, 7388), (233, 7457), (236, 7481), (Start: 245 @7547 has 1 MA's), (265, 7637), (306, 7802), (324, 7889), (329, 7922), (354, 7988), (374, 8060), (375, 8063), (381, 8087), (399, 8138), (402, 8153), (411, 8192), (416, 8213), (445, 8309), (517, 8546), (535, 8576), (537, 8579),

Gene: BabyBack_13 Start: 9110, Stop: 10870, Start Num: 51

Candidate Starts for BabyBack_13:

(Start: 51 @9110 has 557 MA's), (102, 9218), (111, 9239), (132, 9329), (136, 9347), (206, 9629), (207, 9632), (215, 9671), (233, 9740), (Start: 245 @9830 has 1 MA's), (250, 9854), (274, 9953), (284, 9983), (286, 9986), (354, 10271), (375, 10346), (378, 10358), (381, 10370), (405, 10445), (412, 10475), (416, 10493), (439, 10577), (445, 10589), (467, 10658), (517, 10826), (533, 10853), (535, 10856),

Gene: BabyRay_11 Start: 6733, Stop: 8430, Start Num: 51

Candidate Starts for BabyRay_11:

(Start: 51 @6733 has 557 MA's), (Start: 65 @6757 has 1 MA's), (149, 6940), (165, 7003), (175, 7066), (203, 7177), (207, 7189), (215, 7228), (233, 7297), (236, 7321), (Start: 245 @7387 has 1 MA's), (247, 7396), (265, 7477), (306, 7642), (318, 7708), (324, 7729), (329, 7762), (354, 7828), (381, 7927), (382, 7930), (384, 7936), (387, 7945), (399, 7978), (402, 7993), (416, 8053), (445, 8149), (458, 8194), (461, 8203), (467, 8218), (507, 8356), (517, 8386), (535, 8416), (537, 8419),

Gene: Bachita_32 Start: 9113, Stop: 10861, Start Num: 84

Candidate Starts for Bachita_32:

(Start: 84 @9113 has 21 MA's), (99, 9143), (150, 9272), (180, 9458), (187, 9497), (195, 9521), (206, 9569), (211, 9596), (218, 9626), (257, 9818), (260, 9836), (297, 9998), (314, 10046), (319, 10061), (365, 10244), (367, 10250), (381, 10334), (404, 10421), (412, 10454), (445, 10568), (456, 10604), (466, 10628), (470, 10643), (520, 10817), (526, 10823),

Gene: Bachome_12 Start: 8021, Stop: 9784, Start Num: 51

Candidate Starts for Bachome_12:

(Start: 51 @8021 has 557 MA's), (Start: 63 @8042 has 4 MA's), (102, 8129), (136, 8258), (146, 8282), (161, 8345), (194, 8489), (206, 8540), (207, 8543), (233, 8654), (236, 8678), (237, 8681), (Start: 245 @8744 has 1 MA's), (247, 8753), (250, 8768), (278, 8885), (286, 8900), (295, 8960), (313, 9044), (378, 9272), (381, 9284), (399, 9332), (402, 9347), (411, 9386), (416, 9407), (428, 9446), (439, 9491), (445, 9503), (517, 9740), (533, 9767),

Gene: Backyardigan_11 Start: 6893, Stop: 8590, Start Num: 51

Candidate Starts for Backyardigan_11:

(Start: 51 @6893 has 557 MA's), (Start: 65 @6917 has 1 MA's), (165, 7163), (185, 7268), (206, 7346), (207, 7349), (215, 7388), (233, 7457), (236, 7481), (Start: 245 @7547 has 1 MA's), (265, 7637), (306, 7802), (313, 7847), (324, 7889), (329, 7922), (354, 7988), (374, 8060), (375, 8063), (381, 8087), (402, 8153), (411, 8192), (416, 8213), (445, 8309), (516, 8543), (517, 8546), (535, 8576), (537, 8579),

Gene: BaconJack_13 Start: 7032, Stop: 8720, Start Num: 51

Candidate Starts for BaconJack_13:

(Start: 51 @7032 has 557 MA's), (165, 7296), (166, 7320), (207, 7482), (213, 7515), (233, 7590), (Start: 245 @7680 has 1 MA's), (250, 7704), (258, 7731), (267, 7779), (287, 7848), (306, 7935), (316, 7995), (382, 8220), (385, 8229), (389, 8241), (402, 8283), (407, 8304), (414, 8331), (445, 8439), (480, 8529), (503, 8634),

Gene: Bactobuster_13 Start: 9196, Stop: 10974, Start Num: 51

Candidate Starts for Bactobuster_13:

(Start: 51 @9196 has 557 MA's), (Start: 63 @9214 has 4 MA's), (114, 9325), (Start: 117 @9337 has 2 MA's), (127, 9379), (130, 9391), (131, 9400), (136, 9424), (161, 9511), (206, 9706), (207, 9709), (215, 9748), (233, 9817), (Start: 245 @9907 has 1 MA's), (250, 9931), (274, 10030), (286, 10063), (350, 10363), (375, 10450), (405, 10549), (411, 10576), (416, 10597), (445, 10693), (517, 10930), (533, 10957), (535, 10960),

Gene: Badger_11 Start: 6882, Stop: 8579, Start Num: 51

Candidate Starts for Badger_11:

(Start: 51 @6882 has 557 MA's), (Start: 65 @6906 has 1 MA's), (165, 7152), (185, 7257), (206, 7335), (207, 7338), (215, 7377), (233, 7446), (236, 7470), (Start: 245 @7536 has 1 MA's), (265, 7626), (306, 7791), (313, 7836), (324, 7878), (329, 7911), (354, 7977), (374, 8049), (375, 8052), (381, 8076), (402, 8142), (411, 8181), (416, 8202), (445, 8298), (516, 8532), (517, 8535), (535, 8565), (537, 8568),

Gene: Baehexic_13 Start: 7944, Stop: 9731, Start Num: 51

Candidate Starts for Baehexic_13:

(25, 7860), (Start: 51 @7944 has 557 MA's), (102, 8052), (111, 8073), (136, 8181), (207, 8466), (233, 8574), (Start: 245 @8664 has 1 MA's), (250, 8688), (278, 8805), (286, 8820), (375, 9207), (411, 9333), (416, 9354), (445, 9450), (517, 9687), (533, 9714), (535, 9717), (537, 9720), (538, 9723),

Gene: BangNhom_10 Start: 6861, Stop: 8558, Start Num: 51

Candidate Starts for BangNhom_10:

(Start: 51 @6861 has 557 MA's), (Start: 65 @6885 has 1 MA's), (Start: 117 @7008 has 2 MA's), (157, 7098), (165, 7131), (206, 7314), (207, 7317), (215, 7356), (233, 7425), (236, 7449), (Start: 245 @7515 has 1 MA's), (265, 7605), (306, 7770), (324, 7857), (329, 7890), (354, 7956), (374, 8028), (375, 8031), (381, 8055), (399, 8106), (402, 8121), (411, 8160), (416, 8181), (445, 8277), (517, 8514), (535, 8544), (537, 8547),

Gene: Bantam_12 Start: 6089, Stop: 7825, Start Num: 84

Candidate Starts for Bantam_12:

(Start: 84 @6089 has 21 MA's), (114, 6161), (141, 6218), (171, 6350), (184, 6461), (195, 6497), (216, 6593), (Start: 245 @6737 has 1 MA's), (251, 6764), (260, 6812), (267, 6845), (283, 6902), (315, 7019), (326, 7064), (445, 7535), (485, 7643), (506, 7739),

Gene: Barnstormer_2 Start: 634, Stop: 2352, Start Num: 54

Candidate Starts for Barnstormer_2:

(Start: 54 @634 has 35 MA's), (189, 1006), (201, 1057), (207, 1075), (238, 1225), (365, 1720), (445, 2026), (449, 2041), (492, 2206), (508, 2278),

Gene: Barriga_11 Start: 6857, Stop: 8545, Start Num: 51

Candidate Starts for Barriga_11:

(Start: 51 @6857 has 557 MA's), (165, 7121), (166, 7145), (207, 7307), (213, 7340), (233, 7415), (Start: 245 @7505 has 1 MA's), (250, 7529), (258, 7556), (267, 7604), (275, 7631), (306, 7760), (307, 7769), (316, 7820), (382, 8045), (385, 8054), (389, 8066), (402, 8108), (407, 8129), (414, 8156), (445, 8264), (480, 8354), (503, 8459),

Gene: BarryBee_8 Start: 2376, Stop: 4022, Start Num: 39

Candidate Starts for BarryBee_8:

(Start: 39 @2376 has 86 MA's), (Start: 49 @2394 has 10 MA's), (Start: 117 @2526 has 2 MA's), (152, 2598), (161, 2634), (201, 2814), (208, 2835), (219, 2880), (231, 2922), (240, 2994), (Start: 245 @3018 has 1 MA's), (268, 3117), (271, 3132), (278, 3156), (281, 3162), (327, 3330), (375, 3480), (380, 3501), (399, 3564), (405, 3591), (433, 3699), (445, 3738), (452, 3759), (454, 3765), (458, 3783), (492, 3879),

(506, 3939), (539, 4017),

Gene: BartholomewSD_8 Start: 2347, Stop: 3993, Start Num: 39

Candidate Starts for BartholomewSD_8:

(Start: 39 @2347 has 86 MA's), (Start: 117 @2497 has 2 MA's), (165, 2617), (Start: 169 @2650 has 2 MA's), (192, 2743), (196, 2758), (201, 2785), (208, 2806), (231, 2893), (240, 2965), (Start: 245 @2989 has 1 MA's), (268, 3088), (276, 3124), (303, 3229), (319, 3265), (327, 3301), (330, 3319), (374, 3448), (375, 3451), (378, 3463), (380, 3472), (382, 3478), (383, 3481), (405, 3562), (411, 3589), (433, 3670), (445, 3709), (452, 3730), (458, 3754), (476, 3796), (485, 3814), (506, 3910), (539, 3988),

Gene: Bartimeaus_11 Start: 6884, Stop: 8581, Start Num: 51

Candidate Starts for Bartimeaus_11:

(Start: 51 @6884 has 557 MA's), (Start: 65 @6908 has 1 MA's), (Start: 117 @7031 has 2 MA's), (157, 7121), (165, 7154), (184, 7253), (206, 7337), (207, 7340), (215, 7379), (233, 7448), (236, 7472), (Start: 245 @7538 has 1 MA's), (265, 7628), (306, 7793), (324, 7880), (329, 7913), (354, 7979), (374, 8051), (375, 8054), (381, 8078), (399, 8129), (402, 8144), (411, 8183), (416, 8204), (445, 8300), (517, 8537), (535, 8567), (537, 8570),

Gene: Battleship_15 Start: 6808, Stop: 8505, Start Num: 51

Candidate Starts for Battleship_15:

(Start: 51 @6808 has 557 MA's), (62, 6826), (139, 6988), (175, 7144), (194, 7213), (207, 7267), (233, 7375), (237, 7402), (Start: 245 @7465 has 1 MA's), (250, 7489), (381, 8005), (402, 8068), (412, 8110), (445, 8224), (485, 8329), (517, 8461), (533, 8488), (535, 8491), (537, 8494),

Gene: BearBQ_2 Start: 486, Stop: 2147, Start Num: 87

Candidate Starts for BearBQ_2:

(29, 324), (35, 357), (Start: 36 @360 has 1 MA's), (59, 411), (Start: 64 @420 has 1 MA's), (Start: 73 @453 has 1 MA's), (Start: 87 @486 has 64 MA's), (Start: 110 @537 has 1 MA's), (114, 549), (121, 576), (139, 597), (159, 666), (161, 681), (167, 720), (174, 747), (175, 756), (176, 759), (184, 792), (191, 825), (192, 828), (196, 843), (204, 879), (205, 882), (207, 888), (210, 903), (211, 906), (219, 942), (233, 996), (240, 1047), (Start: 245 @1071 has 1 MA's), (265, 1158), (280, 1218), (286, 1227), (289, 1263), (299, 1299), (309, 1341), (317, 1395), (324, 1419), (328, 1443), (340, 1503), (350, 1509), (371, 1572), (381, 1626), (387, 1644), (402, 1701), (405, 1713), (411, 1740), (433, 1821), (442, 1851), (455, 1890), (462, 1914), (481, 1950), (485, 1962), (486, 1965), (506, 2058), (507, 2061), (510, 2079), (522, 2100), (530, 2121), (537, 2136),

Gene: BeardedLady_7 Start: 2667, Stop: 4295, Start Num: 49

Candidate Starts for BeardedLady_7:

(Start: 39 @2649 has 86 MA's), (Start: 49 @2667 has 10 MA's), (152, 2871), (Start: 169 @2952 has 2 MA's), (201, 3087), (208, 3108), (231, 3195), (240, 3267), (Start: 245 @3291 has 1 MA's), (268, 3390), (286, 3444), (313, 3543), (327, 3603), (378, 3765), (380, 3774), (405, 3864), (411, 3891), (432, 3969), (433, 3972), (445, 4011), (452, 4032), (454, 4038), (458, 4056), (492, 4152), (506, 4212),

Gene: Beauxregard13_13 Start: 6957, Stop: 8657, Start Num: 52

Candidate Starts for Beauxregard13_13:

(Start: 52 @6957 has 102 MA's), (71, 7005), (139, 7140), (184, 7332), (207, 7419), (Start: 245 @7617 has 1 MA's), (265, 7707), (284, 7770), (316, 7932), (375, 8130), (381, 8154), (382, 8157), (402, 8220), (407, 8241), (416, 8280), (445, 8376), (461, 8430), (480, 8466), (517, 8613), (535, 8643), (537, 8646),

Gene: BeeGee_2 Start: 485, Stop: 2284, Start Num: 52

Candidate Starts for BeeGee_2:

(Start: 52 @485 has 102 MA's), (115, 623), (159, 782), (161, 797), (178, 881), (185, 911), (189, 923), (192, 932), (200, 971), (207, 992), (230, 1076), (239, 1148), (247, 1184), (255, 1220), (275, 1310),

(279, 1331), (288, 1376), (289, 1382), (298, 1415), (357, 1589), (368, 1616), (382, 1685), (384, 1691), (402, 1757), (405, 1769), (411, 1796), (433, 1907), (439, 1943), (445, 1955), (454, 1979), (461, 2006), (469, 2030), (484, 2093), (492, 2135), (505, 2192), (508, 2207), (514, 2222), (516, 2225), (535, 2270), (537, 2273),

Gene: Beelzebub_39 Start: 11419, Stop: 13161, Start Num: 87

Candidate Starts for Beelzebub_39:

(Start: 87 @11419 has 64 MA's), (139, 11536), (152, 11581), (160, 11647), (162, 11662), (166, 11695), (167, 11698), (171, 11713), (176, 11737), (177, 11740), (184, 11770), (190, 11791), (192, 11809), (195, 11818), (202, 11854), (207, 11869), (217, 11914), (231, 11956), (235, 11995), (238, 12007), (240, 12028), (251, 12079), (258, 12100), (312, 12322), (333, 12427), (334, 12436), (356, 12469), (367, 12490), (368, 12493), (371, 12520), (375, 12550), (378, 12562), (382, 12577), (385, 12586), (387, 12592), (397, 12634), (400, 12643), (403, 12658), (407, 12673), (425, 12733), (431, 12772), (441, 12805), (452, 12835), (453, 12838), (471, 12922), (485, 12976), (488, 12991), (495, 13018), (506, 13072), (533, 13144), (535, 13147),

Gene: Beemo_13 Start: 8164, Stop: 9930, Start Num: 63

Candidate Starts for Beemo_13:

(Start: 51 @8143 has 557 MA's), (Start: 60 @8158 has 10 MA's), (Start: 63 @8164 has 4 MA's), (114, 8275), (136, 8374), (175, 8536), (194, 8608), (207, 8662), (215, 8701), (233, 8773), (Start: 245 @8863 has 1 MA's), (250, 8887), (278, 9004), (286, 9019), (307, 9127), (323, 9202), (329, 9238), (343, 9298), (378, 9418), (384, 9439), (399, 9478), (411, 9532), (412, 9535), (416, 9553), (431, 9607), (439, 9637), (445, 9649), (480, 9739), (486, 9757), (517, 9886), (533, 9913), (535, 9916),

Gene: BeesKnees_12 Start: 7055, Stop: 8743, Start Num: 51

Candidate Starts for BeesKnees_12:

(Start: 51 @7055 has 557 MA's), (165, 7319), (166, 7343), (207, 7505), (213, 7538), (233, 7613), (Start: 245 @7703 has 1 MA's), (250, 7727), (258, 7754), (267, 7802), (287, 7871), (306, 7958), (307, 7967), (316, 8018), (382, 8243), (385, 8252), (389, 8264), (402, 8306), (407, 8327), (414, 8354), (445, 8462), (480, 8552), (503, 8657),

Gene: Belenaria_8 Start: 3156, Stop: 4838, Start Num: 53

Candidate Starts for Belenaria_8:

(Start: 53 @3156 has 36 MA's), (Start: 143 @3342 has 2 MA's), (161, 3414), (165, 3426), (166, 3450), (170, 3462), (207, 3615), (209, 3630), (227, 3690), (Start: 245 @3798 has 1 MA's), (258, 3855), (304, 4053), (308, 4071), (318, 4125), (356, 4236), (368, 4269), (375, 4311), (384, 4344), (405, 4413), (445, 4557), (458, 4602), (485, 4662), (506, 4761), (517, 4794), (533, 4821), (535, 4824), (537, 4827),

Gene: BellusTerra_11 Start: 6884, Stop: 8581, Start Num: 51

Candidate Starts for BellusTerra_11:

(13, 6707), (17, 6725), (Start: 19 @6755 has 1 MA's), (Start: 51 @6884 has 557 MA's), (Start: 65 @6908 has 1 MA's), (Start: 117 @7031 has 2 MA's), (157, 7121), (165, 7154), (206, 7337), (207, 7340), (215, 7379), (233, 7448), (236, 7472), (Start: 245 @7538 has 1 MA's), (265, 7628), (306, 7793), (324, 7880), (329, 7913), (354, 7979), (374, 8051), (375, 8054), (381, 8078), (399, 8129), (402, 8144), (411, 8183), (416, 8204), (445, 8300), (517, 8537), (535, 8567), (537, 8570),

Gene: Benedict_9 Start: 6015, Stop: 7766, Start Num: 31

Candidate Starts for Benedict_9:

(Start: 28 @5988 has 19 MA's), (Start: 31 @6015 has 29 MA's), (Start: 53 @6075 has 36 MA's), (58, 6084), (Start: 72 @6123 has 1 MA's), (112, 6198), (114, 6204), (161, 6336), (175, 6411), (176, 6414), (221, 6588), (Start: 245 @6720 has 1 MA's), (256, 6765), (271, 6843), (274, 6849), (310, 7014), (318, 7047), (324, 7068), (375, 7242), (381, 7266), (411, 7368), (416, 7389), (431, 7443), (439, 7473), (445, 7485), (461, 7539), (516, 7719), (517, 7722), (537, 7755), (539, 7761),

Gene: BengiVuitton_13 Start: 7865, Stop: 9655, Start Num: 51

Candidate Starts for BengiVuitton_13:

(12, 7691), (Start: 51 @7865 has 557 MA's), (102, 7973), (111, 7994), (132, 8084), (136, 8102), (146, 8126), (207, 8390), (233, 8498), (Start: 245 @8588 has 1 MA's), (250, 8612), (278, 8729), (286, 8744), (350, 9044), (405, 9230), (411, 9257), (445, 9374), (517, 9611), (533, 9638), (535, 9641),

Gene: Benvolio_12 Start: 7541, Stop: 9328, Start Num: 51

Candidate Starts for Benvolio_12:

(12, 7367), (Start: 51 @7541 has 557 MA's), (102, 7649), (111, 7670), (136, 7778), (161, 7865), (206, 8060), (207, 8063), (233, 8171), (Start: 245 @8261 has 1 MA's), (250, 8285), (278, 8402), (286, 8417), (350, 8717), (405, 8903), (411, 8930), (416, 8951), (445, 9047), (517, 9284), (533, 9311), (535, 9314),

Gene: Bernal13_3 Start: 724, Stop: 2607, Start Num: 39

Candidate Starts for Bernal13_3:

(9, 475), (Start: 39 @724 has 86 MA's), (Start: 75 @805 has 1 MA's), (83, 814), (120, 910), (124, 922), (161, 1054), (195, 1201), (196, 1207), (201, 1234), (207, 1252), (224, 1315), (248, 1450), (290, 1651), (311, 1708), (376, 1927), (394, 1978), (396, 2002), (408, 2053), (434, 2182), (441, 2221), (445, 2230), (460, 2281), (469, 2320), (481, 2407), (485, 2419), (505, 2512), (508, 2527), (509, 2530),

Gene: Berrie_2 Start: 532, Stop: 2238, Start Num: 55

Candidate Starts for Berrie_2:

(Start: 55 @532 has 34 MA's), (193, 904), (207, 961), (218, 1009), (238, 1099), (274, 1273), (337, 1525), (375, 1648), (425, 1828), (445, 1903), (449, 1918), (485, 2053), (502, 2137), (506, 2149), (508, 2161),

Gene: BiancaTri92_14 Start: 9218, Stop: 11005, Start Num: 51

Candidate Starts for BiancaTri92_14:

(Start: 51 @9218 has 557 MA's), (102, 9326), (111, 9347), (136, 9455), (161, 9542), (171, 9596), (206, 9737), (207, 9740), (215, 9779), (233, 9848), (Start: 245 @9938 has 1 MA's), (250, 9962), (278, 10079), (286, 10094), (350, 10394), (375, 10481), (405, 10580), (411, 10607), (416, 10628), (445, 10724), (517, 10961), (533, 10988), (535, 10991),

Gene: BigChungus_3 Start: 928, Stop: 2604, Start Num: 87

Candidate Starts for BigChungus_3:

(Start: 87 @928 has 64 MA's), (Start: 110 @979 has 1 MA's), (116, 1000), (140, 1045), (152, 1087), (161, 1123), (174, 1189), (196, 1285), (204, 1321), (207, 1330), (208, 1333), (217, 1381), (220, 1393), (238, 1480), (276, 1660), (289, 1714), (328, 1894), (333, 1927), (367, 1993), (376, 2059), (378, 2065), (402, 2149), (425, 2230), (431, 2263), (454, 2332), (485, 2410), (495, 2452), (507, 2509), (512, 2530), (516, 2536), (535, 2590), (537, 2593),

Gene: BigMau_13 Start: 7221, Stop: 8909, Start Num: 54

Candidate Starts for BigMau_13:

(Start: 54 @7221 has 35 MA's), (139, 7392), (Start: 143 @7401 has 2 MA's), (165, 7485), (167, 7512), (170, 7521), (207, 7671), (213, 7704), (233, 7779), (Start: 245 @7869 has 1 MA's), (250, 7893), (258, 7920), (267, 7968), (306, 8124), (316, 8184), (382, 8409), (385, 8418), (389, 8430), (402, 8472), (407, 8493), (414, 8520), (445, 8628), (480, 8718), (503, 8823),

Gene: BigPaolini_12 Start: 7646, Stop: 9334, Start Num: 51

Candidate Starts for BigPaolini_12:

(Start: 51 @7646 has 557 MA's), (165, 7910), (166, 7934), (207, 8096), (213, 8129), (233, 8204), (Start: 245 @8294 has 1 MA's), (250, 8318), (258, 8345), (267, 8393), (287, 8462), (306, 8549), (307, 8558), (315, 8606), (316, 8609), (385, 8843), (389, 8855), (402, 8897), (407, 8918), (414, 8945), (445,

9053), (480, 9143), (503, 9248),

Gene: Bigfoot_10 Start: 6745, Stop: 8433, Start Num: 51

Candidate Starts for Bigfoot_10:

(Start: 51 @6745 has 557 MA's), (Start: 143 @6925 has 2 MA's), (165, 7009), (170, 7045), (175, 7072), (207, 7195), (233, 7303), (Start: 245 @7393 has 1 MA's), (250, 7417), (267, 7492), (287, 7561), (306, 7648), (316, 7708), (382, 7933), (385, 7942), (389, 7954), (402, 7996), (407, 8017), (414, 8044), (445, 8152), (480, 8242), (503, 8347),

Gene: BillDoor_6 Start: 1115, Stop: 2794, Start Num: 87

Candidate Starts for BillDoor_6:

(Start: 87 @1115 has 64 MA's), (Start: 110 @1166 has 1 MA's), (116, 1187), (Start: 117 @1190 has 2 MA's), (140, 1232), (159, 1298), (Start: 169 @1358 has 2 MA's), (174, 1379), (175, 1388), (196, 1475), (204, 1511), (207, 1520), (217, 1571), (238, 1670), (247, 1724), (257, 1760), (289, 1904), (299, 1940), (308, 1979), (334, 2126), (350, 2150), (376, 2249), (401, 2333), (425, 2420), (452, 2516), (472, 2564), (481, 2588), (494, 2639), (512, 2720), (535, 2780), (537, 2783),

Gene: BillKnuckles_12 Start: 7662, Stop: 9350, Start Num: 51

Candidate Starts for BillKnuckles_12:

(Start: 51 @7662 has 557 MA's), (Start: 143 @7842 has 2 MA's), (165, 7926), (170, 7962), (207, 8112), (213, 8145), (233, 8220), (Start: 245 @8310 has 1 MA's), (250, 8334), (258, 8361), (289, 8502), (316, 8625), (375, 8823), (382, 8850), (404, 8922), (407, 8934), (412, 8955), (428, 9012), (445, 9069), (480, 9159), (481, 9162), (506, 9273), (507, 9276), (517, 9306), (535, 9336), (537, 9339),

Gene: Bircsak_11 Start: 7206, Stop: 8894, Start Num: 51

Candidate Starts for Bircsak_11:

(Start: 51 @7206 has 557 MA's), (165, 7470), (166, 7494), (207, 7656), (213, 7689), (233, 7764), (Start: 245 @7854 has 1 MA's), (250, 7878), (258, 7905), (267, 7953), (306, 8109), (316, 8169), (382, 8394), (385, 8403), (389, 8415), (402, 8457), (407, 8478), (414, 8505), (445, 8613), (480, 8703), (503, 8808),

Gene: Birdsong_2 Start: 486, Stop: 2147, Start Num: 87

Candidate Starts for Birdsong_2:

(29, 324), (35, 357), (Start: 36 @360 has 1 MA's), (43, 378), (59, 411), (Start: 64 @420 has 1 MA's), (Start: 73 @453 has 1 MA's), (Start: 87 @486 has 64 MA's), (Start: 110 @537 has 1 MA's), (114, 549), (121, 576), (159, 666), (174, 747), (175, 756), (176, 759), (184, 792), (196, 843), (204, 879), (205, 882), (207, 888), (210, 903), (211, 906), (215, 924), (219, 942), (233, 996), (240, 1047), (Start: 245 @1071 has 1 MA's), (265, 1158), (280, 1218), (286, 1227), (289, 1263), (299, 1299), (308, 1338), (309, 1341), (312, 1371), (340, 1503), (350, 1509), (371, 1572), (381, 1626), (387, 1644), (402, 1701), (405, 1713), (411, 1740), (433, 1821), (442, 1851), (455, 1890), (462, 1914), (481, 1950), (485, 1962), (486, 1965), (506, 2058), (507, 2061), (510, 2079), (522, 2100), (530, 2121), (537, 2136),

Gene: Biskit_5 Start: 1110, Stop: 2789, Start Num: 87

Candidate Starts for Biskit_5:

(Start: 87 @1110 has 64 MA's), (Start: 110 @1161 has 1 MA's), (116, 1182), (138, 1221), (161, 1308), (Start: 169 @1353 has 2 MA's), (174, 1374), (175, 1383), (192, 1455), (204, 1506), (207, 1515), (217, 1566), (238, 1665), (240, 1686), (247, 1719), (257, 1755), (289, 1899), (299, 1935), (308, 1974), (312, 2007), (324, 2055), (333, 2112), (350, 2145), (367, 2178), (376, 2244), (378, 2250), (397, 2316), (401, 2328), (425, 2415), (452, 2511), (472, 2559), (494, 2634), (512, 2715), (535, 2775), (537, 2778),

Gene: Blackbeetle_35 Start: 10438, Stop: 12180, Start Num: 87

Candidate Starts for Blackbeetle_35:

(Start: 87 @10438 has 64 MA's), (139, 10555), (152, 10600), (160, 10666), (162, 10681), (166, 10714), (167, 10717), (171, 10732), (176, 10756), (177, 10759), (184, 10789), (190, 10810), (192, 10828), (195, 10837), (202, 10873), (207, 10888), (217, 10933), (231, 10975), (235, 11014), (238, 11026), (240, 11047), (251, 11098), (258, 11119), (312, 11341), (333, 11446), (334, 11455), (356, 11488), (367, 11509), (368, 11512), (371, 11539), (375, 11569), (378, 11581), (382, 11596), (385, 11605), (387, 11611), (397, 11653), (400, 11662), (403, 11677), (407, 11692), (425, 11752), (431, 11791), (441, 11824), (452, 11854), (453, 11857), (471, 11941), (485, 11995), (488, 12010), (495, 12037), (506, 12091), (533, 12163), (535, 12166),

Gene: Blackmoor_11 Start: 6884, Stop: 8581, Start Num: 51

Candidate Starts for Blackmoor_11:

(Start: 51 @6884 has 557 MA's), (Start: 65 @6908 has 1 MA's), (Start: 117 @7031 has 2 MA's), (157, 7121), (165, 7154), (184, 7253), (206, 7337), (207, 7340), (215, 7379), (233, 7448), (236, 7472), (Start: 245 @7538 has 1 MA's), (265, 7628), (306, 7793), (324, 7880), (329, 7913), (354, 7979), (374, 8051), (375, 8054), (381, 8078), (399, 8129), (402, 8144), (411, 8183), (416, 8204), (445, 8300), (517, 8537), (535, 8567), (537, 8570),

Gene: Blinn1_15 Start: 7566, Stop: 9320, Start Num: 51

Candidate Starts for Blinn1_15:

(Start: 51 @7566 has 557 MA's), (136, 7797), (152, 7848), (161, 7884), (175, 7959), (207, 8082), (215, 8121), (233, 8190), (236, 8214), (237, 8217), (Start: 245 @8280 has 1 MA's), (250, 8304), (274, 8403), (275, 8406), (284, 8433), (286, 8436), (354, 8721), (378, 8808), (381, 8820), (402, 8883), (411, 8922), (416, 8943), (439, 9027), (445, 9039), (517, 9276), (533, 9303), (535, 9306),

Gene: BluSpix_11 Start: 7005, Stop: 8693, Start Num: 51

Candidate Starts for BluSpix_11:

(Start: 51 @7005 has 557 MA's), (Start: 143 @7185 has 2 MA's), (165, 7269), (166, 7293), (207, 7455), (213, 7488), (233, 7563), (Start: 245 @7653 has 1 MA's), (250, 7677), (258, 7704), (267, 7752), (306, 7908), (316, 7968), (382, 8193), (385, 8202), (389, 8214), (402, 8256), (407, 8277), (414, 8304), (445, 8412), (480, 8502), (503, 8607),

Gene: Blue_11 Start: 7112, Stop: 8800, Start Num: 51

Candidate Starts for Blue_11:

(Start: 51 @7112 has 557 MA's), (66, 7133), (Start: 143 @7292 has 2 MA's), (165, 7376), (170, 7412), (175, 7439), (207, 7562), (213, 7595), (233, 7670), (Start: 245 @7760 has 1 MA's), (250, 7784), (258, 7811), (267, 7859), (287, 7928), (302, 8003), (306, 8015), (316, 8075), (382, 8300), (385, 8309), (389, 8321), (402, 8363), (407, 8384), (414, 8411), (445, 8519), (480, 8609), (503, 8714),

Gene: Blue7_15 Start: 7507, Stop: 9261, Start Num: 51

Candidate Starts for Blue7_15:

(Start: 51 @7507 has 557 MA's), (114, 7639), (136, 7738), (146, 7762), (152, 7789), (161, 7825), (175, 7900), (207, 8023), (209, 8038), (215, 8062), (233, 8131), (236, 8155), (237, 8158), (Start: 245 @8221 has 1 MA's), (250, 8245), (284, 8374), (286, 8377), (308, 8488), (348, 8650), (375, 8737), (378, 8749), (381, 8761), (399, 8809), (402, 8824), (411, 8863), (416, 8884), (439, 8968), (445, 8980), (517, 9217), (533, 9244), (535, 9247),

Gene: BlueBird_12 Start: 6496, Stop: 8193, Start Num: 51

Candidate Starts for BlueBird_12:

(Start: 51 @6496 has 557 MA's), (Start: 65 @6520 has 1 MA's), (86, 6568), (165, 6766), (175, 6829), (203, 6940), (207, 6952), (215, 6991), (220, 7003), (233, 7060), (236, 7084), (Start: 245 @7150 has 1 MA's), (247, 7159), (265, 7240), (271, 7267), (306, 7405), (324, 7492), (329, 7525), (354, 7591), (375, 7666), (381, 7690), (382, 7693), (384, 7699), (387, 7708), (399, 7741), (402, 7756), (416, 7816), (445, 7912), (458, 7957), (461, 7966), (507, 8119), (517, 8149), (535, 8179), (537, 8182),

Gene: Bluefalcon_8 Start: 6239, Stop: 8017, Start Num: 28

Candidate Starts for Bluefalcon_8:

(Start: 28 @6239 has 19 MA's), (Start: 31 @6266 has 29 MA's), (58, 6335), (112, 6449), (114, 6455), (161, 6587), (175, 6662), (176, 6665), (221, 6839), (227, 6863), (Start: 245 @6971 has 1 MA's), (256, 7016), (271, 7094), (274, 7100), (275, 7103), (310, 7265), (311, 7271), (318, 7298), (324, 7319), (375, 7493), (381, 7517), (382, 7520), (384, 7526), (402, 7580), (405, 7592), (411, 7619), (416, 7640), (431, 7694), (439, 7724), (445, 7736), (517, 7973), (537, 8006), (539, 8012),

Gene: Bob3_10 Start: 6561, Stop: 8249, Start Num: 51

Candidate Starts for Bob3_10:

(Start: 51 @6561 has 557 MA's), (165, 6825), (166, 6849), (207, 7011), (213, 7044), (233, 7119), (Start: 245 @7209 has 1 MA's), (250, 7233), (258, 7260), (267, 7308), (306, 7464), (316, 7524), (382, 7749), (385, 7758), (389, 7770), (402, 7812), (407, 7833), (414, 7860), (445, 7968), (480, 8058), (503, 8163),

Gene: BobSwaget_15 Start: 9121, Stop: 10902, Start Num: 51

Candidate Starts for BobSwaget_15:

(21, 9001), (38, 9094), (Start: 51 @9121 has 557 MA's), (114, 9253), (131, 9328), (136, 9352), (152, 9403), (206, 9634), (207, 9637), (215, 9676), (233, 9745), (Start: 245 @9835 has 1 MA's), (250, 9859), (274, 9958), (284, 9988), (286, 9991), (399, 10450), (402, 10465), (405, 10477), (411, 10504), (416, 10525), (445, 10621), (517, 10858), (533, 10885), (535, 10888),

Gene: BobbyDazzler_8 Start: 3413, Stop: 4909, Start Num: 143

Candidate Starts for BobbyDazzler_8:

(Start: 53 @3227 has 36 MA's), (Start: 143 @3413 has 2 MA's), (161, 3485), (165, 3497), (166, 3521), (170, 3533), (209, 3701), (227, 3761), (236, 3818), (237, 3821), (Start: 245 @3869 has 1 MA's), (304, 4124), (308, 4142), (318, 4196), (368, 4340), (375, 4382), (384, 4415), (405, 4484), (445, 4628), (458, 4673), (485, 4733), (506, 4832), (517, 4865), (533, 4892), (535, 4895), (537, 4898),

Gene: BogosyJay_13 Start: 7900, Stop: 9687, Start Num: 51

Candidate Starts for BogosyJay_13:

(Start: 51 @7900 has 557 MA's), (Start: 60 @7915 has 10 MA's), (114, 8032), (136, 8131), (175, 8293), (194, 8365), (207, 8419), (215, 8458), (233, 8530), (Start: 245 @8620 has 1 MA's), (250, 8644), (278, 8761), (286, 8776), (307, 8884), (323, 8959), (343, 9055), (358, 9091), (378, 9175), (384, 9196), (399, 9235), (411, 9289), (416, 9310), (439, 9394), (445, 9406), (481, 9499), (486, 9514), (517, 9643), (533, 9670), (535, 9673),

Gene: Bombshell_11 Start: 6884, Stop: 8581, Start Num: 51

Candidate Starts for Bombshell_11:

(Start: 51 @6884 has 557 MA's), (Start: 65 @6908 has 1 MA's), (Start: 117 @7031 has 2 MA's), (157, 7121), (165, 7154), (184, 7253), (206, 7337), (207, 7340), (215, 7379), (233, 7448), (236, 7472), (Start: 245 @7538 has 1 MA's), (265, 7628), (306, 7793), (324, 7880), (329, 7913), (354, 7979), (374, 8051), (375, 8054), (381, 8078), (399, 8129), (402, 8144), (411, 8183), (416, 8204), (445, 8300), (517, 8537), (535, 8567), (537, 8570),

Gene: Bonamassa_9 Start: 6188, Stop: 7939, Start Num: 31

Candidate Starts for Bonamassa_9:

(Start: 28 @6161 has 19 MA's), (Start: 31 @6188 has 29 MA's), (58, 6257), (112, 6371), (114, 6377), (161, 6509), (175, 6584), (176, 6587), (184, 6620), (194, 6653), (221, 6761), (227, 6785), (233, 6818), (Start: 245 @6893 has 1 MA's), (256, 6938), (271, 7016), (274, 7022), (318, 7220), (324, 7241), (375, 7415), (381, 7439), (382, 7442), (402, 7502), (405, 7514), (411, 7541), (416, 7562), (439, 7646), (445, 7658), (517, 7895), (537, 7928), (539, 7934),

Gene: Bonanza_8 Start: 3156, Stop: 4838, Start Num: 53

Candidate Starts for Bonanza_8:

(Start: 53 @3156 has 36 MA's), (Start: 143 @3342 has 2 MA's), (161, 3414), (165, 3426), (166, 3450), (170, 3462), (209, 3630), (227, 3690), (236, 3747), (237, 3750), (Start: 245 @3798 has 1 MA's), (304, 4053), (308, 4071), (318, 4125), (368, 4269), (375, 4311), (384, 4344), (405, 4413), (445, 4557), (458, 4602), (485, 4662), (506, 4761), (517, 4794), (533, 4821), (535, 4824), (537, 4827),

Gene: Bones_11 Start: 6756, Stop: 8444, Start Num: 51

Candidate Starts for Bones_11:

(Start: 51 @6756 has 557 MA's), (165, 7020), (166, 7044), (207, 7206), (213, 7239), (233, 7314), (Start: 245 @7404 has 1 MA's), (250, 7428), (267, 7503), (306, 7659), (307, 7668), (315, 7716), (316, 7719), (382, 7944), (385, 7953), (389, 7965), (402, 8007), (407, 8028), (414, 8055), (445, 8163), (480, 8253), (503, 8358),

Gene: Boohoo_14 Start: 6686, Stop: 8383, Start Num: 51

Candidate Starts for Boohoo_14:

(Start: 51 @6686 has 557 MA's), (62, 6704), (139, 6866), (175, 7022), (194, 7091), (207, 7145), (233, 7253), (237, 7280), (Start: 245 @7343 has 1 MA's), (250, 7367), (381, 7883), (402, 7946), (412, 7988), (445, 8102), (485, 8207), (517, 8339), (533, 8366), (535, 8369), (537, 8372),

Gene: Bovely_6 Start: 2408, Stop: 4054, Start Num: 39

Candidate Starts for Bovely_6:

(Start: 39 @2408 has 86 MA's), (Start: 49 @2426 has 10 MA's), (152, 2630), (Start: 169 @2711 has 2 MA's), (201, 2846), (208, 2867), (231, 2954), (240, 3026), (Start: 245 @3050 has 1 MA's), (268, 3149), (286, 3203), (313, 3302), (327, 3362), (378, 3524), (380, 3533), (405, 3623), (411, 3650), (432, 3728), (433, 3731), (445, 3770), (452, 3791), (454, 3797), (458, 3815), (492, 3911), (506, 3971),

Gene: Bowden_7 Start: 2249, Stop: 3895, Start Num: 39

Candidate Starts for Bowden_7:

(Start: 39 @2249 has 86 MA's), (165, 2519), (166, 2543), (Start: 169 @2552 has 2 MA's), (192, 2645), (196, 2660), (201, 2687), (208, 2708), (231, 2795), (240, 2867), (Start: 245 @2891 has 1 MA's), (268, 2990), (276, 3026), (303, 3131), (319, 3167), (327, 3203), (330, 3221), (374, 3350), (375, 3353), (378, 3365), (380, 3374), (383, 3383), (405, 3464), (411, 3491), (417, 3518), (433, 3572), (445, 3611), (452, 3632), (458, 3656), (467, 3680), (485, 3716), (506, 3812), (539, 3890),

Gene: Bowtie_12 Start: 8024, Stop: 9787, Start Num: 51

Candidate Starts for Bowtie_12:

(Start: 51 @8024 has 557 MA's), (Start: 63 @8045 has 4 MA's), (102, 8132), (136, 8261), (146, 8285), (161, 8348), (194, 8492), (206, 8543), (207, 8546), (233, 8657), (236, 8681), (237, 8684), (Start: 245 @8747 has 1 MA's), (247, 8756), (250, 8771), (278, 8888), (286, 8903), (295, 8963), (313, 9047), (378, 9275), (381, 9287), (399, 9335), (402, 9350), (411, 9389), (416, 9410), (428, 9449), (439, 9494), (445, 9506), (517, 9743), (533, 9770),

Gene: Bradissa_2 Start: 485, Stop: 2284, Start Num: 52

Candidate Starts for Bradissa_2:

(Start: 52 @485 has 102 MA's), (115, 623), (122, 650), (159, 782), (161, 797), (178, 881), (185, 911), (189, 923), (191, 929), (192, 932), (200, 971), (207, 992), (223, 1052), (230, 1076), (239, 1148), (Start: 245 @1175 has 1 MA's), (247, 1184), (255, 1220), (275, 1310), (279, 1331), (289, 1382), (298, 1415), (324, 1490), (357, 1589), (368, 1616), (382, 1685), (384, 1691), (402, 1757), (405, 1769), (411, 1796), (433, 1907), (439, 1943), (445, 1955), (446, 1961), (454, 1979), (461, 2006), (469, 2030), (484, 2093), (492, 2135), (505, 2192), (508, 2207), (514, 2222), (535, 2270), (537, 2273),

Gene: Bradshaw_8 Start: 3156, Stop: 4838, Start Num: 53

Candidate Starts for Bradshaw_8:

(Start: 53 @3156 has 36 MA's), (Start: 143 @3342 has 2 MA's), (161, 3414), (165, 3426), (166, 3450), (170, 3462), (207, 3615), (209, 3630), (227, 3690), (Start: 245 @3798 has 1 MA's), (258, 3855), (304, 4053), (308, 4071), (318, 4125), (368, 4269), (374, 4308), (375, 4311), (384, 4344), (405, 4413), (445, 4557), (458, 4602), (485, 4662), (506, 4761), (517, 4794), (533, 4821), (535, 4824), (537, 4827),

Gene: Brataylor_7 Start: 2379, Stop: 4025, Start Num: 39

Candidate Starts for Brataylor_7:

(Start: 39 @2379 has 86 MA's), (Start: 49 @2397 has 10 MA's), (152, 2601), (161, 2637), (201, 2817), (208, 2838), (219, 2883), (231, 2925), (240, 2997), (Start: 245 @3021 has 1 MA's), (268, 3120), (271, 3135), (278, 3159), (281, 3165), (327, 3333), (375, 3483), (380, 3504), (384, 3516), (405, 3594), (433, 3702), (445, 3741), (452, 3762), (454, 3768), (458, 3786), (506, 3942),

Gene: BreSam8_13 Start: 6950, Stop: 8650, Start Num: 52

Candidate Starts for BreSam8_13:

(Start: 52 @6950 has 102 MA's), (71, 6998), (139, 7133), (184, 7325), (207, 7412), (Start: 245 @7610 has 1 MA's), (265, 7700), (284, 7763), (316, 7925), (375, 8123), (381, 8147), (382, 8150), (402, 8213), (407, 8234), (416, 8273), (445, 8369), (461, 8423), (480, 8459), (517, 8606), (535, 8636), (537, 8639),

Gene: BritBrat_2 Start: 485, Stop: 2284, Start Num: 52

Candidate Starts for BritBrat_2:

(Start: 52 @485 has 102 MA's), (115, 623), (122, 650), (159, 782), (161, 797), (178, 881), (185, 911), (189, 923), (192, 932), (200, 971), (207, 992), (223, 1052), (230, 1076), (239, 1148), (247, 1184), (255, 1220), (275, 1310), (279, 1331), (288, 1376), (289, 1382), (292, 1400), (298, 1415), (357, 1589), (368, 1616), (382, 1685), (384, 1691), (402, 1757), (405, 1769), (411, 1796), (433, 1907), (439, 1943), (445, 1955), (446, 1961), (454, 1979), (461, 2006), (469, 2030), (484, 2093), (492, 2135), (505, 2192), (508, 2207), (514, 2222), (535, 2270), (537, 2273),

Gene: Briton15_13 Start: 7067, Stop: 8755, Start Num: 51

Candidate Starts for Briton15_13:

(Start: 51 @7067 has 557 MA's), (165, 7331), (166, 7355), (207, 7517), (213, 7550), (233, 7625), (Start: 245 @7715 has 1 MA's), (250, 7739), (267, 7814), (287, 7883), (306, 7970), (307, 7979), (316, 8030), (385, 8264), (389, 8276), (402, 8318), (407, 8339), (414, 8366), (445, 8474), (480, 8564), (503, 8669),

Gene: BroPlease_7 Start: 2717, Stop: 4060, Start Num: 169

Candidate Starts for BroPlease_7:

(Start: 169 @2717 has 2 MA's), (171, 2726), (174, 2738), (192, 2810), (194, 2816), (196, 2825), (201, 2852), (208, 2873), (231, 2960), (237, 3008), (240, 3032), (Start: 245 @3056 has 1 MA's), (265, 3143), (268, 3155), (286, 3209), (319, 3332), (327, 3368), (368, 3476), (380, 3539), (384, 3551), (399, 3602), (405, 3629), (411, 3656), (433, 3737), (445, 3776), (454, 3803), (458, 3821), (500, 3956), (506, 3977), (539, 4055),

Gene: Broseidon_11 Start: 6884, Stop: 8581, Start Num: 51

Candidate Starts for Broseidon_11:

(Start: 51 @6884 has 557 MA's), (Start: 65 @6908 has 1 MA's), (Start: 117 @7031 has 2 MA's), (157, 7121), (165, 7154), (184, 7253), (206, 7337), (207, 7340), (215, 7379), (233, 7448), (236, 7472), (Start: 245 @7538 has 1 MA's), (265, 7628), (306, 7793), (324, 7880), (329, 7913), (354, 7979), (374, 8051), (375, 8054), (381, 8078), (399, 8129), (402, 8144), (411, 8183), (416, 8204), (445, 8300), (517, 8537), (535, 8567), (537, 8570),

Gene: Bruiser_11 Start: 6884, Stop: 8581, Start Num: 51

Candidate Starts for Bruiser_11:

(Start: 51 @6884 has 557 MA's), (Start: 65 @6908 has 1 MA's), (Start: 117 @7031 has 2 MA's), (157, 7121), (165, 7154), (184, 7253), (206, 7337), (207, 7340), (215, 7379), (233, 7448), (236, 7472), (Start: 245 @7538 has 1 MA's), (265, 7628), (306, 7793), (324, 7880), (329, 7913), (354, 7979), (374, 8051), (375, 8054), (381, 8078), (399, 8129), (402, 8144), (411, 8183), (416, 8204), (445, 8300), (517, 8537), (535, 8567), (537, 8570),

Gene: Bruns_10 Start: 6924, Stop: 8612, Start Num: 54

Candidate Starts for Bruns_10:

(Start: 54 @6924 has 35 MA's), (Start: 143 @7104 has 2 MA's), (165, 7188), (167, 7215), (170, 7224), (207, 7374), (213, 7407), (233, 7482), (Start: 245 @7572 has 1 MA's), (250, 7596), (258, 7623), (267, 7671), (306, 7827), (316, 7887), (385, 8121), (389, 8133), (402, 8175), (407, 8196), (414, 8223), (445, 8331), (480, 8421), (503, 8526),

Gene: BrutonGaster_18 Start: 5409, Stop: 7157, Start Num: 84

Candidate Starts for BrutonGaster_18:

(Start: 84 @5409 has 21 MA's), (99, 5439), (137, 5529), (150, 5568), (187, 5793), (192, 5808), (195, 5817), (206, 5865), (211, 5892), (257, 6114), (260, 6132), (292, 6282), (314, 6342), (315, 6345), (319, 6357), (375, 6606), (376, 6612), (404, 6717), (405, 6720), (411, 6747), (425, 6789), (445, 6864), (456, 6900), (466, 6924), (520, 7113), (526, 7119),

Gene: BryanRecycles_7 Start: 2562, Stop: 4208, Start Num: 39

Candidate Starts for BryanRecycles_7:

(Start: 39 @2562 has 86 MA's), (Start: 49 @2580 has 10 MA's), (152, 2784), (Start: 169 @2865 has 2 MA's), (201, 3000), (208, 3021), (219, 3066), (231, 3108), (240, 3180), (Start: 245 @3204 has 1 MA's), (265, 3291), (268, 3303), (286, 3357), (313, 3456), (327, 3516), (378, 3678), (380, 3687), (405, 3777), (413, 3810), (432, 3882), (433, 3885), (445, 3924), (452, 3945), (454, 3951), (458, 3969), (492, 4065), (506, 4125),

Gene: Bryce_8 Start: 3156, Stop: 4838, Start Num: 53

Candidate Starts for Bryce_8:

(Start: 53 @3156 has 36 MA's), (Start: 143 @3342 has 2 MA's), (161, 3414), (165, 3426), (166, 3450), (170, 3462), (209, 3630), (227, 3690), (236, 3747), (237, 3750), (Start: 245 @3798 has 1 MA's), (304, 4053), (308, 4071), (318, 4125), (368, 4269), (375, 4311), (384, 4344), (405, 4413), (445, 4557), (458, 4602), (485, 4662), (506, 4761), (517, 4794), (533, 4821), (535, 4824), (537, 4827),

Gene: BubbleTrouble_11 Start: 6884, Stop: 8581, Start Num: 51

Candidate Starts for BubbleTrouble_11:

(Start: 51 @6884 has 557 MA's), (Start: 65 @6908 has 1 MA's), (Start: 117 @7031 has 2 MA's), (157, 7121), (165, 7154), (184, 7253), (206, 7337), (207, 7340), (215, 7379), (233, 7448), (236, 7472), (Start: 245 @7538 has 1 MA's), (265, 7628), (306, 7793), (324, 7880), (329, 7913), (354, 7979), (374, 8051), (375, 8054), (381, 8078), (399, 8129), (402, 8144), (411, 8183), (416, 8204), (445, 8300), (517, 8537), (535, 8567), (537, 8570),

Gene: Bud_12 Start: 8030, Stop: 9793, Start Num: 51

Candidate Starts for Bud_12:

(Start: 51 @8030 has 557 MA's), (Start: 63 @8051 has 4 MA's), (102, 8138), (136, 8267), (146, 8291), (161, 8354), (194, 8498), (206, 8549), (207, 8552), (233, 8663), (236, 8687), (237, 8690), (Start: 245 @8753 has 1 MA's), (247, 8762), (250, 8777), (278, 8894), (286, 8909), (295, 8969), (313, 9053), (378, 9281), (381, 9293), (399, 9341), (402, 9356), (411, 9395), (416, 9416), (428, 9455), (439, 9500), (445, 9512), (517, 9749), (533, 9776),

Gene: Bugatti_11 Start: 6496, Stop: 8193, Start Num: 51

Candidate Starts for Bugatti_11:

(Start: 51 @6496 has 557 MA's), (Start: 65 @6520 has 1 MA's), (86, 6568), (165, 6766), (175, 6829), (203, 6940), (207, 6952), (215, 6991), (220, 7003), (233, 7060), (236, 7084), (Start: 245 @7150 has 1 MA's), (247, 7159), (265, 7240), (271, 7267), (306, 7405), (324, 7492), (329, 7525), (354, 7591), (375, 7666), (381, 7690), (382, 7693), (384, 7699), (387, 7708), (399, 7741), (402, 7756), (416, 7816), (445, 7912), (458, 7957), (461, 7966), (507, 8119), (517, 8149), (535, 8179), (537, 8182),

Gene: Buggy_14 Start: 7887, Stop: 9674, Start Num: 51

Candidate Starts for Buggy_14:

(Start: 51 @7887 has 557 MA's), (102, 7995), (111, 8016), (128, 8082), (129, 8088), (136, 8124), (146, 8148), (161, 8211), (206, 8406), (207, 8409), (233, 8517), (Start: 245 @8607 has 1 MA's), (250, 8631), (267, 8706), (278, 8748), (286, 8763), (350, 9063), (405, 9249), (411, 9276), (416, 9297), (445, 9393), (517, 9630), (535, 9660),

Gene: Bumblebee11_11 Start: 6893, Stop: 8590, Start Num: 51

Candidate Starts for Bumblebee11_11:

(Start: 51 @6893 has 557 MA's), (Start: 65 @6917 has 1 MA's), (165, 7163), (185, 7268), (206, 7346), (207, 7349), (215, 7388), (233, 7457), (236, 7481), (Start: 245 @7547 has 1 MA's), (265, 7637), (306, 7802), (313, 7847), (324, 7889), (329, 7922), (354, 7988), (374, 8060), (375, 8063), (381, 8087), (402, 8153), (411, 8192), (416, 8213), (445, 8309), (516, 8543), (517, 8546), (535, 8576), (537, 8579),

Gene: Burger_10 Start: 6884, Stop: 8581, Start Num: 51

Candidate Starts for Burger_10:

(Start: 51 @6884 has 557 MA's), (Start: 65 @6908 has 1 MA's), (Start: 117 @7031 has 2 MA's), (157, 7121), (165, 7154), (184, 7253), (206, 7337), (207, 7340), (215, 7379), (233, 7448), (236, 7472), (Start: 245 @7538 has 1 MA's), (265, 7628), (306, 7793), (324, 7880), (329, 7913), (354, 7979), (374, 8051), (375, 8054), (381, 8078), (399, 8129), (402, 8144), (411, 8183), (416, 8204), (445, 8300), (517, 8537), (535, 8567), (537, 8570),

Gene: Burnsey_4 Start: 1113, Stop: 2792, Start Num: 87

Candidate Starts for Burnsey_4:

(Start: 87 @1113 has 64 MA's), (Start: 110 @1164 has 1 MA's), (116, 1185), (Start: 117 @1188 has 2 MA's), (140, 1230), (161, 1311), (174, 1377), (175, 1386), (192, 1458), (196, 1473), (204, 1509), (207, 1518), (217, 1569), (238, 1668), (247, 1722), (257, 1758), (289, 1902), (299, 1938), (308, 1977), (312, 2010), (324, 2058), (329, 2091), (333, 2115), (350, 2148), (367, 2181), (374, 2238), (376, 2247), (401, 2331), (407, 2358), (425, 2418), (452, 2514), (481, 2586), (485, 2598), (512, 2718), (535, 2778), (537, 2781),

Gene: Burton_12 Start: 7124, Stop: 8812, Start Num: 54

Candidate Starts for Burton_12:

(Start: 54 @7124 has 35 MA's), (139, 7295), (Start: 143 @7304 has 2 MA's), (165, 7388), (167, 7415), (170, 7424), (207, 7574), (213, 7607), (233, 7682), (Start: 245 @7772 has 1 MA's), (250, 7796), (258, 7823), (267, 7871), (306, 8027), (316, 8087), (382, 8312), (385, 8321), (389, 8333), (402, 8375), (407, 8396), (414, 8423), (445, 8531), (480, 8621), (503, 8726),

Gene: Button_5 Start: 1178, Stop: 2878, Start Num: 85

Candidate Starts for Button_5:

(Start: 85 @1178 has 9 MA's), (Start: 110 @1232 has 1 MA's), (116, 1253), (125, 1280), (156, 1355), (161, 1391), (176, 1469), (196, 1553), (198, 1568), (207, 1598), (217, 1649), (238, 1748), (257, 1838), (276, 1928), (289, 1982), (308, 2057), (329, 2171), (333, 2195), (367, 2261), (374, 2318), (375, 2321), (376, 2327), (378, 2333), (397, 2399), (402, 2417), (425, 2498), (426, 2504), (433, 2537), (452, 2594), (472, 2642), (505, 2771), (506, 2774), (535, 2864), (537, 2867),

Gene: Buttons_12 Start: 7194, Stop: 8882, Start Num: 51

Candidate Starts for Buttons_12:

(Start: 51 @7194 has 557 MA's), (Start: 143 @7374 has 2 MA's), (165, 7458), (170, 7494), (175, 7521), (207, 7644), (213, 7677), (233, 7752), (Start: 245 @7842 has 1 MA's), (250, 7866), (258, 7893), (267, 7941), (306, 8097), (316, 8157), (382, 8382), (385, 8391), (389, 8403), (402, 8445), (407, 8466), (414, 8493), (445, 8601), (480, 8691), (503, 8796),

Gene: Buttrmlkdreams_4 Start: 1111, Stop: 2790, Start Num: 87

Candidate Starts for Buttrmlkdreams_4:

(Start: 87 @1111 has 64 MA's), (Start: 110 @1162 has 1 MA's), (116, 1183), (138, 1222), (161, 1309), (Start: 169 @1354 has 2 MA's), (174, 1375), (175, 1384), (192, 1456), (204, 1507), (207, 1516), (217, 1567), (238, 1666), (240, 1687), (247, 1720), (257, 1756), (289, 1900), (299, 1936), (308, 1975), (312, 2008), (324, 2056), (333, 2113), (350, 2146), (367, 2179), (376, 2245), (378, 2251), (397, 2317), (401, 2329), (425, 2416), (452, 2512), (472, 2560), (494, 2635), (512, 2716), (535, 2776), (537, 2779),

Gene: BuzzBuzz_12 Start: 7041, Stop: 8741, Start Num: 52

Candidate Starts for BuzzBuzz_12:

(Start: 52 @7041 has 102 MA's), (71, 7089), (139, 7224), (184, 7416), (207, 7503), (Start: 245 @7701 has 1 MA's), (265, 7791), (284, 7854), (316, 8016), (375, 8214), (381, 8238), (382, 8241), (402, 8304), (407, 8325), (416, 8364), (445, 8460), (461, 8514), (480, 8550), (517, 8697), (535, 8727), (537, 8730),

Gene: Bxb1_10 Start: 7031, Stop: 8719, Start Num: 51

Candidate Starts for Bxb1_10:

(Start: 51 @7031 has 557 MA's), (165, 7295), (166, 7319), (207, 7481), (213, 7514), (233, 7589), (Start: 245 @7679 has 1 MA's), (250, 7703), (289, 7871), (315, 7991), (316, 7994), (375, 8192), (382, 8219), (404, 8291), (407, 8303), (412, 8324), (428, 8381), (445, 8438), (480, 8528), (481, 8531), (506, 8642), (507, 8645), (517, 8675), (535, 8705), (537, 8708),

Gene: Bxz2_13 Start: 7051, Stop: 8751, Start Num: 52

Candidate Starts for Bxz2_13:

(Start: 52 @7051 has 102 MA's), (71, 7099), (139, 7234), (184, 7426), (207, 7513), (Start: 245 @7711 has 1 MA's), (265, 7801), (284, 7864), (316, 8026), (375, 8224), (381, 8248), (382, 8251), (402, 8314), (407, 8335), (416, 8374), (445, 8470), (461, 8524), (480, 8560), (517, 8707), (535, 8737), (537, 8740),

Gene: C3_10 Start: 7374, Stop: 9164, Start Num: 51

Candidate Starts for C3_10:

(26, 7296), (38, 7347), (Start: 51 @7374 has 557 MA's), (102, 7482), (111, 7503), (128, 7569), (136, 7611), (146, 7635), (175, 7773), (206, 7893), (207, 7896), (233, 8007), (Start: 245 @8097 has 1 MA's), (250, 8121), (265, 8187), (275, 8223), (284, 8250), (286, 8253), (350, 8553), (375, 8640), (384, 8673), (405, 8739), (411, 8766), (416, 8787), (439, 8871), (445, 8883), (481, 8976), (486, 8991), (517, 9120), (533, 9147), (535, 9150),

Gene: CRB1_12 Start: 7407, Stop: 9194, Start Num: 51

Candidate Starts for CRB1_12:

(Start: 51 @7407 has 557 MA's), (102, 7515), (111, 7536), (132, 7626), (136, 7644), (161, 7731), (171, 7785), (194, 7875), (206, 7926), (207, 7929), (233, 8037), (Start: 245 @8127 has 1 MA's), (250, 8151), (278, 8268), (286, 8283), (350, 8583), (405, 8769), (411, 8796), (416, 8817), (445, 8913), (517, 9150), (535, 9180),

Gene: CactusRose_10 Start: 6744, Stop: 8432, Start Num: 51

Candidate Starts for CactusRose_10:

(Start: 51 @6744 has 557 MA's), (Start: 143 @6924 has 2 MA's), (165, 7008), (170, 7044), (175, 7071), (207, 7194), (233, 7302), (Start: 245 @7392 has 1 MA's), (250, 7416), (267, 7491), (287, 7560),

(306, 7647), (316, 7707), (382, 7932), (385, 7941), (389, 7953), (402, 7995), (407, 8016), (414, 8043), (445, 8151), (480, 8241), (503, 8346),

Gene: Caelakin_11 Start: 6884, Stop: 8581, Start Num: 51

Candidate Starts for Caelakin_11:

(Start: 51 @6884 has 557 MA's), (Start: 65 @6908 has 1 MA's), (Start: 117 @7031 has 2 MA's), (157, 7121), (165, 7154), (184, 7253), (206, 7337), (207, 7340), (215, 7379), (233, 7448), (236, 7472), (Start: 245 @7538 has 1 MA's), (265, 7628), (306, 7793), (324, 7880), (329, 7913), (354, 7979), (374, 8051), (375, 8054), (381, 8078), (399, 8129), (402, 8144), (411, 8183), (416, 8204), (445, 8300), (517, 8537), (535, 8567), (537, 8570),

Gene: Caelum_7 Start: 2093, Stop: 3742, Start Num: 39

Candidate Starts for Caelum_7:

(Start: 39 @2093 has 86 MA's), (89, 2180), (96, 2192), (152, 2318), (165, 2366), (Start: 169 @2399 has 2 MA's), (171, 2408), (192, 2492), (194, 2498), (196, 2507), (201, 2534), (208, 2555), (224, 2615), (231, 2642), (240, 2714), (Start: 245 @2738 has 1 MA's), (268, 2837), (276, 2873), (286, 2891), (318, 3011), (319, 3014), (327, 3050), (330, 3068), (380, 3221), (384, 3233), (399, 3284), (405, 3311), (433, 3419), (445, 3458), (452, 3479), (458, 3503), (505, 3656), (506, 3659), (539, 3737),

Gene: Caliburn_6 Start: 2382, Stop: 4028, Start Num: 39

Candidate Starts for Caliburn_6:

(Start: 39 @2382 has 86 MA's), (Start: 49 @2400 has 10 MA's), (152, 2604), (Start: 169 @2685 has 2 MA's), (201, 2820), (208, 2841), (231, 2928), (240, 3000), (Start: 245 @3024 has 1 MA's), (268, 3123), (286, 3177), (313, 3276), (327, 3336), (378, 3498), (380, 3507), (405, 3597), (411, 3624), (432, 3702), (433, 3705), (445, 3744), (452, 3765), (454, 3771), (458, 3789), (492, 3885), (506, 3945),

Gene: Camperdownii_10 Start: 6501, Stop: 8198, Start Num: 51

Candidate Starts for Camperdownii_10:

(Start: 51 @6501 has 557 MA's), (Start: 65 @6525 has 1 MA's), (Start: 117 @6648 has 2 MA's), (157, 6738), (165, 6771), (184, 6870), (206, 6954), (207, 6957), (215, 6996), (233, 7065), (236, 7089), (Start: 245 @7155 has 1 MA's), (265, 7245), (306, 7410), (324, 7497), (329, 7530), (354, 7596), (374, 7668), (375, 7671), (381, 7695), (399, 7746), (402, 7761), (416, 7821), (445, 7917), (467, 7986), (516, 8151), (517, 8154), (535, 8184), (537, 8187),

Gene: Candra_15 Start: 7566, Stop: 9320, Start Num: 51

Candidate Starts for Candra_15:

(Start: 51 @7566 has 557 MA's), (136, 7797), (152, 7848), (161, 7884), (175, 7959), (207, 8082), (215, 8121), (233, 8190), (236, 8214), (237, 8217), (Start: 245 @8280 has 1 MA's), (250, 8304), (274, 8403), (275, 8406), (284, 8433), (286, 8436), (354, 8721), (378, 8808), (381, 8820), (402, 8883), (411, 8922), (416, 8943), (439, 9027), (445, 9039), (517, 9276), (533, 9303), (535, 9306),

Gene: Caprice_32 Start: 10508, Stop: 12250, Start Num: 87

Candidate Starts for Caprice_32:

(Start: 87 @10508 has 64 MA's), (139, 10625), (152, 10670), (160, 10736), (162, 10751), (166, 10784), (167, 10787), (171, 10802), (176, 10826), (177, 10829), (184, 10859), (190, 10880), (192, 10898), (195, 10907), (202, 10943), (207, 10958), (217, 11003), (231, 11045), (235, 11084), (238, 11096), (240, 11117), (251, 11168), (258, 11189), (312, 11411), (333, 11516), (334, 11525), (356, 11558), (367, 11579), (368, 11582), (371, 11609), (375, 11639), (378, 11651), (382, 11666), (385, 11675), (387, 11681), (397, 11723), (400, 11732), (403, 11747), (407, 11762), (425, 11822), (431, 11861), (441, 11894), (452, 11924), (453, 11927), (471, 12011), (485, 12065), (488, 12080), (495, 12107), (506, 12161), (533, 12233), (535, 12236),

Gene: Caraxes_11 Start: 6158, Stop: 7942, Start Num: 51

Candidate Starts for Caraxes_11:

(Start: 51 @6158 has 557 MA's), (136, 6389), (161, 6476), (196, 6629), (206, 6671), (207, 6674), (233, 6785), (236, 6809), (237, 6812), (Start: 245 @6875 has 1 MA's), (250, 6899), (286, 7031), (384, 7451), (411, 7544), (416, 7565), (439, 7649), (445, 7661), (486, 7769), (517, 7898), (533, 7925), (535, 7928),

Gene: Cardigan_30 Start: 10698, Stop: 12416, Start Num: 84

Candidate Starts for Cardigan_30:

(Start: 84 @10698 has 21 MA's), (100, 10734), (142, 10830), (180, 11043), (184, 11070), (187, 11082), (195, 11106), (222, 11220), (260, 11415), (270, 11463), (292, 11565), (314, 11625), (319, 11640), (400, 11964), (405, 11985), (411, 12012), (431, 12087), (445, 12129), (505, 12330), (515, 12363),

Gene: Carlyle_13 Start: 7592, Stop: 9280, Start Num: 51

Candidate Starts for Carlyle_13:

(Start: 51 @7592 has 557 MA's), (165, 7856), (166, 7880), (207, 8042), (213, 8075), (233, 8150), (Start: 245 @8240 has 1 MA's), (250, 8264), (258, 8291), (267, 8339), (306, 8495), (316, 8555), (382, 8780), (385, 8789), (389, 8801), (402, 8843), (407, 8864), (414, 8891), (445, 8999), (480, 9089), (503, 9194),

Gene: Caron_2 Start: 631, Stop: 2349, Start Num: 54

Candidate Starts for Caron_2:

(Start: 54 @631 has 35 MA's), (140, 781), (189, 1003), (201, 1054), (207, 1072), (238, 1222), (347, 1678), (365, 1717), (399, 1852), (445, 2023), (449, 2038), (476, 2125), (492, 2203), (508, 2275),

Gene: Cashline_2 Start: 485, Stop: 2284, Start Num: 52

Candidate Starts for Cashline_2:

(Start: 52 @485 has 102 MA's), (159, 782), (161, 797), (178, 881), (185, 911), (189, 923), (192, 932), (200, 971), (207, 992), (230, 1076), (239, 1148), (247, 1184), (255, 1220), (275, 1310), (279, 1331), (288, 1376), (289, 1382), (298, 1415), (357, 1589), (368, 1616), (382, 1685), (384, 1691), (402, 1757), (405, 1769), (411, 1796), (433, 1907), (439, 1943), (445, 1955), (461, 2006), (469, 2030), (484, 2093), (492, 2135), (505, 2192), (508, 2207), (514, 2222), (516, 2225), (535, 2270), (537, 2273),

Gene: Cassia_2 Start: 547, Stop: 2244, Start Num: 55

Candidate Starts for Cassia_2:

(Start: 55 @547 has 34 MA's), (Start: 110 @634 has 1 MA's), (193, 919), (207, 976), (215, 1018), (238, 1114), (247, 1168), (274, 1288), (293, 1378), (311, 1417), (349, 1576), (375, 1663), (405, 1774), (425, 1843), (445, 1918), (449, 1933), (485, 2059), (502, 2143), (508, 2167),

Gene: Catalina_13 Start: 8125, Stop: 9897, Start Num: 60

Candidate Starts for Catalina_13:

(Start: 51 @8110 has 557 MA's), (Start: 60 @8125 has 10 MA's), (Start: 63 @8131 has 4 MA's), (114, 8242), (136, 8341), (175, 8503), (194, 8575), (207, 8629), (215, 8668), (233, 8740), (Start: 245 @8830 has 1 MA's), (250, 8854), (278, 8971), (286, 8986), (307, 9094), (323, 9169), (329, 9205), (343, 9265), (378, 9385), (384, 9406), (399, 9445), (411, 9499), (412, 9502), (416, 9520), (431, 9574), (439, 9604), (445, 9616), (480, 9706), (486, 9724), (517, 9853), (533, 9880), (535, 9883),

Gene: Caviar_12 Start: 7044, Stop: 8741, Start Num: 51

Candidate Starts for Caviar_12:

(Start: 51 @7044 has 557 MA's), (Start: 65 @7068 has 1 MA's), (165, 7314), (203, 7488), (207, 7500), (215, 7539), (220, 7551), (233, 7608), (236, 7632), (Start: 245 @7698 has 1 MA's), (247, 7707), (265, 7788), (274, 7821), (306, 7953), (308, 7965), (318, 8019), (324, 8040), (329, 8073), (348, 8127), (375, 8214), (381, 8238), (382, 8241), (384, 8247), (387, 8256), (402, 8304), (411, 8343), (412, 8346), (416, 8364), (445, 8460), (461, 8514), (507, 8667), (517, 8697), (535, 8727), (537, 8730),

Gene: Celery_8 Start: 2487, Stop: 4133, Start Num: 39

Candidate Starts for Celery_8:

(Start: 36 @2478 has 1 MA's), (Start: 39 @2487 has 86 MA's), (Start: 41 @2490 has 2 MA's), (Start: 49 @2505 has 10 MA's), (152, 2709), (Start: 169 @2790 has 2 MA's), (192, 2883), (196, 2898), (201, 2925), (204, 2934), (208, 2946), (231, 3033), (Start: 245 @3129 has 1 MA's), (268, 3228), (313, 3381), (318, 3402), (327, 3441), (375, 3591), (376, 3597), (380, 3612), (399, 3675), (411, 3729), (412, 3732), (445, 3849), (454, 3876), (458, 3894), (476, 3936), (506, 4050),

Gene: Celeste_6 Start: 2378, Stop: 4024, Start Num: 39

Candidate Starts for Celeste_6:

(Start: 39 @2378 has 86 MA's), (Start: 49 @2396 has 10 MA's), (152, 2600), (161, 2636), (201, 2816), (208, 2837), (219, 2882), (231, 2924), (240, 2996), (Start: 245 @3020 has 1 MA's), (268, 3119), (271, 3134), (278, 3158), (281, 3164), (327, 3332), (375, 3482), (380, 3503), (384, 3515), (405, 3593), (433, 3701), (445, 3740), (452, 3761), (454, 3767), (458, 3785), (506, 3941),

Gene: Celia_6 Start: 2655, Stop: 4316, Start Num: 39

Candidate Starts for Celia_6:

(Start: 39 @2655 has 86 MA's), (135, 2838), (148, 2874), (185, 3045), (201, 3108), (215, 3165), (231, 3216), (240, 3288), (Start: 245 @3312 has 1 MA's), (254, 3345), (261, 3381), (268, 3411), (274, 3432), (296, 3525), (313, 3564), (319, 3588), (327, 3624), (338, 3684), (375, 3774), (380, 3795), (387, 3816), (412, 3915), (445, 4032), (458, 4077),

Gene: Cen1621_2 Start: 604, Stop: 2328, Start Num: 54

Candidate Starts for Cen1621_2:

(Start: 54 @604 has 35 MA's), (161, 841), (181, 943), (185, 964), (189, 976), (201, 1027), (207, 1045), (238, 1195), (375, 1744), (399, 1828), (402, 1843), (411, 1882), (433, 1963), (445, 1999), (449, 2014), (467, 2068), (492, 2179), (506, 2239), (508, 2251),

Gene: Centaur_14 Start: 7923, Stop: 9710, Start Num: 51

Candidate Starts for Centaur_14:

(10, 7737), (25, 7839), (Start: 51 @7923 has 557 MA's), (102, 8031), (111, 8052), (136, 8160), (194, 8391), (206, 8442), (207, 8445), (233, 8553), (Start: 245 @8643 has 1 MA's), (250, 8667), (286, 8799), (375, 9186), (411, 9312), (416, 9333), (439, 9417), (445, 9429), (517, 9666), (533, 9693), (535, 9696), (537, 9699), (538, 9702),

Gene: CentreCat_11 Start: 6885, Stop: 8582, Start Num: 51

Candidate Starts for CentreCat_11:

(Start: 51 @6885 has 557 MA's), (Start: 65 @6909 has 1 MA's), (Start: 117 @7032 has 2 MA's), (157, 7122), (165, 7155), (184, 7254), (206, 7338), (207, 7341), (215, 7380), (233, 7449), (236, 7473), (Start: 245 @7539 has 1 MA's), (265, 7629), (306, 7794), (324, 7881), (329, 7914), (354, 7980), (374, 8052), (375, 8055), (381, 8079), (399, 8130), (402, 8145), (411, 8184), (416, 8205), (445, 8301), (517, 8538), (535, 8568), (537, 8571),

Gene: Cerulean_11 Start: 6862, Stop: 8559, Start Num: 51

Candidate Starts for Cerulean_11:

(Start: 51 @6862 has 557 MA's), (Start: 65 @6886 has 1 MA's), (Start: 117 @7009 has 2 MA's), (157, 7099), (165, 7132), (206, 7315), (207, 7318), (215, 7357), (233, 7426), (236, 7450), (Start: 245 @7516 has 1 MA's), (265, 7606), (306, 7771), (324, 7858), (329, 7891), (354, 7957), (374, 8029), (375, 8032), (381, 8056), (399, 8107), (402, 8122), (411, 8161), (416, 8182), (445, 8278), (517, 8515), (535, 8545), (537, 8548),

Gene: Chadwick_10 Start: 5983, Stop: 7734, Start Num: 31

Candidate Starts for Chadwick_10:

(Start: 28 @5956 has 19 MA's), (Start: 31 @5983 has 29 MA's), (Start: 53 @6043 has 36 MA's), (58, 6052), (Start: 72 @6091 has 1 MA's), (114, 6172), (161, 6304), (175, 6379), (176, 6382), (221, 6556), (Start: 245 @6688 has 1 MA's), (256, 6733), (271, 6811), (274, 6817), (310, 6982), (318, 7015), (324, 7036), (375, 7210), (381, 7234), (411, 7336), (416, 7357), (431, 7411), (439, 7441), (445, 7453), (461, 7507), (516, 7687), (517, 7690), (537, 7723), (539, 7729),

Gene: ChampagnePapi_11 Start: 6861, Stop: 8558, Start Num: 51

Candidate Starts for ChampagnePapi_11:

(Start: 51 @6861 has 557 MA's), (Start: 65 @6885 has 1 MA's), (Start: 117 @7008 has 2 MA's), (157, 7098), (165, 7131), (206, 7314), (207, 7317), (215, 7356), (233, 7425), (236, 7449), (Start: 245 @7515 has 1 MA's), (265, 7605), (306, 7770), (324, 7857), (329, 7890), (354, 7956), (374, 8028), (375, 8031), (381, 8055), (399, 8106), (402, 8121), (411, 8160), (416, 8181), (445, 8277), (517, 8514), (535, 8544), (537, 8547),

Gene: Chanagan_10 Start: 6588, Stop: 8276, Start Num: 51

Candidate Starts for Chanagan_10:

(Start: 51 @6588 has 557 MA's), (Start: 143 @6768 has 2 MA's), (165, 6852), (170, 6888), (175, 6915), (207, 7038), (213, 7071), (233, 7146), (Start: 245 @7236 has 1 MA's), (250, 7260), (258, 7287), (267, 7335), (287, 7404), (302, 7479), (306, 7491), (316, 7551), (382, 7776), (385, 7785), (389, 7797), (402, 7839), (407, 7860), (414, 7887), (445, 7995), (480, 8085), (503, 8190),

Gene: Changeling_15 Start: 9284, Stop: 11071, Start Num: 51

Candidate Starts for Changeling_15:

(12, 9110), (25, 9200), (Start: 51 @9284 has 557 MA's), (102, 9392), (111, 9413), (136, 9521), (146, 9545), (152, 9572), (161, 9608), (206, 9803), (207, 9806), (215, 9845), (233, 9914), (Start: 245 @10004 has 1 MA's), (250, 10028), (286, 10160), (375, 10547), (405, 10646), (411, 10673), (416, 10694), (439, 10778), (445, 10790), (517, 11027), (533, 11054), (535, 11057), (537, 11060), (538, 11063),

Gene: Chaph_11 Start: 6893, Stop: 8590, Start Num: 51

Candidate Starts for Chaph_11:

(Start: 51 @6893 has 557 MA's), (Start: 65 @6917 has 1 MA's), (Start: 117 @7040 has 2 MA's), (157, 7130), (165, 7163), (184, 7262), (206, 7346), (207, 7349), (215, 7388), (233, 7457), (236, 7481), (Start: 245 @7547 has 1 MA's), (265, 7637), (306, 7802), (324, 7889), (329, 7922), (354, 7988), (374, 8060), (375, 8063), (381, 8087), (399, 8138), (402, 8153), (411, 8192), (416, 8213), (445, 8309), (517, 8546), (535, 8576), (537, 8579),

Gene: Chargerpower_12 Start: 6588, Stop: 8372, Start Num: 51

Candidate Starts for Chargerpower_12:

(Start: 51 @6588 has 557 MA's), (105, 6696), (114, 6720), (127, 6774), (130, 6786), (131, 6795), (136, 6819), (170, 6954), (194, 7050), (206, 7101), (207, 7104), (233, 7215), (236, 7239), (Start: 245 @7305 has 1 MA's), (250, 7329), (265, 7395), (274, 7428), (278, 7446), (286, 7461), (307, 7569), (329, 7680), (399, 7920), (402, 7935), (405, 7947), (411, 7974), (445, 8091), (517, 8328), (533, 8355), (535, 8358),

Gene: Charm_12 Start: 6308, Stop: 8080, Start Num: 60

Candidate Starts for Charm_12:

(Start: 51 @6296 has 557 MA's), (Start: 60 @6308 has 10 MA's), (114, 6425), (136, 6524), (173, 6674), (175, 6686), (194, 6758), (207, 6812), (215, 6851), (233, 6923), (242, 6995), (Start: 245 @7013 has 1 MA's), (250, 7037), (278, 7154), (286, 7169), (307, 7277), (323, 7352), (343, 7448), (384, 7589), (399, 7628), (411, 7682), (412, 7685), (416, 7703), (431, 7757), (439, 7787), (445, 7799), (480, 7889), (486, 7907), (517, 8036), (533, 8063), (535, 8066),

Gene: Chartreuse_15 Start: 7480, Stop: 9234, Start Num: 51

Candidate Starts for Chartreuse_15:

(Start: 51 @7480 has 557 MA's), (136, 7711), (152, 7762), (161, 7798), (175, 7873), (207, 7996), (215, 8035), (233, 8104), (236, 8128), (237, 8131), (Start: 245 @8194 has 1 MA's), (250, 8218), (274, 8317), (275, 8320), (284, 8347), (286, 8350), (354, 8635), (378, 8722), (381, 8734), (402, 8797), (411, 8836), (416, 8857), (439, 8941), (445, 8953), (517, 9190), (533, 9217), (535, 9220),

Gene: Che12_13 Start: 6255, Stop: 8039, Start Num: 51

Candidate Starts for Che12_13:

(Start: 51 @6255 has 557 MA's), (136, 6486), (161, 6573), (196, 6726), (206, 6768), (207, 6771), (233, 6882), (236, 6906), (237, 6909), (Start: 245 @6972 has 1 MA's), (250, 6996), (411, 7641), (416, 7662), (439, 7746), (445, 7758), (486, 7866), (517, 7995), (533, 8022), (535, 8025),

Gene: CherryonLim_5 Start: 1648, Stop: 3324, Start Num: 87

Candidate Starts for CherryonLim_5:

(Start: 87 @1648 has 64 MA's), (Start: 110 @1699 has 1 MA's), (116, 1720), (140, 1765), (161, 1843), (174, 1909), (189, 1972), (196, 2005), (204, 2041), (207, 2050), (208, 2053), (213, 2086), (217, 2101), (222, 2119), (238, 2200), (240, 2221), (248, 2257), (252, 2278), (261, 2314), (276, 2380), (289, 2434), (328, 2614), (333, 2647), (367, 2713), (368, 2716), (376, 2779), (378, 2785), (425, 2950), (431, 2983), (454, 3052), (485, 3130), (486, 3133), (505, 3223), (507, 3229), (512, 3250), (535, 3310), (537, 3313),

Gene: ChipMunk_14 Start: 7824, Stop: 9611, Start Num: 51

Candidate Starts for ChipMunk_14:

(Start: 51 @7824 has 557 MA's), (102, 7932), (111, 7953), (136, 8061), (161, 8148), (194, 8292), (206, 8343), (207, 8346), (233, 8454), (Start: 245 @8544 has 1 MA's), (250, 8568), (278, 8685), (286, 8700), (350, 9000), (405, 9186), (411, 9213), (416, 9234), (445, 9330), (517, 9567), (535, 9597),

Gene: Chucky_6 Start: 2377, Stop: 4023, Start Num: 39

Candidate Starts for Chucky_6:

(Start: 39 @2377 has 86 MA's), (Start: 49 @2395 has 10 MA's), (Start: 117 @2527 has 2 MA's), (152, 2599), (161, 2635), (201, 2815), (208, 2836), (219, 2881), (231, 2923), (240, 2995), (Start: 245 @3019 has 1 MA's), (268, 3118), (271, 3133), (278, 3157), (281, 3163), (327, 3331), (375, 3481), (380, 3502), (399, 3565), (405, 3592), (433, 3700), (445, 3739), (452, 3760), (454, 3766), (458, 3784), (492, 3880), (506, 3940), (539, 4018),

Gene: Chupacabra_11 Start: 6706, Stop: 8379, Start Num: 51

Candidate Starts for Chupacabra_11:

(Start: 51 @6706 has 557 MA's), (Start: 117 @6835 has 2 MA's), (148, 6901), (165, 6967), (172, 7012), (184, 7066), (196, 7108), (207, 7153), (215, 7192), (231, 7240), (233, 7261), (236, 7285), (Start: 245 @7336 has 1 MA's), (274, 7459), (278, 7477), (289, 7528), (309, 7606), (320, 7666), (329, 7711), (354, 7777), (374, 7849), (375, 7852), (381, 7876), (402, 7942), (411, 7981), (412, 7984), (416, 8002), (445, 8098), (467, 8167), (517, 8335), (535, 8365), (537, 8368),

Gene: Ciao_11 Start: 6974, Stop: 8662, Start Num: 51

Candidate Starts for Ciao_11:

(Start: 51 @6974 has 557 MA's), (Start: 143 @7154 has 2 MA's), (165, 7238), (170, 7274), (175, 7301), (199, 7397), (207, 7424), (213, 7457), (233, 7532), (Start: 245 @7622 has 1 MA's), (250, 7646), (267, 7721), (287, 7790), (306, 7877), (316, 7937), (385, 8171), (389, 8183), (402, 8225), (407, 8246), (414, 8273), (445, 8381), (480, 8471), (503, 8576),

Gene: Cici_11 Start: 6881, Stop: 8578, Start Num: 51

Candidate Starts for Cici_11:

(Start: 51 @6881 has 557 MA's), (Start: 65 @6905 has 1 MA's), (165, 7151), (185, 7256), (206, 7334), (207, 7337), (215, 7376), (233, 7445), (236, 7469), (Start: 245 @7535 has 1 MA's), (265, 7625), (306, 7790), (313, 7835), (324, 7877), (329, 7910), (354, 7976), (374, 8048), (375, 8051), (381, 8075), (402, 8141), (411, 8180), (416, 8201), (445, 8297), (516, 8531), (517, 8534), (535, 8564), (537, 8567),

Gene: Cindaradix_10 Start: 6590, Stop: 8287, Start Num: 51

Candidate Starts for Cindaradix_10:

(Start: 51 @6590 has 557 MA's), (Start: 65 @6614 has 1 MA's), (165, 6860), (206, 7043), (207, 7046), (215, 7085), (233, 7154), (236, 7178), (Start: 245 @7244 has 1 MA's), (247, 7253), (265, 7334), (274, 7367), (305, 7496), (306, 7499), (313, 7544), (324, 7586), (329, 7619), (375, 7760), (381, 7784), (382, 7787), (402, 7850), (411, 7889), (416, 7910), (445, 8006), (467, 8075), (486, 8114), (516, 8240), (517, 8243), (535, 8273), (537, 8276),

Gene: Cintron_11 Start: 6929, Stop: 8626, Start Num: 51

Candidate Starts for Cintron_11:

(Start: 51 @6929 has 557 MA's), (Start: 65 @6953 has 1 MA's), (Start: 117 @7076 has 2 MA's), (157, 7166), (165, 7199), (184, 7298), (206, 7382), (207, 7385), (215, 7424), (233, 7493), (236, 7517), (Start: 245 @7583 has 1 MA's), (265, 7673), (306, 7838), (324, 7925), (329, 7958), (374, 8096), (375, 8099), (381, 8123), (402, 8189), (411, 8228), (416, 8249), (445, 8345), (516, 8579), (517, 8582), (535, 8612), (537, 8615),

Gene: Citius_11 Start: 6884, Stop: 8581, Start Num: 51

Candidate Starts for Citius_11:

(Start: 51 @6884 has 557 MA's), (Start: 65 @6908 has 1 MA's), (Start: 117 @7031 has 2 MA's), (157, 7121), (165, 7154), (184, 7253), (206, 7337), (207, 7340), (215, 7379), (233, 7448), (236, 7472), (Start: 245 @7538 has 1 MA's), (265, 7628), (306, 7793), (324, 7880), (329, 7913), (354, 7979), (374, 8051), (375, 8054), (381, 8078), (399, 8129), (402, 8144), (411, 8183), (416, 8204), (445, 8300), (517, 8537), (535, 8567), (537, 8570),

Gene: Clarenza_11 Start: 6884, Stop: 8581, Start Num: 51

Candidate Starts for Clarenza_11:

(Start: 51 @6884 has 557 MA's), (Start: 65 @6908 has 1 MA's), (Start: 117 @7031 has 2 MA's), (157, 7121), (165, 7154), (184, 7253), (206, 7337), (207, 7340), (215, 7379), (233, 7448), (236, 7472), (Start: 245 @7538 has 1 MA's), (265, 7628), (306, 7793), (324, 7880), (329, 7913), (354, 7979), (374, 8051), (375, 8054), (381, 8078), (399, 8129), (402, 8144), (411, 8183), (416, 8204), (445, 8300), (517, 8537), (535, 8567), (537, 8570),

Gene: Clarkson_36 Start: 11120, Stop: 12862, Start Num: 87

Candidate Starts for Clarkson_36:

(Start: 87 @11120 has 64 MA's), (139, 11237), (152, 11282), (160, 11348), (162, 11363), (166, 11396), (167, 11399), (171, 11414), (176, 11438), (177, 11441), (184, 11471), (190, 11492), (192, 11510), (195, 11519), (202, 11555), (207, 11570), (217, 11615), (231, 11657), (235, 11696), (238, 11708), (240, 11729), (251, 11780), (258, 11801), (312, 12023), (333, 12128), (334, 12137), (356, 12170), (367, 12191), (368, 12194), (371, 12221), (375, 12251), (378, 12263), (382, 12278), (385, 12287), (387, 12293), (397, 12335), (400, 12344), (403, 12359), (407, 12374), (425, 12434), (431, 12473), (441, 12506), (452, 12536), (453, 12539), (471, 12623), (485, 12677), (488, 12692), (495, 12719), (506, 12773), (533, 12845), (535, 12848),

Gene: Cleo_4 Start: 1285, Stop: 2979, Start Num: 87

Candidate Starts for Cleo_4:

(Start: 87 @1285 has 64 MA's), (101, 1315), (114, 1348), (116, 1357), (161, 1495), (196, 1657), (198, 1672), (207, 1702), (210, 1723), (217, 1753), (233, 1822), (235, 1840), (238, 1852), (240, 1873), (257, 1942), (265, 1984), (308, 2161), (315, 2212), (329, 2275), (333, 2299), (350, 2332), (366, 2365), (376,

2434), (397, 2509), (400, 2518), (402, 2527), (405, 2539), (406, 2545), (411, 2566), (452, 2704), (494, 2827), (512, 2908), (535, 2965), (537, 2968),

Gene: CloudWang3_15 Start: 7511, Stop: 9265, Start Num: 51

Candidate Starts for CloudWang3_15:

(Start: 51 @7511 has 557 MA's), (136, 7742), (152, 7793), (161, 7829), (175, 7904), (207, 8027), (215, 8066), (233, 8135), (236, 8159), (237, 8162), (Start: 245 @8225 has 1 MA's), (250, 8249), (274, 8348), (275, 8351), (284, 8378), (286, 8381), (354, 8666), (378, 8753), (381, 8765), (402, 8828), (411, 8867), (416, 8888), (439, 8972), (445, 8984), (517, 9221), (533, 9248), (535, 9251),

Gene: ClubL_30 Start: 8614, Stop: 10362, Start Num: 84

Candidate Starts for ClubL_30:

(Start: 84 @8614 has 21 MA's), (99, 8644), (150, 8773), (180, 8959), (187, 8998), (195, 9022), (200, 9052), (206, 9070), (211, 9097), (218, 9127), (257, 9319), (260, 9337), (297, 9499), (314, 9547), (319, 9562), (365, 9745), (367, 9751), (381, 9835), (404, 9922), (412, 9955), (445, 10069), (456, 10105), (466, 10129), (470, 10144), (520, 10318), (526, 10324),

Gene: Cocoaberry_11 Start: 6888, Stop: 8585, Start Num: 51

Candidate Starts for Cocoaberry_11:

(Start: 51 @6888 has 557 MA's), (Start: 65 @6912 has 1 MA's), (Start: 117 @7035 has 2 MA's), (157, 7125), (165, 7158), (184, 7257), (206, 7341), (207, 7344), (215, 7383), (233, 7452), (236, 7476), (Start: 245 @7542 has 1 MA's), (265, 7632), (306, 7797), (324, 7884), (329, 7917), (354, 7983), (374, 8055), (375, 8058), (381, 8082), (399, 8133), (402, 8148), (411, 8187), (416, 8208), (445, 8304), (517, 8541), (535, 8571), (537, 8574),

Gene: Colbster_13 Start: 6957, Stop: 8657, Start Num: 52

Candidate Starts for Colbster_13:

(Start: 52 @6957 has 102 MA's), (71, 7005), (139, 7140), (184, 7332), (207, 7419), (Start: 245 @7617 has 1 MA's), (265, 7707), (284, 7770), (316, 7932), (375, 8130), (381, 8154), (382, 8157), (402, 8220), (407, 8241), (416, 8280), (445, 8376), (461, 8430), (480, 8466), (517, 8613), (535, 8643), (537, 8646),

Gene: Colin_16 Start: 9101, Stop: 10888, Start Num: 51

Candidate Starts for Colin_16:

(Start: 51 @9101 has 557 MA's), (102, 9209), (111, 9230), (136, 9338), (152, 9389), (161, 9425), (175, 9500), (206, 9620), (207, 9623), (233, 9731), (237, 9758), (Start: 245 @9821 has 1 MA's), (250, 9845), (286, 9977), (375, 10364), (405, 10463), (411, 10490), (412, 10493), (416, 10511), (445, 10607), (517, 10844), (533, 10871), (535, 10874), (537, 10877), (538, 10880),

Gene: Colleen_3 Start: 1236, Stop: 2873, Start Num: 76

Candidate Starts for Colleen_3:

(Start: 76 @1236 has 4 MA's), (88, 1260), (Start: 118 @1338 has 2 MA's), (149, 1404), (170, 1503), (174, 1521), (175, 1530), (177, 1536), (187, 1584), (189, 1590), (192, 1599), (201, 1641), (203, 1647), (204, 1650), (207, 1659), (225, 1737), (Start: 245 @1854 has 1 MA's), (248, 1866), (249, 1869), (250, 1878), (265, 1941), (286, 2013), (289, 2046), (315, 2124), (345, 2235), (368, 2280), (401, 2412), (402, 2418), (436, 2550), (445, 2589), (480, 2679), (487, 2706), (505, 2787), (508, 2802), (509, 2805), (511, 2814), (535, 2862),

Gene: Commander_11 Start: 6884, Stop: 8581, Start Num: 51

Candidate Starts for Commander_11:

(Start: 51 @6884 has 557 MA's), (Start: 65 @6908 has 1 MA's), (Start: 117 @7031 has 2 MA's), (157, 7121), (165, 7154), (184, 7253), (206, 7337), (207, 7340), (215, 7379), (233, 7448), (236, 7472), (Start: 245 @7538 has 1 MA's), (265, 7628), (306, 7793), (324, 7880), (329, 7913), (354, 7979), (374, 8051), (375, 8054), (381, 8078), (399, 8129), (402, 8144), (411, 8183), (416, 8204), (445, 8300), (517, 8537),

(535, 8567), (537, 8570),

Gene: Community_3 Start: 1606, Stop: 3312, Start Num: 55

Candidate Starts for Community_3:

(Start: 55 @1606 has 34 MA's), (207, 2035), (218, 2083), (238, 2173), (263, 2305), (274, 2347), (337, 2599), (375, 2722), (433, 2941), (445, 2977), (449, 2992), (485, 3127), (506, 3223), (508, 3235),

Gene: Conan_9 Start: 2225, Stop: 3871, Start Num: 39

Candidate Starts for Conan_9:

(Start: 36 @2216 has 1 MA's), (Start: 39 @2225 has 86 MA's), (Start: 41 @2228 has 2 MA's), (Start: 49 @2243 has 10 MA's), (152, 2447), (161, 2483), (Start: 169 @2528 has 2 MA's), (192, 2621), (196, 2636), (201, 2663), (204, 2672), (208, 2684), (231, 2771), (237, 2819), (Start: 245 @2867 has 1 MA's), (268, 2966), (278, 3005), (313, 3119), (318, 3140), (327, 3179), (345, 3260), (375, 3329), (376, 3335), (380, 3350), (399, 3413), (432, 3545), (445, 3587), (454, 3614), (458, 3632), (481, 3680), (506, 3788),

Gene: Conceptll_11 Start: 7225, Stop: 8913, Start Num: 51

Candidate Starts for Conceptll_11:

(Start: 51 @7225 has 557 MA's), (165, 7489), (166, 7513), (207, 7675), (213, 7708), (233, 7783), (Start: 245 @7873 has 1 MA's), (250, 7897), (258, 7924), (267, 7972), (306, 8128), (316, 8188), (382, 8413), (385, 8422), (389, 8434), (402, 8476), (407, 8497), (414, 8524), (445, 8632), (480, 8722), (503, 8827),

Gene: Confidence_2 Start: 485, Stop: 2284, Start Num: 52

Candidate Starts for Confidence_2:

(Start: 52 @485 has 102 MA's), (115, 623), (159, 782), (161, 797), (178, 881), (185, 911), (189, 923), (192, 932), (200, 971), (207, 992), (230, 1076), (239, 1148), (247, 1184), (255, 1220), (275, 1310), (279, 1331), (289, 1382), (298, 1415), (357, 1589), (368, 1616), (382, 1685), (384, 1691), (402, 1757), (405, 1769), (411, 1796), (433, 1907), (439, 1943), (445, 1955), (454, 1979), (461, 2006), (469, 2030), (484, 2093), (492, 2135), (505, 2192), (508, 2207), (514, 2222), (516, 2225), (535, 2270), (537, 2273),

Gene: Connomayer_11 Start: 6884, Stop: 8581, Start Num: 51

Candidate Starts for Connomayer_11:

(Start: 51 @6884 has 557 MA's), (Start: 65 @6908 has 1 MA's), (Start: 117 @7031 has 2 MA's), (157, 7121), (165, 7154), (184, 7253), (206, 7337), (207, 7340), (215, 7379), (233, 7448), (236, 7472), (Start: 245 @7538 has 1 MA's), (265, 7628), (306, 7793), (324, 7880), (329, 7913), (354, 7979), (374, 8051), (375, 8054), (381, 8078), (399, 8129), (402, 8144), (411, 8183), (416, 8204), (445, 8300), (517, 8537), (535, 8567), (537, 8570),

Gene: Conquerage_13 Start: 8154, Stop: 9926, Start Num: 60

Candidate Starts for Conquerage_13:

(Start: 51 @8139 has 557 MA's), (Start: 60 @8154 has 10 MA's), (Start: 63 @8160 has 4 MA's), (114, 8271), (136, 8370), (175, 8532), (194, 8604), (207, 8658), (215, 8697), (233, 8769), (Start: 245 @8859 has 1 MA's), (250, 8883), (278, 9000), (286, 9015), (307, 9123), (323, 9198), (329, 9234), (343, 9294), (378, 9414), (384, 9435), (399, 9474), (411, 9528), (412, 9531), (416, 9549), (431, 9603), (439, 9633), (445, 9645), (480, 9735), (486, 9753), (517, 9882), (533, 9909), (535, 9912),

Gene: Conspiracy_9 Start: 5979, Stop: 7757, Start Num: 28

Candidate Starts for Conspiracy_9:

(Start: 28 @5979 has 19 MA's), (Start: 31 @6006 has 29 MA's), (58, 6075), (Start: 72 @6114 has 1 MA's), (112, 6189), (114, 6195), (161, 6327), (175, 6402), (176, 6405), (209, 6540), (221, 6579), (227, 6603), (Start: 245 @6711 has 1 MA's), (256, 6756), (271, 6834), (274, 6840), (310, 7005), (318, 7038), (324, 7059), (375, 7233), (381, 7257), (382, 7260), (402, 7320), (405, 7332), (411, 7359), (416, 7380), (439, 7464), (445, 7476), (517, 7713), (537, 7746), (539, 7752),

Gene: Coog_9 Start: 6156, Stop: 7907, Start Num: 31

Candidate Starts for Coog_9:

(Start: 28 @6129 has 19 MA's), (Start: 31 @6156 has 29 MA's), (58, 6225), (112, 6339), (114, 6345), (161, 6477), (175, 6552), (176, 6555), (184, 6588), (194, 6621), (221, 6729), (227, 6753), (233, 6786), (Start: 245 @6861 has 1 MA's), (256, 6906), (271, 6984), (274, 6990), (310, 7155), (318, 7188), (324, 7209), (375, 7383), (381, 7407), (382, 7410), (402, 7470), (405, 7482), (411, 7509), (416, 7530), (439, 7614), (445, 7626), (517, 7863), (537, 7896), (539, 7902),

Gene: Cookiedough_15 Start: 7523, Stop: 9277, Start Num: 51

Candidate Starts for Cookiedough_15:

(Start: 51 @7523 has 557 MA's), (136, 7754), (152, 7805), (161, 7841), (175, 7916), (207, 8039), (215, 8078), (233, 8147), (236, 8171), (237, 8174), (Start: 245 @8237 has 1 MA's), (250, 8261), (284, 8390), (286, 8393), (308, 8504), (348, 8666), (375, 8753), (378, 8765), (381, 8777), (399, 8825), (402, 8840), (411, 8879), (416, 8900), (439, 8984), (445, 8996), (517, 9233), (533, 9260), (535, 9263),

Gene: Corazon_33 Start: 11073, Stop: 12815, Start Num: 87

Candidate Starts for Corazon_33:

(Start: 87 @11073 has 64 MA's), (139, 11190), (152, 11235), (160, 11301), (162, 11316), (166, 11349), (167, 11352), (171, 11367), (176, 11391), (177, 11394), (184, 11424), (190, 11445), (192, 11463), (195, 11472), (202, 11508), (207, 11523), (217, 11568), (231, 11610), (235, 11649), (238, 11661), (240, 11682), (251, 11733), (258, 11754), (312, 11976), (333, 12081), (334, 12090), (356, 12123), (367, 12144), (368, 12147), (371, 12174), (375, 12204), (378, 12216), (382, 12231), (385, 12240), (387, 12246), (397, 12288), (400, 12297), (403, 12312), (407, 12327), (425, 12387), (431, 12426), (441, 12459), (452, 12489), (453, 12492), (471, 12576), (485, 12630), (488, 12645), (495, 12672), (506, 12726), (533, 12798), (535, 12801),

Gene: Cornie_2 Start: 553, Stop: 2274, Start Num: 87

Candidate Starts for Cornie_2:

(Start: 87 @553 has 64 MA's), (Start: 110 @604 has 1 MA's), (114, 616), (Start: 117 @628 has 2 MA's), (121, 643), (139, 664), (156, 718), (159, 733), (161, 748), (162, 751), (167, 787), (170, 796), (175, 823), (176, 826), (191, 892), (194, 901), (196, 910), (204, 946), (205, 949), (207, 955), (208, 958), (210, 970), (219, 1009), (220, 1012), (233, 1063), (240, 1114), (Start: 245 @1138 has 1 MA's), (265, 1225), (277, 1279), (289, 1330), (293, 1351), (299, 1366), (308, 1405), (309, 1408), (312, 1438), (313, 1444), (333, 1543), (360, 1609), (370, 1651), (374, 1687), (385, 1726), (388, 1741), (402, 1828), (404, 1837), (406, 1846), (412, 1870), (430, 1942), (433, 1954), (455, 2023), (457, 2032), (481, 2083), (485, 2095), (486, 2098), (506, 2191), (507, 2194), (510, 2212),

Gene: Corvo_11 Start: 7169, Stop: 8857, Start Num: 51

Candidate Starts for Corvo_11:

(Start: 51 @7169 has 557 MA's), (Start: 143 @7349 has 2 MA's), (165, 7433), (170, 7469), (207, 7619), (233, 7727), (Start: 245 @7817 has 1 MA's), (250, 7841), (258, 7868), (267, 7916), (287, 7985), (302, 8060), (306, 8072), (316, 8132), (382, 8357), (385, 8366), (389, 8378), (402, 8420), (407, 8441), (414, 8468), (445, 8576), (480, 8666), (503, 8771),

Gene: CosmicSans_8 Start: 3156, Stop: 4838, Start Num: 53

Candidate Starts for CosmicSans_8:

(Start: 53 @3156 has 36 MA's), (Start: 143 @3342 has 2 MA's), (161, 3414), (165, 3426), (166, 3450), (170, 3462), (207, 3615), (209, 3630), (227, 3690), (Start: 245 @3798 has 1 MA's), (258, 3855), (304, 4053), (308, 4071), (318, 4125), (368, 4269), (374, 4308), (375, 4311), (384, 4344), (405, 4413), (445, 4557), (458, 4602), (485, 4662), (506, 4761), (517, 4794), (533, 4821), (535, 4824), (537, 4827),

Gene: Cozz_4 Start: 1113, Stop: 2792, Start Num: 87

Candidate Starts for Cozz_4:

(Start: 87 @1113 has 64 MA's), (Start: 110 @1164 has 1 MA's), (116, 1185), (Start: 117 @1188 has 2 MA's), (140, 1230), (161, 1311), (174, 1377), (175, 1386), (192, 1458), (196, 1473), (204, 1509), (207, 1518), (217, 1569), (238, 1668), (247, 1722), (257, 1758), (289, 1902), (299, 1938), (308, 1977), (312, 2010), (324, 2058), (329, 2091), (333, 2115), (350, 2148), (367, 2181), (374, 2238), (376, 2247), (401, 2331), (407, 2358), (425, 2418), (452, 2514), (481, 2586), (485, 2598), (512, 2718), (535, 2778), (537, 2781),

Gene: Crater_2 Start: 486, Stop: 2147, Start Num: 87

Candidate Starts for Crater_2:

(29, 324), (35, 357), (Start: 36 @360 has 1 MA's), (43, 378), (59, 411), (Start: 64 @420 has 1 MA's), (Start: 73 @453 has 1 MA's), (Start: 87 @486 has 64 MA's), (Start: 110 @537 has 1 MA's), (114, 549), (121, 576), (159, 666), (174, 747), (175, 756), (176, 759), (184, 792), (196, 843), (204, 879), (205, 882), (207, 888), (210, 903), (211, 906), (215, 924), (219, 942), (233, 996), (240, 1047), (Start: 245 @1071 has 1 MA's), (265, 1158), (280, 1218), (286, 1227), (289, 1263), (299, 1299), (308, 1338), (309, 1341), (312, 1371), (340, 1503), (350, 1509), (371, 1572), (374, 1599), (381, 1626), (382, 1629), (387, 1644), (402, 1701), (411, 1740), (433, 1821), (442, 1851), (462, 1914), (485, 1962), (486, 1965), (506, 2058), (507, 2061), (510, 2079), (516, 2088), (522, 2100), (537, 2136),

Gene: Crewmate_3 Start: 949, Stop: 2655, Start Num: 55

Candidate Starts for Crewmate_3:

(Start: 55 @949 has 34 MA's), (67, 970), (Start: 117 @1060 has 2 MA's), (149, 1129), (193, 1321), (207, 1378), (218, 1426), (238, 1516), (247, 1570), (257, 1615), (274, 1690), (337, 1942), (425, 2245), (433, 2284), (445, 2320), (449, 2335), (485, 2470), (506, 2566), (508, 2578),

Gene: Crispicous1_10 Start: 6453, Stop: 8141, Start Num: 51

Candidate Starts for Crispicous1_10:

(Start: 51 @6453 has 557 MA's), (165, 6717), (166, 6741), (207, 6903), (213, 6936), (233, 7011), (Start: 245 @7101 has 1 MA's), (250, 7125), (258, 7152), (267, 7200), (287, 7269), (306, 7356), (316, 7416), (385, 7650), (389, 7662), (402, 7704), (407, 7725), (414, 7752), (445, 7860), (480, 7950), (503, 8055),

Gene: Crucio_12 Start: 7386, Stop: 9173, Start Num: 51

Candidate Starts for Crucio_12:

(Start: 51 @7386 has 557 MA's), (102, 7494), (111, 7515), (136, 7623), (175, 7785), (206, 7905), (207, 7908), (233, 8016), (Start: 245 @8106 has 1 MA's), (250, 8130), (278, 8247), (286, 8262), (350, 8562), (405, 8748), (411, 8775), (416, 8796), (445, 8892), (517, 9129), (533, 9156), (535, 9159),

Gene: Cuco_9 Start: 6160, Stop: 7938, Start Num: 28

Candidate Starts for Cuco_9:

(Start: 28 @6160 has 19 MA's), (Start: 31 @6187 has 29 MA's), (58, 6256), (112, 6370), (114, 6376), (161, 6508), (175, 6583), (176, 6586), (184, 6619), (194, 6652), (221, 6760), (227, 6784), (233, 6817), (Start: 245 @6892 has 1 MA's), (256, 6937), (271, 7015), (274, 7021), (318, 7219), (324, 7240), (375, 7414), (381, 7438), (382, 7441), (402, 7501), (405, 7513), (411, 7540), (416, 7561), (439, 7645), (445, 7657), (517, 7894), (537, 7927), (539, 7933),

Gene: Cucurbita_32 Start: 9972, Stop: 11720, Start Num: 84

Candidate Starts for Cucurbita_32:

(Start: 84 @9972 has 21 MA's), (99, 10002), (150, 10131), (180, 10317), (187, 10356), (195, 10380), (200, 10410), (206, 10428), (211, 10455), (218, 10485), (257, 10677), (260, 10695), (297, 10857), (314, 10905), (319, 10920), (365, 11103), (367, 11109), (381, 11193), (404, 11280), (412, 11313), (445, 11427), (456, 11463), (466, 11487), (470, 11502), (520, 11676), (526, 11682),

Gene: Cueyllyss_11 Start: 7122, Stop: 8810, Start Num: 51

Candidate Starts for Cueyllyss_11:

(Start: 51 @7122 has 557 MA's), (165, 7386), (166, 7410), (207, 7572), (213, 7605), (233, 7680), (Start: 245 @7770 has 1 MA's), (250, 7794), (258, 7821), (267, 7869), (306, 8025), (316, 8085), (362, 8217), (382, 8310), (385, 8319), (389, 8331), (402, 8373), (407, 8394), (414, 8421), (445, 8529), (480, 8619), (503, 8724),

Gene: Cullens_13 Start: 6955, Stop: 8655, Start Num: 52

Candidate Starts for Cullens_13:

(Start: 52 @6955 has 102 MA's), (71, 7003), (139, 7138), (184, 7330), (207, 7417), (214, 7453), (Start: 245 @7615 has 1 MA's), (265, 7705), (284, 7768), (316, 7930), (375, 8128), (381, 8152), (382, 8155), (402, 8218), (407, 8239), (416, 8278), (445, 8374), (461, 8428), (480, 8464), (517, 8611), (535, 8641), (537, 8644),

Gene: Culver_30 Start: 8433, Stop: 10181, Start Num: 84

Candidate Starts for Culver_30:

(Start: 84 @8433 has 21 MA's), (99, 8463), (149, 8589), (150, 8592), (174, 8706), (180, 8778), (187, 8817), (195, 8841), (206, 8889), (211, 8916), (257, 9138), (260, 9156), (297, 9318), (314, 9366), (319, 9381), (365, 9564), (367, 9570), (381, 9654), (404, 9741), (412, 9774), (445, 9888), (456, 9924), (466, 9948), (470, 9963), (520, 10137), (526, 10143),

Gene: Cyan_2 Start: 533, Stop: 2239, Start Num: 55

Candidate Starts for Cyan_2:

(6, 242), (8, 251), (Start: 55 @533 has 34 MA's), (193, 905), (207, 962), (218, 1010), (238, 1100), (247, 1154), (274, 1274), (293, 1364), (337, 1526), (375, 1649), (445, 1904), (449, 1919), (467, 1973), (485, 2054), (502, 2138), (508, 2162),

Gene: D29_13 Start: 7375, Stop: 9162, Start Num: 51

Candidate Starts for D29_13:

(16, 7216), (18, 7243), (Start: 51 @7375 has 557 MA's), (102, 7483), (111, 7504), (128, 7570), (136, 7612), (161, 7699), (206, 7894), (207, 7897), (233, 8005), (Start: 245 @8095 has 1 MA's), (250, 8119), (274, 8218), (284, 8248), (286, 8251), (308, 8362), (350, 8551), (399, 8710), (402, 8725), (405, 8737), (411, 8764), (416, 8785), (439, 8869), (445, 8881), (480, 8971), (517, 9118), (533, 9145), (535, 9148),

Gene: D32_15 Start: 7375, Stop: 9162, Start Num: 51

Candidate Starts for D32_15:

(16, 7216), (18, 7243), (Start: 51 @7375 has 557 MA's), (102, 7483), (111, 7504), (128, 7570), (136, 7612), (161, 7699), (206, 7894), (207, 7897), (233, 8005), (Start: 245 @8095 has 1 MA's), (250, 8119), (274, 8218), (284, 8248), (286, 8251), (308, 8362), (350, 8551), (399, 8710), (402, 8725), (405, 8737), (411, 8764), (416, 8785), (439, 8869), (445, 8881), (480, 8971), (517, 9118), (533, 9145), (535, 9148),

Gene: DBQu4n_15 Start: 7375, Stop: 9162, Start Num: 51

Candidate Starts for DBQu4n_15:

(16, 7216), (18, 7243), (Start: 51 @7375 has 557 MA's), (102, 7483), (111, 7504), (128, 7570), (136, 7612), (161, 7699), (206, 7894), (207, 7897), (233, 8005), (Start: 245 @8095 has 1 MA's), (250, 8119), (274, 8218), (284, 8248), (286, 8251), (308, 8362), (350, 8551), (399, 8710), (402, 8725), (405, 8737), (411, 8764), (416, 8785), (439, 8869), (445, 8881), (480, 8971), (517, 9118), (533, 9145), (535, 9148),

Gene: DD5_12 Start: 7704, Stop: 9392, Start Num: 51

Candidate Starts for DD5_12:

(Start: 51 @7704 has 557 MA's), (165, 7968), (166, 7992), (207, 8154), (233, 8262), (Start: 245 @8352 has 1 MA's), (250, 8376), (258, 8403), (267, 8451), (287, 8520), (306, 8607), (307, 8616), (316, 8667), (385, 8901), (389, 8913), (402, 8955), (407, 8976), (414, 9003), (445, 9111), (480, 9201),

(503, 9306),

Gene: DS6A_5 Start: 1816, Stop: 3612, Start Num: 44

Candidate Starts for DS6A_5:

(Start: 44 @1816 has 1 MA's), (Start: 52 @1834 has 102 MA's), (149, 2068), (161, 2119), (166, 2155), (175, 2194), (184, 2236), (192, 2263), (194, 2269), (195, 2272), (207, 2323), (222, 2380), (223, 2383), (239, 2482), (Start: 245 @2509 has 1 MA's), (257, 2566), (301, 2758), (318, 2800), (357, 2920), (359, 2923), (368, 2947), (375, 2989), (382, 3016), (387, 3031), (408, 3121), (411, 3136), (412, 3139), (414, 3145), (424, 3205), (431, 3241), (433, 3247), (439, 3283), (441, 3286), (445, 3295), (463, 3352), (464, 3355), (465, 3358), (498, 3484), (503, 3520), (506, 3529), (508, 3541), (512, 3553), (516, 3559), (524, 3574),

Gene: DaHudson_13 Start: 6949, Stop: 8649, Start Num: 52

Candidate Starts for DaHudson_13:

(Start: 52 @6949 has 102 MA's), (71, 6997), (139, 7132), (184, 7324), (207, 7411), (Start: 245 @7609 has 1 MA's), (265, 7699), (284, 7762), (316, 7924), (375, 8122), (381, 8146), (382, 8149), (402, 8212), (407, 8233), (416, 8272), (445, 8368), (461, 8422), (480, 8458), (517, 8605), (535, 8635), (537, 8638),

Gene: DaVinci_15 Start: 7534, Stop: 9288, Start Num: 51

Candidate Starts for DaVinci_15:

(Start: 51 @7534 has 557 MA's), (136, 7765), (152, 7816), (161, 7852), (175, 7927), (207, 8050), (215, 8089), (233, 8158), (236, 8182), (237, 8185), (Start: 245 @8248 has 1 MA's), (250, 8272), (274, 8371), (275, 8374), (284, 8401), (286, 8404), (354, 8689), (378, 8776), (381, 8788), (402, 8851), (411, 8890), (416, 8911), (439, 8995), (445, 9007), (517, 9244), (533, 9271), (535, 9274),

Gene: Daishi_12 Start: 5882, Stop: 7582, Start Num: 52

Candidate Starts for Daishi_12:

(Start: 52 @5882 has 102 MA's), (71, 5930), (Start: 110 @6002 has 1 MA's), (139, 6065), (207, 6344), (Start: 245 @6542 has 1 MA's), (265, 6632), (284, 6695), (316, 6857), (375, 7055), (381, 7079), (382, 7082), (402, 7145), (405, 7157), (407, 7166), (411, 7184), (416, 7205), (445, 7301), (461, 7355), (480, 7391), (517, 7538), (535, 7568), (537, 7571),

Gene: Dalmatian_12 Start: 7536, Stop: 9323, Start Num: 51

Candidate Starts for Dalmatian_12:

(Start: 51 @7536 has 557 MA's), (102, 7644), (111, 7665), (136, 7773), (175, 7935), (206, 8055), (207, 8058), (233, 8166), (Start: 245 @8256 has 1 MA's), (250, 8280), (278, 8397), (286, 8412), (350, 8712), (405, 8898), (411, 8925), (416, 8946), (445, 9042), (517, 9279), (533, 9306), (535, 9309),

Gene: Danforth_8 Start: 5683, Stop: 7437, Start Num: 31

Candidate Starts for Danforth_8:

(Start: 31 @5683 has 29 MA's), (45, 5725), (Start: 65 @5764 has 1 MA's), (114, 5872), (175, 6079), (227, 6280), (Start: 245 @6388 has 1 MA's), (274, 6517), (310, 6682), (318, 6715), (356, 6835), (375, 6910), (407, 7021), (411, 7039), (416, 7060), (431, 7114), (445, 7156), (485, 7261), (506, 7360), (517, 7393), (537, 7426), (539, 7432),

Gene: Danzina_7 Start: 2576, Stop: 4222, Start Num: 39

Candidate Starts for Danzina_7:

(Start: 39 @2576 has 86 MA's), (Start: 49 @2594 has 10 MA's), (152, 2798), (161, 2834), (201, 3014), (208, 3035), (219, 3080), (231, 3122), (240, 3194), (Start: 245 @3218 has 1 MA's), (268, 3317), (271, 3332), (278, 3356), (281, 3362), (327, 3530), (375, 3680), (380, 3701), (384, 3713), (405, 3791), (433, 3899), (445, 3938), (452, 3959), (454, 3965), (458, 3983), (506, 4139),

Gene: Daredevil_12 Start: 5000, Stop: 6736, Start Num: 84

Candidate Starts for Daredevil_12:

(Start: 84 @5000 has 21 MA's), (90, 5015), (114, 5072), (141, 5129), (171, 5261), (184, 5372), (195, 5408), (216, 5504), (Start: 245 @5648 has 1 MA's), (251, 5675), (260, 5723), (315, 5930), (326, 5975), (367, 6128), (402, 6290), (425, 6371), (445, 6446), (470, 6518), (485, 6554), (492, 6590), (506, 6650),

Gene: Darrell_14 Start: 8350, Stop: 10122, Start Num: 60

Candidate Starts for Darrell_14:

(Start: 51 @8335 has 557 MA's), (Start: 60 @8350 has 10 MA's), (102, 8437), (114, 8467), (136, 8566), (152, 8617), (175, 8728), (194, 8800), (207, 8854), (215, 8893), (233, 8965), (Start: 245 @9055 has 1 MA's), (250, 9079), (286, 9211), (307, 9319), (323, 9394), (343, 9490), (384, 9631), (411, 9724), (412, 9727), (416, 9745), (431, 9799), (445, 9841), (461, 9895), (481, 9934), (486, 9949), (517, 10078), (533, 10105), (535, 10108),

Gene: DarthPhader_13 Start: 8323, Stop: 10107, Start Num: 51

Candidate Starts for DarthPhader_13:

(Start: 51 @8323 has 557 MA's), (Start: 63 @8344 has 4 MA's), (Start: 110 @8443 has 1 MA's), (114, 8455), (130, 8521), (136, 8554), (161, 8641), (194, 8785), (207, 8839), (215, 8878), (233, 8950), (Start: 245 @9040 has 1 MA's), (250, 9064), (274, 9163), (278, 9181), (286, 9196), (313, 9340), (375, 9583), (399, 9655), (402, 9670), (416, 9730), (445, 9826), (480, 9916), (516, 10060), (517, 10063), (533, 10090), (535, 10093), (537, 10096),

Gene: DatBoi_13 Start: 6914, Stop: 8650, Start Num: 84

Candidate Starts for DatBoi_13:

(Start: 84 @6914 has 21 MA's), (114, 6986), (166, 7157), (171, 7175), (184, 7286), (195, 7322), (216, 7418), (Start: 245 @7562 has 1 MA's), (251, 7589), (260, 7637), (315, 7844), (326, 7889), (342, 7970), (367, 8042), (445, 8360), (485, 8468), (506, 8564),

Gene: Dattran_7 Start: 2377, Stop: 4023, Start Num: 39

Candidate Starts for Dattran_7:

(Start: 39 @2377 has 86 MA's), (Start: 49 @2395 has 10 MA's), (152, 2599), (161, 2635), (201, 2815), (208, 2836), (231, 2923), (240, 2995), (Start: 245 @3019 has 1 MA's), (268, 3118), (271, 3133), (278, 3157), (281, 3163), (327, 3331), (338, 3391), (375, 3481), (380, 3502), (405, 3592), (416, 3640), (445, 3739), (452, 3760), (454, 3766), (458, 3784), (506, 3940),

Gene: Datway_11 Start: 6893, Stop: 8590, Start Num: 51

Candidate Starts for Datway_11:

(Start: 51 @6893 has 557 MA's), (Start: 65 @6917 has 1 MA's), (165, 7163), (185, 7268), (206, 7346), (207, 7349), (215, 7388), (233, 7457), (236, 7481), (Start: 245 @7547 has 1 MA's), (265, 7637), (306, 7802), (313, 7847), (324, 7889), (329, 7922), (354, 7988), (374, 8060), (375, 8063), (381, 8087), (402, 8153), (411, 8192), (416, 8213), (445, 8309), (516, 8543), (517, 8546), (535, 8576), (537, 8579),

Gene: Daudau_6 Start: 2153, Stop: 3799, Start Num: 39

Candidate Starts for Daudau_6:

(Start: 39 @2153 has 86 MA's), (165, 2423), (166, 2447), (Start: 169 @2456 has 2 MA's), (192, 2549), (201, 2591), (203, 2597), (208, 2612), (231, 2699), (240, 2771), (Start: 245 @2795 has 1 MA's), (261, 2864), (268, 2894), (276, 2930), (286, 2948), (319, 3071), (327, 3107), (330, 3125), (380, 3278), (405, 3368), (411, 3395), (445, 3515), (452, 3536), (458, 3560), (485, 3620), (506, 3716), (539, 3794),

Gene: Deano_11 Start: 6890, Stop: 8587, Start Num: 51

Candidate Starts for Deano_11:

(Start: 51 @6890 has 557 MA's), (Start: 65 @6914 has 1 MA's), (Start: 117 @7037 has 2 MA's), (157, 7127), (165, 7160), (184, 7259), (206, 7343), (207, 7346), (215, 7385), (233, 7454), (236, 7478), (Start: 245 @7544 has 1 MA's), (265, 7634), (306, 7799), (324, 7886), (329, 7919), (354, 7985), (374, 8057),

(375, 8060), (381, 8084), (399, 8135), (402, 8150), (411, 8189), (416, 8210), (445, 8306), (517, 8543), (535, 8573), (537, 8576),

Gene: DekHockey33_14 Start: 6808, Stop: 8505, Start Num: 51

Candidate Starts for DekHockey33_14:

(Start: 51 @6808 has 557 MA's), (62, 6826), (139, 6988), (194, 7213), (207, 7267), (233, 7375), (237, 7402), (Start: 245 @7465 has 1 MA's), (250, 7489), (381, 8005), (402, 8068), (412, 8110), (445, 8224), (485, 8329), (517, 8461), (533, 8488), (535, 8491), (537, 8494),

Gene: Deloris_13 Start: 7865, Stop: 9655, Start Num: 51

Candidate Starts for Deloris_13:

(12, 7691), (Start: 51 @7865 has 557 MA's), (102, 7973), (111, 7994), (136, 8102), (146, 8126), (207, 8390), (233, 8498), (Start: 245 @8588 has 1 MA's), (250, 8612), (278, 8729), (286, 8744), (350, 9044), (405, 9230), (411, 9257), (416, 9278), (445, 9374), (517, 9611), (533, 9638), (535, 9641),

Gene: Dexers_5 Start: 2218, Stop: 3864, Start Num: 39

Candidate Starts for Dexers_5:

(Start: 36 @2209 has 1 MA's), (Start: 39 @2218 has 86 MA's), (Start: 41 @2221 has 2 MA's), (Start: 49 @2236 has 10 MA's), (96, 2314), (152, 2440), (161, 2476), (Start: 169 @2521 has 2 MA's), (192, 2614), (196, 2629), (201, 2656), (204, 2665), (208, 2677), (231, 2764), (237, 2812), (Start: 245 @2860 has 1 MA's), (268, 2959), (278, 2998), (313, 3112), (318, 3133), (327, 3172), (345, 3253), (375, 3322), (376, 3328), (380, 3343), (399, 3406), (432, 3538), (445, 3580), (454, 3607), (458, 3625), (481, 3673), (506, 3781),

Gene: Dexes_12 Start: 7609, Stop: 9297, Start Num: 51

Candidate Starts for Dexes_12:

(Start: 51 @7609 has 557 MA's), (165, 7873), (166, 7897), (207, 8059), (213, 8092), (233, 8167), (Start: 245 @8257 has 1 MA's), (250, 8281), (258, 8308), (267, 8356), (306, 8512), (316, 8572), (385, 8806), (389, 8818), (402, 8860), (407, 8881), (414, 8908), (445, 9016), (480, 9106), (503, 9211),

Gene: Dhanush_11 Start: 6887, Stop: 8584, Start Num: 51

Candidate Starts for Dhanush_11:

(Start: 51 @6887 has 557 MA's), (Start: 65 @6911 has 1 MA's), (Start: 117 @7034 has 2 MA's), (157, 7124), (165, 7157), (184, 7256), (206, 7340), (207, 7343), (215, 7382), (233, 7451), (236, 7475), (Start: 245 @7541 has 1 MA's), (265, 7631), (306, 7796), (324, 7883), (329, 7916), (354, 7982), (374, 8054), (375, 8057), (381, 8081), (399, 8132), (402, 8147), (411, 8186), (416, 8207), (445, 8303), (517, 8540), (535, 8570), (537, 8573),

Gene: Diane_6 Start: 2144, Stop: 3793, Start Num: 39

Candidate Starts for Diane_6:

(Start: 39 @2144 has 86 MA's), (96, 2243), (146, 2342), (152, 2369), (165, 2417), (Start: 169 @2450 has 2 MA's), (196, 2558), (201, 2585), (208, 2606), (219, 2651), (231, 2693), (240, 2765), (Start: 245 @2789 has 1 MA's), (268, 2888), (276, 2924), (286, 2942), (318, 3062), (319, 3065), (327, 3101), (380, 3272), (384, 3284), (399, 3335), (411, 3389), (414, 3398), (445, 3509), (452, 3530), (458, 3554), (506, 3710), (539, 3788),

Gene: Dieselweasel_13 Start: 6958, Stop: 8658, Start Num: 52

Candidate Starts for Dieselweasel_13:

(Start: 52 @6958 has 102 MA's), (71, 7006), (139, 7141), (184, 7333), (207, 7420), (Start: 245 @7618 has 1 MA's), (265, 7708), (284, 7771), (316, 7933), (375, 8131), (381, 8155), (382, 8158), (402, 8221), (407, 8242), (416, 8281), (445, 8377), (461, 8431), (480, 8467), (517, 8614), (535, 8644), (537, 8647),

Gene: Dignity_14 Start: 7832, Stop: 9619, Start Num: 51

Candidate Starts for Dignity_14:

(Start: 51 @7832 has 557 MA's), (102, 7940), (111, 7961), (128, 8027), (129, 8033), (136, 8069), (146, 8093), (161, 8156), (206, 8351), (207, 8354), (233, 8462), (Start: 245 @8552 has 1 MA's), (250, 8576), (267, 8651), (278, 8693), (286, 8708), (350, 9008), (405, 9194), (411, 9221), (416, 9242), (445, 9338), (517, 9575), (535, 9605),

Gene: Dinger_8 Start: 3152, Stop: 4834, Start Num: 53

Candidate Starts for Dinger_8:

(Start: 53 @3152 has 36 MA's), (Start: 143 @3338 has 2 MA's), (161, 3410), (165, 3422), (170, 3458), (209, 3626), (227, 3686), (Start: 245 @3794 has 1 MA's), (304, 4049), (318, 4121), (368, 4265), (375, 4307), (384, 4340), (402, 4397), (405, 4409), (445, 4553), (458, 4598), (485, 4658), (506, 4757), (517, 4790), (533, 4817), (535, 4820), (537, 4823),

Gene: DirtyDunning_11 Start: 6880, Stop: 8577, Start Num: 51

Candidate Starts for DirtyDunning_11:

(Start: 51 @6880 has 557 MA's), (Start: 65 @6904 has 1 MA's), (Start: 117 @7027 has 2 MA's), (157, 7117), (165, 7150), (184, 7249), (206, 7333), (207, 7336), (215, 7375), (233, 7444), (236, 7468), (Start: 245 @7534 has 1 MA's), (265, 7624), (306, 7789), (324, 7876), (329, 7909), (354, 7975), (374, 8047), (375, 8050), (381, 8074), (399, 8125), (402, 8140), (411, 8179), (416, 8200), (445, 8296), (517, 8533), (535, 8563), (537, 8566),

Gene: Discoknowium_9 Start: 6269, Stop: 8047, Start Num: 28

Candidate Starts for Discoknowium_9:

(Start: 28 @6269 has 19 MA's), (Start: 31 @6296 has 29 MA's), (58, 6365), (112, 6479), (114, 6485), (161, 6617), (175, 6692), (176, 6695), (221, 6869), (227, 6893), (Start: 245 @7001 has 1 MA's), (256, 7046), (271, 7124), (274, 7130), (275, 7133), (310, 7295), (311, 7301), (318, 7328), (324, 7349), (375, 7523), (381, 7547), (382, 7550), (402, 7610), (405, 7622), (411, 7649), (416, 7670), (431, 7724), (439, 7754), (445, 7766), (517, 8003), (537, 8036), (539, 8042),

Gene: Dixon_9 Start: 5702, Stop: 7456, Start Num: 31

Candidate Starts for Dixon_9:

(Start: 31 @5702 has 29 MA's), (45, 5744), (Start: 65 @5783 has 1 MA's), (114, 5891), (175, 6098), (227, 6299), (Start: 245 @6407 has 1 MA's), (274, 6536), (310, 6701), (318, 6734), (356, 6854), (375, 6929), (407, 7040), (411, 7058), (416, 7079), (431, 7133), (445, 7175), (467, 7244), (485, 7280), (506, 7379), (517, 7412), (537, 7445), (539, 7451),

Gene: Doom_11 Start: 7247, Stop: 8935, Start Num: 51

Candidate Starts for Doom_11:

(Start: 51 @7247 has 557 MA's), (165, 7511), (166, 7535), (207, 7697), (213, 7730), (233, 7805), (Start: 245 @7895 has 1 MA's), (250, 7919), (258, 7946), (267, 7994), (287, 8063), (306, 8150), (316, 8210), (385, 8444), (389, 8456), (402, 8498), (407, 8519), (414, 8546), (445, 8654), (480, 8744), (503, 8849),

Gene: Dorothea_14 Start: 7533, Stop: 9287, Start Num: 51

Candidate Starts for Dorothea_14:

(Start: 51 @7533 has 557 MA's), (136, 7764), (152, 7815), (161, 7851), (175, 7926), (207, 8049), (215, 8088), (233, 8157), (236, 8181), (237, 8184), (Start: 245 @8247 has 1 MA's), (250, 8271), (274, 8370), (275, 8373), (284, 8400), (286, 8403), (354, 8688), (378, 8775), (381, 8787), (402, 8850), (411, 8889), (416, 8910), (439, 8994), (445, 9006), (517, 9243), (533, 9270), (535, 9273),

Gene: DrFeelGood_10 Start: 6771, Stop: 8459, Start Num: 51

Candidate Starts for DrFeelGood_10:

(Start: 51 @6771 has 557 MA's), (165, 7035), (166, 7059), (207, 7221), (213, 7254), (233, 7329), (Start: 245 @7419 has 1 MA's), (250, 7443), (258, 7470), (267, 7518), (287, 7587), (306, 7674), (316, 7734), (382, 7959), (385, 7968), (389, 7980), (402, 8022), (407, 8043), (414, 8070), (445, 8178), (480, 8268), (503, 8373),

Gene: DrManhattan_2 Start: 534, Stop: 2240, Start Num: 57

Candidate Starts for DrManhattan_2:

(6, 240), (7, 243), (Start: 57 @534 has 5 MA's), (67, 555), (Start: 110 @621 has 1 MA's), (193, 906), (207, 963), (238, 1101), (241, 1125), (247, 1155), (257, 1200), (274, 1275), (330, 1488), (337, 1527), (433, 1869), (445, 1905), (449, 1920), (455, 1938), (485, 2055), (492, 2091), (506, 2151), (508, 2163),

Gene: DrSierra_2 Start: 548, Stop: 2254, Start Num: 55

Candidate Starts for DrSierra_2:

(Start: 55 @548 has 34 MA's), (67, 569), (101, 614), (207, 977), (218, 1025), (238, 1115), (274, 1289), (330, 1502), (337, 1541), (375, 1664), (399, 1748), (433, 1883), (445, 1919), (449, 1934), (485, 2069), (506, 2165), (508, 2177),

Gene: Drake55_14 Start: 7940, Stop: 9727, Start Num: 51

Candidate Starts for Drake55_14:

(10, 7754), (25, 7856), (Start: 51 @7940 has 557 MA's), (102, 8048), (111, 8069), (136, 8177), (207, 8462), (233, 8570), (Start: 245 @8660 has 1 MA's), (250, 8684), (278, 8801), (286, 8816), (375, 9203), (411, 9329), (416, 9350), (439, 9434), (445, 9446), (517, 9683), (533, 9710), (535, 9713), (537, 9716), (538, 9719),

Gene: Drake94_10 Start: 4774, Stop: 6465, Start Num: 51

Candidate Starts for Drake94_10:

(Start: 51 @4774 has 557 MA's), (Start: 65 @4798 has 1 MA's), (149, 4990), (161, 5041), (165, 5053), (171, 5095), (175, 5116), (196, 5194), (207, 5239), (215, 5278), (231, 5326), (233, 5347), (236, 5371), (Start: 245 @5422 has 1 MA's), (274, 5545), (309, 5692), (320, 5752), (329, 5797), (375, 5938), (393, 5992), (402, 6028), (411, 6067), (416, 6088), (445, 6184), (467, 6253), (517, 6421), (535, 6451), (537, 6454),

Gene: Dre3_4 Start: 1229, Stop: 2923, Start Num: 87

Candidate Starts for Dre3_4:

(Start: 87 @1229 has 64 MA's), (101, 1259), (114, 1292), (116, 1301), (161, 1439), (196, 1601), (198, 1616), (207, 1646), (210, 1667), (217, 1697), (233, 1766), (235, 1784), (238, 1796), (240, 1817), (257, 1886), (265, 1928), (308, 2105), (315, 2156), (329, 2219), (333, 2243), (350, 2276), (366, 2309), (376, 2378), (397, 2453), (400, 2462), (402, 2471), (405, 2483), (406, 2489), (411, 2510), (452, 2648), (494, 2771), (512, 2852), (535, 2909), (537, 2912),

Gene: DreamCatcher_14 Start: 8201, Stop: 9889, Start Num: 54

Candidate Starts for DreamCatcher_14:

(Start: 54 @8201 has 35 MA's), (Start: 143 @8381 has 2 MA's), (165, 8465), (167, 8492), (170, 8501), (207, 8651), (213, 8684), (233, 8759), (Start: 245 @8849 has 1 MA's), (250, 8873), (267, 8948), (287, 9017), (306, 9104), (307, 9113), (316, 9164), (385, 9398), (389, 9410), (402, 9452), (407, 9473), (414, 9500), (445, 9608), (480, 9698), (503, 9803),

Gene: DreamTeam1_12 Start: 6308, Stop: 8080, Start Num: 60

Candidate Starts for DreamTeam1_12:

(Start: 51 @6296 has 557 MA's), (Start: 60 @6308 has 10 MA's), (114, 6425), (136, 6524), (173, 6674), (175, 6686), (194, 6758), (207, 6812), (215, 6851), (233, 6923), (242, 6995), (Start: 245 @7013 has 1 MA's), (250, 7037), (278, 7154), (286, 7169), (307, 7277), (323, 7352), (343, 7448), (384, 7589), (399, 7628), (411, 7682), (412, 7685), (416, 7703), (431, 7757), (439, 7787), (445, 7799), (480, 7889),

(486, 7907), (517, 8036), (533, 8063), (535, 8066),

Gene: Dreamboat_12 Start: 6899, Stop: 8587, Start Num: 51

Candidate Starts for Dreamboat_12:

(Start: 51 @6899 has 557 MA's), (Start: 143 @7079 has 2 MA's), (165, 7163), (170, 7199), (207, 7349), (233, 7457), (Start: 245 @7547 has 1 MA's), (250, 7571), (267, 7646), (287, 7715), (306, 7802), (316, 7862), (385, 8096), (389, 8108), (402, 8150), (407, 8171), (414, 8198), (445, 8306), (480, 8396), (503, 8501),

Gene: DroogsArmy_12 Start: 8069, Stop: 9763, Start Num: 51

Candidate Starts for DroogsArmy_12:

(Start: 51 @8069 has 557 MA's), (136, 8237), (152, 8288), (165, 8336), (175, 8399), (184, 8435), (194, 8468), (203, 8510), (207, 8522), (209, 8537), (215, 8561), (233, 8630), (Start: 245 @8720 has 1 MA's), (247, 8729), (286, 8876), (306, 8975), (315, 9032), (324, 9062), (374, 9233), (375, 9236), (381, 9260), (382, 9263), (404, 9335), (445, 9482), (454, 9509), (461, 9536), (507, 9689), (517, 9719), (535, 9749),

Gene: Druantia_11 Start: 6885, Stop: 8582, Start Num: 51

Candidate Starts for Druantia_11:

(Start: 51 @6885 has 557 MA's), (Start: 65 @6909 has 1 MA's), (Start: 117 @7032 has 2 MA's), (157, 7122), (165, 7155), (184, 7254), (206, 7338), (207, 7341), (215, 7380), (233, 7449), (236, 7473), (Start: 245 @7539 has 1 MA's), (265, 7629), (306, 7794), (324, 7881), (329, 7914), (354, 7980), (374, 8052), (375, 8055), (381, 8079), (399, 8130), (402, 8145), (411, 8184), (416, 8205), (445, 8301), (517, 8538), (535, 8568), (537, 8571),

Gene: Dublin_8 Start: 6128, Stop: 7906, Start Num: 28

Candidate Starts for Dublin_8:

(Start: 28 @6128 has 19 MA's), (Start: 31 @6155 has 29 MA's), (58, 6224), (112, 6338), (114, 6344), (161, 6476), (175, 6551), (176, 6554), (184, 6587), (194, 6620), (221, 6728), (227, 6752), (233, 6785), (Start: 245 @6860 has 1 MA's), (256, 6905), (271, 6983), (274, 6989), (310, 7154), (318, 7187), (324, 7208), (375, 7382), (381, 7406), (382, 7409), (402, 7469), (405, 7481), (411, 7508), (416, 7529), (439, 7613), (445, 7625), (481, 7718), (517, 7862), (537, 7895), (539, 7901),

Gene: Dubu_2 Start: 550, Stop: 2163, Start Num: 97

Candidate Starts for Dubu_2:

(Start: 97 @550 has 1 MA's), (107, 574), (140, 643), (151, 676), (159, 727), (162, 745), (164, 751), (176, 820), (184, 916), (191, 940), (198, 973), (207, 1003), (212, 1033), (221, 1054), (223, 1060), (231, 1087), (243, 1174), (Start: 245 @1183 has 1 MA's), (248, 1195), (252, 1216), (258, 1231), (276, 1306), (300, 1384), (330, 1492), (364, 1585), (367, 1600), (392, 1708), (405, 1765), (413, 1801), (429, 1834), (438, 1870), (451, 1903), (488, 2008), (501, 2071), (503, 2077), (504, 2080), (524, 2131), (535, 2152),

Gene: DudeLittle_12 Start: 7538, Stop: 9325, Start Num: 51

Candidate Starts for DudeLittle_12:

(Start: 51 @7538 has 557 MA's), (102, 7646), (111, 7667), (136, 7775), (175, 7937), (206, 8057), (207, 8060), (233, 8168), (Start: 245 @8258 has 1 MA's), (250, 8282), (278, 8399), (286, 8414), (350, 8714), (405, 8900), (411, 8927), (416, 8948), (445, 9044), (517, 9281), (533, 9308), (535, 9311),

Gene: Dulcie_10 Start: 6646, Stop: 8334, Start Num: 51

Candidate Starts for Dulcie_10:

(Start: 51 @6646 has 557 MA's), (165, 6910), (166, 6934), (207, 7096), (213, 7129), (233, 7204), (Start: 245 @7294 has 1 MA's), (250, 7318), (258, 7345), (267, 7393), (271, 7411), (287, 7462), (306, 7549), (316, 7609), (385, 7843), (389, 7855), (402, 7897), (407, 7918), (414, 7945), (445, 8053), (480, 8143), (503, 8248),

Gene: Duplo_15 Start: 7416, Stop: 9203, Start Num: 51

Candidate Starts for Duplo_15:

(16, 7257), (18, 7284), (Start: 51 @7416 has 557 MA's), (102, 7524), (111, 7545), (128, 7611), (136, 7653), (161, 7740), (206, 7935), (207, 7938), (233, 8046), (Start: 245 @8136 has 1 MA's), (250, 8160), (274, 8259), (284, 8289), (286, 8292), (308, 8403), (350, 8592), (399, 8751), (402, 8766), (405, 8778), (411, 8805), (416, 8826), (439, 8910), (445, 8922), (480, 9012), (517, 9159), (533, 9186), (535, 9189),

Gene: Dussy_12 Start: 7007, Stop: 8695, Start Num: 51

Candidate Starts for Dussy_12:

(Start: 51 @7007 has 557 MA's), (Start: 143 @7187 has 2 MA's), (165, 7271), (170, 7307), (175, 7334), (207, 7457), (233, 7565), (Start: 245 @7655 has 1 MA's), (250, 7679), (258, 7706), (267, 7754), (287, 7823), (306, 7910), (316, 7970), (382, 8195), (385, 8204), (389, 8216), (402, 8258), (407, 8279), (414, 8306), (445, 8414), (480, 8504), (503, 8609),

Gene: Dusty_28 Start: 8433, Stop: 10181, Start Num: 84

Candidate Starts for Dusty_28:

(Start: 84 @8433 has 21 MA's), (99, 8463), (149, 8589), (150, 8592), (174, 8706), (180, 8778), (187, 8817), (195, 8841), (206, 8889), (211, 8916), (257, 9138), (260, 9156), (297, 9318), (314, 9366), (319, 9381), (365, 9564), (367, 9570), (381, 9654), (404, 9741), (412, 9774), (445, 9888), (456, 9924), (466, 9948), (470, 9963), (520, 10137), (526, 10143),

Gene: Dwayne_6 Start: 2377, Stop: 4023, Start Num: 39

Candidate Starts for Dwayne_6:

(Start: 39 @2377 has 86 MA's), (Start: 49 @2395 has 10 MA's), (Start: 117 @2527 has 2 MA's), (152, 2599), (161, 2635), (201, 2815), (208, 2836), (219, 2881), (231, 2923), (240, 2995), (Start: 245 @3019 has 1 MA's), (268, 3118), (271, 3133), (278, 3157), (281, 3163), (327, 3331), (375, 3481), (380, 3502), (399, 3565), (405, 3592), (433, 3700), (445, 3739), (452, 3760), (454, 3766), (458, 3784), (492, 3880), (506, 3940), (539, 4018),

Gene: Dynamix_12 Start: 7056, Stop: 8744, Start Num: 51

Candidate Starts for Dynamix_12:

(Start: 51 @7056 has 557 MA's), (Start: 143 @7236 has 2 MA's), (165, 7320), (170, 7356), (175, 7383), (207, 7506), (233, 7614), (Start: 245 @7704 has 1 MA's), (250, 7728), (258, 7755), (267, 7803), (306, 7959), (315, 8016), (316, 8019), (385, 8253), (389, 8265), (402, 8307), (407, 8328), (414, 8355), (445, 8463), (480, 8553), (503, 8658),

Gene: ELB20_05 Start: 2194, Stop: 3855, Start Num: 39

Candidate Starts for ELB20_05:

(Start: 39 @2194 has 86 MA's), (149, 2416), (Start: 169 @2512 has 2 MA's), (192, 2605), (196, 2620), (201, 2647), (208, 2668), (231, 2755), (Start: 245 @2851 has 1 MA's), (254, 2884), (265, 2938), (274, 2971), (281, 2995), (296, 3064), (319, 3127), (320, 3133), (327, 3163), (346, 3247), (374, 3310), (375, 3313), (378, 3325), (380, 3334), (383, 3343), (399, 3397), (405, 3424), (445, 3571), (452, 3592), (458, 3616), (485, 3676), (506, 3772), (539, 3850),

Gene: EMsquaredA_2 Start: 485, Stop: 2284, Start Num: 52

Candidate Starts for EMsquaredA_2:

(Start: 52 @485 has 102 MA's), (115, 623), (122, 650), (159, 782), (161, 797), (178, 881), (185, 911), (189, 923), (192, 932), (200, 971), (207, 992), (223, 1052), (230, 1076), (239, 1148), (247, 1184), (255, 1220), (275, 1310), (279, 1331), (288, 1376), (289, 1382), (292, 1400), (298, 1415), (357, 1589), (368, 1616), (382, 1685), (384, 1691), (402, 1757), (405, 1769), (411, 1796), (433, 1907), (439, 1943), (445, 1955), (446, 1961), (454, 1979), (461, 2006), (469, 2030), (484, 2093), (492, 2135), (505, 2192), (508, 2207), (514, 2222), (535, 2270), (537, 2273),

Gene: EZMoney23_16 Start: 9406, Stop: 11193, Start Num: 51

Candidate Starts for EZMoney23_16:

(Start: 51 @9406 has 557 MA's), (102, 9514), (111, 9535), (136, 9643), (152, 9694), (161, 9730), (171, 9784), (206, 9925), (207, 9928), (215, 9967), (233, 10036), (Start: 245 @10126 has 1 MA's), (250, 10150), (286, 10282), (375, 10669), (405, 10768), (411, 10795), (416, 10816), (439, 10900), (445, 10912), (517, 11149), (533, 11176), (535, 11179), (537, 11182), (538, 11185),

Gene: Eagle_10 Start: 6884, Stop: 8581, Start Num: 51

Candidate Starts for Eagle_10:

(Start: 51 @6884 has 557 MA's), (Start: 65 @6908 has 1 MA's), (Start: 117 @7031 has 2 MA's), (157, 7121), (165, 7154), (206, 7337), (207, 7340), (215, 7379), (233, 7448), (236, 7472), (Start: 245 @7538 has 1 MA's), (265, 7628), (306, 7793), (324, 7880), (329, 7913), (354, 7979), (374, 8051), (375, 8054), (381, 8078), (399, 8129), (402, 8144), (411, 8183), (416, 8204), (445, 8300), (517, 8537), (535, 8567), (537, 8570),

Gene: EagleEye_14 Start: 7590, Stop: 9344, Start Num: 51

Candidate Starts for EagleEye_14:

(Start: 51 @7590 has 557 MA's), (114, 7722), (136, 7821), (161, 7908), (175, 7983), (194, 8052), (206, 8103), (207, 8106), (233, 8214), (Start: 245 @8304 has 1 MA's), (250, 8328), (284, 8457), (286, 8460), (289, 8496), (350, 8736), (354, 8745), (375, 8820), (399, 8892), (402, 8907), (411, 8946), (416, 8967), (439, 9051), (445, 9063), (485, 9168), (503, 9258), (506, 9267), (517, 9300), (533, 9327), (535, 9330), (537, 9333), (538, 9336),

Gene: Eaglepride_12 Start: 6703, Stop: 8379, Start Num: 51

Candidate Starts for Eaglepride_12:

(Start: 51 @6703 has 557 MA's), (Start: 117 @6835 has 2 MA's), (152, 6919), (161, 6955), (165, 6967), (192, 7093), (207, 7153), (215, 7192), (231, 7240), (233, 7261), (236, 7285), (Start: 245 @7336 has 1 MA's), (274, 7459), (289, 7528), (320, 7666), (329, 7711), (354, 7777), (375, 7852), (381, 7876), (402, 7942), (405, 7954), (411, 7981), (416, 8002), (445, 8098), (467, 8167), (516, 8332), (517, 8335), (535, 8365), (537, 8368),

Gene: Eapen_11 Start: 6886, Stop: 8583, Start Num: 51

Candidate Starts for Eapen_11:

(Start: 51 @6886 has 557 MA's), (Start: 65 @6910 has 1 MA's), (Start: 117 @7033 has 2 MA's), (157, 7123), (165, 7156), (184, 7255), (206, 7339), (207, 7342), (215, 7381), (233, 7450), (236, 7474), (Start: 245 @7540 has 1 MA's), (265, 7630), (306, 7795), (324, 7882), (329, 7915), (354, 7981), (374, 8053), (375, 8056), (381, 8080), (399, 8131), (402, 8146), (411, 8185), (416, 8206), (445, 8302), (517, 8539), (535, 8569), (537, 8572),

Gene: Ebony_12 Start: 8082, Stop: 9845, Start Num: 51

Candidate Starts for Ebony_12:

(Start: 51 @8082 has 557 MA's), (Start: 63 @8103 has 4 MA's), (102, 8190), (136, 8319), (146, 8343), (161, 8406), (194, 8550), (206, 8601), (207, 8604), (233, 8715), (236, 8739), (237, 8742), (Start: 245 @8805 has 1 MA's), (247, 8814), (250, 8829), (278, 8946), (286, 8961), (295, 9021), (313, 9105), (378, 9333), (381, 9345), (399, 9393), (402, 9408), (411, 9447), (416, 9468), (428, 9507), (439, 9552), (445, 9564), (517, 9801), (533, 9828),

Gene: Echild_12 Start: 7541, Stop: 9328, Start Num: 51

Candidate Starts for Echild_12:

(12, 7367), (Start: 51 @7541 has 557 MA's), (102, 7649), (111, 7670), (136, 7778), (161, 7865), (206, 8060), (207, 8063), (233, 8171), (Start: 245 @8261 has 1 MA's), (250, 8285), (278, 8402), (286, 8417), (350, 8717), (405, 8903), (411, 8930), (416, 8951), (445, 9047), (517, 9284), (533, 9311), (535, 9314),

Gene: Eddasa_7 Start: 2562, Stop: 4208, Start Num: 39

Candidate Starts for Eddasa_7:

(Start: 39 @2562 has 86 MA's), (Start: 49 @2580 has 10 MA's), (152, 2784), (Start: 169 @2865 has 2 MA's), (201, 3000), (208, 3021), (219, 3066), (231, 3108), (240, 3180), (Start: 245 @3204 has 1 MA's), (265, 3291), (268, 3303), (286, 3357), (313, 3456), (327, 3516), (378, 3678), (380, 3687), (405, 3777), (413, 3810), (432, 3882), (433, 3885), (445, 3924), (452, 3945), (454, 3951), (458, 3969), (492, 4065), (506, 4125),

Gene: Edison31_10 Start: 6714, Stop: 8405, Start Num: 51

Candidate Starts for Edison31_10:

(Start: 51 @6714 has 557 MA's), (Start: 65 @6738 has 1 MA's), (Start: 117 @6861 has 2 MA's), (161, 6981), (165, 6993), (172, 7038), (184, 7092), (192, 7119), (196, 7134), (207, 7179), (215, 7218), (231, 7266), (233, 7287), (236, 7311), (Start: 245 @7362 has 1 MA's), (274, 7485), (306, 7617), (320, 7692), (329, 7737), (354, 7803), (375, 7878), (381, 7902), (402, 7968), (411, 8007), (412, 8010), (416, 8028), (445, 8124), (467, 8193), (517, 8361), (535, 8391), (537, 8394),

Gene: Edtherson_12 Start: 7504, Stop: 9192, Start Num: 51

Candidate Starts for Edtherson_12:

(Start: 51 @7504 has 557 MA's), (Start: 143 @7684 has 2 MA's), (165, 7768), (170, 7804), (175, 7831), (207, 7954), (213, 7987), (233, 8062), (Start: 245 @8152 has 1 MA's), (250, 8176), (258, 8203), (267, 8251), (302, 8395), (306, 8407), (316, 8467), (385, 8701), (389, 8713), (402, 8755), (407, 8776), (414, 8803), (445, 8911), (480, 9001), (503, 9106),

Gene: Eidsmoe_13 Start: 8139, Stop: 9926, Start Num: 51

Candidate Starts for Eidsmoe_13:

(Start: 51 @8139 has 557 MA's), (Start: 60 @8154 has 10 MA's), (Start: 63 @8160 has 4 MA's), (114, 8271), (136, 8370), (175, 8532), (194, 8604), (207, 8658), (215, 8697), (233, 8769), (Start: 245 @8859 has 1 MA's), (250, 8883), (278, 9000), (286, 9015), (307, 9123), (323, 9198), (329, 9234), (343, 9294), (378, 9414), (384, 9435), (399, 9474), (411, 9528), (412, 9531), (416, 9549), (431, 9603), (439, 9633), (445, 9645), (480, 9735), (486, 9753), (517, 9882), (533, 9909), (535, 9912),

Gene: Ejemplo_6 Start: 2380, Stop: 4026, Start Num: 39

Candidate Starts for Ejemplo_6:

(Start: 39 @2380 has 86 MA's), (Start: 49 @2398 has 10 MA's), (152, 2602), (161, 2638), (201, 2818), (208, 2839), (231, 2926), (240, 2998), (Start: 245 @3022 has 1 MA's), (268, 3121), (271, 3136), (278, 3160), (281, 3166), (327, 3334), (338, 3394), (375, 3484), (380, 3505), (405, 3595), (433, 3703), (445, 3742), (452, 3763), (454, 3769), (458, 3787), (506, 3943), (539, 4021),

Gene: ElGato_8 Start: 2228, Stop: 3874, Start Num: 39

Candidate Starts for ElGato_8:

(Start: 36 @2219 has 1 MA's), (Start: 39 @2228 has 86 MA's), (Start: 41 @2231 has 2 MA's), (Start: 49 @2246 has 10 MA's), (152, 2450), (161, 2486), (Start: 169 @2531 has 2 MA's), (192, 2624), (196, 2639), (201, 2666), (204, 2675), (208, 2687), (231, 2774), (237, 2822), (Start: 245 @2870 has 1 MA's), (268, 2969), (278, 3008), (313, 3122), (318, 3143), (327, 3182), (345, 3263), (375, 3332), (376, 3338), (380, 3353), (399, 3416), (432, 3548), (445, 3590), (454, 3617), (458, 3635), (481, 3683), (506, 3791),

Gene: ElTiger69_9 Start: 5986, Stop: 7764, Start Num: 28

Candidate Starts for ElTiger69_9:

(Start: 28 @5986 has 19 MA's), (Start: 31 @6013 has 29 MA's), (Start: 53 @6073 has 36 MA's), (58, 6082), (Start: 72 @6121 has 1 MA's), (112, 6196), (114, 6202), (175, 6409), (176, 6412), (221, 6586), (Start: 245 @6718 has 1 MA's), (256, 6763), (271, 6841), (274, 6847), (310, 7012), (318, 7045), (324, 7066), (375, 7240), (381, 7264), (411, 7366), (416, 7387), (431, 7441), (439, 7471), (445, 7483), (461, 7537), (516, 7717), (517, 7720), (537, 7753), (539, 7759),

Gene: Elephantoon_13 Start: 7764, Stop: 9554, Start Num: 51

Candidate Starts for Elephantoon_13:

(Start: 51 @7764 has 557 MA's), (Start: 60 @7779 has 10 MA's), (114, 7896), (136, 7995), (175, 8157), (194, 8229), (207, 8283), (215, 8322), (233, 8394), (Start: 245 @8484 has 1 MA's), (250, 8508), (286, 8640), (307, 8748), (323, 8823), (329, 8859), (343, 8919), (366, 8979), (378, 9039), (384, 9060), (411, 9156), (412, 9159), (416, 9177), (431, 9231), (439, 9261), (445, 9273), (481, 9366), (486, 9381), (498, 9432), (517, 9510), (533, 9537), (535, 9540),

Gene: Elezi_2 Start: 534, Stop: 2240, Start Num: 55

Candidate Starts for Elezi_2:

(Start: 55 @534 has 34 MA's), (Start: 110 @621 has 1 MA's), (193, 906), (207, 963), (210, 984), (218, 1011), (238, 1101), (247, 1155), (257, 1200), (274, 1275), (311, 1404), (330, 1488), (337, 1527), (375, 1650), (425, 1830), (431, 1863), (445, 1905), (449, 1920), (485, 2055), (492, 2091), (506, 2151), (508, 2163),

Gene: Elinal_5 Start: 906, Stop: 2582, Start Num: 87

Candidate Starts for Elinal_5:

(Start: 87 @906 has 64 MA's), (Start: 110 @957 has 1 MA's), (116, 978), (140, 1023), (152, 1065), (161, 1101), (174, 1167), (196, 1263), (204, 1299), (207, 1308), (208, 1311), (217, 1359), (220, 1371), (238, 1458), (276, 1638), (289, 1692), (328, 1872), (333, 1905), (367, 1971), (376, 2037), (378, 2043), (402, 2127), (425, 2208), (431, 2241), (454, 2310), (485, 2388), (507, 2487), (512, 2508), (516, 2514), (535, 2568), (537, 2571),

Gene: Elliott_4 Start: 1113, Stop: 2792, Start Num: 87

Candidate Starts for Elliott_4:

(Start: 87 @1113 has 64 MA's), (Start: 110 @1164 has 1 MA's), (116, 1185), (Start: 117 @1188 has 2 MA's), (138, 1224), (140, 1230), (161, 1311), (174, 1377), (175, 1386), (192, 1458), (196, 1473), (204, 1509), (207, 1518), (217, 1569), (238, 1668), (247, 1722), (257, 1758), (289, 1902), (299, 1938), (308, 1977), (312, 2010), (324, 2058), (329, 2091), (333, 2115), (350, 2148), (367, 2181), (374, 2238), (376, 2247), (401, 2331), (425, 2418), (452, 2514), (481, 2586), (485, 2598), (512, 2718), (535, 2778), (537, 2781),

Gene: Emaanora_7 Start: 2376, Stop: 4022, Start Num: 39

Candidate Starts for Emaanora_7:

(Start: 39 @2376 has 86 MA's), (Start: 49 @2394 has 10 MA's), (Start: 117 @2526 has 2 MA's), (152, 2598), (161, 2634), (201, 2814), (208, 2835), (231, 2922), (240, 2994), (Start: 245 @3018 has 1 MA's), (268, 3117), (271, 3132), (278, 3156), (281, 3162), (327, 3330), (375, 3480), (380, 3501), (399, 3564), (405, 3591), (433, 3699), (445, 3738), (452, 3759), (454, 3765), (458, 3783), (492, 3879), (506, 3939), (539, 4017),

Gene: Emalyn_3 Start: 805, Stop: 2487, Start Num: 87

Candidate Starts for Emalyn_3:

(Start: 87 @805 has 64 MA's), (Start: 110 @856 has 1 MA's), (116, 877), (Start: 117 @880 has 2 MA's), (161, 1003), (Start: 169 @1048 has 2 MA's), (175, 1078), (192, 1150), (196, 1165), (204, 1201), (207, 1210), (208, 1213), (217, 1261), (233, 1330), (238, 1360), (240, 1381), (248, 1417), (257, 1450), (282, 1555), (289, 1594), (299, 1630), (308, 1669), (312, 1702), (324, 1750), (329, 1783), (333, 1807), (350, 1840), (376, 1939), (378, 1945), (401, 2023), (411, 2068), (425, 2110), (452, 2206), (472, 2254), (494, 2329), (512, 2410), (535, 2473), (537, 2476),

Gene: Emotion_2 Start: 551, Stop: 2290, Start Num: 41

Candidate Starts for Emotion_2:

(Start: 36 @539 has 1 MA's), (Start: 41 @551 has 2 MA's), (70, 611), (134, 716), (185, 932), (189, 944), (201, 995), (207, 1013), (382, 1733), (445, 1961), (449, 1976), (495, 2147), (508, 2213), (535, 2276),

Gene: EmyBug_11 Start: 8160, Stop: 9926, Start Num: 63

Candidate Starts for EmyBug_11:

(Start: 51 @8139 has 557 MA's), (Start: 60 @8154 has 10 MA's), (Start: 63 @8160 has 4 MA's), (114, 8271), (136, 8370), (175, 8532), (194, 8604), (207, 8658), (215, 8697), (233, 8769), (Start: 245 @8859 has 1 MA's), (250, 8883), (278, 9000), (286, 9015), (307, 9123), (323, 9198), (329, 9234), (343, 9294), (378, 9414), (384, 9435), (399, 9474), (411, 9528), (412, 9531), (416, 9549), (431, 9603), (439, 9633), (445, 9645), (480, 9735), (486, 9753), (517, 9882), (533, 9909), (535, 9912),

Gene: EnalisNailo_2 Start: 485, Stop: 2284, Start Num: 52

Candidate Starts for EnalisNailo_2:

(Start: 52 @485 has 102 MA's), (115, 623), (122, 650), (159, 782), (161, 797), (178, 881), (185, 911), (189, 923), (192, 932), (200, 971), (207, 992), (223, 1052), (230, 1076), (239, 1148), (247, 1184), (255, 1220), (275, 1310), (279, 1331), (288, 1376), (289, 1382), (292, 1400), (298, 1415), (357, 1589), (368, 1616), (382, 1685), (384, 1691), (402, 1757), (405, 1769), (411, 1796), (433, 1907), (439, 1943), (445, 1955), (446, 1961), (454, 1979), (461, 2006), (469, 2030), (484, 2093), (492, 2135), (505, 2192), (508, 2207), (514, 2222), (535, 2270), (537, 2273),

Gene: Engineer_31 Start: 8628, Stop: 10376, Start Num: 84

Candidate Starts for Engineer_31:

(Start: 84 @8628 has 21 MA's), (99, 8658), (150, 8787), (180, 8973), (187, 9012), (195, 9036), (200, 9066), (206, 9084), (211, 9111), (218, 9141), (257, 9333), (260, 9351), (297, 9513), (314, 9561), (319, 9576), (365, 9759), (367, 9765), (381, 9849), (404, 9936), (412, 9969), (445, 10083), (456, 10119), (466, 10143), (470, 10158), (520, 10332), (526, 10338),

Gene: EnochSoames_7 Start: 2576, Stop: 4204, Start Num: 49

Candidate Starts for EnochSoames_7:

(Start: 39 @2558 has 86 MA's), (Start: 49 @2576 has 10 MA's), (152, 2780), (Start: 169 @2861 has 2 MA's), (201, 2996), (208, 3017), (219, 3062), (231, 3104), (240, 3176), (Start: 245 @3200 has 1 MA's), (265, 3287), (268, 3299), (286, 3353), (313, 3452), (327, 3512), (378, 3674), (380, 3683), (405, 3773), (413, 3806), (432, 3878), (433, 3881), (445, 3920), (452, 3941), (454, 3947), (458, 3965), (492, 4061), (506, 4121),

Gene: EpicPhail_13 Start: 6957, Stop: 8657, Start Num: 52

Candidate Starts for EpicPhail_13:

(Start: 52 @6957 has 102 MA's), (71, 7005), (139, 7140), (184, 7332), (207, 7419), (Start: 245 @7617 has 1 MA's), (265, 7707), (284, 7770), (316, 7932), (375, 8130), (381, 8154), (382, 8157), (402, 8220), (407, 8241), (416, 8280), (445, 8376), (461, 8430), (480, 8466), (517, 8613), (535, 8643), (537, 8646),

Gene: Epsocamisio_14 Start: 6686, Stop: 8383, Start Num: 51

Candidate Starts for Epsocamisio_14:

(Start: 51 @6686 has 557 MA's), (62, 6704), (139, 6866), (175, 7022), (194, 7091), (207, 7145), (233, 7253), (237, 7280), (Start: 245 @7343 has 1 MA's), (250, 7367), (381, 7883), (402, 7946), (412, 7988), (445, 8102), (485, 8207), (517, 8339), (533, 8366), (535, 8369), (537, 8372),

Gene: Equemioh13_14 Start: 7926, Stop: 9713, Start Num: 51

Candidate Starts for Equemioh13_14:

(10, 7740), (25, 7842), (Start: 51 @7926 has 557 MA's), (102, 8034), (111, 8055), (132, 8145), (136, 8163), (194, 8394), (206, 8445), (207, 8448), (233, 8556), (Start: 245 @8646 has 1 MA's), (250, 8670), (286, 8802), (375, 9189), (411, 9315), (416, 9336), (439, 9420), (445, 9432), (517, 9669), (533, 9696),

(535, 9699), (537, 9702), (538, 9705),

Gene: Eraser_2 Start: 534, Stop: 2240, Start Num: 55

Candidate Starts for Eraser_2:

(Start: 55 @534 has 34 MA's), (Start: 110 @621 has 1 MA's), (193, 906), (207, 963), (210, 984), (218, 1011), (238, 1101), (247, 1155), (257, 1200), (274, 1275), (293, 1365), (330, 1488), (337, 1527), (375, 1650), (425, 1830), (431, 1863), (445, 1905), (449, 1920), (485, 2055), (492, 2091), (506, 2151), (508, 2163),

Gene: EricB_15 Start: 7524, Stop: 9278, Start Num: 51

Candidate Starts for EricB_15:

(Start: 51 @7524 has 557 MA's), (136, 7755), (152, 7806), (161, 7842), (175, 7917), (207, 8040), (215, 8079), (233, 8148), (236, 8172), (237, 8175), (Start: 245 @8238 has 1 MA's), (250, 8262), (274, 8361), (275, 8364), (284, 8391), (286, 8394), (354, 8679), (378, 8766), (381, 8778), (402, 8841), (411, 8880), (416, 8901), (439, 8985), (445, 8997), (517, 9234), (533, 9261), (535, 9264),

Gene: Erik_8 Start: 3156, Stop: 4838, Start Num: 53

Candidate Starts for Erik_8:

(Start: 53 @3156 has 36 MA's), (Start: 143 @3342 has 2 MA's), (161, 3414), (165, 3426), (166, 3450), (170, 3462), (207, 3615), (209, 3630), (227, 3690), (Start: 245 @3798 has 1 MA's), (258, 3855), (304, 4053), (308, 4071), (318, 4125), (368, 4269), (375, 4311), (384, 4344), (405, 4413), (445, 4557), (458, 4602), (485, 4662), (506, 4761), (517, 4794), (533, 4821), (535, 4824), (537, 4827),

Gene: Eris_11 Start: 6884, Stop: 8581, Start Num: 51

Candidate Starts for Eris_11:

(Start: 51 @6884 has 557 MA's), (Start: 65 @6908 has 1 MA's), (Start: 117 @7031 has 2 MA's), (157, 7121), (165, 7154), (184, 7253), (206, 7337), (207, 7340), (215, 7379), (233, 7448), (236, 7472), (Start: 245 @7538 has 1 MA's), (265, 7628), (306, 7793), (324, 7880), (329, 7913), (354, 7979), (374, 8051), (375, 8054), (381, 8078), (399, 8129), (402, 8144), (411, 8183), (416, 8204), (445, 8300), (517, 8537), (535, 8567), (537, 8570),

Gene: Eros_11 Start: 6884, Stop: 8581, Start Num: 51

Candidate Starts for Eros_11:

(Start: 51 @6884 has 557 MA's), (Start: 65 @6908 has 1 MA's), (Start: 117 @7031 has 2 MA's), (157, 7121), (165, 7154), (184, 7253), (206, 7337), (207, 7340), (215, 7379), (233, 7448), (236, 7472), (Start: 245 @7538 has 1 MA's), (265, 7628), (306, 7793), (324, 7880), (329, 7913), (354, 7979), (374, 8051), (375, 8054), (381, 8078), (399, 8129), (402, 8144), (411, 8183), (416, 8204), (445, 8300), (517, 8537), (535, 8567), (537, 8570),

Gene: Esperer_6 Start: 2420, Stop: 4048, Start Num: 49

Candidate Starts for Esperer_6:

(Start: 39 @2402 has 86 MA's), (Start: 49 @2420 has 10 MA's), (152, 2624), (Start: 169 @2705 has 2 MA's), (201, 2840), (208, 2861), (231, 2948), (240, 3020), (Start: 245 @3044 has 1 MA's), (268, 3143), (286, 3197), (313, 3296), (327, 3356), (378, 3518), (380, 3527), (405, 3617), (411, 3644), (432, 3722), (433, 3725), (445, 3764), (452, 3785), (454, 3791), (458, 3809), (492, 3905), (506, 3965),

Gene: Espica_8 Start: 3156, Stop: 4838, Start Num: 53

Candidate Starts for Espica_8:

(Start: 53 @3156 has 36 MA's), (Start: 143 @3342 has 2 MA's), (161, 3414), (165, 3426), (166, 3450), (170, 3462), (207, 3615), (209, 3630), (227, 3690), (Start: 245 @3798 has 1 MA's), (258, 3855), (304, 4053), (308, 4071), (318, 4125), (356, 4236), (368, 4269), (375, 4311), (384, 4344), (405, 4413), (445, 4557), (458, 4602), (485, 4662), (506, 4761), (517, 4794), (533, 4821), (535, 4824), (537, 4827),

Gene: Espresso_11 Start: 7100, Stop: 8788, Start Num: 51

Candidate Starts for Espresso_11:

(Start: 51 @7100 has 557 MA's), (165, 7364), (166, 7388), (207, 7550), (213, 7583), (233, 7658), (Start: 245 @7748 has 1 MA's), (250, 7772), (258, 7799), (267, 7847), (271, 7865), (287, 7916), (302, 7991), (306, 8003), (316, 8063), (385, 8297), (389, 8309), (402, 8351), (407, 8372), (414, 8399), (445, 8507), (480, 8597), (503, 8702),

Gene: Et2Brutus_11 Start: 8027, Stop: 9790, Start Num: 51

Candidate Starts for Et2Brutus_11:

(Start: 51 @8027 has 557 MA's), (Start: 63 @8048 has 4 MA's), (102, 8135), (136, 8264), (146, 8288), (161, 8351), (194, 8495), (206, 8546), (207, 8549), (233, 8660), (236, 8684), (237, 8687), (Start: 245 @8750 has 1 MA's), (247, 8759), (250, 8774), (278, 8891), (286, 8906), (295, 8966), (313, 9050), (378, 9278), (381, 9290), (399, 9338), (402, 9353), (411, 9392), (416, 9413), (428, 9452), (439, 9497), (445, 9509), (517, 9746), (533, 9773),

Gene: Euphoria_11 Start: 6996, Stop: 8684, Start Num: 51

Candidate Starts for Euphoria_11:

(Start: 51 @6996 has 557 MA's), (165, 7260), (166, 7284), (207, 7446), (213, 7479), (233, 7554), (Start: 245 @7644 has 1 MA's), (250, 7668), (258, 7695), (267, 7743), (287, 7812), (306, 7899), (316, 7959), (382, 8184), (385, 8193), (389, 8205), (402, 8247), (407, 8268), (414, 8295), (445, 8403), (480, 8493), (503, 8598),

Gene: Eurydice_11 Start: 6884, Stop: 8581, Start Num: 51

Candidate Starts for Eurydice_11:

(13, 6707), (17, 6725), (Start: 19 @6755 has 1 MA's), (Start: 51 @6884 has 557 MA's), (Start: 65 @6908 has 1 MA's), (Start: 117 @7031 has 2 MA's), (157, 7121), (165, 7154), (206, 7337), (207, 7340), (215, 7379), (233, 7448), (236, 7472), (Start: 245 @7538 has 1 MA's), (265, 7628), (306, 7793), (324, 7880), (329, 7913), (354, 7979), (374, 8051), (375, 8054), (381, 8078), (399, 8129), (402, 8144), (411, 8183), (416, 8204), (445, 8300), (517, 8537), (535, 8567), (537, 8570),

Gene: EvilGenius_14 Start: 7834, Stop: 9621, Start Num: 51

Candidate Starts for EvilGenius_14:

(Start: 51 @7834 has 557 MA's), (102, 7942), (111, 7963), (136, 8071), (161, 8158), (194, 8302), (206, 8353), (207, 8356), (233, 8464), (Start: 245 @8554 has 1 MA's), (250, 8578), (278, 8695), (286, 8710), (350, 9010), (405, 9196), (411, 9223), (416, 9244), (445, 9340), (517, 9577), (535, 9607),

Gene: Exile_2 Start: 568, Stop: 2271, Start Num: 55

Candidate Starts for Exile_2:

(Start: 55 @568 has 34 MA's), (161, 790), (170, 838), (189, 919), (207, 988), (218, 1036), (238, 1129), (247, 1183), (293, 1393), (445, 1939), (449, 1954), (508, 2194), (513, 2209), (535, 2257),

Gene: Expelliarmus_8 Start: 5669, Stop: 7423, Start Num: 31

Candidate Starts for Expelliarmus_8:

(Start: 31 @5669 has 29 MA's), (45, 5711), (Start: 65 @5750 has 1 MA's), (114, 5858), (175, 6065), (227, 6266), (Start: 245 @6374 has 1 MA's), (274, 6503), (310, 6668), (318, 6701), (356, 6821), (375, 6896), (407, 7007), (411, 7025), (416, 7046), (431, 7100), (445, 7142), (485, 7247), (506, 7346), (517, 7379), (537, 7412), (539, 7418),

Gene: ExplosioNervosa_13 Start: 8157, Stop: 9929, Start Num: 60

Candidate Starts for ExplosioNervosa_13:

(Start: 51 @8142 has 557 MA's), (Start: 60 @8157 has 10 MA's), (Start: 63 @8163 has 4 MA's), (114, 8274), (136, 8373), (175, 8535), (194, 8607), (207, 8661), (215, 8700), (233, 8772), (Start: 245 @8862 has 1 MA's), (250, 8886), (278, 9003), (286, 9018), (307, 9126), (323, 9201), (329, 9237), (343, 9297),

(378, 9417), (384, 9438), (399, 9477), (411, 9531), (412, 9534), (416, 9552), (431, 9606), (439, 9636), (445, 9648), (480, 9738), (486, 9756), (517, 9885), (533, 9912), (535, 9915),

Gene: Eyeball_11 Start: 6743, Stop: 8431, Start Num: 51

Candidate Starts for Eyeball_11:

(Start: 51 @6743 has 557 MA's), (165, 7007), (166, 7031), (207, 7193), (213, 7226), (233, 7301), (Start: 245 @7391 has 1 MA's), (250, 7415), (258, 7442), (267, 7490), (306, 7646), (316, 7706), (382, 7931), (385, 7940), (389, 7952), (402, 7994), (407, 8015), (414, 8042), (445, 8150), (480, 8240), (503, 8345),

Gene: FF47_05 Start: 1775, Stop: 3439, Start Num: 87

Candidate Starts for FF47_05:

(Start: 87 @1775 has 64 MA's), (105, 1814), (114, 1838), (161, 1967), (190, 2099), (192, 2114), (196, 2129), (207, 2174), (217, 2222), (228, 2258), (237, 2315), (240, 2339), (248, 2375), (293, 2573), (299, 2588), (308, 2627), (334, 2774), (375, 2894), (405, 2999), (433, 3107), (442, 3137), (452, 3164), (455, 3176), (472, 3212), (473, 3215), (499, 3308), (510, 3365),

Gene: Fajezeel_13 Start: 7320, Stop: 9008, Start Num: 54

Candidate Starts for Fajezeel_13:

(Start: 54 @7320 has 35 MA's), (139, 7491), (Start: 143 @7500 has 2 MA's), (165, 7584), (167, 7611), (170, 7620), (207, 7770), (213, 7803), (233, 7878), (Start: 245 @7968 has 1 MA's), (250, 7992), (258, 8019), (267, 8067), (306, 8223), (316, 8283), (385, 8517), (402, 8571), (407, 8592), (414, 8619), (445, 8727), (480, 8817), (503, 8922),

Gene: Fameo_12 Start: 7454, Stop: 9241, Start Num: 51

Candidate Starts for Fameo_12:

(Start: 51 @7454 has 557 MA's), (102, 7562), (111, 7583), (136, 7691), (175, 7853), (207, 7976), (233, 8084), (Start: 245 @8174 has 1 MA's), (250, 8198), (278, 8315), (286, 8330), (350, 8630), (405, 8816), (411, 8843), (416, 8864), (445, 8960), (517, 9197), (533, 9224), (535, 9227),

Gene: Farber_13 Start: 6950, Stop: 8650, Start Num: 52

Candidate Starts for Farber_13:

(Start: 52 @6950 has 102 MA's), (71, 6998), (139, 7133), (184, 7325), (207, 7412), (Start: 245 @7610 has 1 MA's), (265, 7700), (284, 7763), (316, 7925), (375, 8123), (381, 8147), (382, 8150), (402, 8213), (407, 8234), (416, 8273), (445, 8369), (461, 8423), (480, 8459), (517, 8606), (535, 8636), (537, 8639),

Gene: Farewell_2 Start: 506, Stop: 2287, Start Num: 51

Candidate Starts for Farewell_2:

(Start: 51 @506 has 557 MA's), (104, 611), (166, 830), (170, 842), (175, 869), (192, 935), (194, 941), (195, 944), (200, 974), (207, 995), (222, 1052), (239, 1154), (247, 1190), (257, 1238), (269, 1298), (290, 1388), (298, 1418), (318, 1472), (333, 1550), (375, 1658), (380, 1679), (384, 1691), (389, 1709), (411, 1808), (420, 1862), (424, 1877), (433, 1919), (445, 1967), (454, 1991), (464, 2027), (481, 2096), (484, 2102), (485, 2108), (498, 2159), (503, 2195), (505, 2201), (508, 2216), (516, 2234), (524, 2249),

Gene: Fascinus_10 Start: 6746, Stop: 8434, Start Num: 51

Candidate Starts for Fascinus_10:

(Start: 51 @6746 has 557 MA's), (Start: 143 @6926 has 2 MA's), (165, 7010), (170, 7046), (175, 7073), (207, 7196), (233, 7304), (Start: 245 @7394 has 1 MA's), (250, 7418), (267, 7493), (287, 7562), (306, 7649), (316, 7709), (382, 7934), (385, 7943), (389, 7955), (402, 7997), (407, 8018), (414, 8045), (445, 8153), (480, 8243), (503, 8348),

Gene: Fayely_13 Start: 8142, Stop: 9929, Start Num: 51

Candidate Starts for Fayely_13:

(Start: 51 @8142 has 557 MA's), (Start: 60 @8157 has 10 MA's), (Start: 63 @8163 has 4 MA's), (114, 8274), (136, 8373), (175, 8535), (194, 8607), (207, 8661), (215, 8700), (233, 8772), (Start: 245 @8862 has 1 MA's), (250, 8886), (278, 9003), (286, 9018), (307, 9126), (323, 9201), (329, 9237), (343, 9297), (378, 9417), (384, 9438), (399, 9477), (411, 9531), (412, 9534), (416, 9552), (431, 9606), (439, 9636), (445, 9648), (480, 9738), (486, 9756), (517, 9885), (533, 9912), (535, 9915),

Gene: Feastonyeet_3 Start: 928, Stop: 2604, Start Num: 87

Candidate Starts for Feastonyeet_3:

(Start: 87 @928 has 64 MA's), (Start: 110 @979 has 1 MA's), (116, 1000), (140, 1045), (152, 1087), (161, 1123), (174, 1189), (196, 1285), (204, 1321), (207, 1330), (208, 1333), (217, 1381), (220, 1393), (238, 1480), (276, 1660), (289, 1714), (328, 1894), (333, 1927), (367, 1993), (376, 2059), (378, 2065), (402, 2149), (425, 2230), (431, 2263), (454, 2332), (485, 2410), (495, 2452), (507, 2509), (512, 2530), (516, 2536), (535, 2590), (537, 2593),

Gene: Fernando_13 Start: 6955, Stop: 8655, Start Num: 52

Candidate Starts for Fernando_13:

(Start: 52 @6955 has 102 MA's), (71, 7003), (139, 7138), (184, 7330), (207, 7417), (214, 7453), (Start: 245 @7615 has 1 MA's), (265, 7705), (284, 7768), (316, 7930), (375, 8128), (381, 8152), (382, 8155), (402, 8218), (407, 8239), (416, 8278), (445, 8374), (461, 8428), (480, 8464), (517, 8611), (535, 8641), (537, 8644),

Gene: Fibonacci_12 Start: 8027, Stop: 9790, Start Num: 51

Candidate Starts for Fibonacci_12:

(Start: 51 @8027 has 557 MA's), (Start: 63 @8048 has 4 MA's), (102, 8135), (136, 8264), (146, 8288), (161, 8351), (194, 8495), (206, 8546), (207, 8549), (233, 8660), (236, 8684), (237, 8687), (Start: 245 @8750 has 1 MA's), (247, 8759), (250, 8774), (278, 8891), (286, 8906), (295, 8966), (313, 9050), (354, 9191), (378, 9278), (381, 9290), (399, 9338), (402, 9353), (411, 9392), (416, 9413), (428, 9452), (439, 9497), (445, 9509), (517, 9746), (533, 9773),

Gene: FiringLine_12 Start: 7386, Stop: 9173, Start Num: 51

Candidate Starts for FiringLine_12:

(Start: 51 @7386 has 557 MA's), (102, 7494), (111, 7515), (136, 7623), (175, 7785), (206, 7905), (207, 7908), (233, 8016), (Start: 245 @8106 has 1 MA's), (250, 8130), (278, 8247), (286, 8262), (350, 8562), (405, 8748), (411, 8775), (416, 8796), (445, 8892), (517, 9129), (533, 9156), (535, 9159),

Gene: First_0012 Start: 7443, Stop: 9233, Start Num: 51

Candidate Starts for First_0012:

(12, 7269), (Start: 51 @7443 has 557 MA's), (102, 7551), (111, 7572), (136, 7680), (206, 7965), (207, 7968), (233, 8076), (Start: 245 @8166 has 1 MA's), (250, 8190), (278, 8307), (286, 8322), (350, 8622), (405, 8808), (411, 8835), (416, 8856), (445, 8952), (517, 9189), (533, 9216), (535, 9219),

Gene: Flare16_12 Start: 7484, Stop: 9271, Start Num: 51

Candidate Starts for Flare16_12:

(10, 7298), (25, 7400), (Start: 51 @7484 has 557 MA's), (102, 7592), (111, 7613), (136, 7721), (207, 8006), (233, 8114), (Start: 245 @8204 has 1 MA's), (250, 8228), (278, 8345), (286, 8360), (375, 8747), (411, 8873), (416, 8894), (439, 8978), (445, 8990), (517, 9227), (533, 9254), (535, 9257), (537, 9260), (538, 9263),

Gene: Flaverint_12 Start: 8024, Stop: 9787, Start Num: 51

Candidate Starts for Flaverint_12:

(21, 7904), (Start: 51 @8024 has 557 MA's), (Start: 63 @8045 has 4 MA's), (102, 8132), (136, 8261), (146, 8285), (161, 8348), (194, 8492), (206, 8543), (207, 8546), (233, 8657), (236, 8681), (237, 8684), (Start: 245 @8747 has 1 MA's), (247, 8756), (250, 8771), (278, 8888), (286, 8903), (295, 8963), (313,

9047), (378, 9275), (381, 9287), (399, 9335), (402, 9350), (411, 9389), (416, 9410), (428, 9449), (439, 9494), (445, 9506), (517, 9743), (533, 9770),

Gene: Floof_2 Start: 634, Stop: 2388, Start Num: 54

Candidate Starts for Floof_2:

(Start: 54 @634 has 35 MA's), (149, 820), (189, 1000), (201, 1051), (207, 1069), (238, 1219), (265, 1351), (311, 1558), (376, 1810), (399, 1888), (402, 1903), (425, 1984), (445, 2059), (449, 2074), (500, 2278), (506, 2299), (508, 2311),

Gene: Floral_2 Start: 485, Stop: 2284, Start Num: 52

Candidate Starts for Floral_2:

(Start: 52 @485 has 102 MA's), (115, 623), (122, 650), (159, 782), (161, 797), (178, 881), (185, 911), (189, 923), (192, 932), (200, 971), (207, 992), (223, 1052), (230, 1076), (239, 1148), (247, 1184), (255, 1220), (275, 1310), (279, 1331), (288, 1376), (289, 1382), (292, 1400), (298, 1415), (357, 1589), (368, 1616), (382, 1685), (384, 1691), (402, 1757), (405, 1769), (411, 1796), (433, 1907), (439, 1943), (445, 1955), (446, 1961), (454, 1979), (461, 2006), (469, 2030), (484, 2093), (492, 2135), (505, 2192), (508, 2207), (514, 2222), (535, 2270), (537, 2273),

Gene: Florean_11 Start: 6884, Stop: 8581, Start Num: 51

Candidate Starts for Florean_11:

(Start: 51 @6884 has 557 MA's), (Start: 65 @6908 has 1 MA's), (Start: 117 @7031 has 2 MA's), (157, 7121), (165, 7154), (184, 7253), (206, 7337), (207, 7340), (215, 7379), (233, 7448), (236, 7472), (Start: 245 @7538 has 1 MA's), (265, 7628), (306, 7793), (324, 7880), (329, 7913), (354, 7979), (374, 8051), (375, 8054), (381, 8078), (399, 8129), (402, 8144), (411, 8183), (416, 8204), (445, 8300), (517, 8537), (535, 8567), (537, 8570),

Gene: Flux_11 Start: 6884, Stop: 8581, Start Num: 51

Candidate Starts for Flux_11:

(Start: 51 @6884 has 557 MA's), (Start: 65 @6908 has 1 MA's), (Start: 117 @7031 has 2 MA's), (157, 7121), (165, 7154), (184, 7253), (206, 7337), (207, 7340), (215, 7379), (233, 7448), (236, 7472), (Start: 245 @7538 has 1 MA's), (265, 7628), (306, 7793), (324, 7880), (329, 7913), (354, 7979), (374, 8051), (375, 8054), (381, 8078), (399, 8129), (402, 8144), (411, 8183), (416, 8204), (445, 8300), (517, 8537), (535, 8567), (537, 8570),

Gene: Footloose_2 Start: 428, Stop: 2197, Start Num: 39

Candidate Starts for Footloose_2:

(23, 362), (24, 371), (Start: 39 @428 has 86 MA's), (92, 542), (115, 596), (120, 614), (126, 629), (131, 650), (Start: 143 @683 has 2 MA's), (148, 701), (152, 719), (161, 755), (162, 758), (184, 866), (192, 893), (196, 908), (197, 914), (201, 935), (207, 953), (231, 1043), (Start: 245 @1139 has 1 MA's), (248, 1151), (253, 1178), (258, 1199), (265, 1238), (280, 1295), (284, 1307), (290, 1346), (297, 1373), (300, 1382), (311, 1403), (315, 1424), (319, 1436), (321, 1445), (355, 1550), (359, 1556), (368, 1580), (378, 1634), (382, 1649), (385, 1658), (387, 1664), (397, 1703), (408, 1745), (412, 1763), (418, 1808), (431, 1865), (441, 1913), (445, 1922), (481, 2021), (485, 2033), (490, 2057), (492, 2069), (503, 2120), (505, 2126), (508, 2141), (514, 2156), (516, 2159), (527, 2189),

Gene: ForGetIt_9 Start: 6005, Stop: 7783, Start Num: 28

Candidate Starts for ForGetIt_9:

(Start: 28 @6005 has 19 MA's), (Start: 31 @6032 has 29 MA's), (58, 6101), (Start: 72 @6140 has 1 MA's), (112, 6215), (114, 6221), (161, 6353), (175, 6428), (176, 6431), (209, 6566), (221, 6605), (227, 6629), (Start: 245 @6737 has 1 MA's), (256, 6782), (271, 6860), (274, 6866), (310, 7031), (318, 7064), (324, 7085), (375, 7259), (381, 7283), (382, 7286), (402, 7346), (405, 7358), (411, 7385), (416, 7406), (439, 7490), (445, 7502), (517, 7739), (537, 7772), (539, 7778),

Gene: Forsytheast_10 Start: 7010, Stop: 8698, Start Num: 51

Candidate Starts for Forsytheast_10:

(Start: 51 @7010 has 557 MA's), (Start: 143 @7190 has 2 MA's), (165, 7274), (170, 7310), (207, 7460), (233, 7568), (Start: 245 @7658 has 1 MA's), (250, 7682), (267, 7757), (287, 7826), (306, 7913), (316, 7973), (385, 8207), (389, 8219), (402, 8261), (407, 8282), (414, 8309), (445, 8417), (480, 8507), (503, 8612),

Gene: Francis47_11 Start: 7247, Stop: 8935, Start Num: 51

Candidate Starts for Francis47_11:

(Start: 51 @7247 has 557 MA's), (165, 7511), (166, 7535), (207, 7697), (213, 7730), (233, 7805), (Start: 245 @7895 has 1 MA's), (250, 7919), (258, 7946), (267, 7994), (306, 8150), (316, 8210), (382, 8435), (385, 8444), (389, 8456), (402, 8498), (407, 8519), (414, 8546), (445, 8654), (480, 8744), (503, 8849),

Gene: Fred313_11 Start: 6199, Stop: 7896, Start Num: 51

Candidate Starts for Fred313_11:

(Start: 51 @6199 has 557 MA's), (86, 6271), (165, 6469), (203, 6643), (207, 6655), (215, 6694), (220, 6706), (233, 6763), (236, 6787), (Start: 245 @6853 has 1 MA's), (247, 6862), (265, 6943), (306, 7108), (318, 7174), (324, 7195), (328, 7219), (329, 7228), (354, 7294), (375, 7369), (381, 7393), (382, 7396), (384, 7402), (387, 7411), (402, 7459), (411, 7498), (416, 7519), (445, 7615), (458, 7660), (461, 7669), (507, 7822), (517, 7852), (535, 7882), (537, 7885),

Gene: Fribs8_5 Start: 1777, Stop: 3477, Start Num: 87

Candidate Starts for Fribs8_5:

(Start: 87 @1777 has 64 MA's), (101, 1807), (116, 1849), (161, 1987), (170, 2035), (176, 2065), (184, 2098), (192, 2134), (196, 2149), (198, 2164), (207, 2194), (217, 2245), (238, 2344), (240, 2365), (257, 2434), (265, 2476), (273, 2506), (308, 2653), (315, 2704), (329, 2767), (333, 2791), (366, 2857), (371, 2890), (373, 2914), (374, 2917), (376, 2926), (382, 2947), (391, 2974), (402, 3019), (405, 3031), (406, 3037), (411, 3058), (422, 3097), (452, 3196), (462, 3232), (494, 3319), (512, 3400), (516, 3406), (535, 3463), (537, 3466),

Gene: Frogopper_12 Start: 6689, Stop: 8377, Start Num: 51

Candidate Starts for Frogopper_12:

(Start: 51 @6689 has 557 MA's), (Start: 143 @6869 has 2 MA's), (165, 6953), (170, 6989), (175, 7016), (207, 7139), (213, 7172), (233, 7247), (Start: 245 @7337 has 1 MA's), (250, 7361), (258, 7388), (267, 7436), (302, 7580), (306, 7592), (316, 7652), (382, 7877), (385, 7886), (389, 7898), (402, 7940), (407, 7961), (414, 7988), (445, 8096), (480, 8186), (503, 8291),

Gene: Funston_11 Start: 6884, Stop: 8581, Start Num: 51

Candidate Starts for Funston_11:

(Start: 51 @6884 has 557 MA's), (Start: 65 @6908 has 1 MA's), (Start: 117 @7031 has 2 MA's), (157, 7121), (165, 7154), (184, 7253), (206, 7337), (207, 7340), (215, 7379), (233, 7448), (236, 7472), (Start: 245 @7538 has 1 MA's), (265, 7628), (306, 7793), (324, 7880), (329, 7913), (354, 7979), (374, 8051), (375, 8054), (381, 8078), (399, 8129), (402, 8144), (411, 8183), (416, 8204), (445, 8300), (517, 8537), (535, 8567), (537, 8570),

Gene: Fushigi_12 Start: 7411, Stop: 9099, Start Num: 54

Candidate Starts for Fushigi_12:

(Start: 54 @7411 has 35 MA's), (Start: 143 @7591 has 2 MA's), (165, 7675), (167, 7702), (170, 7711), (207, 7861), (213, 7894), (233, 7969), (Start: 245 @8059 has 1 MA's), (250, 8083), (258, 8110), (267, 8158), (287, 8227), (306, 8314), (316, 8374), (382, 8599), (385, 8608), (389, 8620), (402, 8662), (407, 8683), (414, 8710), (445, 8818), (480, 8908), (503, 9013),

Gene: GMA4_2 Start: 489, Stop: 2087, Start Num: 68

Candidate Starts for GMA4_2:

(Start: 68 @489 has 1 MA's), (103, 540), (Start: 117 @579 has 2 MA's), (146, 636), (161, 699), (162, 702), (165, 711), (168, 741), (181, 783), (201, 861), (207, 879), (231, 966), (238, 1017), (Start: 245 @1062 has 1 MA's), (247, 1071), (261, 1140), (284, 1218), (289, 1257), (298, 1290), (303, 1311), (324, 1365), (325, 1371), (328, 1389), (332, 1419), (334, 1431), (367, 1491), (376, 1542), (445, 1791), (467, 1860), (486, 1911), (508, 2016),

Gene: GTE2_02 Start: 803, Stop: 2482, Start Num: 87

Candidate Starts for GTE2_02:

(Start: 87 @803 has 64 MA's), (Start: 110 @854 has 1 MA's), (116, 875), (140, 920), (Start: 169 @1046 has 2 MA's), (171, 1055), (174, 1067), (175, 1076), (196, 1163), (204, 1199), (207, 1208), (217, 1259), (238, 1358), (247, 1412), (257, 1448), (289, 1592), (299, 1628), (308, 1667), (312, 1700), (334, 1814), (350, 1838), (376, 1937), (401, 2021), (425, 2108), (452, 2204), (472, 2252), (481, 2276), (494, 2327), (512, 2408), (535, 2468), (537, 2471),

Gene: Gadost_11 Start: 6888, Stop: 8585, Start Num: 51

Candidate Starts for Gadost_11:

(Start: 51 @6888 has 557 MA's), (Start: 65 @6912 has 1 MA's), (Start: 117 @7035 has 2 MA's), (157, 7125), (165, 7158), (184, 7257), (206, 7341), (207, 7344), (215, 7383), (233, 7452), (236, 7476), (Start: 245 @7542 has 1 MA's), (265, 7632), (306, 7797), (324, 7884), (329, 7917), (354, 7983), (374, 8055), (375, 8058), (381, 8082), (399, 8133), (402, 8148), (411, 8187), (416, 8208), (445, 8304), (517, 8541), (535, 8571), (537, 8574),

Gene: GageAP_13 Start: 7736, Stop: 9424, Start Num: 54

Candidate Starts for GageAP_13:

(Start: 54 @7736 has 35 MA's), (Start: 143 @7916 has 2 MA's), (165, 8000), (167, 8027), (170, 8036), (207, 8186), (213, 8219), (233, 8294), (Start: 245 @8384 has 1 MA's), (250, 8408), (258, 8435), (267, 8483), (287, 8552), (306, 8639), (316, 8699), (382, 8924), (385, 8933), (389, 8945), (402, 8987), (407, 9008), (414, 9035), (445, 9143), (480, 9233), (503, 9338),

Gene: Gail_11 Start: 6548, Stop: 8305, Start Num: 51

Candidate Starts for Gail_11:

(Start: 51 @6548 has 557 MA's), (Start: 63 @6569 has 4 MA's), (105, 6656), (114, 6680), (127, 6734), (130, 6746), (131, 6755), (136, 6779), (152, 6830), (206, 7061), (207, 7064), (233, 7175), (236, 7199), (Start: 245 @7265 has 1 MA's), (250, 7289), (265, 7355), (286, 7421), (307, 7529), (323, 7604), (375, 7781), (378, 7793), (381, 7805), (382, 7808), (384, 7814), (402, 7868), (416, 7928), (445, 8024), (467, 8093), (517, 8261), (533, 8288),

Gene: Gandalf20_12 Start: 7804, Stop: 9492, Start Num: 51

Candidate Starts for Gandalf20_12:

(Start: 51 @7804 has 557 MA's), (Start: 143 @7984 has 2 MA's), (165, 8068), (170, 8104), (175, 8131), (207, 8254), (233, 8362), (Start: 245 @8452 has 1 MA's), (250, 8476), (267, 8551), (306, 8707), (316, 8767), (382, 8992), (385, 9001), (389, 9013), (402, 9055), (407, 9076), (414, 9103), (445, 9211), (480, 9301), (503, 9406),

Gene: Garak_16 Start: 7533, Stop: 9287, Start Num: 51

Candidate Starts for Garak_16:

(Start: 51 @7533 has 557 MA's), (114, 7665), (136, 7764), (146, 7788), (152, 7815), (161, 7851), (175, 7926), (207, 8049), (209, 8064), (215, 8088), (233, 8157), (236, 8181), (237, 8184), (Start: 245 @8247 has 1 MA's), (250, 8271), (284, 8400), (286, 8403), (308, 8514), (348, 8676), (375, 8763), (378, 8775), (381, 8787), (399, 8835), (402, 8850), (411, 8889), (416, 8910), (439, 8994), (445, 9006), (517, 9243), (533, 9270), (535, 9273),

Gene: GardenState_2 Start: 501, Stop: 2183, Start Num: 54

Candidate Starts for GardenState_2:

(Start: 54 @501 has 35 MA's), (93, 555), (175, 798), (189, 852), (207, 921), (213, 957), (293, 1317), (445, 1857), (508, 2109),

Gene: Gattaca_34 Start: 10300, Stop: 12042, Start Num: 87

Candidate Starts for Gattaca_34:

(Start: 87 @10300 has 64 MA's), (139, 10417), (152, 10462), (160, 10528), (162, 10543), (166, 10576), (167, 10579), (171, 10594), (176, 10618), (177, 10621), (184, 10651), (190, 10672), (192, 10690), (195, 10699), (202, 10735), (207, 10750), (217, 10795), (231, 10837), (235, 10876), (238, 10888), (240, 10909), (251, 10960), (258, 10981), (312, 11203), (333, 11308), (334, 11317), (356, 11350), (367, 11371), (368, 11374), (371, 11401), (375, 11431), (378, 11443), (382, 11458), (385, 11467), (387, 11473), (397, 11515), (400, 11524), (403, 11539), (407, 11554), (425, 11614), (431, 11653), (441, 11686), (452, 11716), (453, 11719), (471, 11803), (485, 11857), (488, 11872), (495, 11899), (506, 11953), (533, 12025), (535, 12028),

Gene: GaugeLDP_14 Start: 8787, Stop: 10547, Start Num: 51

Candidate Starts for GaugeLDP_14:

(Start: 51 @8787 has 557 MA's), (102, 8895), (111, 8916), (132, 9006), (136, 9024), (206, 9306), (207, 9309), (215, 9348), (233, 9417), (Start: 245 @9507 has 1 MA's), (250, 9531), (274, 9630), (284, 9660), (286, 9663), (354, 9948), (375, 10023), (378, 10035), (381, 10047), (405, 10122), (412, 10152), (416, 10170), (439, 10254), (445, 10266), (467, 10335), (517, 10503), (533, 10530), (535, 10533),

Gene: Gemma_13 Start: 7029, Stop: 8729, Start Num: 52

Candidate Starts for Gemma_13:

(Start: 52 @7029 has 102 MA's), (71, 7077), (Start: 110 @7149 has 1 MA's), (139, 7212), (207, 7491), (Start: 245 @7689 has 1 MA's), (265, 7779), (284, 7842), (316, 8004), (375, 8202), (381, 8226), (382, 8229), (402, 8292), (405, 8304), (407, 8313), (411, 8331), (416, 8352), (445, 8448), (461, 8502), (480, 8538), (517, 8685), (535, 8715), (537, 8718),

Gene: George_8 Start: 6161, Stop: 7939, Start Num: 28

Candidate Starts for George_8:

(Start: 28 @6161 has 19 MA's), (Start: 31 @6188 has 29 MA's), (58, 6257), (112, 6371), (114, 6377), (161, 6509), (175, 6584), (176, 6587), (184, 6620), (194, 6653), (221, 6761), (227, 6785), (233, 6818), (Start: 245 @6893 has 1 MA's), (256, 6938), (271, 7016), (274, 7022), (318, 7220), (324, 7241), (375, 7415), (381, 7439), (382, 7442), (402, 7502), (405, 7514), (411, 7541), (416, 7562), (439, 7646), (445, 7658), (517, 7895), (537, 7928), (539, 7934),

Gene: Georgie2_13 Start: 7387, Stop: 9174, Start Num: 51

Candidate Starts for Georgie2_13:

(Start: 51 @7387 has 557 MA's), (102, 7495), (111, 7516), (136, 7624), (175, 7786), (206, 7906), (207, 7909), (233, 8017), (Start: 245 @8107 has 1 MA's), (250, 8131), (278, 8248), (286, 8263), (350, 8563), (405, 8749), (411, 8776), (416, 8797), (445, 8893), (517, 9130), (533, 9157), (535, 9160),

Gene: Ghouboy_9 Start: 6238, Stop: 8016, Start Num: 28

Candidate Starts for Ghouboy_9:

(Start: 28 @6238 has 19 MA's), (Start: 31 @6265 has 29 MA's), (58, 6334), (Start: 72 @6373 has 1 MA's), (112, 6448), (114, 6454), (161, 6586), (175, 6661), (176, 6664), (194, 6730), (221, 6838), (227, 6862), (Start: 245 @6970 has 1 MA's), (256, 7015), (271, 7093), (274, 7099), (275, 7102), (310, 7264), (311, 7270), (318, 7297), (375, 7492), (381, 7516), (402, 7579), (405, 7591), (411, 7618), (416, 7639), (431, 7693), (439, 7723), (445, 7735), (517, 7972), (537, 8005), (539, 8011),

Gene: GiKK_7 Start: 1487, Stop: 3187, Start Num: 85

Candidate Starts for GiKK_7:

(Start: 85 @1487 has 9 MA's), (Start: 110 @1541 has 1 MA's), (116, 1562), (125, 1589), (156, 1664), (161, 1700), (176, 1778), (194, 1853), (198, 1877), (207, 1907), (217, 1958), (238, 2057), (257, 2147), (276, 2237), (289, 2291), (308, 2366), (329, 2480), (333, 2504), (365, 2564), (367, 2570), (376, 2636), (378, 2642), (402, 2726), (407, 2747), (425, 2807), (426, 2813), (433, 2846), (477, 2969), (486, 2990), (505, 3080), (506, 3083), (516, 3113), (535, 3173), (537, 3176),

Gene: Gibbous_4 Start: 1229, Stop: 2923, Start Num: 87

Candidate Starts for Gibbous_4:

(Start: 87 @1229 has 64 MA's), (101, 1259), (114, 1292), (116, 1301), (161, 1439), (196, 1601), (198, 1616), (207, 1646), (210, 1667), (217, 1697), (233, 1766), (235, 1784), (238, 1796), (240, 1817), (257, 1886), (265, 1928), (308, 2105), (315, 2156), (329, 2219), (333, 2243), (350, 2276), (366, 2309), (376, 2378), (397, 2453), (400, 2462), (402, 2471), (405, 2483), (406, 2489), (411, 2510), (452, 2648), (494, 2771), (512, 2852), (535, 2909), (537, 2912),

Gene: Gilberta_12 Start: 8021, Stop: 9784, Start Num: 51

Candidate Starts for Gilberta_12:

(Start: 51 @8021 has 557 MA's), (Start: 63 @8042 has 4 MA's), (102, 8129), (136, 8258), (146, 8282), (161, 8345), (194, 8489), (206, 8540), (207, 8543), (233, 8654), (236, 8678), (237, 8681), (Start: 245 @8744 has 1 MA's), (247, 8753), (250, 8768), (278, 8885), (286, 8900), (295, 8960), (313, 9044), (378, 9272), (381, 9284), (399, 9332), (402, 9347), (411, 9386), (416, 9407), (428, 9446), (439, 9491), (445, 9503), (517, 9740), (533, 9767),

Gene: GingkoMaracino_13 Start: 6843, Stop: 8543, Start Num: 52

Candidate Starts for GingkoMaracino_13:

(Start: 52 @6843 has 102 MA's), (71, 6891), (Start: 110 @6963 has 1 MA's), (139, 7026), (184, 7218), (207, 7305), (Start: 245 @7503 has 1 MA's), (265, 7593), (284, 7656), (316, 7818), (375, 8016), (381, 8040), (382, 8043), (402, 8106), (407, 8127), (416, 8166), (445, 8262), (461, 8316), (480, 8352), (517, 8499), (535, 8529), (537, 8532),

Gene: GirlDinner_7 Start: 2186, Stop: 3832, Start Num: 39

Candidate Starts for GirlDinner_7:

(Start: 39 @2186 has 86 MA's), (159, 2429), (161, 2444), (165, 2456), (192, 2582), (201, 2624), (203, 2630), (208, 2645), (231, 2732), (240, 2804), (Start: 245 @2828 has 1 MA's), (268, 2927), (276, 2963), (286, 2981), (319, 3104), (327, 3140), (378, 3302), (380, 3311), (399, 3374), (411, 3428), (433, 3509), (445, 3548), (452, 3569), (458, 3593), (505, 3746), (506, 3749),

Gene: Giroux_11 Start: 6496, Stop: 8193, Start Num: 51

Candidate Starts for Giroux_11:

(Start: 51 @6496 has 557 MA's), (Start: 65 @6520 has 1 MA's), (86, 6568), (165, 6766), (175, 6829), (203, 6940), (207, 6952), (215, 6991), (220, 7003), (233, 7060), (236, 7084), (Start: 245 @7150 has 1 MA's), (247, 7159), (265, 7240), (271, 7267), (306, 7405), (324, 7492), (329, 7525), (354, 7591), (375, 7666), (381, 7690), (382, 7693), (384, 7699), (387, 7708), (399, 7741), (402, 7756), (416, 7816), (445, 7912), (458, 7957), (461, 7966), (507, 8119), (517, 8149), (535, 8179), (537, 8182),

Gene: Gladiator_15 Start: 7507, Stop: 9261, Start Num: 51

Candidate Starts for Gladiator_15:

(Start: 51 @7507 has 557 MA's), (114, 7639), (136, 7738), (146, 7762), (152, 7789), (161, 7825), (175, 7900), (207, 8023), (209, 8038), (215, 8062), (233, 8131), (236, 8155), (237, 8158), (Start: 245 @8221 has 1 MA's), (250, 8245), (284, 8374), (286, 8377), (308, 8488), (348, 8650), (375, 8737), (378, 8749), (381, 8761), (399, 8809), (402, 8824), (416, 8884), (439, 8968), (445, 8980), (517, 9217), (533, 9244), (535, 9247),

Gene: Goby_6 Start: 2377, Stop: 4023, Start Num: 39

Candidate Starts for Goby_6:

(Start: 39 @2377 has 86 MA's), (Start: 49 @2395 has 10 MA's), (152, 2599), (161, 2635), (201, 2815), (208, 2836), (231, 2923), (240, 2995), (Start: 245 @3019 has 1 MA's), (268, 3118), (271, 3133), (278, 3157), (281, 3163), (327, 3331), (338, 3391), (375, 3481), (380, 3502), (405, 3592), (416, 3640), (445, 3739), (452, 3760), (454, 3766), (458, 3784), (506, 3940),

Gene: Godpower_7 Start: 2380, Stop: 4026, Start Num: 39

Candidate Starts for Godpower_7:

(Start: 39 @2380 has 86 MA's), (Start: 49 @2398 has 10 MA's), (152, 2602), (161, 2638), (201, 2818), (208, 2839), (231, 2926), (240, 2998), (Start: 245 @3022 has 1 MA's), (268, 3121), (271, 3136), (278, 3160), (281, 3166), (327, 3334), (375, 3484), (380, 3505), (405, 3595), (433, 3703), (445, 3742), (452, 3763), (454, 3769), (458, 3787), (506, 3943),

Gene: GoldHunter_5 Start: 1113, Stop: 2792, Start Num: 87

Candidate Starts for GoldHunter_5:

(Start: 87 @1113 has 64 MA's), (Start: 110 @1164 has 1 MA's), (116, 1185), (Start: 117 @1188 has 2 MA's), (140, 1230), (161, 1311), (174, 1377), (175, 1386), (192, 1458), (196, 1473), (204, 1509), (207, 1518), (217, 1569), (238, 1668), (247, 1722), (257, 1758), (289, 1902), (299, 1938), (308, 1977), (312, 2010), (324, 2058), (329, 2091), (333, 2115), (350, 2148), (367, 2181), (374, 2238), (376, 2247), (401, 2331), (425, 2418), (452, 2514), (481, 2586), (485, 2598), (512, 2718), (535, 2778), (537, 2781),

Gene: Gollum_8 Start: 3156, Stop: 4838, Start Num: 53

Candidate Starts for Gollum_8:

(Start: 53 @3156 has 36 MA's), (Start: 143 @3342 has 2 MA's), (161, 3414), (165, 3426), (166, 3450), (170, 3462), (207, 3615), (209, 3630), (227, 3690), (Start: 245 @3798 has 1 MA's), (258, 3855), (304, 4053), (308, 4071), (318, 4125), (368, 4269), (375, 4311), (384, 4344), (405, 4413), (445, 4557), (458, 4602), (485, 4662), (506, 4761), (517, 4794), (533, 4821), (535, 4824), (537, 4827),

Gene: Gompeii16_11 Start: 7207, Stop: 8895, Start Num: 51

Candidate Starts for Gompeii16_11:

(Start: 51 @7207 has 557 MA's), (165, 7471), (166, 7495), (207, 7657), (213, 7690), (233, 7765), (Start: 245 @7855 has 1 MA's), (250, 7879), (258, 7906), (267, 7954), (306, 8110), (316, 8170), (382, 8395), (385, 8404), (389, 8416), (402, 8458), (407, 8479), (414, 8506), (445, 8614), (480, 8704), (503, 8809),

Gene: Goose_11 Start: 6707, Stop: 8380, Start Num: 51

Candidate Starts for Goose_11:

(Start: 51 @6707 has 557 MA's), (Start: 117 @6836 has 2 MA's), (148, 6902), (165, 6968), (172, 7013), (184, 7067), (196, 7109), (207, 7154), (215, 7193), (231, 7241), (233, 7262), (236, 7286), (Start: 245 @7337 has 1 MA's), (274, 7460), (289, 7529), (309, 7607), (320, 7667), (329, 7712), (354, 7778), (374, 7850), (375, 7853), (381, 7877), (402, 7943), (411, 7982), (412, 7985), (416, 8003), (445, 8099), (467, 8168), (517, 8336), (535, 8366), (537, 8369),

Gene: Graduation_13 Start: 7769, Stop: 9457, Start Num: 51

Candidate Starts for Graduation_13:

(Start: 51 @7769 has 557 MA's), (165, 8033), (166, 8057), (207, 8219), (213, 8252), (233, 8327), (Start: 245 @8417 has 1 MA's), (250, 8441), (267, 8516), (306, 8672), (307, 8681), (315, 8729), (316, 8732), (382, 8957), (385, 8966), (389, 8978), (402, 9020), (407, 9041), (414, 9068), (445, 9176), (480, 9266), (503, 9371),

Gene: GrecoEtereo_12 Start: 7307, Stop: 8995, Start Num: 51

Candidate Starts for GrecoEtereo_12:

(Start: 51 @7307 has 557 MA's), (165, 7571), (166, 7595), (207, 7757), (213, 7790), (233, 7865), (Start: 245 @7955 has 1 MA's), (250, 7979), (258, 8006), (267, 8054), (287, 8123), (306, 8210), (316, 8270), (385, 8504), (402, 8558), (407, 8579), (414, 8606), (445, 8714), (480, 8804), (503, 8909),

Gene: GreedyLawyer_15 Start: 7533, Stop: 9287, Start Num: 51

Candidate Starts for GreedyLawyer_15:

(Start: 51 @7533 has 557 MA's), (136, 7764), (152, 7815), (161, 7851), (175, 7926), (207, 8049), (215, 8088), (233, 8157), (236, 8181), (237, 8184), (Start: 245 @8247 has 1 MA's), (250, 8271), (274, 8370), (275, 8373), (284, 8400), (286, 8403), (354, 8688), (378, 8775), (381, 8787), (402, 8850), (411, 8889), (416, 8910), (439, 8994), (445, 9006), (517, 9243), (533, 9270), (535, 9273),

Gene: GreenWeasel_8 Start: 3065, Stop: 4069, Start Num: 245

Candidate Starts for GreenWeasel_8:

(237, 3017), (240, 3041), (Start: 245 @3065 has 1 MA's), (265, 3152), (268, 3164), (286, 3218), (290, 3254), (296, 3278), (319, 3341), (327, 3377), (368, 3485), (378, 3539), (380, 3548), (384, 3560), (399, 3611), (405, 3638), (433, 3746), (445, 3785), (454, 3812), (458, 3830), (481, 3878), (500, 3965), (506, 3986), (539, 4064),

Gene: Greg_13 Start: 7320, Stop: 9008, Start Num: 54

Candidate Starts for Greg_13:

(Start: 54 @7320 has 35 MA's), (139, 7491), (Start: 143 @7500 has 2 MA's), (165, 7584), (167, 7611), (170, 7620), (207, 7770), (213, 7803), (233, 7878), (Start: 245 @7968 has 1 MA's), (250, 7992), (258, 8019), (267, 8067), (306, 8223), (316, 8283), (385, 8517), (402, 8571), (407, 8592), (414, 8619), (445, 8727), (480, 8817), (503, 8922),

Gene: Gretchen_2 Start: 640, Stop: 2388, Start Num: 54

Candidate Starts for Gretchen_2:

(Start: 54 @640 has 35 MA's), (67, 658), (189, 1000), (201, 1051), (207, 1069), (229, 1162), (238, 1219), (330, 1642), (375, 1804), (376, 1810), (425, 1984), (445, 2059), (449, 2074), (475, 2155), (500, 2278), (506, 2299), (508, 2311),

Gene: Grif_13 Start: 7040, Stop: 8740, Start Num: 52

Candidate Starts for Grif_13:

(Start: 52 @7040 has 102 MA's), (71, 7088), (139, 7223), (184, 7415), (207, 7502), (Start: 245 @7700 has 1 MA's), (265, 7790), (284, 7853), (316, 8015), (375, 8213), (381, 8237), (382, 8240), (402, 8303), (407, 8324), (416, 8363), (445, 8459), (461, 8513), (480, 8549), (517, 8696), (535, 8726), (537, 8729),

Gene: Groundhog_8 Start: 5670, Stop: 7424, Start Num: 31

Candidate Starts for Groundhog_8:

(Start: 31 @5670 has 29 MA's), (45, 5712), (Start: 65 @5751 has 1 MA's), (114, 5859), (175, 6066), (227, 6267), (Start: 245 @6375 has 1 MA's), (274, 6504), (310, 6669), (318, 6702), (356, 6822), (375, 6897), (407, 7008), (411, 7026), (416, 7047), (431, 7101), (445, 7143), (485, 7248), (506, 7347), (517, 7380), (537, 7413), (539, 7419),

Gene: Groupthink_14 Start: 7029, Stop: 8729, Start Num: 52

Candidate Starts for Groupthink_14:

(Start: 52 @7029 has 102 MA's), (71, 7077), (Start: 110 @7149 has 1 MA's), (139, 7212), (207, 7491), (Start: 245 @7689 has 1 MA's), (265, 7779), (284, 7842), (316, 8004), (375, 8202), (381, 8226), (382, 8229), (402, 8292), (405, 8304), (407, 8313), (411, 8331), (416, 8352), (445, 8448), (461, 8502), (480, 8538), (517, 8685), (535, 8715), (537, 8718),

Gene: Grub_13 Start: 6949, Stop: 8649, Start Num: 52

Candidate Starts for Grub_13:

(Start: 52 @6949 has 102 MA's), (71, 6997), (139, 7132), (184, 7324), (207, 7411), (Start: 245 @7609 has 1 MA's), (265, 7699), (284, 7762), (316, 7924), (375, 8122), (381, 8146), (382, 8149), (402, 8212), (407, 8233), (416, 8272), (445, 8368), (461, 8422), (480, 8458), (517, 8605), (535, 8635), (537, 8638),

Gene: Grum1_13 Start: 6950, Stop: 8650, Start Num: 52

Candidate Starts for Grum1_13:

(Start: 52 @6950 has 102 MA's), (71, 6998), (139, 7133), (184, 7325), (207, 7412), (Start: 245 @7610 has 1 MA's), (265, 7700), (284, 7763), (316, 7925), (375, 8123), (381, 8147), (382, 8150), (402, 8213), (407, 8234), (416, 8273), (445, 8369), (461, 8423), (480, 8459), (517, 8606), (535, 8636), (537, 8639),

Gene: Gruunaga_15 Start: 7507, Stop: 9261, Start Num: 51

Candidate Starts for Gruunaga_15:

(Start: 51 @7507 has 557 MA's), (114, 7639), (136, 7738), (146, 7762), (152, 7789), (161, 7825), (175, 7900), (207, 8023), (209, 8038), (215, 8062), (233, 8131), (236, 8155), (237, 8158), (Start: 245 @8221 has 1 MA's), (250, 8245), (284, 8374), (286, 8377), (308, 8488), (348, 8650), (375, 8737), (378, 8749), (381, 8761), (399, 8809), (402, 8824), (416, 8884), (439, 8968), (445, 8980), (517, 9217), (533, 9244), (535, 9247),

Gene: GtownJaz_13 Start: 6958, Stop: 8658, Start Num: 52

Candidate Starts for GtownJaz_13:

(Start: 52 @6958 has 102 MA's), (71, 7006), (139, 7141), (184, 7333), (207, 7420), (Start: 245 @7618 has 1 MA's), (265, 7708), (284, 7771), (316, 7933), (375, 8131), (381, 8155), (382, 8158), (402, 8221), (407, 8242), (416, 8281), (445, 8377), (461, 8431), (480, 8467), (517, 8614), (535, 8644), (537, 8647),

Gene: Gwendoluna_13 Start: 8188, Stop: 9876, Start Num: 51

Candidate Starts for Gwendoluna_13:

(Start: 51 @8188 has 557 MA's), (165, 8452), (166, 8476), (207, 8638), (213, 8671), (Start: 245 @8836 has 1 MA's), (250, 8860), (258, 8887), (267, 8935), (306, 9091), (316, 9151), (385, 9385), (389, 9397), (402, 9439), (407, 9460), (414, 9487), (445, 9595), (480, 9685), (503, 9790),

Gene: Gyzlar_13 Start: 7950, Stop: 9638, Start Num: 54

Candidate Starts for Gyzlar_13:

(Start: 54 @7950 has 35 MA's), (Start: 143 @8130 has 2 MA's), (165, 8214), (167, 8241), (170, 8250), (207, 8400), (213, 8433), (233, 8508), (Start: 245 @8598 has 1 MA's), (250, 8622), (258, 8649), (267, 8697), (306, 8853), (316, 8913), (385, 9147), (389, 9159), (402, 9201), (407, 9222), (414, 9249), (445, 9357), (480, 9447), (503, 9552),

Gene: HINdeR_11 Start: 8169, Stop: 9863, Start Num: 51

Candidate Starts for HINdeR_11:

(Start: 51 @8169 has 557 MA's), (79, 8229), (152, 8388), (165, 8436), (175, 8499), (184, 8535), (194, 8568), (203, 8610), (206, 8619), (207, 8622), (209, 8637), (215, 8661), (233, 8730), (Start: 245 @8820 has 1 MA's), (247, 8829), (286, 8976), (306, 9075), (315, 9132), (324, 9162), (329, 9195), (348, 9249), (354, 9261), (362, 9270), (374, 9333), (375, 9336), (381, 9360), (404, 9435), (405, 9438), (416, 9486), (445, 9582), (507, 9789), (517, 9819), (535, 9849),

Gene: Haizum_6 Start: 2173, Stop: 3822, Start Num: 39

Candidate Starts for Haizum_6:

(Start: 39 @2173 has 86 MA's), (105, 2290), (146, 2371), (152, 2398), (165, 2446), (Start: 169 @2479 has 2 MA's), (174, 2500), (196, 2587), (201, 2614), (208, 2635), (219, 2680), (231, 2722), (240, 2794), (Start: 245 @2818 has 1 MA's), (268, 2917), (276, 2953), (286, 2971), (318, 3091), (319, 3094), (327, 3130), (345, 3211), (380, 3301), (384, 3313), (399, 3364), (411, 3418), (445, 3538), (452, 3559), (457, 3580), (458, 3583), (485, 3643), (506, 3739), (507, 3742), (539, 3817),

Gene: HamSlice_10 Start: 6885, Stop: 8582, Start Num: 51

Candidate Starts for HamSlice_10:

(Start: 51 @6885 has 557 MA's), (Start: 65 @6909 has 1 MA's), (Start: 117 @7032 has 2 MA's), (157, 7122), (165, 7155), (184, 7254), (206, 7338), (207, 7341), (215, 7380), (233, 7449), (236, 7473), (Start: 245 @7539 has 1 MA's), (265, 7629), (306, 7794), (324, 7881), (329, 7914), (354, 7980), (374, 8052), (375, 8055), (381, 8079), (399, 8130), (402, 8145), (411, 8184), (416, 8205), (445, 8301), (517, 8538), (535, 8568), (537, 8571),

Gene: Hami1_13 Start: 7391, Stop: 9079, Start Num: 51

Candidate Starts for Hami1_13:

(Start: 51 @7391 has 557 MA's), (Start: 143 @7571 has 2 MA's), (165, 7655), (170, 7691), (207, 7841), (233, 7949), (Start: 245 @8039 has 1 MA's), (250, 8063), (267, 8138), (287, 8207), (306, 8294), (316, 8354), (382, 8579), (385, 8588), (389, 8600), (402, 8642), (407, 8663), (414, 8690), (445, 8798), (480, 8888), (503, 8993),

Gene: Hammer_15 Start: 7507, Stop: 9261, Start Num: 51

Candidate Starts for Hammer_15:

(Start: 51 @7507 has 557 MA's), (114, 7639), (136, 7738), (146, 7762), (152, 7789), (161, 7825), (175, 7900), (207, 8023), (209, 8038), (215, 8062), (233, 8131), (236, 8155), (237, 8158), (Start: 245 @8221 has 1 MA's), (250, 8245), (284, 8374), (286, 8377), (308, 8488), (348, 8650), (375, 8737), (378, 8749), (381, 8761), (399, 8809), (402, 8824), (411, 8863), (416, 8884), (439, 8968), (445, 8980), (517, 9217), (533, 9244), (535, 9247),

Gene: HanShotFirst_11 Start: 6611, Stop: 8299, Start Num: 51

Candidate Starts for HanShotFirst_11:

(Start: 51 @6611 has 557 MA's), (Start: 143 @6791 has 2 MA's), (165, 6875), (170, 6911), (175, 6938), (207, 7061), (213, 7094), (233, 7169), (Start: 245 @7259 has 1 MA's), (250, 7283), (258, 7310), (267, 7358), (287, 7427), (306, 7514), (316, 7574), (385, 7808), (389, 7820), (402, 7862), (407, 7883), (414, 7910), (445, 8018), (480, 8108), (503, 8213),

Gene: Hank144_7 Start: 2471, Stop: 4117, Start Num: 39

Candidate Starts for Hank144_7:

(Start: 39 @2471 has 86 MA's), (Start: 117 @2621 has 2 MA's), (165, 2741), (166, 2765), (Start: 169 @2774 has 2 MA's), (185, 2846), (201, 2909), (208, 2930), (219, 2975), (231, 3017), (240, 3089), (Start: 245 @3113 has 1 MA's), (268, 3212), (286, 3266), (327, 3425), (375, 3575), (380, 3596), (405, 3686), (409, 3704), (433, 3794), (445, 3833), (452, 3854), (454, 3860), (458, 3878), (506, 4034), (539, 4112),

Gene: Happiness_11 Start: 6889, Stop: 8586, Start Num: 51

Candidate Starts for Happiness_11:

(Start: 51 @6889 has 557 MA's), (Start: 65 @6913 has 1 MA's), (Start: 117 @7036 has 2 MA's), (157, 7126), (165, 7159), (184, 7258), (206, 7342), (207, 7345), (215, 7384), (233, 7453), (236, 7477), (Start: 245 @7543 has 1 MA's), (265, 7633), (306, 7798), (324, 7885), (329, 7918), (354, 7984), (374, 8056), (375, 8059), (381, 8083), (399, 8134), (402, 8149), (411, 8188), (416, 8209), (445, 8305), (517, 8542), (535, 8572), (537, 8575),

Gene: Harlequin_8 Start: 3156, Stop: 4838, Start Num: 53

Candidate Starts for Harlequin_8:

(Start: 53 @3156 has 36 MA's), (Start: 143 @3342 has 2 MA's), (161, 3414), (165, 3426), (166, 3450), (170, 3462), (209, 3630), (227, 3690), (Start: 245 @3798 has 1 MA's), (304, 4053), (318, 4125), (368, 4269), (375, 4311), (384, 4344), (405, 4413), (445, 4557), (458, 4602), (485, 4662), (517, 4794), (533, 4821), (535, 4824), (537, 4827),

Gene: HarryHoudini_14 Start: 7940, Stop: 9727, Start Num: 51

Candidate Starts for HarryHoudini_14:

(10, 7754), (25, 7856), (Start: 51 @7940 has 557 MA's), (102, 8048), (111, 8069), (136, 8177), (207, 8462), (233, 8570), (Start: 245 @8660 has 1 MA's), (250, 8684), (278, 8801), (286, 8816), (375, 9203), (411, 9329), (416, 9350), (439, 9434), (445, 9446), (517, 9683), (533, 9710), (535, 9713), (537, 9716), (538, 9719),

Gene: HarryOW_12 Start: 7307, Stop: 8995, Start Num: 51

Candidate Starts for HarryOW_12:

(Start: 51 @7307 has 557 MA's), (165, 7571), (166, 7595), (207, 7757), (213, 7790), (233, 7865), (Start: 245 @7955 has 1 MA's), (250, 7979), (258, 8006), (267, 8054), (302, 8198), (306, 8210), (316, 8270), (385, 8504), (389, 8516), (402, 8558), (407, 8579), (414, 8606), (445, 8714), (480, 8804), (503, 8909),

Gene: HashRod_14 Start: 7041, Stop: 8741, Start Num: 52

Candidate Starts for HashRod_14:

(Start: 52 @7041 has 102 MA's), (71, 7089), (139, 7224), (184, 7416), (207, 7503), (Start: 245 @7701 has 1 MA's), (265, 7791), (284, 7854), (316, 8016), (375, 8214), (381, 8238), (382, 8241), (402, 8304), (407, 8325), (416, 8364), (445, 8460), (461, 8514), (480, 8550), (517, 8697), (535, 8727), (537, 8730),

Gene: HaveUMetTed_14 Start: 7029, Stop: 8729, Start Num: 52

Candidate Starts for HaveUMetTed_14:

(Start: 52 @7029 has 102 MA's), (71, 7077), (Start: 110 @7149 has 1 MA's), (139, 7212), (207, 7491), (Start: 245 @7689 has 1 MA's), (265, 7779), (284, 7842), (316, 8004), (375, 8202), (381, 8226), (382, 8229), (402, 8292), (405, 8304), (407, 8313), (411, 8331), (416, 8352), (445, 8448), (461, 8502), (480, 8538), (517, 8685), (535, 8715), (537, 8718),

Gene: Heathen_11 Start: 6297, Stop: 7994, Start Num: 51

Candidate Starts for Heathen_11:

(Start: 51 @6297 has 557 MA's), (86, 6369), (165, 6567), (203, 6741), (207, 6753), (215, 6792), (220, 6804), (233, 6861), (236, 6885), (Start: 245 @6951 has 1 MA's), (247, 6960), (265, 7041), (271, 7068), (306, 7206), (318, 7272), (324, 7293), (328, 7317), (329, 7326), (354, 7392), (375, 7467), (381, 7491), (382, 7494), (384, 7500), (387, 7509), (402, 7557), (416, 7617), (445, 7713), (458, 7758), (461, 7767), (507, 7920), (517, 7950), (535, 7980), (537, 7983),

Gene: Heffalump_14 Start: 9253, Stop: 11040, Start Num: 51

Candidate Starts for Heffalump_14:

(Start: 51 @9253 has 557 MA's), (102, 9361), (111, 9382), (136, 9490), (175, 9652), (207, 9775), (233, 9883), (Start: 245 @9973 has 1 MA's), (250, 9997), (278, 10114), (286, 10129), (350, 10429), (405, 10615), (411, 10642), (416, 10663), (445, 10759), (517, 10996), (533, 11023), (535, 11026),

Gene: HelDan_11 Start: 6549, Stop: 8246, Start Num: 51

Candidate Starts for HelDan_11:

(Start: 51 @6549 has 557 MA's), (86, 6621), (165, 6819), (203, 6993), (207, 7005), (215, 7044), (220, 7056), (233, 7113), (236, 7137), (Start: 245 @7203 has 1 MA's), (247, 7212), (265, 7293), (271, 7320), (306, 7458), (318, 7524), (324, 7545), (329, 7578), (354, 7644), (375, 7719), (381, 7743), (382, 7746), (384, 7752), (387, 7761), (402, 7809), (416, 7869), (445, 7965), (458, 8010), (461, 8019), (507, 8172), (517, 8202), (535, 8232), (537, 8235),

Gene: Heliosoles_13 Start: 7029, Stop: 8729, Start Num: 52

Candidate Starts for Heliosoles_13:

(Start: 52 @7029 has 102 MA's), (71, 7077), (Start: 110 @7149 has 1 MA's), (139, 7212), (207, 7491), (Start: 245 @7689 has 1 MA's), (265, 7779), (284, 7842), (316, 8004), (375, 8202), (381, 8226), (382, 8229), (402, 8292), (405, 8304), (407, 8313), (411, 8331), (416, 8352), (445, 8448), (461, 8502), (480, 8538), (517, 8685), (535, 8715), (537, 8718),

Gene: Helmet_16 Start: 7533, Stop: 9287, Start Num: 51

Candidate Starts for Helmet_16:

(Start: 51 @7533 has 557 MA's), (114, 7665), (136, 7764), (146, 7788), (152, 7815), (161, 7851), (175, 7926), (207, 8049), (209, 8064), (215, 8088), (233, 8157), (236, 8181), (237, 8184), (Start: 245 @8247 has 1 MA's), (250, 8271), (284, 8400), (286, 8403), (308, 8514), (348, 8676), (375, 8763), (378, 8775), (381, 8787), (399, 8835), (402, 8850), (411, 8889), (416, 8910), (439, 8994), (445, 9006), (517, 9243), (533, 9270), (535, 9273),

Gene: Herbertwm_10 Start: 6311, Stop: 8074, Start Num: 51

Candidate Starts for Herbertwm_10:

(Start: 51 @6311 has 557 MA's), (114, 6443), (136, 6542), (165, 6641), (194, 6773), (207, 6827), (233, 6938), (Start: 245 @7028 has 1 MA's), (250, 7052), (286, 7184), (302, 7277), (354, 7475), (375, 7550), (381, 7574), (402, 7637), (405, 7649), (411, 7676), (445, 7793), (461, 7847), (486, 7901), (517, 8030), (533, 8057), (535, 8060),

Gene: Hercules11_13 Start: 6964, Stop: 8664, Start Num: 52

Candidate Starts for Hercules11_13:

(Start: 52 @6964 has 102 MA's), (71, 7012), (139, 7147), (184, 7339), (207, 7426), (Start: 245 @7624 has 1 MA's), (265, 7714), (284, 7777), (316, 7939), (375, 8137), (381, 8161), (382, 8164), (402, 8227), (407, 8248), (416, 8287), (445, 8383), (461, 8437), (480, 8473), (517, 8620), (535, 8650), (537, 8653),

Gene: Hermia_13 Start: 7751, Stop: 9439, Start Num: 51

Candidate Starts for Hermia_13:

(Start: 51 @7751 has 557 MA's), (Start: 143 @7931 has 2 MA's), (165, 8015), (170, 8051), (175, 8078), (207, 8201), (213, 8234), (233, 8309), (Start: 245 @8399 has 1 MA's), (250, 8423), (258, 8450), (267, 8498), (287, 8567), (302, 8642), (306, 8654), (307, 8663), (316, 8714), (382, 8939), (385, 8948), (389, 8960), (402, 9002), (407, 9023), (414, 9050), (445, 9158), (480, 9248), (503, 9353),

Gene: HermioneGrange_12 Start: 6720, Stop: 8408, Start Num: 51

Candidate Starts for HermioneGrange_12:

(Start: 51 @6720 has 557 MA's), (165, 6984), (166, 7008), (207, 7170), (213, 7203), (233, 7278), (Start: 245 @7368 has 1 MA's), (250, 7392), (258, 7419), (267, 7467), (306, 7623), (316, 7683), (382, 7908), (385, 7917), (389, 7929), (402, 7971), (407, 7992), (414, 8019), (445, 8127), (480, 8217), (503, 8322),

Gene: Hestia_2 Start: 690, Stop: 2330, Start Num: 118

Candidate Starts for Hestia_2:

(80, 597), (Start: 118 @690 has 2 MA's), (119, 693), (152, 783), (155, 807), (162, 843), (163, 846), (174, 906), (184, 1014), (207, 1101), (243, 1278), (252, 1320), (259, 1341), (266, 1377), (310, 1512), (311, 1518), (321, 1557), (333, 1626), (368, 1692), (369, 1704), (377, 1740), (398, 1824), (411, 1881), (421, 1944), (439, 2028), (447, 2052), (461, 2094), (485, 2151), (486, 2154), (488, 2166), (503, 2235), (517, 2277), (528, 2304), (533, 2316),

Gene: Hexamo_15 Start: 7488, Stop: 9242, Start Num: 51

Candidate Starts for Hexamo_15:

(Start: 51 @7488 has 557 MA's), (114, 7620), (136, 7719), (146, 7743), (152, 7770), (161, 7806), (175, 7881), (207, 8004), (209, 8019), (215, 8043), (233, 8112), (236, 8136), (237, 8139), (Start: 245 @8202 has 1 MA's), (250, 8226), (284, 8355), (286, 8358), (308, 8469), (348, 8631), (375, 8718), (378, 8730),

(381, 8742), (399, 8790), (402, 8805), (411, 8844), (416, 8865), (439, 8949), (445, 8961), (517, 9198), (533, 9225), (535, 9228),

Gene: Hexbug_5 Start: 1093, Stop: 2790, Start Num: 85

Candidate Starts for Hexbug_5:

(74, 1066), (Start: 85 @1093 has 9 MA's), (Start: 110 @1147 has 1 MA's), (116, 1168), (125, 1195), (161, 1306), (176, 1384), (196, 1468), (204, 1504), (207, 1513), (208, 1516), (217, 1564), (220, 1576), (238, 1663), (257, 1753), (276, 1843), (289, 1897), (333, 2110), (335, 2125), (339, 2134), (367, 2176), (376, 2242), (378, 2248), (391, 2290), (400, 2323), (402, 2332), (433, 2452), (452, 2509), (457, 2530), (472, 2557), (490, 2617), (505, 2686), (506, 2689), (519, 2734), (535, 2776), (537, 2779),

Gene: Hippo_6 Start: 2376, Stop: 4022, Start Num: 39

Candidate Starts for Hippo_6:

(Start: 39 @2376 has 86 MA's), (Start: 49 @2394 has 10 MA's), (Start: 117 @2526 has 2 MA's), (152, 2598), (161, 2634), (201, 2814), (208, 2835), (219, 2880), (231, 2922), (240, 2994), (Start: 245 @3018 has 1 MA's), (268, 3117), (271, 3132), (278, 3156), (281, 3162), (327, 3330), (375, 3480), (380, 3501), (399, 3564), (405, 3591), (433, 3699), (445, 3738), (452, 3759), (454, 3765), (458, 3783), (492, 3879), (506, 3939), (539, 4017),

Gene: HippoPololi_6 Start: 1863, Stop: 3563, Start Num: 87

Candidate Starts for HippoPololi_6:

(Start: 87 @1863 has 64 MA's), (101, 1893), (116, 1935), (161, 2073), (170, 2121), (176, 2151), (184, 2184), (196, 2235), (198, 2250), (207, 2280), (210, 2301), (217, 2331), (238, 2430), (240, 2451), (257, 2520), (265, 2562), (308, 2739), (315, 2790), (329, 2853), (333, 2877), (366, 2943), (373, 3000), (374, 3003), (376, 3012), (400, 3096), (402, 3105), (405, 3117), (406, 3123), (411, 3144), (422, 3183), (452, 3282), (462, 3318), (494, 3405), (506, 3462), (507, 3465), (512, 3486), (535, 3549), (537, 3552),

Gene: Hiro_8 Start: 3156, Stop: 4838, Start Num: 53

Candidate Starts for Hiro_8:

(Start: 53 @3156 has 36 MA's), (Start: 143 @3342 has 2 MA's), (161, 3414), (165, 3426), (166, 3450), (170, 3462), (209, 3630), (227, 3690), (236, 3747), (237, 3750), (Start: 245 @3798 has 1 MA's), (304, 4053), (308, 4071), (318, 4125), (368, 4269), (375, 4311), (384, 4344), (405, 4413), (445, 4557), (458, 4602), (485, 4662), (506, 4761), (517, 4794), (533, 4821), (535, 4824), (537, 4827),

Gene: Holli_11 Start: 6677, Stop: 8374, Start Num: 51

Candidate Starts for Holli_11:

(Start: 51 @6677 has 557 MA's), (Start: 65 @6701 has 1 MA's), (Start: 117 @6824 has 2 MA's), (157, 6914), (165, 6947), (184, 7046), (206, 7130), (207, 7133), (215, 7172), (233, 7241), (236, 7265), (Start: 245 @7331 has 1 MA's), (265, 7421), (306, 7586), (324, 7673), (329, 7706), (354, 7772), (374, 7844), (375, 7847), (381, 7871), (399, 7922), (402, 7937), (411, 7976), (416, 7997), (445, 8093), (517, 8330), (535, 8360), (537, 8363),

Gene: Homines_11 Start: 7026, Stop: 8714, Start Num: 51

Candidate Starts for Homines_11:

(Start: 51 @7026 has 557 MA's), (Start: 143 @7206 has 2 MA's), (165, 7290), (170, 7326), (175, 7353), (207, 7476), (213, 7509), (233, 7584), (Start: 245 @7674 has 1 MA's), (250, 7698), (258, 7725), (267, 7773), (287, 7842), (306, 7929), (316, 7989), (385, 8223), (389, 8235), (402, 8277), (407, 8298), (414, 8325), (445, 8433), (480, 8523), (503, 8628),

Gene: Honk_2 Start: 655, Stop: 2367, Start Num: 64

Candidate Starts for Honk_2:

(2, 301), (3, 313), (Start: 53 @640 has 36 MA's), (Start: 64 @655 has 1 MA's), (83, 676), (139, 796), (175, 952), (189, 1012), (201, 1063), (207, 1081), (231, 1180), (238, 1231), (288, 1468), (292, 1492),

(347, 1690), (376, 1789), (402, 1882), (411, 1921), (445, 2038), (449, 2053), (467, 2107), (485, 2182), (506, 2278), (508, 2290), (537, 2356),

Gene: Hookmount_12 Start: 7044, Stop: 8741, Start Num: 51

Candidate Starts for Hookmount_12:

(Start: 51 @7044 has 557 MA's), (Start: 65 @7068 has 1 MA's), (165, 7314), (203, 7488), (207, 7500), (215, 7539), (220, 7551), (233, 7608), (236, 7632), (Start: 245 @7698 has 1 MA's), (247, 7707), (265, 7788), (274, 7821), (306, 7953), (308, 7965), (318, 8019), (324, 8040), (329, 8073), (348, 8127), (375, 8214), (381, 8238), (382, 8241), (384, 8247), (387, 8256), (402, 8304), (411, 8343), (412, 8346), (416, 8364), (445, 8460), (461, 8514), (507, 8667), (517, 8697), (535, 8727), (537, 8730),

Gene: Hoot_15 Start: 7512, Stop: 9266, Start Num: 51

Candidate Starts for Hoot_15:

(Start: 51 @7512 has 557 MA's), (136, 7743), (152, 7794), (161, 7830), (175, 7905), (207, 8028), (215, 8067), (233, 8136), (236, 8160), (237, 8163), (Start: 245 @8226 has 1 MA's), (250, 8250), (274, 8349), (275, 8352), (284, 8379), (286, 8382), (354, 8667), (378, 8754), (381, 8766), (402, 8829), (411, 8868), (416, 8889), (439, 8973), (445, 8985), (517, 9222), (533, 9249), (535, 9252),

Gene: Hope4ever_11 Start: 7128, Stop: 8816, Start Num: 51

Candidate Starts for Hope4ever_11:

(Start: 51 @7128 has 557 MA's), (165, 7392), (166, 7416), (207, 7578), (213, 7611), (233, 7686), (Start: 245 @7776 has 1 MA's), (250, 7800), (258, 7827), (267, 7875), (302, 8019), (306, 8031), (316, 8091), (382, 8316), (385, 8325), (389, 8337), (402, 8379), (407, 8400), (414, 8427), (445, 8535), (480, 8625), (503, 8730),

Gene: Horseradish_5 Start: 1017, Stop: 2696, Start Num: 87

Candidate Starts for Horseradish_5:

(Start: 87 @1017 has 64 MA's), (Start: 110 @1068 has 1 MA's), (116, 1089), (138, 1128), (161, 1215), (Start: 169 @1260 has 2 MA's), (174, 1281), (175, 1290), (192, 1362), (204, 1413), (207, 1422), (217, 1473), (238, 1572), (240, 1593), (247, 1626), (257, 1662), (289, 1806), (299, 1842), (308, 1881), (312, 1914), (324, 1962), (333, 2019), (350, 2052), (367, 2085), (376, 2151), (378, 2157), (397, 2223), (401, 2235), (402, 2241), (425, 2322), (452, 2418), (472, 2466), (494, 2541), (512, 2622), (535, 2682), (537, 2685),

Gene: HortumSL17_13 Start: 8109, Stop: 9896, Start Num: 51

Candidate Starts for HortumSL17_13:

(Start: 51 @8109 has 557 MA's), (Start: 60 @8124 has 10 MA's), (Start: 63 @8130 has 4 MA's), (114, 8241), (136, 8340), (175, 8502), (194, 8574), (207, 8628), (215, 8667), (233, 8739), (Start: 245 @8829 has 1 MA's), (250, 8853), (278, 8970), (286, 8985), (307, 9093), (323, 9168), (329, 9204), (343, 9264), (378, 9384), (384, 9405), (399, 9444), (411, 9498), (412, 9501), (416, 9519), (431, 9573), (439, 9603), (445, 9615), (480, 9705), (486, 9723), (517, 9852), (533, 9879), (535, 9882),

Gene: Houdini22_11 Start: 6888, Stop: 8585, Start Num: 51

Candidate Starts for Houdini22_11:

(Start: 51 @6888 has 557 MA's), (Start: 65 @6912 has 1 MA's), (Start: 117 @7035 has 2 MA's), (157, 7125), (165, 7158), (184, 7257), (206, 7341), (207, 7344), (215, 7383), (233, 7452), (236, 7476), (Start: 245 @7542 has 1 MA's), (265, 7632), (306, 7797), (324, 7884), (329, 7917), (354, 7983), (374, 8055), (375, 8058), (381, 8082), (399, 8133), (402, 8148), (411, 8187), (416, 8208), (445, 8304), (517, 8541), (535, 8571), (537, 8574),

Gene: HuhtaEnerson15_9 Start: 6188, Stop: 7939, Start Num: 31

Candidate Starts for HuhtaEnerson15_9:

(Start: 28 @6161 has 19 MA's), (Start: 31 @6188 has 29 MA's), (58, 6257), (112, 6371), (114, 6377), (161, 6509), (175, 6584), (176, 6587), (184, 6620), (194, 6653), (221, 6761), (227, 6785), (233, 6818), (Start: 245 @6893 has 1 MA's), (256, 6938), (271, 7016), (274, 7022), (287, 7067), (318, 7220), (324, 7241), (375, 7415), (381, 7439), (382, 7442), (402, 7502), (405, 7514), (411, 7541), (416, 7562), (439, 7646), (445, 7658), (517, 7895), (537, 7928), (539, 7934),

Gene: Hum25_2 Start: 471, Stop: 2078, Start Num: 80

Candidate Starts for Hum25_2:

(80, 471), (95, 501), (144, 615), (162, 687), (179, 807), (240, 1071), (Start: 245 @1092 has 1 MA's), (250, 1116), (257, 1146), (264, 1182), (265, 1188), (272, 1209), (282, 1239), (285, 1245), (294, 1299), (313, 1347), (318, 1368), (330, 1431), (336, 1467), (361, 1491), (371, 1536), (373, 1554), (378, 1572), (381, 1584), (402, 1659), (411, 1698), (427, 1749), (440, 1800), (443, 1806), (457, 1842), (481, 1878), (482, 1881), (513, 2013), (536, 2061),

Gene: Huphleuff_37 Start: 10925, Stop: 12667, Start Num: 87

Candidate Starts for Huphleuff_37:

(Start: 87 @10925 has 64 MA's), (139, 11042), (152, 11087), (160, 11153), (162, 11168), (166, 11201), (167, 11204), (171, 11219), (176, 11243), (177, 11246), (184, 11276), (190, 11297), (192, 11315), (195, 11324), (202, 11360), (207, 11375), (217, 11420), (231, 11462), (235, 11501), (238, 11513), (240, 11534), (251, 11585), (258, 11606), (312, 11828), (333, 11933), (334, 11942), (356, 11975), (367, 11996), (368, 11999), (371, 12026), (375, 12056), (378, 12068), (382, 12083), (385, 12092), (387, 12098), (397, 12140), (400, 12149), (403, 12164), (407, 12179), (425, 12239), (431, 12278), (441, 12311), (452, 12341), (453, 12344), (471, 12428), (485, 12482), (488, 12497), (495, 12524), (506, 12578), (533, 12650), (535, 12653),

Gene: Hutc2_12 Start: 8027, Stop: 9790, Start Num: 51

Candidate Starts for Hutc2_12:

(Start: 51 @8027 has 557 MA's), (Start: 63 @8048 has 4 MA's), (102, 8135), (136, 8264), (146, 8288), (161, 8351), (194, 8495), (206, 8546), (207, 8549), (233, 8660), (236, 8684), (237, 8687), (Start: 245 @8750 has 1 MA's), (247, 8759), (250, 8774), (278, 8891), (286, 8906), (295, 8966), (313, 9050), (354, 9191), (378, 9278), (381, 9290), (399, 9338), (402, 9353), (411, 9392), (416, 9413), (428, 9452), (439, 9497), (445, 9509), (517, 9746), (533, 9773),

Gene: Hydra_8 Start: 2939, Stop: 4585, Start Num: 39

Candidate Starts for Hydra_8:

(Start: 39 @2939 has 86 MA's), (Start: 49 @2957 has 10 MA's), (152, 3161), (Start: 169 @3242 has 2 MA's), (201, 3377), (208, 3398), (231, 3485), (240, 3557), (Start: 245 @3581 has 1 MA's), (268, 3680), (286, 3734), (313, 3833), (327, 3893), (378, 4055), (380, 4064), (405, 4154), (411, 4181), (432, 4259), (433, 4262), (445, 4301), (452, 4322), (454, 4328), (458, 4346), (492, 4442), (506, 4502),

Gene: IAmGroot_2 Start: 501, Stop: 2183, Start Num: 54

Candidate Starts for IAmGroot_2:

(Start: 54 @501 has 35 MA's), (93, 555), (175, 798), (189, 852), (207, 921), (213, 957), (293, 1317), (445, 1857), (508, 2109),

Gene: ICleared_11 Start: 6884, Stop: 8581, Start Num: 51

Candidate Starts for ICleared_11:

(Start: 51 @6884 has 557 MA's), (Start: 65 @6908 has 1 MA's), (Start: 117 @7031 has 2 MA's), (157, 7121), (165, 7154), (184, 7253), (206, 7337), (207, 7340), (215, 7379), (233, 7448), (236, 7472), (Start: 245 @7538 has 1 MA's), (265, 7628), (306, 7793), (324, 7880), (329, 7913), (354, 7979), (374, 8051), (375, 8054), (381, 8078), (399, 8129), (402, 8144), (411, 8183), (416, 8204), (445, 8300), (517, 8537), (535, 8567), (537, 8570),

Gene: lLeeKay_13 Start: 7180, Stop: 8868, Start Num: 51

Candidate Starts for lLeeKay_13:

(Start: 51 @7180 has 557 MA's), (165, 7444), (166, 7468), (207, 7630), (213, 7663), (233, 7738), (241, 7792), (Start: 245 @7828 has 1 MA's), (250, 7852), (258, 7879), (267, 7927), (287, 7996), (306, 8083), (316, 8143), (385, 8377), (389, 8389), (402, 8431), (407, 8452), (414, 8479), (445, 8587), (480, 8677), (503, 8782),

Gene: lbantik_67 Start: 28527, Stop: 30182, Start Num: 75

Candidate Starts for lbantik_67:

(Start: 75 @28527 has 1 MA's), (77, 28539), (152, 28710), (162, 28749), (191, 28941), (192, 28944), (194, 28950), (200, 28983), (207, 29004), (220, 29058), (233, 29121), (Start: 245 @29196 has 1 MA's), (248, 29208), (258, 29253), (271, 29319), (333, 29544), (425, 29832), (452, 29910), (462, 29946), (481, 29982), (487, 30006), (491, 30021), (501, 30087), (503, 30093), (507, 30105), (525, 30147),

Gene: lbrahim_3 Start: 724, Stop: 2607, Start Num: 39

Candidate Starts for lbrahim_3:

(9, 475), (Start: 39 @724 has 86 MA's), (Start: 75 @805 has 1 MA's), (83, 814), (120, 910), (124, 922), (161, 1054), (195, 1201), (196, 1207), (201, 1234), (207, 1252), (224, 1315), (248, 1450), (290, 1651), (311, 1708), (376, 1927), (394, 1978), (396, 2002), (408, 2053), (434, 2182), (441, 2221), (445, 2230), (460, 2281), (469, 2320), (481, 2407), (485, 2419), (505, 2512), (508, 2527), (509, 2530),

Gene: lceman_11 Start: 6884, Stop: 8581, Start Num: 51

Candidate Starts for lceman_11:

(Start: 51 @6884 has 557 MA's), (Start: 65 @6908 has 1 MA's), (Start: 117 @7031 has 2 MA's), (157, 7121), (165, 7154), (184, 7253), (206, 7337), (207, 7340), (215, 7379), (233, 7448), (236, 7472), (Start: 245 @7538 has 1 MA's), (265, 7628), (306, 7793), (324, 7880), (329, 7913), (354, 7979), (374, 8051), (375, 8054), (381, 8078), (399, 8129), (402, 8144), (411, 8183), (416, 8204), (445, 8300), (517, 8537), (535, 8567), (537, 8570),

Gene: lchabod_12 Start: 7032, Stop: 8720, Start Num: 51

Candidate Starts for lchabod_12:

(Start: 51 @7032 has 557 MA's), (165, 7296), (166, 7320), (207, 7482), (213, 7515), (233, 7590), (Start: 245 @7680 has 1 MA's), (250, 7704), (267, 7779), (287, 7848), (306, 7935), (307, 7944), (316, 7995), (385, 8229), (389, 8241), (402, 8283), (407, 8304), (414, 8331), (445, 8439), (480, 8529), (503, 8634),

Gene: ldeandcovert_11 Start: 6496, Stop: 8193, Start Num: 51

Candidate Starts for ldeandcovert_11:

(Start: 51 @6496 has 557 MA's), (Start: 65 @6520 has 1 MA's), (86, 6568), (165, 6766), (175, 6829), (203, 6940), (207, 6952), (215, 6991), (220, 7003), (233, 7060), (236, 7084), (Start: 245 @7150 has 1 MA's), (247, 7159), (265, 7240), (271, 7267), (306, 7405), (324, 7492), (329, 7525), (354, 7591), (375, 7666), (381, 7690), (382, 7693), (384, 7699), (387, 7708), (399, 7741), (402, 7756), (416, 7816), (445, 7912), (458, 7957), (461, 7966), (507, 8119), (517, 8149), (535, 8179), (537, 8182),

Gene: IgnatiusPatJac_10 Start: 7006, Stop: 8694, Start Num: 51

Candidate Starts for IgnatiusPatJac_10:

(Start: 51 @7006 has 557 MA's), (Start: 143 @7186 has 2 MA's), (165, 7270), (166, 7294), (207, 7456), (213, 7489), (233, 7564), (Start: 245 @7654 has 1 MA's), (250, 7678), (258, 7705), (267, 7753), (306, 7909), (316, 7969), (382, 8194), (385, 8203), (389, 8215), (402, 8257), (407, 8278), (414, 8305), (445, 8413), (480, 8503), (503, 8608),

Gene: Indigo_6 Start: 2402, Stop: 4048, Start Num: 39

Candidate Starts for Indigo_6:

(Start: 39 @2402 has 86 MA's), (Start: 49 @2420 has 10 MA's), (152, 2624), (Start: 169 @2705 has 2 MA's), (201, 2840), (208, 2861), (231, 2948), (240, 3020), (Start: 245 @3044 has 1 MA's), (268, 3143), (286, 3197), (313, 3296), (327, 3356), (378, 3518), (380, 3527), (405, 3617), (411, 3644), (432, 3722), (433, 3725), (445, 3764), (452, 3785), (454, 3791), (458, 3809), (492, 3905), (506, 3965),

Gene: Indra_15 Start: 7533, Stop: 9287, Start Num: 51

Candidate Starts for Indra_15:

(Start: 51 @7533 has 557 MA's), (114, 7665), (136, 7764), (146, 7788), (152, 7815), (161, 7851), (175, 7926), (207, 8049), (209, 8064), (215, 8088), (233, 8157), (236, 8181), (237, 8184), (Start: 245 @8247 has 1 MA's), (250, 8271), (284, 8400), (286, 8403), (308, 8514), (348, 8676), (375, 8763), (378, 8775), (381, 8787), (399, 8835), (402, 8850), (411, 8889), (416, 8910), (439, 8994), (445, 9006), (517, 9243), (533, 9270), (535, 9273),

Gene: Insomnia_11 Start: 8076, Stop: 9839, Start Num: 51

Candidate Starts for Insomnia_11:

(21, 7956), (Start: 51 @8076 has 557 MA's), (Start: 63 @8097 has 4 MA's), (102, 8184), (136, 8313), (146, 8337), (161, 8400), (194, 8544), (206, 8595), (207, 8598), (233, 8709), (236, 8733), (237, 8736), (Start: 245 @8799 has 1 MA's), (247, 8808), (250, 8823), (278, 8940), (286, 8955), (295, 9015), (313, 9099), (378, 9327), (381, 9339), (399, 9387), (402, 9402), (411, 9441), (416, 9462), (428, 9501), (439, 9546), (445, 9558), (517, 9795), (533, 9822),

Gene: Iracema64_11 Start: 6861, Stop: 8558, Start Num: 51

Candidate Starts for Iracema64_11:

(Start: 51 @6861 has 557 MA's), (Start: 65 @6885 has 1 MA's), (Start: 117 @7008 has 2 MA's), (157, 7098), (165, 7131), (184, 7230), (206, 7314), (207, 7317), (215, 7356), (233, 7425), (236, 7449), (Start: 245 @7515 has 1 MA's), (265, 7605), (306, 7770), (324, 7857), (329, 7890), (354, 7956), (374, 8028), (375, 8031), (381, 8055), (399, 8106), (402, 8121), (411, 8160), (416, 8181), (445, 8277), (517, 8514), (535, 8544), (537, 8547),

Gene: IronMan_14 Start: 9160, Stop: 10938, Start Num: 51

Candidate Starts for IronMan_14:

(Start: 51 @9160 has 557 MA's), (Start: 63 @9178 has 4 MA's), (114, 9289), (Start: 117 @9301 has 2 MA's), (127, 9343), (130, 9355), (131, 9364), (136, 9388), (161, 9475), (206, 9670), (207, 9673), (215, 9712), (233, 9781), (Start: 245 @9871 has 1 MA's), (250, 9895), (274, 9994), (286, 10027), (350, 10327), (375, 10414), (405, 10513), (411, 10540), (416, 10561), (445, 10657), (517, 10894), (533, 10921), (535, 10924),

Gene: Isca_11 Start: 6368, Stop: 8065, Start Num: 51

Candidate Starts for Isca_11:

(Start: 51 @6368 has 557 MA's), (86, 6440), (165, 6638), (175, 6701), (203, 6812), (207, 6824), (215, 6863), (220, 6875), (233, 6932), (236, 6956), (Start: 245 @7022 has 1 MA's), (247, 7031), (265, 7112), (271, 7139), (306, 7277), (318, 7343), (324, 7364), (329, 7397), (354, 7463), (375, 7538), (381, 7562), (384, 7571), (387, 7580), (402, 7628), (411, 7667), (416, 7688), (445, 7784), (458, 7829), (461, 7838), (507, 7991), (517, 8021), (535, 8051), (537, 8054),

Gene: Isiphiwo_15 Start: 7523, Stop: 9277, Start Num: 51

Candidate Starts for Isiphiwo_15:

(Start: 51 @7523 has 557 MA's), (136, 7754), (152, 7805), (161, 7841), (175, 7916), (207, 8039), (215, 8078), (233, 8147), (236, 8171), (237, 8174), (Start: 245 @8237 has 1 MA's), (250, 8261), (274, 8360), (275, 8363), (284, 8390), (286, 8393), (354, 8678), (378, 8765), (381, 8777), (402, 8840), (411, 8879), (416, 8900), (439, 8984), (445, 8996), (517, 9233), (533, 9260), (535, 9263),

Gene: Issmi_7 Start: 2454, Stop: 4100, Start Num: 39

Candidate Starts for Issmi_7:

(Start: 39 @2454 has 86 MA's), (161, 2712), (165, 2724), (Start: 169 @2757 has 2 MA's), (196, 2865), (201, 2892), (208, 2913), (231, 3000), (240, 3072), (Start: 245 @3096 has 1 MA's), (268, 3195), (312, 3345), (327, 3408), (330, 3426), (375, 3558), (376, 3564), (380, 3579), (383, 3588), (405, 3669), (409, 3687), (411, 3696), (433, 3777), (445, 3816), (452, 3837), (458, 3861), (485, 3921), (506, 4017),

Gene: Iter_2 Start: 534, Stop: 2240, Start Num: 55

Candidate Starts for Iter_2:

(Start: 55 @534 has 34 MA's), (193, 906), (207, 963), (218, 1011), (238, 1101), (257, 1200), (274, 1275), (293, 1365), (330, 1488), (337, 1527), (375, 1650), (425, 1830), (433, 1869), (445, 1905), (449, 1920), (485, 2055), (502, 2139), (506, 2151), (508, 2163),

Gene: IttyBittyPiggy_2 Start: 535, Stop: 2232, Start Num: 55

Candidate Starts for IttyBittyPiggy_2:

(6, 244), (Start: 55 @535 has 34 MA's), (Start: 110 @622 has 1 MA's), (193, 907), (207, 964), (215, 1006), (238, 1102), (247, 1156), (274, 1276), (375, 1651), (405, 1762), (425, 1831), (445, 1906), (449, 1921), (485, 2047), (508, 2155),

Gene: Itza_6 Start: 2578, Stop: 4239, Start Num: 39

Candidate Starts for Itza_6:

(Start: 39 @2578 has 86 MA's), (135, 2761), (148, 2797), (185, 2968), (201, 3031), (215, 3088), (231, 3139), (240, 3211), (Start: 245 @3235 has 1 MA's), (254, 3268), (261, 3304), (268, 3334), (274, 3355), (296, 3448), (313, 3487), (319, 3511), (327, 3547), (338, 3607), (375, 3697), (380, 3718), (387, 3739), (412, 3838), (445, 3955), (458, 4000),

Gene: Iwokeuplikedis_12 Start: 7191, Stop: 8972, Start Num: 51

Candidate Starts for Iwokeuplikedis_12:

(14, 7023), (Start: 51 @7191 has 557 MA's), (136, 7422), (207, 7707), (215, 7746), (233, 7815), (Start: 245 @7905 has 1 MA's), (250, 7929), (258, 7956), (278, 8046), (286, 8061), (350, 8361), (375, 8448), (402, 8535), (405, 8547), (411, 8574), (439, 8679), (445, 8691), (517, 8928), (535, 8958),

Gene: Izzy_7 Start: 2609, Stop: 4255, Start Num: 39

Candidate Starts for Izzy_7:

(Start: 39 @2609 has 86 MA's), (Start: 49 @2627 has 10 MA's), (152, 2831), (Start: 169 @2912 has 2 MA's), (201, 3047), (208, 3068), (219, 3113), (231, 3155), (240, 3227), (Start: 245 @3251 has 1 MA's), (265, 3338), (268, 3350), (286, 3404), (313, 3503), (327, 3563), (378, 3725), (380, 3734), (405, 3824), (413, 3857), (432, 3929), (433, 3932), (445, 3971), (452, 3992), (454, 3998), (458, 4016), (492, 4112), (506, 4172),

Gene: JC27_13 Start: 7632, Stop: 9320, Start Num: 51

Candidate Starts for JC27_13:

(Start: 51 @7632 has 557 MA's), (Start: 143 @7812 has 2 MA's), (165, 7896), (170, 7932), (175, 7959), (207, 8082), (233, 8190), (Start: 245 @8280 has 1 MA's), (250, 8304), (258, 8331), (267, 8379), (287, 8448), (302, 8523), (306, 8535), (316, 8595), (382, 8820), (385, 8829), (389, 8841), (402, 8883), (407, 8904), (414, 8931), (445, 9039), (480, 9129), (503, 9234),

Gene: JF2_11 Start: 6133, Stop: 7830, Start Num: 51

Candidate Starts for JF2_11:

(Start: 51 @6133 has 557 MA's), (86, 6205), (165, 6403), (175, 6466), (203, 6577), (207, 6589), (215, 6628), (220, 6640), (233, 6697), (236, 6721), (241, 6751), (Start: 245 @6787 has 1 MA's), (247, 6796), (265, 6877), (271, 6904), (306, 7042), (318, 7108), (324, 7129), (329, 7162), (354, 7228), (375, 7303), (381, 7327), (382, 7330), (384, 7336), (387, 7345), (402, 7393), (411, 7432), (412, 7435), (416, 7453),

(445, 7549), (461, 7603), (507, 7756), (517, 7786), (535, 7816), (537, 7819),

Gene: JF4_11 Start: 6133, Stop: 7830, Start Num: 51

Candidate Starts for JF4_11:

(Start: 51 @6133 has 557 MA's), (86, 6205), (165, 6403), (175, 6466), (203, 6577), (207, 6589), (215, 6628), (220, 6640), (233, 6697), (236, 6721), (241, 6751), (Start: 245 @6787 has 1 MA's), (247, 6796), (265, 6877), (271, 6904), (306, 7042), (318, 7108), (324, 7129), (329, 7162), (354, 7228), (375, 7303), (381, 7327), (382, 7330), (384, 7336), (387, 7345), (402, 7393), (411, 7432), (412, 7435), (416, 7453), (445, 7549), (461, 7603), (507, 7756), (517, 7786), (535, 7816), (537, 7819),

Gene: JHC117_13 Start: 6955, Stop: 8655, Start Num: 52

Candidate Starts for JHC117_13:

(Start: 52 @6955 has 102 MA's), (71, 7003), (139, 7138), (184, 7330), (207, 7417), (Start: 245 @7615 has 1 MA's), (265, 7705), (284, 7768), (316, 7930), (375, 8128), (381, 8152), (382, 8155), (402, 8218), (407, 8239), (416, 8278), (445, 8374), (461, 8428), (480, 8464), (517, 8611), (535, 8641), (537, 8644),

Gene: JSwag_14 Start: 6679, Stop: 8376, Start Num: 51

Candidate Starts for JSwag_14:

(Start: 51 @6679 has 557 MA's), (62, 6697), (139, 6859), (194, 7084), (207, 7138), (233, 7246), (237, 7273), (Start: 245 @7336 has 1 MA's), (250, 7360), (381, 7876), (402, 7939), (412, 7981), (445, 8095), (485, 8200), (517, 8332), (533, 8359), (535, 8362), (537, 8365),

Gene: Jaan_15 Start: 9550, Stop: 11328, Start Num: 51

Candidate Starts for Jaan_15:

(Start: 51 @9550 has 557 MA's), (Start: 63 @9568 has 4 MA's), (114, 9679), (Start: 117 @9691 has 2 MA's), (127, 9733), (130, 9745), (131, 9754), (136, 9778), (161, 9865), (206, 10060), (207, 10063), (215, 10102), (233, 10171), (Start: 245 @10261 has 1 MA's), (250, 10285), (274, 10384), (286, 10417), (350, 10717), (375, 10804), (405, 10903), (411, 10930), (416, 10951), (445, 11047), (517, 11284), (533, 11311), (535, 11314),

Gene: Jabiru_9 Start: 6013, Stop: 7764, Start Num: 31

Candidate Starts for Jabiru_9:

(Start: 28 @5986 has 19 MA's), (Start: 31 @6013 has 29 MA's), (Start: 53 @6073 has 36 MA's), (58, 6082), (Start: 72 @6121 has 1 MA's), (112, 6196), (114, 6202), (161, 6334), (175, 6409), (176, 6412), (221, 6586), (227, 6610), (Start: 245 @6718 has 1 MA's), (256, 6763), (271, 6841), (274, 6847), (310, 7012), (318, 7045), (324, 7066), (375, 7240), (381, 7264), (411, 7366), (416, 7387), (431, 7441), (439, 7471), (445, 7483), (461, 7537), (516, 7717), (517, 7720), (537, 7753), (539, 7759),

Gene: Jabith_12 Start: 8076, Stop: 9839, Start Num: 51

Candidate Starts for Jabith_12:

(21, 7956), (Start: 51 @8076 has 557 MA's), (Start: 63 @8097 has 4 MA's), (102, 8184), (136, 8313), (146, 8337), (161, 8400), (194, 8544), (206, 8595), (207, 8598), (233, 8709), (236, 8733), (237, 8736), (Start: 245 @8799 has 1 MA's), (247, 8808), (250, 8823), (278, 8940), (286, 8955), (295, 9015), (313, 9099), (378, 9327), (381, 9339), (399, 9387), (402, 9402), (411, 9441), (416, 9462), (428, 9501), (439, 9546), (445, 9558), (517, 9795), (533, 9822),

Gene: Jablanski_2 Start: 485, Stop: 2284, Start Num: 52

Candidate Starts for Jablanski_2:

(Start: 52 @485 has 102 MA's), (115, 623), (159, 782), (161, 797), (178, 881), (185, 911), (189, 923), (192, 932), (200, 971), (207, 992), (230, 1076), (239, 1148), (247, 1184), (255, 1220), (275, 1310), (279, 1331), (289, 1382), (298, 1415), (357, 1589), (368, 1616), (375, 1658), (382, 1685), (384, 1691), (402, 1757), (405, 1769), (411, 1796), (433, 1907), (439, 1943), (445, 1955), (454, 1979), (461, 2006), (469, 2030), (484, 2093), (492, 2135), (505, 2192), (508, 2207), (514, 2222), (516, 2225), (523, 2240),

(535, 2270), (537, 2273),

Gene: JackSparrow_12 Start: 7288, Stop: 8976, Start Num: 51

Candidate Starts for JackSparrow_12:

(Start: 51 @7288 has 557 MA's), (Start: 143 @7468 has 2 MA's), (165, 7552), (170, 7588), (175, 7615), (207, 7738), (233, 7846), (Start: 245 @7936 has 1 MA's), (250, 7960), (258, 7987), (267, 8035), (287, 8104), (302, 8179), (306, 8191), (316, 8251), (382, 8476), (385, 8485), (389, 8497), (402, 8539), (407, 8560), (414, 8587), (445, 8695), (480, 8785), (503, 8890),

Gene: JacoRen57_2 Start: 669, Stop: 2324, Start Num: 87

Candidate Starts for JacoRen57_2:

(Start: 87 @669 has 64 MA's), (114, 732), (Start: 117 @744 has 2 MA's), (161, 861), (172, 918), (204, 1059), (207, 1068), (217, 1116), (248, 1269), (378, 1797), (405, 1890), (433, 1998), (450, 2052), (452, 2055), (453, 2058), (472, 2103), (499, 2199), (507, 2238),

Gene: Jamzy_7 Start: 1492, Stop: 3192, Start Num: 85

Candidate Starts for Jamzy_7:

(Start: 85 @1492 has 9 MA's), (Start: 110 @1546 has 1 MA's), (116, 1567), (125, 1594), (156, 1669), (161, 1705), (176, 1783), (194, 1858), (198, 1882), (207, 1912), (217, 1963), (238, 2062), (257, 2152), (276, 2242), (289, 2296), (308, 2371), (329, 2485), (333, 2509), (335, 2524), (367, 2575), (376, 2641), (378, 2647), (400, 2722), (426, 2818), (433, 2851), (472, 2956), (505, 3085), (506, 3088), (535, 3178), (537, 3181),

Gene: Janeemi_3 Start: 1617, Stop: 3323, Start Num: 55

Candidate Starts for Janeemi_3:

(Start: 55 @1617 has 34 MA's), (193, 1989), (207, 2046), (218, 2094), (238, 2184), (274, 2358), (293, 2448), (330, 2571), (337, 2610), (433, 2952), (445, 2988), (449, 3003), (455, 3021), (485, 3138), (502, 3222), (506, 3234), (508, 3246),

Gene: Janus_7 Start: 2523, Stop: 4169, Start Num: 39

Candidate Starts for Janus_7:

(Start: 39 @2523 has 86 MA's), (159, 2766), (161, 2781), (165, 2793), (192, 2919), (201, 2961), (203, 2967), (208, 2982), (231, 3069), (240, 3141), (Start: 245 @3165 has 1 MA's), (268, 3264), (276, 3300), (286, 3318), (319, 3441), (327, 3477), (378, 3639), (380, 3648), (399, 3711), (411, 3765), (433, 3846), (445, 3885), (452, 3906), (458, 3930), (505, 4083), (506, 4086),

Gene: Jash_7 Start: 2580, Stop: 4208, Start Num: 49

Candidate Starts for Jash_7:

(Start: 39 @2562 has 86 MA's), (Start: 49 @2580 has 10 MA's), (152, 2784), (Start: 169 @2865 has 2 MA's), (201, 3000), (208, 3021), (219, 3066), (231, 3108), (240, 3180), (Start: 245 @3204 has 1 MA's), (265, 3291), (268, 3303), (286, 3357), (313, 3456), (327, 3516), (378, 3678), (380, 3687), (405, 3777), (413, 3810), (432, 3882), (433, 3885), (445, 3924), (452, 3945), (454, 3951), (458, 3969), (492, 4065), (506, 4125),

Gene: JasmineDragon_2 Start: 550, Stop: 2277, Start Num: 39

Candidate Starts for JasmineDragon_2:

(27, 490), (Start: 39 @550 has 86 MA's), (Start: 110 @661 has 1 MA's), (186, 925), (189, 934), (201, 985), (207, 1003), (218, 1051), (238, 1144), (382, 1720), (425, 1873), (445, 1948), (449, 1963), (485, 2092), (508, 2200), (535, 2263),

Gene: Jasper_12 Start: 6843, Stop: 8531, Start Num: 51

Candidate Starts for Jasper_12:

(Start: 51 @6843 has 557 MA's), (Start: 143 @7023 has 2 MA's), (165, 7107), (170, 7143), (207, 7293), (233, 7401), (Start: 245 @7491 has 1 MA's), (250, 7515), (267, 7590), (287, 7659), (306, 7746), (316, 7806), (385, 8040), (389, 8052), (402, 8094), (407, 8115), (414, 8142), (445, 8250), (480, 8340), (503, 8445),

Gene: Jaykayelowell_11 Start: 6883, Stop: 8580, Start Num: 51

Candidate Starts for Jaykayelowell_11:

(Start: 51 @6883 has 557 MA's), (Start: 65 @6907 has 1 MA's), (Start: 117 @7030 has 2 MA's), (157, 7120), (165, 7153), (184, 7252), (206, 7336), (207, 7339), (215, 7378), (233, 7447), (236, 7471), (Start: 245 @7537 has 1 MA's), (265, 7627), (306, 7792), (324, 7879), (329, 7912), (354, 7978), (374, 8050), (375, 8053), (381, 8077), (399, 8128), (402, 8143), (411, 8182), (416, 8203), (445, 8299), (517, 8536), (535, 8566), (537, 8569),

Gene: Jeeves_11 Start: 6561, Stop: 8318, Start Num: 51

Candidate Starts for Jeeves_11:

(Start: 51 @6561 has 557 MA's), (105, 6669), (114, 6693), (130, 6759), (131, 6768), (136, 6792), (152, 6843), (170, 6927), (206, 7074), (207, 7077), (233, 7188), (236, 7212), (Start: 245 @7278 has 1 MA's), (250, 7302), (265, 7368), (286, 7434), (307, 7542), (323, 7617), (351, 7719), (375, 7794), (378, 7806), (381, 7818), (382, 7821), (402, 7881), (411, 7920), (416, 7941), (445, 8037), (517, 8274), (533, 8301),

Gene: Jeffabunny_15 Start: 7536, Stop: 9290, Start Num: 51

Candidate Starts for Jeffabunny_15:

(Start: 51 @7536 has 557 MA's), (136, 7767), (152, 7818), (161, 7854), (175, 7929), (207, 8052), (215, 8091), (233, 8160), (236, 8184), (237, 8187), (Start: 245 @8250 has 1 MA's), (250, 8274), (274, 8373), (275, 8376), (284, 8403), (286, 8406), (354, 8691), (378, 8778), (381, 8790), (402, 8853), (411, 8892), (416, 8913), (439, 8997), (445, 9009), (517, 9246), (533, 9273), (535, 9276),

Gene: JenCasNa_13 Start: 6955, Stop: 8655, Start Num: 52

Candidate Starts for JenCasNa_13:

(Start: 52 @6955 has 102 MA's), (71, 7003), (139, 7138), (184, 7330), (207, 7417), (214, 7453), (Start: 245 @7615 has 1 MA's), (265, 7705), (284, 7768), (316, 7930), (375, 8128), (381, 8152), (382, 8155), (402, 8218), (407, 8239), (416, 8278), (445, 8374), (461, 8428), (480, 8464), (517, 8611), (535, 8641), (537, 8644),

Gene: JeppNRM_14 Start: 7027, Stop: 8727, Start Num: 52

Candidate Starts for JeppNRM_14:

(Start: 52 @7027 has 102 MA's), (71, 7075), (Start: 110 @7147 has 1 MA's), (139, 7210), (162, 7294), (207, 7489), (Start: 245 @7687 has 1 MA's), (265, 7777), (284, 7840), (289, 7879), (316, 8002), (375, 8200), (381, 8224), (382, 8227), (402, 8290), (405, 8302), (407, 8311), (416, 8350), (445, 8446), (461, 8500), (480, 8536), (517, 8683), (535, 8713), (537, 8716),

Gene: Jerm_14 Start: 7848, Stop: 9635, Start Num: 51

Candidate Starts for Jerm_14:

(Start: 51 @7848 has 557 MA's), (102, 7956), (111, 7977), (128, 8043), (129, 8049), (136, 8085), (146, 8109), (161, 8172), (206, 8367), (207, 8370), (233, 8478), (Start: 245 @8568 has 1 MA's), (250, 8592), (267, 8667), (278, 8709), (286, 8724), (350, 9024), (405, 9210), (411, 9237), (416, 9258), (445, 9354), (517, 9591), (535, 9621),

Gene: Jerm2_12 Start: 7221, Stop: 8909, Start Num: 54

Candidate Starts for Jerm2_12:

(Start: 54 @7221 has 35 MA's), (139, 7392), (Start: 143 @7401 has 2 MA's), (165, 7485), (167, 7512), (170, 7521), (207, 7671), (213, 7704), (233, 7779), (Start: 245 @7869 has 1 MA's), (250, 7893), (258, 7920), (267, 7968), (306, 8124), (316, 8184), (382, 8409), (385, 8418), (389, 8430), (402, 8472), (407,

8493), (414, 8520), (445, 8628), (480, 8718), (503, 8823),

Gene: Jester_8 Start: 3156, Stop: 4838, Start Num: 53

Candidate Starts for Jester_8:

(Start: 53 @3156 has 36 MA's), (Start: 143 @3342 has 2 MA's), (161, 3414), (165, 3426), (166, 3450), (170, 3462), (209, 3630), (227, 3690), (Start: 245 @3798 has 1 MA's), (304, 4053), (318, 4125), (368, 4269), (375, 4311), (384, 4344), (405, 4413), (445, 4557), (458, 4602), (485, 4662), (517, 4794), (533, 4821), (535, 4824), (537, 4827),

Gene: JetBlade_11 Start: 6884, Stop: 8581, Start Num: 51

Candidate Starts for JetBlade_11:

(Start: 51 @6884 has 557 MA's), (Start: 65 @6908 has 1 MA's), (Start: 117 @7031 has 2 MA's), (157, 7121), (165, 7154), (184, 7253), (206, 7337), (207, 7340), (215, 7379), (233, 7448), (236, 7472), (Start: 245 @7538 has 1 MA's), (265, 7628), (306, 7793), (324, 7880), (329, 7913), (354, 7979), (374, 8051), (375, 8054), (381, 8078), (399, 8129), (402, 8144), (411, 8183), (416, 8204), (445, 8300), (517, 8537), (535, 8567), (537, 8570),

Gene: Jevington_9 Start: 2746, Stop: 4392, Start Num: 39

Candidate Starts for Jevington_9:

(Start: 39 @2746 has 86 MA's), (Start: 117 @2896 has 2 MA's), (165, 3016), (166, 3040), (Start: 169 @3049 has 2 MA's), (192, 3142), (194, 3148), (196, 3157), (201, 3184), (208, 3205), (231, 3292), (240, 3364), (Start: 245 @3388 has 1 MA's), (268, 3487), (276, 3523), (286, 3541), (303, 3628), (319, 3664), (327, 3700), (375, 3850), (380, 3871), (405, 3961), (411, 3988), (433, 4069), (445, 4108), (452, 4129), (458, 4153), (485, 4213), (506, 4309),

Gene: JewelBug_15 Start: 7534, Stop: 9288, Start Num: 51

Candidate Starts for JewelBug_15:

(Start: 51 @7534 has 557 MA's), (136, 7765), (152, 7816), (161, 7852), (175, 7927), (207, 8050), (215, 8089), (233, 8158), (236, 8182), (237, 8185), (Start: 245 @8248 has 1 MA's), (250, 8272), (274, 8371), (275, 8374), (284, 8401), (286, 8404), (354, 8689), (378, 8776), (381, 8788), (402, 8851), (411, 8890), (416, 8911), (439, 8995), (445, 9007), (517, 9244), (533, 9271), (535, 9274),

Gene: Jobu08_13 Start: 7026, Stop: 8726, Start Num: 52

Candidate Starts for Jobu08_13:

(Start: 52 @7026 has 102 MA's), (71, 7074), (139, 7209), (184, 7401), (207, 7488), (Start: 245 @7686 has 1 MA's), (265, 7776), (284, 7839), (316, 8001), (375, 8199), (381, 8223), (382, 8226), (402, 8289), (407, 8310), (416, 8349), (445, 8445), (461, 8499), (480, 8535), (517, 8682), (535, 8712), (537, 8715),

Gene: Joemato_2 Start: 533, Stop: 2239, Start Num: 55

Candidate Starts for Joemato_2:

(Start: 55 @533 has 34 MA's), (193, 905), (207, 962), (218, 1010), (238, 1100), (247, 1154), (274, 1274), (293, 1364), (337, 1526), (375, 1649), (445, 1904), (449, 1919), (467, 1973), (485, 2054), (502, 2138), (508, 2162),

Gene: JohnDoe_2 Start: 533, Stop: 2239, Start Num: 55

Candidate Starts for JohnDoe_2:

(Start: 55 @533 has 34 MA's), (193, 905), (207, 962), (218, 1010), (238, 1100), (247, 1154), (274, 1274), (293, 1364), (337, 1526), (375, 1649), (445, 1904), (449, 1919), (485, 2054), (502, 2138), (508, 2162),

Gene: JoieB_36 Start: 11144, Stop: 12886, Start Num: 87

Candidate Starts for JoieB_36:

(Start: 87 @11144 has 64 MA's), (139, 11261), (152, 11306), (160, 11372), (162, 11387), (166, 11420), (167, 11423), (171, 11438), (176, 11462), (177, 11465), (184, 11495), (190, 11516), (192, 11534), (195, 11543), (202, 11579), (207, 11594), (217, 11639), (231, 11681), (235, 11720), (238, 11732), (240, 11753), (251, 11804), (258, 11825), (312, 12047), (333, 12152), (334, 12161), (356, 12194), (367, 12215), (368, 12218), (371, 12245), (375, 12275), (378, 12287), (382, 12302), (385, 12311), (387, 12317), (397, 12359), (400, 12368), (403, 12383), (407, 12398), (425, 12458), (431, 12497), (441, 12530), (452, 12560), (453, 12563), (471, 12647), (485, 12701), (488, 12716), (495, 12743), (506, 12797), (533, 12869), (535, 12872),

Gene: JoongJeon_11 Start: 6884, Stop: 8581, Start Num: 51

Candidate Starts for JoongJeon_11:

(Start: 51 @6884 has 557 MA's), (Start: 65 @6908 has 1 MA's), (Start: 117 @7031 has 2 MA's), (157, 7121), (165, 7154), (184, 7253), (206, 7337), (207, 7340), (215, 7379), (233, 7448), (236, 7472), (Start: 245 @7538 has 1 MA's), (265, 7628), (306, 7793), (324, 7880), (329, 7913), (354, 7979), (374, 8051), (375, 8054), (381, 8078), (399, 8129), (402, 8144), (411, 8183), (416, 8204), (445, 8300), (517, 8537), (535, 8567), (537, 8570),

Gene: Jordennis_15 Start: 7523, Stop: 9277, Start Num: 51

Candidate Starts for Jordennis_15:

(Start: 51 @7523 has 557 MA's), (136, 7754), (152, 7805), (161, 7841), (175, 7916), (207, 8039), (215, 8078), (233, 8147), (236, 8171), (237, 8174), (Start: 245 @8237 has 1 MA's), (250, 8261), (284, 8390), (286, 8393), (308, 8504), (348, 8666), (375, 8753), (378, 8765), (381, 8777), (399, 8825), (402, 8840), (411, 8879), (416, 8900), (439, 8984), (445, 8996), (517, 9233), (533, 9260), (535, 9263),

Gene: Jorgensen_11 Start: 6804, Stop: 8492, Start Num: 51

Candidate Starts for Jorgensen_11:

(Start: 51 @6804 has 557 MA's), (Start: 143 @6984 has 2 MA's), (165, 7068), (170, 7104), (207, 7254), (233, 7362), (Start: 245 @7452 has 1 MA's), (250, 7476), (258, 7503), (267, 7551), (306, 7707), (316, 7767), (385, 8001), (389, 8013), (402, 8055), (407, 8076), (414, 8103), (445, 8211), (480, 8301), (503, 8406),

Gene: Joselito_12 Start: 8024, Stop: 9787, Start Num: 51

Candidate Starts for Joselito_12:

(Start: 51 @8024 has 557 MA's), (Start: 63 @8045 has 4 MA's), (102, 8132), (136, 8261), (146, 8285), (161, 8348), (194, 8492), (206, 8543), (207, 8546), (233, 8657), (236, 8681), (237, 8684), (Start: 245 @8747 has 1 MA's), (247, 8756), (250, 8771), (278, 8888), (286, 8903), (295, 8963), (313, 9047), (378, 9275), (381, 9287), (399, 9335), (402, 9350), (411, 9389), (416, 9410), (428, 9449), (439, 9494), (445, 9506), (517, 9743), (533, 9770),

Gene: JoshKayV_14 Start: 7836, Stop: 9626, Start Num: 51

Candidate Starts for JoshKayV_14:

(Start: 51 @7836 has 557 MA's), (102, 7944), (111, 7965), (136, 8073), (161, 8160), (207, 8361), (233, 8469), (Start: 245 @8559 has 1 MA's), (250, 8583), (278, 8700), (286, 8715), (350, 9015), (405, 9201), (411, 9228), (416, 9249), (445, 9345), (517, 9582), (535, 9612),

Gene: Journey13_10 Start: 6587, Stop: 8341, Start Num: 51

Candidate Starts for Journey13_10:

(Start: 51 @6587 has 557 MA's), (Start: 117 @6731 has 2 MA's), (136, 6818), (161, 6905), (206, 7100), (207, 7103), (215, 7142), (233, 7211), (Start: 245 @7301 has 1 MA's), (250, 7325), (274, 7424), (275, 7427), (284, 7454), (286, 7457), (351, 7742), (375, 7817), (378, 7829), (381, 7841), (399, 7889), (402, 7904), (416, 7964), (439, 8048), (445, 8060), (517, 8297), (533, 8324), (535, 8327), (537, 8330),

Gene: Jovo_9 Start: 6297, Stop: 8048, Start Num: 31

Candidate Starts for Jovo_9:

(Start: 28 @6270 has 19 MA's), (Start: 31 @6297 has 29 MA's), (58, 6366), (112, 6480), (114, 6486), (161, 6618), (175, 6693), (176, 6696), (209, 6831), (221, 6870), (227, 6894), (Start: 245 @7002 has 1 MA's), (256, 7047), (271, 7125), (274, 7131), (310, 7296), (318, 7329), (324, 7350), (375, 7524), (381, 7548), (382, 7551), (402, 7611), (405, 7623), (411, 7650), (416, 7671), (439, 7755), (445, 7767), (517, 8004), (537, 8037), (539, 8043),

Gene: Jsquared_11 Start: 6331, Stop: 8112, Start Num: 51

Candidate Starts for Jsquared_11:

(15, 6172), (Start: 51 @6331 has 557 MA's), (Start: 117 @6475 has 2 MA's), (128, 6520), (136, 6562), (146, 6586), (161, 6649), (171, 6703), (206, 6844), (207, 6847), (215, 6886), (233, 6955), (Start: 245 @7045 has 1 MA's), (250, 7069), (284, 7198), (286, 7201), (341, 7474), (411, 7714), (416, 7735), (439, 7819), (445, 7831), (517, 8068), (533, 8095), (535, 8098), (537, 8101),

Gene: Jstan_2 Start: 534, Stop: 2240, Start Num: 55

Candidate Starts for Jstan_2:

(Start: 55 @534 has 34 MA's), (Start: 110 @621 has 1 MA's), (193, 906), (207, 963), (210, 984), (218, 1011), (238, 1101), (247, 1155), (257, 1200), (274, 1275), (293, 1365), (330, 1488), (337, 1527), (375, 1650), (425, 1830), (431, 1863), (445, 1905), (449, 1920), (485, 2055), (492, 2091), (506, 2151), (508, 2163),

Gene: Juicebox_3 Start: 1306, Stop: 2937, Start Num: 72

Candidate Starts for Juicebox_3:

(71, 1303), (Start: 72 @1306 has 1 MA's), (78, 1315), (Start: 169 @1573 has 2 MA's), (189, 1663), (201, 1714), (203, 1720), (207, 1732), (257, 1972), (273, 2044), (289, 2119), (311, 2179), (333, 2284), (345, 2308), (367, 2350), (378, 2407), (382, 2422), (387, 2437), (400, 2470), (445, 2650), (462, 2707), (483, 2746), (505, 2848), (508, 2863), (535, 2926),

Gene: JuliaChild_13 Start: 7479, Stop: 9167, Start Num: 51

Candidate Starts for JuliaChild_13:

(Start: 51 @7479 has 557 MA's), (Start: 143 @7659 has 2 MA's), (165, 7743), (170, 7779), (175, 7806), (207, 7929), (233, 8037), (Start: 245 @8127 has 1 MA's), (250, 8151), (258, 8178), (267, 8226), (306, 8382), (316, 8442), (385, 8676), (389, 8688), (402, 8730), (407, 8751), (414, 8778), (445, 8886), (480, 8976), (503, 9081),

Gene: JuneStar_2 Start: 545, Stop: 2242, Start Num: 55

Candidate Starts for JuneStar_2:

(6, 242), (Start: 55 @545 has 34 MA's), (Start: 110 @632 has 1 MA's), (193, 917), (207, 974), (215, 1016), (238, 1112), (247, 1166), (274, 1286), (293, 1376), (375, 1661), (405, 1772), (425, 1841), (445, 1916), (449, 1931), (485, 2057), (502, 2141), (508, 2165),

Gene: KADY_14 Start: 7041, Stop: 8741, Start Num: 52

Candidate Starts for KADY_14:

(Start: 52 @7041 has 102 MA's), (71, 7089), (139, 7224), (184, 7416), (207, 7503), (Start: 245 @7701 has 1 MA's), (265, 7791), (284, 7854), (316, 8016), (375, 8214), (381, 8238), (382, 8241), (402, 8304), (407, 8325), (416, 8364), (445, 8460), (461, 8514), (480, 8550), (517, 8697), (535, 8727), (537, 8730),

Gene: KBG_12 Start: 7912, Stop: 9600, Start Num: 51

Candidate Starts for KBG_12:

(Start: 51 @7912 has 557 MA's), (Start: 143 @8092 has 2 MA's), (165, 8176), (170, 8212), (175, 8239), (207, 8362), (233, 8470), (Start: 245 @8560 has 1 MA's), (250, 8584), (267, 8659), (306, 8815), (316, 8875), (382, 9100), (385, 9109), (389, 9121), (402, 9163), (407, 9184), (414, 9211), (445, 9319), (480, 9409), (503, 9514),

Gene: KFPoly_11 Start: 6884, Stop: 8581, Start Num: 51

Candidate Starts for KFPoly_11:

(Start: 51 @6884 has 557 MA's), (Start: 65 @6908 has 1 MA's), (Start: 117 @7031 has 2 MA's), (157, 7121), (165, 7154), (184, 7253), (206, 7337), (207, 7340), (215, 7379), (233, 7448), (236, 7472), (Start: 245 @7538 has 1 MA's), (265, 7628), (306, 7793), (324, 7880), (329, 7913), (354, 7979), (374, 8051), (375, 8054), (381, 8078), (399, 8129), (402, 8144), (411, 8183), (416, 8204), (445, 8300), (517, 8537), (535, 8567), (537, 8570),

Gene: KSSJEB_11 Start: 6817, Stop: 8505, Start Num: 51

Candidate Starts for KSSJEB_11:

(Start: 51 @6817 has 557 MA's), (165, 7081), (166, 7105), (199, 7240), (207, 7267), (213, 7300), (233, 7375), (Start: 245 @7465 has 1 MA's), (250, 7489), (258, 7516), (267, 7564), (287, 7633), (306, 7720), (315, 7777), (316, 7780), (382, 8005), (385, 8014), (389, 8026), (402, 8068), (407, 8089), (414, 8116), (445, 8224), (480, 8314), (503, 8419),

Gene: Kalb97_14 Start: 7027, Stop: 8727, Start Num: 52

Candidate Starts for Kalb97_14:

(Start: 52 @7027 has 102 MA's), (71, 7075), (Start: 110 @7147 has 1 MA's), (139, 7210), (207, 7489), (Start: 245 @7687 has 1 MA's), (265, 7777), (284, 7840), (316, 8002), (375, 8200), (381, 8224), (382, 8227), (402, 8290), (405, 8302), (407, 8311), (411, 8329), (416, 8350), (445, 8446), (461, 8500), (480, 8536), (517, 8683), (535, 8713), (537, 8716),

Gene: Kalnoky_14 Start: 7029, Stop: 8729, Start Num: 52

Candidate Starts for Kalnoky_14:

(Start: 52 @7029 has 102 MA's), (71, 7077), (Start: 110 @7149 has 1 MA's), (139, 7212), (207, 7491), (Start: 245 @7689 has 1 MA's), (265, 7779), (284, 7842), (316, 8004), (375, 8202), (381, 8226), (382, 8229), (402, 8292), (405, 8304), (407, 8313), (411, 8331), (416, 8352), (445, 8448), (461, 8502), (480, 8538), (517, 8685), (535, 8715), (537, 8718),

Gene: Kalpine_15 Start: 9215, Stop: 11002, Start Num: 51

Candidate Starts for Kalpine_15:

(15, 9047), (22, 9098), (Start: 51 @9215 has 557 MA's), (102, 9323), (111, 9344), (136, 9452), (152, 9503), (161, 9539), (171, 9593), (175, 9614), (206, 9734), (207, 9737), (233, 9845), (Start: 245 @9935 has 1 MA's), (250, 9959), (275, 10061), (286, 10091), (375, 10478), (402, 10565), (405, 10577), (411, 10604), (412, 10607), (416, 10625), (445, 10721), (517, 10958), (533, 10985), (535, 10988), (537, 10991), (538, 10994),

Gene: Kampy_11 Start: 6885, Stop: 8582, Start Num: 51

Candidate Starts for Kampy_11:

(Start: 51 @6885 has 557 MA's), (Start: 65 @6909 has 1 MA's), (Start: 117 @7032 has 2 MA's), (157, 7122), (165, 7155), (184, 7254), (206, 7338), (207, 7341), (215, 7380), (233, 7449), (236, 7473), (Start: 245 @7539 has 1 MA's), (265, 7629), (306, 7794), (324, 7881), (329, 7914), (354, 7980), (374, 8052), (375, 8055), (381, 8079), (399, 8130), (402, 8145), (411, 8184), (416, 8205), (445, 8301), (517, 8538), (535, 8568), (537, 8571),

Gene: Kanely_12 Start: 7589, Stop: 9277, Start Num: 51

Candidate Starts for Kanely_12:

(Start: 51 @7589 has 557 MA's), (165, 7853), (166, 7877), (207, 8039), (213, 8072), (233, 8147), (Start: 245 @8237 has 1 MA's), (250, 8261), (258, 8288), (267, 8336), (306, 8492), (316, 8552), (385, 8786), (389, 8798), (402, 8840), (407, 8861), (414, 8888), (445, 8996), (480, 9086), (503, 9191),

Gene: Katalie_7 Start: 2648, Stop: 4294, Start Num: 39

Candidate Starts for Katalie_7:

(Start: 39 @2648 has 86 MA's), (Start: 49 @2666 has 10 MA's), (152, 2870), (Start: 169 @2951 has 2 MA's), (201, 3086), (208, 3107), (219, 3152), (231, 3194), (240, 3266), (Start: 245 @3290 has 1 MA's), (268, 3389), (286, 3443), (295, 3500), (327, 3602), (338, 3662), (353, 3689), (380, 3773), (384, 3785), (405, 3863), (413, 3896), (433, 3971), (445, 4010), (452, 4031), (454, 4037), (458, 4055), (492, 4151), (506, 4211),

Gene: Katalie136_11 Start: 6893, Stop: 8590, Start Num: 51

Candidate Starts for Katalie136_11:

(Start: 51 @6893 has 557 MA's), (Start: 65 @6917 has 1 MA's), (165, 7163), (185, 7268), (206, 7346), (207, 7349), (215, 7388), (233, 7457), (236, 7481), (Start: 245 @7547 has 1 MA's), (265, 7637), (306, 7802), (324, 7889), (366, 8015), (374, 8060), (375, 8063), (381, 8087), (402, 8153), (411, 8192), (416, 8213), (445, 8309), (516, 8543), (517, 8546), (535, 8576), (537, 8579),

Gene: KatherineG_14 Start: 6808, Stop: 8505, Start Num: 51

Candidate Starts for KatherineG_14:

(Start: 51 @6808 has 557 MA's), (62, 6826), (139, 6988), (194, 7213), (207, 7267), (233, 7375), (237, 7402), (Start: 245 @7465 has 1 MA's), (250, 7489), (381, 8005), (402, 8068), (412, 8110), (445, 8224), (485, 8329), (517, 8461), (533, 8488), (535, 8491), (537, 8494),

Gene: KayGee_3 Start: 906, Stop: 2582, Start Num: 87

Candidate Starts for KayGee_3:

(Start: 87 @906 has 64 MA's), (Start: 110 @957 has 1 MA's), (116, 978), (140, 1023), (152, 1065), (161, 1101), (196, 1263), (204, 1299), (207, 1308), (208, 1311), (217, 1359), (220, 1371), (238, 1458), (276, 1638), (289, 1692), (328, 1872), (333, 1905), (367, 1971), (376, 2037), (378, 2043), (402, 2127), (425, 2208), (431, 2241), (454, 2310), (485, 2388), (507, 2487), (512, 2508), (516, 2514), (535, 2568), (537, 2571),

Gene: Kaylissa_2 Start: 533, Stop: 2239, Start Num: 55

Candidate Starts for Kaylissa_2:

(6, 242), (8, 251), (Start: 55 @533 has 34 MA's), (193, 905), (207, 962), (218, 1010), (238, 1100), (247, 1154), (274, 1274), (293, 1364), (337, 1526), (375, 1649), (445, 1904), (449, 1919), (467, 1973), (485, 2054), (502, 2138), (508, 2162),

Gene: Kazan_15 Start: 7539, Stop: 9293, Start Num: 51

Candidate Starts for Kazan_15:

(Start: 51 @7539 has 557 MA's), (136, 7770), (152, 7821), (161, 7857), (175, 7932), (207, 8055), (215, 8094), (233, 8163), (236, 8187), (237, 8190), (Start: 245 @8253 has 1 MA's), (250, 8277), (274, 8376), (275, 8379), (284, 8406), (286, 8409), (354, 8694), (378, 8781), (381, 8793), (402, 8856), (411, 8895), (416, 8916), (439, 9000), (445, 9012), (517, 9249), (533, 9276), (535, 9279),

Gene: KeAlii_2 Start: 518, Stop: 2215, Start Num: 57

Candidate Starts for KeAlii_2:

(Start: 57 @518 has 5 MA's), (67, 539), (193, 890), (207, 947), (238, 1085), (241, 1109), (257, 1184), (274, 1259), (337, 1511), (375, 1631), (433, 1850), (445, 1886), (449, 1901), (508, 2144),

Gene: Kenmech_14 Start: 8093, Stop: 9781, Start Num: 54

Candidate Starts for Kenmech_14:

(Start: 54 @8093 has 35 MA's), (Start: 143 @8273 has 2 MA's), (165, 8357), (167, 8384), (170, 8393), (207, 8543), (213, 8576), (233, 8651), (Start: 245 @8741 has 1 MA's), (250, 8765), (258, 8792), (267, 8840), (271, 8858), (287, 8909), (302, 8984), (306, 8996), (316, 9056), (385, 9290), (389, 9302), (402, 9344), (407, 9365), (414, 9392), (445, 9500), (480, 9590), (503, 9695),

Gene: Kerberos_15 Start: 7375, Stop: 9162, Start Num: 51

Candidate Starts for Kerberos_15:

(16, 7216), (18, 7243), (Start: 51 @7375 has 557 MA's), (102, 7483), (111, 7504), (128, 7570), (136, 7612), (161, 7699), (206, 7894), (207, 7897), (233, 8005), (Start: 245 @8095 has 1 MA's), (250, 8119), (274, 8218), (284, 8248), (286, 8251), (308, 8362), (350, 8551), (399, 8710), (402, 8725), (405, 8737), (411, 8764), (416, 8785), (439, 8869), (445, 8881), (480, 8971), (517, 9118), (533, 9145), (535, 9148),

Gene: Keziacharles14_11 Start: 6280, Stop: 8064, Start Num: 51

Candidate Starts for Keziacharles14_11:

(Start: 51 @6280 has 557 MA's), (Start: 60 @6292 has 10 MA's), (Start: 63 @6298 has 4 MA's), (114, 6409), (136, 6508), (175, 6670), (194, 6742), (207, 6796), (215, 6835), (233, 6907), (Start: 245 @6997 has 1 MA's), (250, 7021), (267, 7096), (278, 7138), (286, 7153), (307, 7261), (323, 7336), (343, 7432), (366, 7492), (402, 7627), (411, 7666), (416, 7687), (439, 7771), (445, 7783), (480, 7873), (486, 7891), (517, 8020), (533, 8047), (535, 8050),

Gene: Killigrew_9 Start: 6454, Stop: 8142, Start Num: 51

Candidate Starts for Killigrew_9:

(Start: 51 @6454 has 557 MA's), (165, 6718), (166, 6742), (207, 6904), (213, 6937), (233, 7012), (Start: 245 @7102 has 1 MA's), (250, 7126), (258, 7153), (267, 7201), (302, 7345), (306, 7357), (316, 7417), (382, 7642), (385, 7651), (389, 7663), (402, 7705), (407, 7726), (414, 7753), (445, 7861), (480, 7951), (503, 8056),

Gene: Kimona_8 Start: 4308, Stop: 6005, Start Num: 51

Candidate Starts for Kimona_8:

(Start: 51 @4308 has 557 MA's), (105, 4419), (165, 4578), (206, 4761), (207, 4764), (209, 4779), (215, 4803), (233, 4872), (236, 4896), (Start: 245 @4962 has 1 MA's), (247, 4971), (271, 5079), (306, 5217), (354, 5403), (381, 5502), (402, 5568), (405, 5580), (411, 5607), (416, 5628), (439, 5712), (445, 5724), (461, 5778), (516, 5958), (517, 5961), (535, 5991), (537, 5994),

Gene: KingCyrus_14 Start: 7824, Stop: 9611, Start Num: 51

Candidate Starts for KingCyrus_14:

(Start: 51 @7824 has 557 MA's), (102, 7932), (111, 7953), (136, 8061), (206, 8343), (207, 8346), (233, 8454), (Start: 245 @8544 has 1 MA's), (250, 8568), (278, 8685), (286, 8700), (350, 9000), (405, 9186), (411, 9213), (416, 9234), (445, 9330), (517, 9567), (535, 9597),

Gene: Kingmustik0402_11 Start: 6876, Stop: 8573, Start Num: 51

Candidate Starts for Kingmustik0402_11:

(Start: 51 @6876 has 557 MA's), (Start: 65 @6900 has 1 MA's), (Start: 117 @7023 has 2 MA's), (157, 7113), (165, 7146), (184, 7245), (206, 7329), (207, 7332), (215, 7371), (233, 7440), (236, 7464), (Start: 245 @7530 has 1 MA's), (265, 7620), (306, 7785), (324, 7872), (329, 7905), (354, 7971), (374, 8043), (375, 8046), (381, 8070), (399, 8121), (402, 8136), (411, 8175), (416, 8196), (445, 8292), (517, 8529), (535, 8559), (537, 8562),

Gene: Kipper29_15 Start: 7533, Stop: 9287, Start Num: 51

Candidate Starts for Kipper29_15:

(Start: 51 @7533 has 557 MA's), (136, 7764), (152, 7815), (161, 7851), (175, 7926), (207, 8049), (215, 8088), (233, 8157), (236, 8181), (237, 8184), (Start: 245 @8247 has 1 MA's), (250, 8271), (274, 8370), (275, 8373), (284, 8400), (286, 8403), (354, 8688), (378, 8775), (381, 8787), (402, 8850), (411, 8889), (416, 8910), (439, 8994), (445, 9006), (517, 9243), (533, 9270), (535, 9273),

Gene: KittenMittens_10 Start: 4782, Stop: 6473, Start Num: 51

Candidate Starts for KittenMittens_10:

(Start: 51 @4782 has 557 MA's), (Start: 65 @4806 has 1 MA's), (Start: 117 @4929 has 2 MA's), (149, 4998), (161, 5049), (165, 5061), (175, 5124), (196, 5202), (207, 5247), (215, 5286), (231, 5334), (233, 5355), (236, 5379), (Start: 245 @5430 has 1 MA's), (274, 5553), (309, 5700), (320, 5760), (329, 5805), (375, 5946), (393, 6000), (402, 6036), (411, 6075), (416, 6096), (445, 6192), (467, 6261), (517, 6429), (535, 6459), (537, 6462),

Gene: Koduck_12 Start: 6618, Stop: 8399, Start Num: 51

Candidate Starts for Koduck_12:

(15, 6459), (Start: 51 @6618 has 557 MA's), (Start: 117 @6762 has 2 MA's), (128, 6807), (136, 6849), (161, 6936), (171, 6990), (206, 7131), (207, 7134), (215, 7173), (233, 7242), (Start: 245 @7332 has 1 MA's), (250, 7356), (284, 7485), (286, 7488), (411, 8001), (412, 8004), (416, 8022), (439, 8106), (445, 8118), (517, 8355), (533, 8382), (535, 8385), (537, 8388),

Gene: Koko_15 Start: 7533, Stop: 9287, Start Num: 51

Candidate Starts for Koko_15:

(Start: 51 @7533 has 557 MA's), (114, 7665), (136, 7764), (146, 7788), (152, 7815), (161, 7851), (175, 7926), (207, 8049), (209, 8064), (215, 8088), (233, 8157), (236, 8181), (237, 8184), (Start: 245 @8247 has 1 MA's), (250, 8271), (284, 8400), (286, 8403), (308, 8514), (348, 8676), (375, 8763), (378, 8775), (381, 8787), (399, 8835), (402, 8850), (411, 8889), (416, 8910), (439, 8994), (445, 9006), (517, 9243), (533, 9270), (535, 9273),

Gene: Koreni_10 Start: 6533, Stop: 8230, Start Num: 51

Candidate Starts for Koreni_10:

(Start: 51 @6533 has 557 MA's), (Start: 65 @6557 has 1 MA's), (Start: 117 @6680 has 2 MA's), (157, 6770), (165, 6803), (184, 6902), (206, 6986), (207, 6989), (215, 7028), (233, 7097), (236, 7121), (Start: 245 @7187 has 1 MA's), (265, 7277), (306, 7442), (324, 7529), (329, 7562), (354, 7628), (374, 7700), (375, 7703), (381, 7727), (399, 7778), (402, 7793), (411, 7832), (416, 7853), (445, 7949), (517, 8186), (535, 8216), (537, 8219),

Gene: Kratak_11 Start: 6879, Stop: 8576, Start Num: 51

Candidate Starts for Kratak_11:

(Start: 51 @6879 has 557 MA's), (Start: 65 @6903 has 1 MA's), (Start: 117 @7026 has 2 MA's), (157, 7116), (165, 7149), (184, 7248), (206, 7332), (207, 7335), (215, 7374), (233, 7443), (236, 7467), (Start: 245 @7533 has 1 MA's), (265, 7623), (306, 7788), (324, 7875), (329, 7908), (354, 7974), (374, 8046), (375, 8049), (381, 8073), (399, 8124), (402, 8139), (411, 8178), (416, 8199), (445, 8295), (517, 8532), (535, 8562), (537, 8565),

Gene: Kremtemulon_10 Start: 6929, Stop: 8626, Start Num: 51

Candidate Starts for Kremtemulon_10:

(Start: 51 @6929 has 557 MA's), (Start: 65 @6953 has 1 MA's), (Start: 117 @7076 has 2 MA's), (157, 7166), (165, 7199), (184, 7298), (206, 7382), (207, 7385), (215, 7424), (233, 7493), (Start: 245 @7583 has 1 MA's), (265, 7673), (306, 7838), (324, 7925), (329, 7958), (374, 8096), (375, 8099), (381, 8123), (402, 8189), (411, 8228), (416, 8249), (445, 8345), (516, 8579), (517, 8582), (535, 8612), (537, 8615),

Gene: Krishelle_8 Start: 3156, Stop: 4838, Start Num: 53

Candidate Starts for Krishelle_8:

(Start: 53 @3156 has 36 MA's), (Start: 143 @3342 has 2 MA's), (161, 3414), (165, 3426), (166, 3450), (170, 3462), (207, 3615), (209, 3630), (227, 3690), (Start: 245 @3798 has 1 MA's), (258, 3855), (304, 4053), (308, 4071), (318, 4125), (356, 4236), (368, 4269), (375, 4311), (384, 4344), (405, 4413), (445, 4557), (458, 4602), (485, 4662), (506, 4761), (517, 4794), (533, 4821), (535, 4824), (537, 4827),

Gene: Kristoff_12 Start: 6880, Stop: 8556, Start Num: 51

Candidate Starts for Kristoff_12:

(Start: 51 @6880 has 557 MA's), (Start: 117 @7012 has 2 MA's), (165, 7144), (172, 7189), (196, 7285), (207, 7330), (215, 7369), (231, 7417), (233, 7438), (236, 7462), (Start: 245 @7513 has 1 MA's), (274, 7636), (306, 7768), (320, 7843), (329, 7888), (354, 7954), (375, 8029), (381, 8053), (382, 8056), (402, 8119), (411, 8158), (412, 8161), (416, 8179), (445, 8275), (467, 8344), (517, 8512), (535, 8542), (537, 8545),

Gene: Kromp_2 Start: 782, Stop: 2422, Start Num: 85

Candidate Starts for Kromp_2:

(Start: 85 @782 has 9 MA's), (109, 833), (145, 914), (170, 1049), (184, 1175), (207, 1262), (234, 1385), (236, 1394), (240, 1421), (243, 1436), (244, 1439), (252, 1478), (258, 1493), (265, 1532), (300, 1646), (311, 1679), (329, 1763), (352, 1829), (367, 1850), (368, 1853), (408, 2027), (412, 2045), (440, 2123), (448, 2147), (451, 2153), (496, 2285), (503, 2327), (504, 2330), (535, 2408), (538, 2414),

Gene: Kugel_12 Start: 7046, Stop: 8737, Start Num: 51

Candidate Starts for Kugel_12:

(Start: 51 @7046 has 557 MA's), (165, 7310), (173, 7361), (207, 7496), (233, 7607), (236, 7631), (Start: 245 @7697 has 1 MA's), (250, 7721), (289, 7889), (315, 8009), (316, 8012), (375, 8210), (382, 8237), (404, 8309), (407, 8321), (412, 8342), (428, 8399), (445, 8456), (480, 8546), (481, 8549), (506, 8660), (507, 8663), (517, 8693), (535, 8723), (537, 8726),

Gene: Kuwabara_2 Start: 486, Stop: 2147, Start Num: 87

Candidate Starts for Kuwabara_2:

(29, 324), (35, 357), (Start: 36 @360 has 1 MA's), (59, 411), (Start: 64 @420 has 1 MA's), (Start: 73 @453 has 1 MA's), (Start: 87 @486 has 64 MA's), (Start: 110 @537 has 1 MA's), (114, 549), (121, 576), (159, 666), (161, 681), (167, 720), (174, 747), (175, 756), (176, 759), (184, 792), (196, 843), (204, 879), (205, 882), (207, 888), (210, 903), (211, 906), (219, 942), (233, 996), (240, 1047), (Start: 245 @1071 has 1 MA's), (265, 1158), (280, 1218), (289, 1263), (299, 1299), (309, 1341), (317, 1395), (324, 1419), (328, 1443), (340, 1503), (350, 1509), (371, 1572), (381, 1626), (387, 1644), (402, 1701), (405, 1713), (411, 1740), (433, 1821), (442, 1851), (455, 1890), (462, 1914), (485, 1962), (486, 1965), (506, 2058), (507, 2061), (510, 2079), (516, 2088), (522, 2100), (537, 2136),

Gene: KyMonks1A_13 Start: 7323, Stop: 9011, Start Num: 51

Candidate Starts for KyMonks1A_13:

(Start: 51 @7323 has 557 MA's), (Start: 143 @7503 has 2 MA's), (165, 7587), (170, 7623), (175, 7650), (207, 7773), (233, 7881), (Start: 245 @7971 has 1 MA's), (250, 7995), (258, 8022), (267, 8070), (306, 8226), (316, 8286), (382, 8511), (385, 8520), (389, 8532), (402, 8574), (407, 8595), (414, 8622), (445, 8730), (480, 8820), (503, 8925),

Gene: Kyee_11 Start: 6885, Stop: 8582, Start Num: 51

Candidate Starts for Kyee_11:

(13, 6708), (17, 6726), (Start: 19 @6756 has 1 MA's), (Start: 51 @6885 has 557 MA's), (Start: 65 @6909 has 1 MA's), (Start: 117 @7032 has 2 MA's), (157, 7122), (165, 7155), (184, 7254), (206, 7338), (207, 7341), (215, 7380), (233, 7449), (236, 7473), (Start: 245 @7539 has 1 MA's), (265, 7629), (306, 7794), (324, 7881), (329, 7914), (354, 7980), (374, 8052), (375, 8055), (381, 8079), (399, 8130), (402, 8145), (411, 8184), (416, 8205), (445, 8301), (517, 8538), (535, 8568), (537, 8571),

Gene: Kykar_9 Start: 6543, Stop: 8234, Start Num: 51

Candidate Starts for Kykar_9:

(Start: 51 @6543 has 557 MA's), (Start: 143 @6723 has 2 MA's), (165, 6807), (173, 6858), (207, 6993), (233, 7104), (236, 7128), (Start: 245 @7194 has 1 MA's), (250, 7218), (289, 7386), (315, 7506), (316, 7509), (375, 7707), (382, 7734), (404, 7806), (407, 7818), (412, 7839), (428, 7896), (445, 7953), (480, 8043), (481, 8046), (506, 8157), (507, 8160), (517, 8190), (535, 8220), (537, 8223),

Gene: L5_13 Start: 6626, Stop: 8407, Start Num: 51

Candidate Starts for L5_13:

(15, 6467), (Start: 51 @6626 has 557 MA's), (Start: 117 @6770 has 2 MA's), (128, 6815), (136, 6857), (161, 6944), (171, 6998), (206, 7139), (207, 7142), (215, 7181), (233, 7250), (Start: 245 @7340 has 1 MA's), (250, 7364), (284, 7493), (286, 7496), (411, 8009), (412, 8012), (416, 8030), (439, 8114), (445, 8126), (517, 8363), (533, 8390), (535, 8393), (537, 8396),

Gene: LBerry_13 Start: 6957, Stop: 8657, Start Num: 52

Candidate Starts for LBerry_13:

(Start: 52 @6957 has 102 MA's), (71, 7005), (139, 7140), (184, 7332), (207, 7419), (Start: 245 @7617 has 1 MA's), (265, 7707), (284, 7770), (316, 7932), (375, 8130), (381, 8154), (382, 8157), (402, 8220), (407, 8241), (416, 8280), (445, 8376), (461, 8430), (480, 8466), (517, 8613), (535, 8643), (537, 8646),

Gene: LHTSCC_11 Start: 6861, Stop: 8558, Start Num: 51

Candidate Starts for LHTSCC_11:

(Start: 51 @6861 has 557 MA's), (Start: 65 @6885 has 1 MA's), (Start: 117 @7008 has 2 MA's), (157, 7098), (165, 7131), (206, 7314), (207, 7317), (215, 7356), (233, 7425), (236, 7449), (Start: 245 @7515 has 1 MA's), (265, 7605), (306, 7770), (324, 7857), (329, 7890), (354, 7956), (374, 8028), (381, 8055), (399, 8106), (402, 8121), (411, 8160), (416, 8181), (445, 8277), (517, 8514), (535, 8544), (537, 8547),

Gene: LadyBird_12 Start: 7410, Stop: 9197, Start Num: 51

Candidate Starts for LadyBird_12:

(Start: 51 @7410 has 557 MA's), (102, 7518), (111, 7539), (136, 7647), (146, 7671), (206, 7929), (207, 7932), (233, 8040), (Start: 245 @8130 has 1 MA's), (250, 8154), (278, 8271), (286, 8286), (350, 8586), (405, 8772), (411, 8799), (416, 8820), (445, 8916), (517, 9153), (533, 9180), (535, 9183),

Gene: Lambert1_12 Start: 7044, Stop: 8741, Start Num: 51

Candidate Starts for Lambert1_12:

(Start: 51 @7044 has 557 MA's), (Start: 65 @7068 has 1 MA's), (165, 7314), (203, 7488), (207, 7500), (215, 7539), (220, 7551), (233, 7608), (236, 7632), (Start: 245 @7698 has 1 MA's), (247, 7707), (265, 7788), (274, 7821), (306, 7953), (308, 7965), (318, 8019), (324, 8040), (329, 8073), (348, 8127), (375, 8214), (381, 8238), (382, 8241), (384, 8247), (387, 8256), (402, 8304), (411, 8343), (412, 8346), (416, 8364), (445, 8460), (461, 8514), (507, 8667), (517, 8697), (535, 8727), (537, 8730),

Gene: Lamina13_11 Start: 6599, Stop: 8287, Start Num: 51

Candidate Starts for Lamina13_11:

(Start: 51 @6599 has 557 MA's), (Start: 143 @6779 has 2 MA's), (165, 6863), (166, 6887), (207, 7049), (213, 7082), (233, 7157), (Start: 245 @7247 has 1 MA's), (250, 7271), (258, 7298), (267, 7346), (306, 7502), (307, 7511), (316, 7562), (385, 7796), (389, 7808), (402, 7850), (407, 7871), (414, 7898), (445, 8006), (480, 8096), (503, 8201),

Gene: Landor_13 Start: 9202, Stop: 10980, Start Num: 51

Candidate Starts for Landor_13:

(Start: 51 @9202 has 557 MA's), (Start: 63 @9220 has 4 MA's), (114, 9331), (Start: 117 @9343 has 2 MA's), (127, 9385), (130, 9397), (131, 9406), (136, 9430), (161, 9517), (206, 9712), (207, 9715), (215, 9754), (233, 9823), (Start: 245 @9913 has 1 MA's), (250, 9937), (274, 10036), (286, 10069), (350, 10369), (375, 10456), (405, 10555), (411, 10582), (416, 10603), (445, 10699), (517, 10936), (533, 10963), (535, 10966),

Gene: Lannister_7 Start: 2384, Stop: 4030, Start Num: 39

Candidate Starts for Lannister_7:

(Start: 39 @2384 has 86 MA's), (152, 2606), (Start: 169 @2687 has 2 MA's), (201, 2822), (208, 2843), (219, 2888), (231, 2930), (240, 3002), (Start: 245 @3026 has 1 MA's), (268, 3125), (286, 3179), (327,

3338), (338, 3398), (380, 3509), (405, 3599), (433, 3707), (445, 3746), (452, 3767), (454, 3773), (458, 3791), (492, 3887), (506, 3947),

Gene: LappelDuVide_10 Start: 6884, Stop: 8581, Start Num: 51

Candidate Starts for LappelDuVide_10:

(Start: 51 @6884 has 557 MA's), (Start: 65 @6908 has 1 MA's), (Start: 117 @7031 has 2 MA's), (157, 7121), (165, 7154), (184, 7253), (206, 7337), (207, 7340), (215, 7379), (233, 7448), (236, 7472), (Start: 245 @7538 has 1 MA's), (265, 7628), (306, 7793), (324, 7880), (329, 7913), (354, 7979), (374, 8051), (375, 8054), (381, 8078), (399, 8129), (402, 8144), (411, 8183), (416, 8204), (445, 8300), (517, 8537), (535, 8567), (537, 8570),

Gene: Larenn_13 Start: 7730, Stop: 9493, Start Num: 51

Candidate Starts for Larenn_13:

(Start: 51 @7730 has 557 MA's), (102, 7838), (111, 7859), (136, 7967), (146, 7991), (206, 8252), (207, 8255), (215, 8294), (233, 8363), (Start: 245 @8453 has 1 MA's), (250, 8477), (278, 8594), (286, 8609), (348, 8882), (375, 8969), (378, 8981), (381, 8993), (399, 9041), (402, 9056), (411, 9095), (416, 9116), (445, 9212), (517, 9449), (533, 9476), (535, 9479), (537, 9482), (538, 9485),

Gene: LarryKay_13 Start: 7043, Stop: 8743, Start Num: 52

Candidate Starts for LarryKay_13:

(Start: 52 @7043 has 102 MA's), (71, 7091), (139, 7226), (184, 7418), (207, 7505), (Start: 245 @7703 has 1 MA's), (265, 7793), (284, 7856), (316, 8018), (375, 8216), (381, 8240), (382, 8243), (402, 8306), (407, 8327), (416, 8366), (445, 8462), (461, 8516), (480, 8552), (517, 8699), (535, 8729), (537, 8732),

Gene: LastResort_14 Start: 6686, Stop: 8383, Start Num: 51

Candidate Starts for LastResort_14:

(Start: 51 @6686 has 557 MA's), (62, 6704), (139, 6866), (175, 7022), (194, 7091), (207, 7145), (233, 7253), (237, 7280), (Start: 245 @7343 has 1 MA's), (250, 7367), (381, 7883), (402, 7946), (412, 7988), (445, 8102), (485, 8207), (517, 8339), (533, 8366), (535, 8369), (537, 8372),

Gene: Lauer_3 Start: 958, Stop: 2634, Start Num: 87

Candidate Starts for Lauer_3:

(Start: 87 @958 has 64 MA's), (Start: 110 @1009 has 1 MA's), (116, 1030), (140, 1075), (161, 1153), (174, 1219), (196, 1315), (204, 1351), (207, 1360), (208, 1363), (217, 1411), (220, 1423), (238, 1510), (276, 1690), (289, 1744), (328, 1924), (333, 1957), (367, 2023), (376, 2089), (378, 2095), (402, 2179), (425, 2260), (431, 2293), (454, 2362), (485, 2440), (507, 2539), (512, 2560), (516, 2566), (535, 2620), (537, 2623),

Gene: Legacy_6 Start: 2382, Stop: 4028, Start Num: 39

Candidate Starts for Legacy_6:

(Start: 39 @2382 has 86 MA's), (Start: 49 @2400 has 10 MA's), (152, 2604), (Start: 169 @2685 has 2 MA's), (201, 2820), (208, 2841), (231, 2928), (240, 3000), (Start: 245 @3024 has 1 MA's), (268, 3123), (286, 3177), (313, 3276), (327, 3336), (378, 3498), (380, 3507), (405, 3597), (411, 3624), (432, 3702), (433, 3705), (445, 3744), (452, 3765), (454, 3771), (458, 3789), (492, 3885), (506, 3945),

Gene: Lego_2 Start: 533, Stop: 2239, Start Num: 55

Candidate Starts for Lego_2:

(6, 242), (8, 251), (Start: 55 @533 has 34 MA's), (193, 905), (207, 962), (218, 1010), (238, 1100), (247, 1154), (274, 1274), (293, 1364), (337, 1526), (375, 1649), (445, 1904), (449, 1919), (467, 1973), (485, 2054), (508, 2162),

Gene: Lemur_11 Start: 6884, Stop: 8581, Start Num: 51

Candidate Starts for Lemur_11:

(13, 6707), (17, 6725), (Start: 19 @6755 has 1 MA's), (Start: 51 @6884 has 557 MA's), (Start: 65 @6908 has 1 MA's), (Start: 117 @7031 has 2 MA's), (157, 7121), (165, 7154), (184, 7253), (206, 7337), (207, 7340), (215, 7379), (233, 7448), (236, 7472), (Start: 245 @7538 has 1 MA's), (265, 7628), (306, 7793), (324, 7880), (329, 7913), (354, 7979), (374, 8051), (375, 8054), (381, 8078), (399, 8129), (402, 8144), (411, 8183), (416, 8204), (445, 8300), (517, 8537), (535, 8567), (537, 8570),

Gene: LeoAvram_11 Start: 7031, Stop: 8581, Start Num: 117

Candidate Starts for LeoAvram_11:

(13, 6707), (17, 6725), (Start: 19 @6755 has 1 MA's), (Start: 51 @6884 has 557 MA's), (Start: 65 @6908 has 1 MA's), (Start: 117 @7031 has 2 MA's), (157, 7121), (165, 7154), (206, 7337), (207, 7340), (215, 7379), (233, 7448), (236, 7472), (Start: 245 @7538 has 1 MA's), (265, 7628), (306, 7793), (324, 7880), (329, 7913), (354, 7979), (374, 8051), (375, 8054), (381, 8078), (399, 8129), (402, 8144), (411, 8183), (416, 8204), (445, 8300), (517, 8537), (535, 8567), (537, 8570),

Gene: Leogania_14 Start: 9575, Stop: 11362, Start Num: 51

Candidate Starts for Leogania_14:

(Start: 51 @9575 has 557 MA's), (102, 9683), (111, 9704), (136, 9812), (161, 9899), (171, 9953), (206, 10094), (207, 10097), (215, 10136), (233, 10205), (Start: 245 @10295 has 1 MA's), (250, 10319), (278, 10436), (286, 10451), (350, 10751), (375, 10838), (405, 10937), (411, 10964), (416, 10985), (445, 11081), (517, 11318), (533, 11345), (535, 11348),

Gene: Lesedi_10 Start: 6758, Stop: 8446, Start Num: 51

Candidate Starts for Lesedi_10:

(Start: 51 @6758 has 557 MA's), (165, 7022), (166, 7046), (207, 7208), (213, 7241), (233, 7316), (Start: 245 @7406 has 1 MA's), (250, 7430), (258, 7457), (267, 7505), (287, 7574), (306, 7661), (316, 7721), (385, 7955), (389, 7967), (402, 8009), (407, 8030), (414, 8057), (445, 8165), (480, 8255), (503, 8360),

Gene: Lev2_9 Start: 6005, Stop: 7756, Start Num: 31

Candidate Starts for Lev2_9:

(Start: 28 @5978 has 19 MA's), (Start: 31 @6005 has 29 MA's), (58, 6074), (Start: 72 @6113 has 1 MA's), (112, 6188), (114, 6194), (161, 6326), (175, 6401), (176, 6404), (209, 6539), (221, 6578), (227, 6602), (Start: 245 @6710 has 1 MA's), (256, 6755), (271, 6833), (274, 6839), (310, 7004), (318, 7037), (324, 7058), (375, 7232), (381, 7256), (382, 7259), (402, 7319), (405, 7331), (411, 7358), (416, 7379), (439, 7463), (445, 7475), (517, 7712), (537, 7745), (539, 7751),

Gene: Leviathan_14 Start: 7880, Stop: 9667, Start Num: 51

Candidate Starts for Leviathan_14:

(Start: 51 @7880 has 557 MA's), (102, 7988), (111, 8009), (128, 8075), (129, 8081), (136, 8117), (146, 8141), (161, 8204), (206, 8399), (207, 8402), (233, 8510), (Start: 245 @8600 has 1 MA's), (250, 8624), (267, 8699), (278, 8741), (286, 8756), (350, 9056), (405, 9242), (411, 9269), (416, 9290), (445, 9386), (517, 9623), (535, 9653),

Gene: Leviticus_6 Start: 2420, Stop: 4048, Start Num: 49

Candidate Starts for Leviticus_6:

(Start: 39 @2402 has 86 MA's), (Start: 49 @2420 has 10 MA's), (152, 2624), (Start: 169 @2705 has 2 MA's), (201, 2840), (208, 2861), (231, 2948), (240, 3020), (Start: 245 @3044 has 1 MA's), (268, 3143), (286, 3197), (313, 3296), (327, 3356), (378, 3518), (380, 3527), (405, 3617), (411, 3644), (432, 3722), (433, 3725), (445, 3764), (452, 3785), (454, 3791), (458, 3809), (492, 3905), (506, 3965),

Gene: Licorice_13 Start: 7615, Stop: 9303, Start Num: 51

Candidate Starts for Licorice_13:

(Start: 51 @7615 has 557 MA's), (165, 7879), (166, 7903), (207, 8065), (213, 8098), (233, 8173), (Start: 245 @8263 has 1 MA's), (250, 8287), (258, 8314), (267, 8362), (306, 8518), (316, 8578), (382, 8803), (385, 8812), (389, 8824), (402, 8866), (407, 8887), (414, 8914), (445, 9022), (480, 9112), (503, 9217),

Gene: Liebe_2 Start: 532, Stop: 2271, Start Num: 55

Candidate Starts for Liebe_2:

(Start: 55 @532 has 34 MA's), (78, 592), (Start: 85 @601 has 9 MA's), (Start: 110 @655 has 1 MA's), (157, 778), (185, 916), (189, 928), (196, 952), (207, 997), (218, 1045), (238, 1138), (257, 1237), (258, 1240), (269, 1297), (292, 1399), (293, 1402), (318, 1468), (330, 1525), (346, 1594), (382, 1714), (433, 1906), (445, 1942), (449, 1957), (492, 2122), (508, 2194), (513, 2209), (516, 2212), (535, 2257),

Gene: Lika_6 Start: 2381, Stop: 4027, Start Num: 39

Candidate Starts for Lika_6:

(Start: 39 @2381 has 86 MA's), (Start: 49 @2399 has 10 MA's), (152, 2603), (161, 2639), (201, 2819), (208, 2840), (231, 2927), (240, 2999), (Start: 245 @3023 has 1 MA's), (268, 3122), (271, 3137), (278, 3161), (281, 3167), (327, 3335), (375, 3485), (380, 3506), (405, 3596), (433, 3704), (445, 3743), (452, 3764), (454, 3770), (458, 3788), (506, 3944),

Gene: LilBib_12 Start: 7558, Stop: 9246, Start Num: 51

Candidate Starts for LilBib_12:

(Start: 51 @7558 has 557 MA's), (Start: 143 @7738 has 2 MA's), (165, 7822), (170, 7858), (175, 7885), (207, 8008), (233, 8116), (Start: 245 @8206 has 1 MA's), (250, 8230), (258, 8257), (267, 8305), (306, 8461), (316, 8521), (385, 8755), (389, 8767), (402, 8809), (407, 8830), (414, 8857), (445, 8965), (480, 9055), (503, 9160),

Gene: LilTurb_14 Start: 7907, Stop: 9694, Start Num: 51

Candidate Starts for LilTurb_14:

(Start: 51 @7907 has 557 MA's), (102, 8015), (111, 8036), (128, 8102), (129, 8108), (136, 8144), (146, 8168), (161, 8231), (206, 8426), (207, 8429), (233, 8537), (Start: 245 @8627 has 1 MA's), (250, 8651), (267, 8726), (278, 8768), (286, 8783), (350, 9083), (405, 9269), (411, 9296), (416, 9317), (445, 9413), (517, 9650), (535, 9680),

Gene: Lilas_2 Start: 485, Stop: 2284, Start Num: 52

Candidate Starts for Lilas_2:

(Start: 52 @485 has 102 MA's), (115, 623), (122, 650), (159, 782), (161, 797), (178, 881), (185, 911), (189, 923), (192, 932), (200, 971), (207, 992), (223, 1052), (230, 1076), (239, 1148), (247, 1184), (255, 1220), (275, 1310), (279, 1331), (288, 1376), (289, 1382), (292, 1400), (298, 1415), (357, 1589), (368, 1616), (382, 1685), (384, 1691), (402, 1757), (405, 1769), (411, 1796), (433, 1907), (439, 1943), (445, 1955), (446, 1961), (454, 1979), (461, 2006), (469, 2030), (484, 2093), (492, 2135), (505, 2192), (508, 2207), (514, 2222), (535, 2270), (537, 2273),

Gene: Lilbit_36 Start: 11121, Stop: 12863, Start Num: 87

Candidate Starts for Lilbit_36:

(Start: 87 @11121 has 64 MA's), (139, 11238), (152, 11283), (160, 11349), (162, 11364), (166, 11397), (167, 11400), (171, 11415), (176, 11439), (177, 11442), (184, 11472), (190, 11493), (192, 11511), (195, 11520), (202, 11556), (207, 11571), (217, 11616), (231, 11658), (235, 11697), (238, 11709), (240, 11730), (251, 11781), (258, 11802), (312, 12024), (333, 12129), (334, 12138), (356, 12171), (367, 12192), (368, 12195), (371, 12222), (375, 12252), (378, 12264), (382, 12279), (385, 12288), (387, 12294), (397, 12336), (400, 12345), (403, 12360), (407, 12375), (425, 12435), (431, 12474), (441, 12507), (452, 12537), (453, 12540), (471, 12624), (485, 12678), (488, 12693), (495, 12720), (506, 12774), (533, 12846), (535, 12849),

Gene: Lilbunny_14 Start: 7514, Stop: 9268, Start Num: 51

Candidate Starts for Lilbunny_14:

(Start: 51 @7514 has 557 MA's), (114, 7646), (136, 7745), (146, 7769), (152, 7796), (161, 7832), (175, 7907), (207, 8030), (209, 8045), (215, 8069), (233, 8138), (236, 8162), (237, 8165), (Start: 245 @8228 has 1 MA's), (250, 8252), (284, 8381), (286, 8384), (308, 8495), (348, 8657), (375, 8744), (378, 8756), (381, 8768), (399, 8816), (402, 8831), (411, 8870), (416, 8891), (439, 8975), (445, 8987), (517, 9224), (533, 9251), (535, 9254),

Gene: Lilith_13 Start: 6950, Stop: 8650, Start Num: 52

Candidate Starts for Lilith_13:

(Start: 52 @6950 has 102 MA's), (71, 6998), (139, 7133), (184, 7325), (207, 7412), (Start: 245 @7610 has 1 MA's), (265, 7700), (284, 7763), (316, 7925), (375, 8123), (381, 8147), (382, 8150), (402, 8213), (407, 8234), (416, 8273), (445, 8369), (461, 8423), (480, 8459), (517, 8606), (535, 8636), (537, 8639),

Gene: Lillie_8 Start: 3156, Stop: 4838, Start Num: 53

Candidate Starts for Lillie_8:

(Start: 53 @3156 has 36 MA's), (Start: 143 @3342 has 2 MA's), (161, 3414), (165, 3426), (166, 3450), (170, 3462), (207, 3615), (209, 3630), (227, 3690), (Start: 245 @3798 has 1 MA's), (258, 3855), (304, 4053), (308, 4071), (318, 4125), (368, 4269), (374, 4308), (375, 4311), (384, 4344), (405, 4413), (445, 4557), (458, 4602), (485, 4662), (506, 4761), (517, 4794), (533, 4821), (535, 4824), (537, 4827),

Gene: LittleB_11 Start: 6884, Stop: 8581, Start Num: 51

Candidate Starts for LittleB_11:

(Start: 51 @6884 has 557 MA's), (Start: 65 @6908 has 1 MA's), (Start: 117 @7031 has 2 MA's), (157, 7121), (165, 7154), (184, 7253), (203, 7328), (206, 7337), (207, 7340), (215, 7379), (233, 7448), (236, 7472), (Start: 245 @7538 has 1 MA's), (265, 7628), (306, 7793), (324, 7880), (329, 7913), (354, 7979), (374, 8051), (375, 8054), (381, 8078), (399, 8129), (402, 8144), (411, 8183), (416, 8204), (445, 8300), (517, 8537), (535, 8567), (537, 8570),

Gene: LittleCherry_9 Start: 6189, Stop: 7940, Start Num: 31

Candidate Starts for LittleCherry_9:

(Start: 28 @6162 has 19 MA's), (Start: 31 @6189 has 29 MA's), (58, 6258), (112, 6372), (114, 6378), (161, 6510), (175, 6585), (176, 6588), (184, 6621), (194, 6654), (221, 6762), (227, 6786), (233, 6819), (Start: 245 @6894 has 1 MA's), (256, 6939), (271, 7017), (274, 7023), (287, 7068), (318, 7221), (324, 7242), (375, 7416), (381, 7440), (382, 7443), (402, 7503), (405, 7515), (411, 7542), (416, 7563), (439, 7647), (445, 7659), (517, 7896), (537, 7929), (539, 7935),

Gene: LittleGuy_11 Start: 6827, Stop: 8524, Start Num: 51

Candidate Starts for LittleGuy_11:

(13, 6650), (17, 6668), (Start: 19 @6698 has 1 MA's), (Start: 51 @6827 has 557 MA's), (Start: 65 @6851 has 1 MA's), (Start: 117 @6974 has 2 MA's), (157, 7064), (165, 7097), (184, 7196), (206, 7280), (207, 7283), (215, 7322), (233, 7391), (236, 7415), (Start: 245 @7481 has 1 MA's), (265, 7571), (306, 7736), (324, 7823), (329, 7856), (354, 7922), (374, 7994), (375, 7997), (381, 8021), (399, 8072), (402, 8087), (411, 8126), (416, 8147), (445, 8243), (517, 8480), (535, 8510), (537, 8513),

Gene: LittleLaf_35 Start: 10850, Stop: 12592, Start Num: 87

Candidate Starts for LittleLaf_35:

(Start: 87 @10850 has 64 MA's), (139, 10967), (152, 11012), (160, 11078), (162, 11093), (166, 11126), (167, 11129), (171, 11144), (176, 11168), (177, 11171), (184, 11201), (190, 11222), (192, 11240), (195, 11249), (202, 11285), (207, 11300), (217, 11345), (231, 11387), (235, 11426), (238, 11438), (240, 11459), (251, 11510), (258, 11531), (312, 11753), (333, 11858), (334, 11867), (356, 11900), (367, 11921), (368, 11924), (371, 11951), (375, 11981), (378, 11993), (382, 12008), (385, 12017), (387, 12023), (397, 12065), (400, 12074), (403, 12089), (407, 12104), (425, 12164), (431,

12203), (441, 12236), (452, 12266), (453, 12269), (471, 12353), (485, 12407), (488, 12422), (495, 12449), (506, 12503), (533, 12575), (535, 12578),

Gene: Lizalica_2 Start: 531, Stop: 2237, Start Num: 55

Candidate Starts for Lizalica_2:

(1, 54), (5, 240), (6, 243), (Start: 55 @531 has 34 MA's), (193, 903), (207, 960), (218, 1008), (238, 1098), (247, 1152), (274, 1272), (293, 1362), (337, 1524), (366, 1599), (375, 1647), (399, 1731), (416, 1806), (445, 1902), (449, 1917), (467, 1971), (485, 2052), (502, 2136), (508, 2160),

Gene: LochMonster_11 Start: 6859, Stop: 8556, Start Num: 51

Candidate Starts for LochMonster_11:

(Start: 51 @6859 has 557 MA's), (Start: 65 @6883 has 1 MA's), (Start: 117 @7006 has 2 MA's), (157, 7096), (165, 7129), (184, 7228), (206, 7312), (207, 7315), (215, 7354), (233, 7423), (236, 7447), (Start: 245 @7513 has 1 MA's), (265, 7603), (324, 7855), (329, 7888), (354, 7954), (374, 8026), (375, 8029), (381, 8053), (399, 8104), (402, 8119), (411, 8158), (416, 8179), (445, 8275), (517, 8512), (535, 8542), (537, 8545),

Gene: Lockley_11 Start: 6937, Stop: 8625, Start Num: 51

Candidate Starts for Lockley_11:

(Start: 51 @6937 has 557 MA's), (165, 7201), (166, 7225), (207, 7387), (233, 7495), (Start: 245 @7585 has 1 MA's), (250, 7609), (258, 7636), (267, 7684), (287, 7753), (306, 7840), (307, 7849), (316, 7900), (385, 8134), (389, 8146), (402, 8188), (407, 8209), (414, 8236), (445, 8344), (480, 8434), (503, 8539),

Gene: Loka_15 Start: 9141, Stop: 10922, Start Num: 51

Candidate Starts for Loka_15:

(21, 9021), (38, 9114), (Start: 51 @9141 has 557 MA's), (114, 9273), (131, 9348), (136, 9372), (152, 9423), (206, 9654), (207, 9657), (215, 9696), (233, 9765), (Start: 245 @9855 has 1 MA's), (250, 9879), (274, 9978), (284, 10008), (286, 10011), (399, 10470), (402, 10485), (405, 10497), (411, 10524), (416, 10545), (445, 10641), (517, 10878), (533, 10905), (535, 10908),

Gene: London_2 Start: 534, Stop: 2240, Start Num: 55

Candidate Starts for London_2:

(Start: 55 @534 has 34 MA's), (Start: 110 @621 has 1 MA's), (193, 906), (207, 963), (210, 984), (218, 1011), (238, 1101), (247, 1155), (257, 1200), (274, 1275), (293, 1365), (330, 1488), (337, 1527), (375, 1650), (425, 1830), (431, 1863), (445, 1905), (449, 1920), (485, 2055), (492, 2091), (506, 2151), (508, 2163),

Gene: LoneWolf_13 Start: 7971, Stop: 9743, Start Num: 60

Candidate Starts for LoneWolf_13:

(Start: 51 @7956 has 557 MA's), (Start: 60 @7971 has 10 MA's), (114, 8088), (136, 8187), (146, 8211), (175, 8349), (194, 8421), (207, 8475), (215, 8514), (233, 8586), (Start: 245 @8676 has 1 MA's), (250, 8700), (267, 8775), (286, 8832), (307, 8940), (323, 9015), (329, 9051), (343, 9111), (366, 9171), (378, 9231), (384, 9252), (399, 9291), (411, 9345), (412, 9348), (416, 9366), (431, 9420), (439, 9450), (445, 9462), (481, 9555), (486, 9570), (517, 9699), (533, 9726), (535, 9729),

Gene: LonelyBoi_2 Start: 485, Stop: 2284, Start Num: 52

Candidate Starts for LonelyBoi_2:

(Start: 52 @485 has 102 MA's), (115, 623), (159, 782), (161, 797), (185, 911), (189, 923), (192, 932), (200, 971), (207, 992), (230, 1076), (239, 1148), (247, 1184), (255, 1220), (275, 1310), (279, 1331), (288, 1376), (289, 1382), (292, 1400), (298, 1415), (357, 1589), (368, 1616), (382, 1685), (384, 1691), (402, 1757), (405, 1769), (411, 1796), (433, 1907), (439, 1943), (445, 1955), (454, 1979), (461, 2006), (469, 2030), (484, 2093), (492, 2135), (505, 2192), (508, 2207), (514, 2222), (516, 2225), (535, 2270),

(537, 2273),

Gene: Loofah_7 Start: 2247, Stop: 3908, Start Num: 39

Candidate Starts for Loofah_7:

(Start: 39 @2247 has 86 MA's), (Start: 169 @2565 has 2 MA's), (192, 2658), (196, 2673), (201, 2700), (208, 2721), (231, 2808), (Start: 245 @2904 has 1 MA's), (254, 2937), (265, 2991), (274, 3024), (281, 3048), (296, 3117), (319, 3180), (320, 3186), (327, 3216), (330, 3234), (346, 3300), (374, 3363), (375, 3366), (378, 3378), (380, 3387), (383, 3396), (399, 3450), (405, 3477), (445, 3624), (452, 3645), (458, 3669), (485, 3729), (506, 3825), (539, 3903),

Gene: Looper_15 Start: 6686, Stop: 8383, Start Num: 51

Candidate Starts for Looper_15:

(Start: 51 @6686 has 557 MA's), (62, 6704), (139, 6866), (175, 7022), (194, 7091), (207, 7145), (233, 7253), (237, 7280), (Start: 245 @7343 has 1 MA's), (250, 7367), (381, 7883), (402, 7946), (412, 7988), (445, 8102), (485, 8207), (517, 8339), (533, 8366), (535, 8369), (537, 8372),

Gene: Lorelei_6 Start: 2392, Stop: 4020, Start Num: 49

Candidate Starts for Lorelei_6:

(Start: 39 @2374 has 86 MA's), (Start: 49 @2392 has 10 MA's), (152, 2596), (161, 2632), (201, 2812), (208, 2833), (219, 2878), (231, 2920), (240, 2992), (Start: 245 @3016 has 1 MA's), (268, 3115), (271, 3130), (278, 3154), (281, 3160), (327, 3328), (375, 3478), (380, 3499), (405, 3589), (433, 3697), (445, 3736), (452, 3757), (454, 3763), (458, 3781), (506, 3937), (539, 4015),

Gene: Lorenzo_11 Start: 6884, Stop: 8581, Start Num: 51

Candidate Starts for Lorenzo_11:

(Start: 51 @6884 has 557 MA's), (Start: 65 @6908 has 1 MA's), (Start: 117 @7031 has 2 MA's), (157, 7121), (165, 7154), (184, 7253), (206, 7337), (207, 7340), (215, 7379), (233, 7448), (236, 7472), (Start: 245 @7538 has 1 MA's), (265, 7628), (306, 7793), (324, 7880), (329, 7913), (354, 7979), (374, 8051), (375, 8054), (381, 8078), (399, 8129), (402, 8144), (411, 8183), (416, 8204), (445, 8300), (517, 8537), (535, 8567), (537, 8570),

Gene: Loser_15 Start: 9241, Stop: 11001, Start Num: 51

Candidate Starts for Loser_15:

(Start: 51 @9241 has 557 MA's), (102, 9349), (111, 9370), (131, 9454), (136, 9478), (161, 9565), (194, 9709), (207, 9763), (233, 9871), (Start: 245 @9961 has 1 MA's), (250, 9985), (286, 10117), (313, 10261), (350, 10393), (375, 10477), (399, 10549), (402, 10564), (411, 10603), (412, 10606), (416, 10624), (445, 10720), (467, 10789), (517, 10957), (533, 10984), (535, 10987), (537, 10990), (538, 10993),

Gene: Louie6_13 Start: 7044, Stop: 8744, Start Num: 52

Candidate Starts for Louie6_13:

(Start: 52 @7044 has 102 MA's), (71, 7092), (139, 7227), (184, 7419), (207, 7506), (Start: 245 @7704 has 1 MA's), (265, 7794), (284, 7857), (316, 8019), (375, 8217), (381, 8241), (382, 8244), (402, 8307), (405, 8319), (407, 8328), (411, 8346), (416, 8367), (445, 8463), (461, 8517), (480, 8553), (517, 8700), (535, 8730), (537, 8733),

Gene: Lozinak_30 Start: 8683, Stop: 10431, Start Num: 84

Candidate Starts for Lozinak_30:

(Start: 84 @8683 has 21 MA's), (99, 8713), (150, 8842), (180, 9028), (187, 9067), (195, 9091), (200, 9121), (206, 9139), (211, 9166), (218, 9196), (257, 9388), (260, 9406), (297, 9568), (314, 9616), (319, 9631), (365, 9814), (367, 9820), (381, 9904), (404, 9991), (412, 10024), (445, 10138), (456, 10174), (466, 10198), (470, 10213), (520, 10387), (526, 10393),

Gene: Luchador_12 Start: 7549, Stop: 9303, Start Num: 51

Candidate Starts for Luchador_12:

(43, 7534), (Start: 51 @7549 has 557 MA's), (Start: 63 @7567 has 4 MA's), (105, 7654), (114, 7678), (127, 7732), (130, 7744), (131, 7753), (136, 7777), (152, 7828), (159, 7849), (206, 8059), (207, 8062), (233, 8173), (236, 8197), (Start: 245 @8263 has 1 MA's), (250, 8287), (265, 8353), (286, 8419), (307, 8527), (323, 8602), (351, 8704), (375, 8779), (378, 8791), (381, 8803), (382, 8806), (402, 8866), (416, 8926), (445, 9022), (467, 9091), (517, 9259), (533, 9286),

Gene: Lucivia_12 Start: 8073, Stop: 9836, Start Num: 51

Candidate Starts for Lucivia_12:

(21, 7953), (Start: 51 @8073 has 557 MA's), (Start: 63 @8094 has 4 MA's), (102, 8181), (136, 8310), (146, 8334), (161, 8397), (194, 8541), (206, 8592), (207, 8595), (233, 8706), (236, 8730), (237, 8733), (Start: 245 @8796 has 1 MA's), (247, 8805), (250, 8820), (278, 8937), (286, 8952), (295, 9012), (313, 9096), (378, 9324), (381, 9336), (399, 9384), (402, 9399), (411, 9438), (416, 9459), (428, 9498), (439, 9543), (445, 9555), (517, 9792), (533, 9819),

Gene: Lucyedi_13 Start: 7527, Stop: 9281, Start Num: 51

Candidate Starts for Lucyedi_13:

(Start: 51 @7527 has 557 MA's), (114, 7659), (136, 7758), (161, 7845), (175, 7920), (194, 7989), (206, 8040), (207, 8043), (233, 8151), (Start: 245 @8241 has 1 MA's), (250, 8265), (284, 8394), (286, 8397), (289, 8433), (350, 8673), (354, 8682), (375, 8757), (399, 8829), (402, 8844), (411, 8883), (416, 8904), (439, 8988), (445, 9000), (485, 9105), (503, 9195), (506, 9204), (517, 9237), (533, 9264), (535, 9267), (537, 9270), (538, 9273),

Gene: LugYA_15 Start: 6955, Stop: 8655, Start Num: 52

Candidate Starts for LugYA_15:

(Start: 52 @6955 has 102 MA's), (71, 7003), (139, 7138), (184, 7330), (207, 7417), (214, 7453), (Start: 245 @7615 has 1 MA's), (265, 7705), (284, 7768), (316, 7930), (375, 8128), (381, 8152), (382, 8155), (402, 8218), (407, 8239), (416, 8278), (445, 8374), (461, 8428), (480, 8464), (517, 8611), (535, 8641), (537, 8644),

Gene: LunaStella_2 Start: 458, Stop: 2236, Start Num: 52

Candidate Starts for LunaStella_2:

(Start: 52 @458 has 102 MA's), (81, 509), (92, 530), (104, 560), (106, 566), (113, 581), (131, 632), (150, 695), (152, 707), (161, 743), (170, 791), (173, 806), (175, 818), (177, 824), (191, 881), (192, 884), (194, 890), (197, 905), (200, 923), (201, 926), (207, 944), (238, 1085), (239, 1103), (Start: 245 @1130 has 1 MA's), (250, 1154), (257, 1187), (275, 1265), (293, 1355), (297, 1364), (301, 1379), (318, 1421), (319, 1424), (328, 1466), (329, 1475), (333, 1499), (357, 1541), (359, 1544), (368, 1568), (374, 1607), (375, 1610), (379, 1625), (384, 1643), (386, 1646), (408, 1727), (411, 1742), (412, 1745), (415, 1757), (420, 1796), (431, 1847), (433, 1853), (439, 1889), (445, 1901), (454, 1925), (461, 1952), (464, 1961), (465, 1964), (481, 2036), (492, 2084), (495, 2090), (500, 2123), (501, 2129), (503, 2135), (505, 2141), (506, 2144), (508, 2156), (516, 2174), (524, 2195), (531, 2213), (537, 2225),

Gene: Lunsford_12 Start: 6884, Stop: 8581, Start Num: 51

Candidate Starts for Lunsford_12:

(13, 6707), (17, 6725), (Start: 19 @6755 has 1 MA's), (Start: 51 @6884 has 557 MA's), (Start: 65 @6908 has 1 MA's), (Start: 117 @7031 has 2 MA's), (157, 7121), (165, 7154), (184, 7253), (206, 7337), (207, 7340), (215, 7379), (233, 7448), (236, 7472), (Start: 245 @7538 has 1 MA's), (265, 7628), (306, 7793), (324, 7880), (329, 7913), (354, 7979), (374, 8051), (375, 8054), (381, 8078), (399, 8129), (402, 8144), (411, 8183), (416, 8204), (445, 8300), (517, 8537), (535, 8567), (537, 8570),

Gene: MA5_11 Start: 6096, Stop: 7793, Start Num: 51

Candidate Starts for MA5_11:

(Start: 51 @6096 has 557 MA's), (86, 6168), (111, 6222), (165, 6366), (203, 6540), (207, 6552), (215, 6591), (220, 6603), (233, 6660), (236, 6684), (Start: 245 @6750 has 1 MA's), (247, 6759), (265, 6840), (271, 6867), (306, 7005), (318, 7071), (324, 7092), (329, 7125), (354, 7191), (375, 7266), (381, 7290), (382, 7293), (384, 7299), (402, 7356), (405, 7368), (411, 7395), (416, 7416), (445, 7512), (458, 7557), (461, 7566), (507, 7719), (517, 7749), (535, 7779), (537, 7782),

Gene: MAnor_4 Start: 897, Stop: 2573, Start Num: 87

Candidate Starts for MAnor_4:

(Start: 87 @897 has 64 MA's), (Start: 110 @948 has 1 MA's), (116, 969), (140, 1014), (174, 1158), (189, 1221), (196, 1254), (204, 1290), (207, 1299), (208, 1302), (213, 1335), (217, 1350), (238, 1449), (240, 1470), (248, 1506), (252, 1527), (261, 1563), (276, 1629), (289, 1683), (328, 1863), (333, 1896), (367, 1962), (376, 2028), (378, 2034), (425, 2199), (431, 2232), (454, 2301), (485, 2379), (486, 2382), (505, 2472), (507, 2478), (512, 2499), (535, 2559), (537, 2562),

Gene: MK4_11 Start: 6367, Stop: 8064, Start Num: 51

Candidate Starts for MK4_11:

(Start: 51 @6367 has 557 MA's), (86, 6439), (165, 6637), (175, 6700), (203, 6811), (207, 6823), (215, 6862), (220, 6874), (233, 6931), (236, 6955), (241, 6985), (Start: 245 @7021 has 1 MA's), (247, 7030), (265, 7111), (271, 7138), (306, 7276), (318, 7342), (324, 7363), (329, 7396), (354, 7462), (375, 7537), (381, 7561), (382, 7564), (384, 7570), (387, 7579), (402, 7627), (411, 7666), (412, 7669), (416, 7687), (445, 7783), (461, 7837), (507, 7990), (517, 8020), (535, 8050), (537, 8053),

Gene: MPlant7149_10 Start: 6575, Stop: 8263, Start Num: 51

Candidate Starts for MPlant7149_10:

(Start: 51 @6575 has 557 MA's), (165, 6839), (166, 6863), (207, 7025), (213, 7058), (233, 7133), (Start: 245 @7223 has 1 MA's), (250, 7247), (258, 7274), (267, 7322), (306, 7478), (316, 7538), (382, 7763), (385, 7772), (389, 7784), (402, 7826), (407, 7847), (414, 7874), (445, 7982), (480, 8072), (503, 8177),

Gene: MScarn_6 Start: 1111, Stop: 2790, Start Num: 87

Candidate Starts for MScarn_6:

(Start: 87 @1111 has 64 MA's), (Start: 110 @1162 has 1 MA's), (116, 1183), (138, 1222), (161, 1309), (Start: 169 @1354 has 2 MA's), (174, 1375), (175, 1384), (192, 1456), (204, 1507), (207, 1516), (217, 1567), (238, 1666), (240, 1687), (247, 1720), (257, 1756), (289, 1900), (299, 1936), (308, 1975), (312, 2008), (324, 2056), (333, 2113), (350, 2146), (367, 2179), (376, 2245), (378, 2251), (397, 2317), (401, 2329), (402, 2335), (425, 2416), (452, 2512), (472, 2560), (494, 2635), (512, 2716), (535, 2776), (537, 2779),

Gene: MaCh_12 Start: 8021, Stop: 9784, Start Num: 51

Candidate Starts for MaCh_12:

(Start: 51 @8021 has 557 MA's), (Start: 63 @8042 has 4 MA's), (102, 8129), (136, 8258), (146, 8282), (161, 8345), (194, 8489), (206, 8540), (207, 8543), (233, 8654), (236, 8678), (237, 8681), (Start: 245 @8744 has 1 MA's), (247, 8753), (250, 8768), (278, 8885), (286, 8900), (295, 8960), (313, 9044), (378, 9272), (381, 9284), (399, 9332), (402, 9347), (411, 9386), (416, 9407), (428, 9446), (439, 9491), (445, 9503), (517, 9740), (533, 9767),

Gene: MaGuCo_2 Start: 532, Stop: 2271, Start Num: 55

Candidate Starts for MaGuCo_2:

(Start: 55 @532 has 34 MA's), (78, 592), (Start: 85 @601 has 9 MA's), (Start: 110 @655 has 1 MA's), (157, 778), (185, 916), (189, 928), (196, 952), (207, 997), (218, 1045), (238, 1138), (257, 1237), (258, 1240), (269, 1297), (292, 1399), (293, 1402), (318, 1468), (330, 1525), (382, 1714), (433, 1906), (445, 1942), (449, 1957), (492, 2122), (508, 2194), (513, 2209), (516, 2212), (535, 2257),

Gene: MaVan_6 Start: 1989, Stop: 3689, Start Num: 87

Candidate Starts for MaVan_6:

(Start: 87 @1989 has 64 MA's), (101, 2019), (116, 2061), (161, 2199), (170, 2247), (176, 2277), (184, 2310), (192, 2346), (196, 2361), (198, 2376), (207, 2406), (217, 2457), (238, 2556), (240, 2577), (257, 2646), (265, 2688), (273, 2718), (308, 2865), (315, 2916), (329, 2979), (333, 3003), (366, 3069), (371, 3102), (373, 3126), (374, 3129), (376, 3138), (382, 3159), (391, 3186), (402, 3231), (405, 3243), (406, 3249), (411, 3270), (422, 3309), (452, 3408), (462, 3444), (494, 3531), (512, 3612), (516, 3618), (535, 3675), (537, 3678),

Gene: Mabel_12 Start: 8088, Stop: 9851, Start Num: 51

Candidate Starts for Mabel_12:

(Start: 51 @8088 has 557 MA's), (Start: 63 @8109 has 4 MA's), (102, 8196), (136, 8325), (146, 8349), (161, 8412), (194, 8556), (206, 8607), (207, 8610), (233, 8721), (236, 8745), (237, 8748), (Start: 245 @8811 has 1 MA's), (247, 8820), (250, 8835), (278, 8952), (286, 8967), (295, 9027), (313, 9111), (378, 9339), (381, 9351), (399, 9399), (402, 9414), (411, 9453), (416, 9474), (428, 9513), (439, 9558), (445, 9570), (517, 9807), (533, 9834),

Gene: Mabodamaca_2 Start: 633, Stop: 2351, Start Num: 54

Candidate Starts for Mabodamaca_2:

(Start: 54 @633 has 35 MA's), (189, 1005), (201, 1056), (207, 1074), (238, 1224), (247, 1278), (252, 1302), (265, 1356), (365, 1719), (375, 1770), (399, 1854), (445, 2025), (449, 2040), (478, 2139), (492, 2205), (508, 2277),

Gene: Maco6_3 Start: 1054, Stop: 2718, Start Num: 87

Candidate Starts for Maco6_3:

(Start: 87 @1054 has 64 MA's), (105, 1093), (114, 1117), (161, 1246), (192, 1393), (196, 1408), (207, 1453), (217, 1501), (228, 1537), (237, 1594), (240, 1618), (248, 1654), (293, 1852), (299, 1867), (308, 1906), (334, 2053), (371, 2143), (375, 2173), (405, 2278), (433, 2386), (442, 2416), (452, 2443), (455, 2455), (472, 2491), (473, 2494), (499, 2587), (510, 2644),

Gene: MadMarie_13 Start: 6959, Stop: 8659, Start Num: 52

Candidate Starts for MadMarie_13:

(Start: 52 @6959 has 102 MA's), (71, 7007), (139, 7142), (184, 7334), (207, 7421), (Start: 245 @7619 has 1 MA's), (265, 7709), (284, 7772), (316, 7934), (375, 8132), (381, 8156), (382, 8159), (402, 8222), (407, 8243), (416, 8282), (445, 8378), (461, 8432), (480, 8468), (517, 8615), (535, 8645), (537, 8648),

Gene: Magnar_11 Start: 6723, Stop: 8411, Start Num: 51

Candidate Starts for Magnar_11:

(Start: 51 @6723 has 557 MA's), (Start: 143 @6903 has 2 MA's), (165, 6987), (170, 7023), (175, 7050), (207, 7173), (213, 7206), (233, 7281), (Start: 245 @7371 has 1 MA's), (250, 7395), (258, 7422), (267, 7470), (306, 7626), (316, 7686), (385, 7920), (402, 7974), (407, 7995), (414, 8022), (445, 8130), (480, 8220), (503, 8325),

Gene: Magnito_10 Start: 6474, Stop: 8162, Start Num: 51

Candidate Starts for Magnito_10:

(Start: 51 @6474 has 557 MA's), (165, 6738), (166, 6762), (207, 6924), (213, 6957), (233, 7032), (Start: 245 @7122 has 1 MA's), (250, 7146), (258, 7173), (267, 7221), (306, 7377), (316, 7437), (382, 7662), (385, 7671), (389, 7683), (402, 7725), (407, 7746), (414, 7773), (445, 7881), (480, 7971), (503, 8076),

Gene: Mainiac_13 Start: 6950, Stop: 8650, Start Num: 52

Candidate Starts for Mainiac_13:

(Start: 52 @6950 has 102 MA's), (71, 6998), (139, 7133), (184, 7325), (207, 7412), (Start: 245 @7610 has 1 MA's), (265, 7700), (284, 7763), (316, 7925), (375, 8123), (381, 8147), (382, 8150), (402, 8213), (407, 8234), (416, 8273), (445, 8369), (461, 8423), (480, 8459), (517, 8606), (535, 8636), (537, 8639),

Gene: MalagasyRose_7 Start: 2064, Stop: 3839, Start Num: 50

Candidate Starts for MalagasyRose_7:

(Start: 50 @2064 has 1 MA's), (69, 2106), (146, 2277), (175, 2415), (181, 2442), (189, 2475), (192, 2484), (196, 2499), (201, 2526), (203, 2532), (204, 2535), (217, 2595), (236, 2685), (237, 2688), (250, 2757), (257, 2778), (333, 3105), (338, 3126), (363, 3171), (367, 3189), (375, 3234), (378, 3246), (382, 3261), (392, 3306), (405, 3378), (411, 3405), (416, 3426), (436, 3504), (445, 3543), (457, 3585), (480, 3633), (485, 3648), (495, 3693), (503, 3738), (505, 3744), (511, 3771),

Gene: Malec_13 Start: 7735, Stop: 9498, Start Num: 51

Candidate Starts for Malec_13:

(Start: 51 @7735 has 557 MA's), (102, 7843), (111, 7864), (136, 7972), (206, 8257), (207, 8260), (215, 8299), (233, 8368), (Start: 245 @8458 has 1 MA's), (250, 8482), (278, 8599), (286, 8614), (348, 8887), (375, 8974), (378, 8986), (381, 8998), (399, 9046), (402, 9061), (411, 9100), (416, 9121), (445, 9217), (517, 9454), (533, 9481), (535, 9484), (537, 9487), (538, 9490),

Gene: Malinsilva_15 Start: 6949, Stop: 8649, Start Num: 52

Candidate Starts for Malinsilva_15:

(Start: 52 @6949 has 102 MA's), (71, 6997), (139, 7132), (184, 7324), (207, 7411), (Start: 245 @7609 has 1 MA's), (265, 7699), (284, 7762), (316, 7924), (375, 8122), (381, 8146), (382, 8149), (402, 8212), (407, 8233), (416, 8272), (445, 8368), (461, 8422), (480, 8458), (517, 8605), (535, 8635), (537, 8638),

Gene: Maminiaina_13 Start: 7879, Stop: 9666, Start Num: 51

Candidate Starts for Maminiaina_13:

(Start: 51 @7879 has 557 MA's), (Start: 60 @7894 has 10 MA's), (Start: 63 @7900 has 4 MA's), (114, 8011), (136, 8110), (175, 8272), (194, 8344), (207, 8398), (215, 8437), (233, 8509), (Start: 245 @8599 has 1 MA's), (250, 8623), (278, 8740), (286, 8755), (307, 8863), (323, 8938), (343, 9034), (358, 9070), (378, 9154), (384, 9175), (399, 9214), (411, 9268), (416, 9289), (439, 9373), (445, 9385), (481, 9478), (486, 9493), (517, 9622), (533, 9649), (535, 9652),

Gene: Manatee_12 Start: 7007, Stop: 8695, Start Num: 51

Candidate Starts for Manatee_12:

(Start: 51 @7007 has 557 MA's), (Start: 143 @7187 has 2 MA's), (165, 7271), (170, 7307), (175, 7334), (207, 7457), (233, 7565), (Start: 245 @7655 has 1 MA's), (250, 7679), (258, 7706), (267, 7754), (306, 7910), (307, 7919), (316, 7970), (382, 8195), (385, 8204), (389, 8216), (402, 8258), (407, 8279), (414, 8306), (445, 8414), (480, 8504), (503, 8609),

Gene: Maneekul_6 Start: 2379, Stop: 4025, Start Num: 39

Candidate Starts for Maneekul_6:

(Start: 39 @2379 has 86 MA's), (Start: 49 @2397 has 10 MA's), (152, 2601), (161, 2637), (201, 2817), (208, 2838), (231, 2925), (240, 2997), (Start: 245 @3021 has 1 MA's), (268, 3120), (271, 3135), (278, 3159), (281, 3165), (327, 3333), (338, 3393), (375, 3483), (380, 3504), (405, 3594), (433, 3702), (445, 3741), (452, 3762), (454, 3768), (458, 3786), (506, 3942), (539, 4020),

Gene: Manu_14 Start: 7029, Stop: 8729, Start Num: 52

Candidate Starts for Manu_14:

(Start: 52 @7029 has 102 MA's), (71, 7077), (Start: 110 @7149 has 1 MA's), (139, 7212), (207, 7491), (Start: 245 @7689 has 1 MA's), (265, 7779), (284, 7842), (316, 8004), (375, 8202), (381, 8226), (382, 8229), (402, 8292), (405, 8304), (407, 8313), (411, 8331), (416, 8352), (445, 8448), (461, 8502), (480, 8538), (517, 8685), (535, 8715), (537, 8718),

Gene: MarQuardt_13 Start: 6958, Stop: 8658, Start Num: 52

Candidate Starts for MarQuardt_13:

(Start: 52 @6958 has 102 MA's), (71, 7006), (139, 7141), (184, 7333), (207, 7420), (Start: 245 @7618 has 1 MA's), (265, 7708), (284, 7771), (316, 7933), (375, 8131), (381, 8155), (382, 8158), (402, 8221), (407, 8242), (416, 8281), (445, 8377), (461, 8431), (480, 8467), (517, 8614), (535, 8644), (537, 8647),

Gene: Marav_9 Start: 3096, Stop: 4742, Start Num: 39

Candidate Starts for Marav_9:

(Start: 39 @3096 has 86 MA's), (Start: 117 @3246 has 2 MA's), (165, 3366), (Start: 169 @3399 has 2 MA's), (192, 3492), (194, 3498), (196, 3507), (201, 3534), (208, 3555), (231, 3642), (240, 3714), (Start: 245 @3738 has 1 MA's), (268, 3837), (276, 3873), (286, 3891), (303, 3978), (319, 4014), (327, 4050), (375, 4200), (380, 4221), (405, 4311), (411, 4338), (433, 4419), (445, 4458), (452, 4479), (458, 4503), (485, 4563), (506, 4659),

Gene: Marcell_11 Start: 6934, Stop: 8622, Start Num: 51

Candidate Starts for Marcell_11:

(Start: 51 @6934 has 557 MA's), (165, 7198), (166, 7222), (207, 7384), (213, 7417), (233, 7492), (Start: 245 @7582 has 1 MA's), (250, 7606), (258, 7633), (267, 7681), (287, 7750), (306, 7837), (316, 7897), (382, 8122), (385, 8131), (389, 8143), (402, 8185), (407, 8206), (414, 8233), (445, 8341), (480, 8431), (503, 8536),

Gene: Marchy_9 Start: 6561, Stop: 8249, Start Num: 51

Candidate Starts for Marchy_9:

(Start: 51 @6561 has 557 MA's), (165, 6825), (166, 6849), (207, 7011), (213, 7044), (233, 7119), (Start: 245 @7209 has 1 MA's), (250, 7233), (267, 7308), (306, 7464), (307, 7473), (315, 7521), (316, 7524), (382, 7749), (385, 7758), (389, 7770), (402, 7812), (407, 7833), (414, 7860), (445, 7968), (480, 8058), (503, 8163),

Gene: Margaret_7 Start: 1862, Stop: 3562, Start Num: 85

Candidate Starts for Margaret_7:

(Start: 85 @1862 has 9 MA's), (Start: 110 @1916 has 1 MA's), (116, 1937), (125, 1964), (156, 2039), (161, 2075), (176, 2153), (194, 2228), (196, 2237), (207, 2282), (217, 2333), (238, 2432), (257, 2522), (276, 2612), (289, 2666), (308, 2741), (333, 2879), (365, 2939), (367, 2945), (376, 3011), (378, 3017), (402, 3101), (407, 3122), (425, 3182), (426, 3188), (433, 3221), (472, 3326), (505, 3455), (506, 3458), (519, 3503), (535, 3548), (537, 3551),

Gene: Marge_12 Start: 7457, Stop: 9145, Start Num: 54

Candidate Starts for Marge_12:

(Start: 54 @7457 has 35 MA's), (Start: 143 @7637 has 2 MA's), (165, 7721), (167, 7748), (170, 7757), (207, 7907), (213, 7940), (233, 8015), (Start: 245 @8105 has 1 MA's), (250, 8129), (258, 8156), (267, 8204), (287, 8273), (306, 8360), (316, 8420), (382, 8645), (385, 8654), (389, 8666), (402, 8708), (407, 8729), (414, 8756), (445, 8864), (480, 8954), (503, 9059),

Gene: Margo_12 Start: 7069, Stop: 8766, Start Num: 51

Candidate Starts for Margo_12:

(Start: 51 @7069 has 557 MA's), (Start: 65 @7093 has 1 MA's), (165, 7339), (203, 7513), (207, 7525), (215, 7564), (220, 7576), (233, 7633), (236, 7657), (Start: 245 @7723 has 1 MA's), (247, 7732), (265, 7813), (274, 7846), (306, 7978), (308, 7990), (318, 8044), (324, 8065), (329, 8098), (348, 8152), (375, 8239), (381, 8263), (382, 8266), (384, 8272), (387, 8281), (402, 8329), (411, 8368), (412, 8371), (416, 8389), (445, 8485), (461, 8539), (507, 8692), (517, 8722), (535, 8752), (537, 8755),

Gene: Marie_13 Start: 6955, Stop: 8655, Start Num: 52

Candidate Starts for Marie_13:

(Start: 52 @6955 has 102 MA's), (71, 7003), (139, 7138), (184, 7330), (207, 7417), (214, 7453), (Start: 245 @7615 has 1 MA's), (265, 7705), (284, 7768), (316, 7930), (375, 8128), (381, 8152), (382, 8155), (402, 8218), (407, 8239), (416, 8278), (445, 8374), (461, 8428), (480, 8464), (517, 8611), (535, 8641), (537, 8644),

Gene: Marius_14 Start: 7029, Stop: 8729, Start Num: 52

Candidate Starts for Marius_14:

(Start: 52 @7029 has 102 MA's), (71, 7077), (Start: 110 @7149 has 1 MA's), (139, 7212), (207, 7491), (Start: 245 @7689 has 1 MA's), (265, 7779), (284, 7842), (316, 8004), (375, 8202), (381, 8226), (382, 8229), (402, 8292), (405, 8304), (407, 8313), (411, 8331), (416, 8352), (445, 8448), (461, 8502), (480, 8538), (517, 8685), (535, 8715), (537, 8718),

Gene: Maroc7_10 Start: 6747, Stop: 8435, Start Num: 51

Candidate Starts for Maroc7_10:

(Start: 51 @6747 has 557 MA's), (165, 7011), (166, 7035), (207, 7197), (213, 7230), (233, 7305), (Start: 245 @7395 has 1 MA's), (250, 7419), (258, 7446), (267, 7494), (287, 7563), (302, 7638), (306, 7650), (316, 7710), (385, 7944), (389, 7956), (402, 7998), (407, 8019), (414, 8046), (445, 8154), (480, 8244), (503, 8349),

Gene: Marsha_11 Start: 7191, Stop: 8879, Start Num: 51

Candidate Starts for Marsha_11:

(Start: 51 @7191 has 557 MA's), (Start: 143 @7371 has 2 MA's), (165, 7455), (170, 7491), (175, 7518), (207, 7641), (233, 7749), (Start: 245 @7839 has 1 MA's), (250, 7863), (258, 7890), (267, 7938), (306, 8094), (316, 8154), (382, 8379), (385, 8388), (389, 8400), (402, 8442), (407, 8463), (414, 8490), (445, 8598), (480, 8688), (503, 8793),

Gene: Marteena_2 Start: 485, Stop: 2284, Start Num: 52

Candidate Starts for Marteena_2:

(Start: 52 @485 has 102 MA's), (115, 623), (122, 650), (159, 782), (161, 797), (178, 881), (185, 911), (189, 923), (192, 932), (200, 971), (207, 992), (223, 1052), (230, 1076), (239, 1148), (247, 1184), (255, 1220), (275, 1310), (279, 1331), (288, 1376), (289, 1382), (292, 1400), (298, 1415), (357, 1589), (368, 1616), (382, 1685), (384, 1691), (402, 1757), (405, 1769), (411, 1796), (433, 1907), (439, 1943), (445, 1955), (446, 1961), (454, 1979), (461, 2006), (469, 2030), (484, 2093), (492, 2135), (505, 2192), (508, 2207), (514, 2222), (535, 2270), (537, 2273),

Gene: Marvin_33 Start: 11120, Stop: 12862, Start Num: 87

Candidate Starts for Marvin_33:

(Start: 87 @11120 has 64 MA's), (139, 11237), (152, 11282), (160, 11348), (162, 11363), (166, 11396), (167, 11399), (171, 11414), (176, 11438), (177, 11441), (184, 11471), (190, 11492), (192, 11510), (195, 11519), (202, 11555), (207, 11570), (217, 11615), (231, 11657), (235, 11696), (238, 11708), (240, 11729), (251, 11780), (258, 11801), (312, 12023), (333, 12128), (334, 12137), (356, 12170), (367, 12191), (368, 12194), (371, 12221), (375, 12251), (378, 12263), (382, 12278), (385, 12287), (387, 12293), (397, 12335), (400, 12344), (403, 12359), (407, 12374), (425, 12434), (431, 12473), (441, 12506), (452, 12536), (453, 12539), (471, 12623), (485, 12677), (488, 12692), (495, 12719), (506, 12773), (533, 12845), (535, 12848),

Gene: MaryBeth_11 Start: 7169, Stop: 8857, Start Num: 51

Candidate Starts for MaryBeth_11:

(Start: 51 @7169 has 557 MA's), (Start: 143 @7349 has 2 MA's), (165, 7433), (170, 7469), (207, 7619), (233, 7727), (Start: 245 @7817 has 1 MA's), (250, 7841), (258, 7868), (267, 7916), (287, 7985), (302, 8060), (306, 8072), (316, 8132), (382, 8357), (385, 8366), (389, 8378), (402, 8420), (407, 8441), (414, 8468), (445, 8576), (480, 8666), (503, 8771),

Gene: MarysWell_8 Start: 6156, Stop: 7907, Start Num: 31

Candidate Starts for MarysWell_8:

(Start: 28 @6129 has 19 MA's), (Start: 31 @6156 has 29 MA's), (58, 6225), (112, 6339), (114, 6345), (161, 6477), (175, 6552), (176, 6555), (184, 6588), (194, 6621), (221, 6729), (227, 6753), (233, 6786), (Start: 245 @6861 has 1 MA's), (256, 6906), (271, 6984), (274, 6990), (310, 7155), (318, 7188), (324, 7209), (375, 7383), (381, 7407), (382, 7410), (402, 7470), (405, 7482), (411, 7509), (416, 7530), (439, 7614), (445, 7626), (481, 7719), (517, 7863), (537, 7896), (539, 7902),

Gene: Maureen_2 Start: 532, Stop: 2271, Start Num: 55

Candidate Starts for Maureen_2:

(Start: 55 @532 has 34 MA's), (78, 592), (Start: 85 @601 has 9 MA's), (Start: 110 @655 has 1 MA's), (157, 778), (185, 916), (189, 928), (196, 952), (207, 997), (218, 1045), (238, 1138), (257, 1237), (258, 1240), (269, 1297), (292, 1399), (293, 1402), (318, 1468), (330, 1525), (346, 1594), (382, 1714), (433, 1906), (445, 1942), (449, 1957), (492, 2122), (508, 2194), (513, 2209), (516, 2212), (535, 2257),

Gene: Maverick_11 Start: 6884, Stop: 8581, Start Num: 51

Candidate Starts for Maverick_11:

(Start: 51 @6884 has 557 MA's), (Start: 65 @6908 has 1 MA's), (Start: 117 @7031 has 2 MA's), (157, 7121), (165, 7154), (184, 7253), (206, 7337), (207, 7340), (215, 7379), (233, 7448), (236, 7472), (Start: 245 @7538 has 1 MA's), (265, 7628), (306, 7793), (324, 7880), (329, 7913), (354, 7979), (374, 8051), (375, 8054), (381, 8078), (399, 8129), (402, 8144), (411, 8183), (416, 8204), (445, 8300), (517, 8537), (535, 8567), (537, 8570),

Gene: Maxo_11 Start: 6885, Stop: 8582, Start Num: 51

Candidate Starts for Maxo_11:

(Start: 51 @6885 has 557 MA's), (Start: 65 @6909 has 1 MA's), (Start: 117 @7032 has 2 MA's), (157, 7122), (165, 7155), (184, 7254), (206, 7338), (207, 7341), (215, 7380), (233, 7449), (236, 7473), (Start: 245 @7539 has 1 MA's), (265, 7629), (306, 7794), (324, 7881), (329, 7914), (354, 7980), (374, 8052), (375, 8055), (381, 8079), (399, 8130), (402, 8145), (411, 8184), (416, 8205), (445, 8301), (517, 8538), (535, 8568), (537, 8571),

Gene: Mayweather_5 Start: 1518, Stop: 3194, Start Num: 87

Candidate Starts for Mayweather_5:

(Start: 87 @1518 has 64 MA's), (Start: 110 @1569 has 1 MA's), (116, 1590), (140, 1635), (152, 1677), (161, 1713), (174, 1779), (189, 1842), (196, 1875), (204, 1911), (207, 1920), (208, 1923), (217, 1971), (238, 2070), (240, 2091), (248, 2127), (252, 2148), (261, 2184), (276, 2250), (289, 2304), (328, 2484), (333, 2517), (367, 2583), (368, 2586), (376, 2649), (378, 2655), (425, 2820), (431, 2853), (454, 2922), (485, 3000), (486, 3003), (505, 3093), (507, 3099), (512, 3120), (535, 3180), (537, 3183),

Gene: Mazhar510_11 Start: 6885, Stop: 8582, Start Num: 51

Candidate Starts for Mazhar510_11:

(Start: 51 @6885 has 557 MA's), (Start: 65 @6909 has 1 MA's), (Start: 117 @7032 has 2 MA's), (157, 7122), (165, 7155), (184, 7254), (206, 7338), (207, 7341), (215, 7380), (233, 7449), (236, 7473), (Start: 245 @7539 has 1 MA's), (265, 7629), (306, 7794), (324, 7881), (329, 7914), (354, 7980), (374, 8052), (375, 8055), (381, 8079), (399, 8130), (402, 8145), (411, 8184), (416, 8205), (445, 8301), (517, 8538), (535, 8568), (537, 8571),

Gene: McFly_15 Start: 7533, Stop: 9287, Start Num: 51

Candidate Starts for McFly_15:

(Start: 51 @7533 has 557 MA's), (136, 7764), (152, 7815), (161, 7851), (175, 7926), (207, 8049), (215, 8088), (233, 8157), (236, 8181), (237, 8184), (Start: 245 @8247 has 1 MA's), (250, 8271), (274, 8370), (275, 8373), (284, 8400), (286, 8403), (354, 8688), (378, 8775), (381, 8787), (402, 8850), (411, 8889),

(416, 8910), (439, 8994), (445, 9006), (517, 9243), (533, 9270), (535, 9273),

Gene: McGuire_12 Start: 7052, Stop: 8740, Start Num: 51

Candidate Starts for McGuire_12:

(Start: 51 @7052 has 557 MA's), (Start: 143 @7232 has 2 MA's), (165, 7316), (170, 7352), (175, 7379), (207, 7502), (233, 7610), (Start: 245 @7700 has 1 MA's), (250, 7724), (258, 7751), (267, 7799), (306, 7955), (315, 8012), (316, 8015), (385, 8249), (389, 8261), (402, 8303), (407, 8324), (414, 8351), (445, 8459), (480, 8549), (503, 8654),

Gene: Medusa_11 Start: 6884, Stop: 8581, Start Num: 51

Candidate Starts for Medusa_11:

(Start: 51 @6884 has 557 MA's), (Start: 65 @6908 has 1 MA's), (Start: 117 @7031 has 2 MA's), (157, 7121), (165, 7154), (184, 7253), (206, 7337), (207, 7340), (215, 7379), (233, 7448), (236, 7472), (Start: 245 @7538 has 1 MA's), (265, 7628), (306, 7793), (324, 7880), (329, 7913), (354, 7979), (374, 8051), (375, 8054), (381, 8078), (399, 8129), (402, 8144), (411, 8183), (416, 8204), (445, 8300), (517, 8537), (535, 8567), (537, 8570),

Gene: MeeZee_11 Start: 6884, Stop: 8581, Start Num: 51

Candidate Starts for MeeZee_11:

(Start: 51 @6884 has 557 MA's), (Start: 65 @6908 has 1 MA's), (Start: 117 @7031 has 2 MA's), (157, 7121), (165, 7154), (184, 7253), (206, 7337), (207, 7340), (215, 7379), (233, 7448), (236, 7472), (Start: 245 @7538 has 1 MA's), (265, 7628), (306, 7793), (324, 7880), (329, 7913), (354, 7979), (374, 8051), (375, 8054), (381, 8078), (399, 8129), (402, 8144), (411, 8183), (416, 8204), (445, 8300), (517, 8537), (535, 8567), (537, 8570),

Gene: Melvin_11 Start: 6884, Stop: 8581, Start Num: 51

Candidate Starts for Melvin_11:

(Start: 51 @6884 has 557 MA's), (Start: 65 @6908 has 1 MA's), (Start: 117 @7031 has 2 MA's), (157, 7121), (165, 7154), (184, 7253), (206, 7337), (207, 7340), (215, 7379), (233, 7448), (236, 7472), (Start: 245 @7538 has 1 MA's), (265, 7628), (306, 7793), (324, 7880), (329, 7913), (354, 7979), (374, 8051), (375, 8054), (381, 8078), (399, 8129), (402, 8144), (411, 8183), (416, 8204), (445, 8300), (517, 8537), (535, 8567), (537, 8570),

Gene: Mendokysei_2 Start: 535, Stop: 2514, Start Num: 19

Candidate Starts for Mendokysei_2:

(Start: 19 @535 has 1 MA's), (Start: 39 @631 has 86 MA's), (120, 817), (124, 829), (195, 1108), (196, 1114), (201, 1141), (207, 1159), (224, 1222), (248, 1357), (292, 1573), (296, 1582), (311, 1615), (376, 1834), (394, 1885), (395, 1888), (396, 1909), (408, 1960), (412, 1975), (425, 2047), (434, 2089), (437, 2098), (441, 2128), (445, 2137), (460, 2188), (468, 2209), (479, 2308), (481, 2314), (485, 2326), (505, 2419), (508, 2434), (509, 2437), (532, 2497),

Gene: MetalQZJ_11 Start: 7169, Stop: 8857, Start Num: 51

Candidate Starts for MetalQZJ_11:

(Start: 51 @7169 has 557 MA's), (Start: 143 @7349 has 2 MA's), (165, 7433), (170, 7469), (207, 7619), (233, 7727), (Start: 245 @7817 has 1 MA's), (250, 7841), (258, 7868), (267, 7916), (287, 7985), (302, 8060), (306, 8072), (316, 8132), (382, 8357), (385, 8366), (389, 8378), (402, 8420), (407, 8441), (414, 8468), (445, 8576), (480, 8666), (503, 8771),

Gene: Methuselah_13 Start: 7040, Stop: 8740, Start Num: 52

Candidate Starts for Methuselah_13:

(Start: 52 @7040 has 102 MA's), (71, 7088), (139, 7223), (184, 7415), (207, 7502), (Start: 245 @7700 has 1 MA's), (265, 7790), (284, 7853), (316, 8015), (375, 8213), (381, 8237), (382, 8240), (402, 8303), (407, 8324), (416, 8363), (445, 8459), (461, 8513), (480, 8549), (517, 8696), (535, 8726), (537, 8729),

Gene: Micasa_8 Start: 6157, Stop: 7908, Start Num: 31

Candidate Starts for Micasa_8:

(Start: 28 @6130 has 19 MA's), (Start: 31 @6157 has 29 MA's), (58, 6226), (112, 6340), (114, 6346), (161, 6478), (175, 6553), (176, 6556), (184, 6589), (194, 6622), (221, 6730), (227, 6754), (233, 6787), (Start: 245 @6862 has 1 MA's), (256, 6907), (271, 6985), (274, 6991), (287, 7036), (310, 7156), (318, 7189), (324, 7210), (375, 7384), (381, 7408), (382, 7411), (402, 7471), (405, 7483), (411, 7510), (416, 7531), (439, 7615), (445, 7627), (517, 7864), (537, 7897), (539, 7903),

Gene: Michley_11 Start: 6917, Stop: 8605, Start Num: 51

Candidate Starts for Michley_11:

(Start: 51 @6917 has 557 MA's), (165, 7181), (166, 7205), (207, 7367), (209, 7382), (213, 7400), (Start: 245 @7565 has 1 MA's), (250, 7589), (258, 7616), (267, 7664), (316, 7880), (385, 8114), (389, 8126), (402, 8168), (407, 8189), (414, 8216), (445, 8324), (480, 8414), (503, 8519),

Gene: Microwolf_13 Start: 6958, Stop: 8658, Start Num: 52

Candidate Starts for Microwolf_13:

(Start: 52 @6958 has 102 MA's), (71, 7006), (139, 7141), (184, 7333), (207, 7420), (Start: 245 @7618 has 1 MA's), (265, 7708), (284, 7771), (316, 7933), (375, 8131), (381, 8155), (382, 8158), (402, 8221), (407, 8242), (416, 8281), (445, 8377), (461, 8431), (480, 8467), (517, 8614), (535, 8644), (537, 8647),

Gene: MiculUcigas_12 Start: 7484, Stop: 9271, Start Num: 51

Candidate Starts for MiculUcigas_12:

(25, 7400), (Start: 51 @7484 has 557 MA's), (102, 7592), (111, 7613), (136, 7721), (206, 8003), (207, 8006), (233, 8114), (Start: 245 @8204 has 1 MA's), (250, 8228), (286, 8360), (375, 8747), (411, 8873), (416, 8894), (439, 8978), (445, 8990), (517, 9227), (533, 9254), (535, 9257), (537, 9260), (538, 9263),

Gene: Midas2_9 Start: 6156, Stop: 7907, Start Num: 31

Candidate Starts for Midas2_9:

(Start: 28 @6129 has 19 MA's), (Start: 31 @6156 has 29 MA's), (58, 6225), (112, 6339), (114, 6345), (161, 6477), (175, 6552), (176, 6555), (184, 6588), (194, 6621), (221, 6729), (227, 6753), (233, 6786), (Start: 245 @6861 has 1 MA's), (256, 6906), (271, 6984), (274, 6990), (310, 7155), (318, 7188), (324, 7209), (375, 7383), (381, 7407), (382, 7410), (402, 7470), (405, 7482), (411, 7509), (416, 7530), (439, 7614), (445, 7626), (517, 7863), (537, 7896), (539, 7902),

Gene: Miko_15 Start: 9110, Stop: 10891, Start Num: 51

Candidate Starts for Miko_15:

(21, 8990), (38, 9083), (Start: 51 @9110 has 557 MA's), (114, 9242), (131, 9317), (136, 9341), (152, 9392), (206, 9623), (207, 9626), (215, 9665), (233, 9734), (Start: 245 @9824 has 1 MA's), (250, 9848), (274, 9947), (284, 9977), (286, 9980), (308, 10091), (399, 10439), (402, 10454), (405, 10466), (411, 10493), (416, 10514), (445, 10610), (517, 10847), (533, 10874), (535, 10877),

Gene: Milcery_9 Start: 6166, Stop: 7944, Start Num: 28

Candidate Starts for Milcery_9:

(Start: 28 @6166 has 19 MA's), (Start: 31 @6193 has 29 MA's), (58, 6262), (112, 6376), (114, 6382), (161, 6514), (175, 6589), (176, 6592), (184, 6625), (194, 6658), (221, 6766), (227, 6790), (233, 6823), (Start: 245 @6898 has 1 MA's), (256, 6943), (271, 7021), (274, 7027), (287, 7072), (310, 7192), (318, 7225), (324, 7246), (375, 7420), (381, 7444), (382, 7447), (402, 7507), (405, 7519), (411, 7546), (416, 7567), (439, 7651), (445, 7663), (517, 7900), (537, 7933), (539, 7939),

Gene: Millski_11 Start: 6887, Stop: 8584, Start Num: 52

Candidate Starts for Millski_11:

(Start: 52 @6887 has 102 MA's), (Start: 65 @6911 has 1 MA's), (Start: 117 @7034 has 2 MA's), (157, 7124), (165, 7157), (184, 7256), (206, 7340), (207, 7343), (215, 7382), (233, 7451), (236, 7475), (Start: 245 @7541 has 1 MA's), (265, 7631), (306, 7796), (324, 7883), (329, 7916), (354, 7982), (374, 8054), (375, 8057), (381, 8081), (399, 8132), (402, 8147), (411, 8186), (416, 8207), (445, 8303), (517, 8540), (535, 8570), (537, 8573),

Gene: MinecraftSteve_15 Start: 6808, Stop: 8505, Start Num: 51

Candidate Starts for MinecraftSteve_15:

(Start: 51 @6808 has 557 MA's), (62, 6826), (139, 6988), (175, 7144), (194, 7213), (207, 7267), (233, 7375), (237, 7402), (Start: 245 @7465 has 1 MA's), (250, 7489), (381, 8005), (402, 8068), (412, 8110), (445, 8224), (485, 8329), (517, 8461), (533, 8488), (535, 8491), (537, 8494),

Gene: MiniMommy_2 Start: 550, Stop: 2277, Start Num: 39

Candidate Starts for MiniMommy_2:

(27, 490), (Start: 39 @550 has 86 MA's), (Start: 110 @661 has 1 MA's), (189, 934), (201, 985), (207, 1003), (209, 1021), (218, 1051), (238, 1144), (382, 1720), (425, 1873), (445, 1948), (449, 1963), (485, 2092), (508, 2200), (535, 2263),

Gene: Miramae_11 Start: 6847, Stop: 8535, Start Num: 51

Candidate Starts for Miramae_11:

(Start: 51 @6847 has 557 MA's), (165, 7108), (206, 7291), (207, 7294), (215, 7333), (233, 7402), (236, 7426), (241, 7456), (Start: 245 @7492 has 1 MA's), (265, 7582), (306, 7747), (313, 7792), (324, 7834), (329, 7867), (354, 7933), (375, 8008), (381, 8032), (402, 8098), (411, 8137), (416, 8158), (445, 8254), (517, 8491), (535, 8521), (537, 8524),

Gene: Miskis_32 Start: 8458, Stop: 10206, Start Num: 84

Candidate Starts for Miskis_32:

(Start: 84 @8458 has 21 MA's), (99, 8488), (149, 8614), (150, 8617), (180, 8803), (187, 8842), (195, 8866), (206, 8914), (211, 8941), (218, 8971), (257, 9163), (260, 9181), (297, 9343), (314, 9391), (319, 9406), (365, 9589), (367, 9595), (381, 9679), (404, 9766), (412, 9799), (445, 9913), (456, 9949), (466, 9973), (470, 9988), (520, 10162), (526, 10168),

Gene: Misomonster_15 Start: 7040, Stop: 8740, Start Num: 52

Candidate Starts for Misomonster_15:

(Start: 52 @7040 has 102 MA's), (71, 7088), (139, 7223), (184, 7415), (207, 7502), (Start: 245 @7700 has 1 MA's), (265, 7790), (284, 7853), (316, 8015), (375, 8213), (381, 8237), (382, 8240), (402, 8303), (407, 8324), (416, 8363), (445, 8459), (461, 8513), (480, 8549), (517, 8696), (535, 8726), (537, 8729),

Gene: MissSwiss_2 Start: 551, Stop: 2257, Start Num: 57

Candidate Starts for MissSwiss_2:

(Start: 57 @551 has 5 MA's), (101, 617), (193, 923), (207, 980), (218, 1028), (238, 1118), (241, 1142), (247, 1172), (274, 1292), (330, 1505), (337, 1544), (433, 1886), (445, 1922), (449, 1937), (455, 1955), (485, 2072), (506, 2168), (508, 2180),

Gene: MissWhite_12 Start: 6502, Stop: 8256, Start Num: 51

Candidate Starts for MissWhite_12:

(Start: 51 @6502 has 557 MA's), (Start: 117 @6646 has 2 MA's), (136, 6733), (161, 6820), (206, 7015), (207, 7018), (215, 7057), (233, 7126), (Start: 245 @7216 has 1 MA's), (250, 7240), (274, 7339), (275, 7342), (284, 7369), (286, 7372), (351, 7657), (375, 7732), (378, 7744), (381, 7756), (399, 7804), (402, 7819), (416, 7879), (439, 7963), (445, 7975), (517, 8212), (533, 8239), (535, 8242), (537, 8245),

Gene: Molly_12 Start: 6777, Stop: 8465, Start Num: 51

Candidate Starts for Molly_12:

(Start: 51 @6777 has 557 MA's), (Start: 143 @6957 has 2 MA's), (165, 7041), (170, 7077), (175, 7104), (199, 7200), (207, 7227), (213, 7260), (233, 7335), (Start: 245 @7425 has 1 MA's), (250, 7449), (258, 7476), (267, 7524), (287, 7593), (306, 7680), (316, 7740), (382, 7965), (385, 7974), (389, 7986), (402, 8028), (407, 8049), (414, 8076), (445, 8184), (480, 8274), (503, 8379),

Gene: Mollymur_13 Start: 6996, Stop: 8732, Start Num: 84

Candidate Starts for Mollymur_13:

(Start: 84 @6996 has 21 MA's), (114, 7068), (171, 7257), (184, 7368), (195, 7404), (216, 7500), (Start: 245 @7644 has 1 MA's), (251, 7671), (260, 7719), (267, 7752), (315, 7926), (326, 7971), (367, 8124), (445, 8442), (492, 8586), (506, 8646),

Gene: Monet_13 Start: 7974, Stop: 9662, Start Num: 54

Candidate Starts for Monet_13:

(Start: 54 @7974 has 35 MA's), (Start: 143 @8154 has 2 MA's), (165, 8238), (167, 8265), (170, 8274), (207, 8424), (213, 8457), (233, 8532), (Start: 245 @8622 has 1 MA's), (250, 8646), (258, 8673), (267, 8721), (287, 8790), (306, 8877), (316, 8937), (382, 9162), (385, 9171), (389, 9183), (402, 9225), (407, 9246), (414, 9273), (445, 9381), (480, 9471), (503, 9576),

Gene: MoneyMay_13 Start: 6955, Stop: 8655, Start Num: 52

Candidate Starts for MoneyMay_13:

(Start: 52 @6955 has 102 MA's), (71, 7003), (139, 7138), (184, 7330), (207, 7417), (214, 7453), (Start: 245 @7615 has 1 MA's), (265, 7705), (284, 7768), (316, 7930), (375, 8128), (381, 8152), (382, 8155), (402, 8218), (407, 8239), (416, 8278), (445, 8374), (461, 8428), (480, 8464), (517, 8611), (535, 8641), (537, 8644),

Gene: Moose_10 Start: 7010, Stop: 8698, Start Num: 51

Candidate Starts for Moose_10:

(Start: 51 @7010 has 557 MA's), (Start: 143 @7190 has 2 MA's), (165, 7274), (170, 7310), (207, 7460), (233, 7568), (Start: 245 @7658 has 1 MA's), (250, 7682), (267, 7757), (287, 7826), (306, 7913), (316, 7973), (385, 8207), (389, 8219), (402, 8261), (407, 8282), (414, 8309), (445, 8417), (480, 8507), (503, 8612),

Gene: Morpher26_11 Start: 6893, Stop: 8590, Start Num: 51

Candidate Starts for Morpher26_11:

(Start: 51 @6893 has 557 MA's), (Start: 65 @6917 has 1 MA's), (165, 7163), (206, 7346), (207, 7349), (215, 7388), (233, 7457), (236, 7481), (Start: 245 @7547 has 1 MA's), (265, 7637), (306, 7802), (324, 7889), (366, 8015), (375, 8063), (381, 8087), (402, 8153), (411, 8192), (416, 8213), (445, 8309), (516, 8543), (517, 8546), (535, 8576), (537, 8579),

Gene: Morrow_11 Start: 6887, Stop: 8584, Start Num: 52

Candidate Starts for Morrow_11:

(13, 6707), (17, 6725), (Start: 19 @6755 has 1 MA's), (Start: 52 @6887 has 102 MA's), (Start: 65 @6911 has 1 MA's), (Start: 117 @7034 has 2 MA's), (157, 7124), (165, 7157), (206, 7340), (207, 7343), (215, 7382), (233, 7451), (236, 7475), (Start: 245 @7541 has 1 MA's), (265, 7631), (306, 7796), (324, 7883), (329, 7916), (354, 7982), (374, 8054), (375, 8057), (381, 8081), (399, 8132), (402, 8147), (411, 8186), (416, 8207), (445, 8303), (517, 8540), (535, 8570), (537, 8573),

Gene: MortyNRick_2 Start: 453, Stop: 2147, Start Num: 73

Candidate Starts for MortyNRick_2:

(29, 324), (35, 357), (Start: 36 @360 has 1 MA's), (59, 411), (Start: 64 @420 has 1 MA's), (Start: 73 @453 has 1 MA's), (Start: 87 @486 has 64 MA's), (Start: 110 @537 has 1 MA's), (114, 549), (121, 576), (139, 597), (159, 666), (161, 681), (167, 720), (174, 747), (175, 756), (176, 759), (184, 792), (191, 825), (192, 828), (196, 843), (204, 879), (205, 882), (207, 888), (210, 903), (211, 906), (219,

942), (233, 996), (240, 1047), (Start: 245 @1071 has 1 MA's), (265, 1158), (280, 1218), (286, 1227), (289, 1263), (299, 1299), (309, 1341), (317, 1395), (324, 1419), (328, 1443), (340, 1503), (350, 1509), (371, 1572), (381, 1626), (387, 1644), (402, 1701), (405, 1713), (411, 1740), (433, 1821), (442, 1851), (455, 1890), (462, 1914), (481, 1950), (485, 1962), (486, 1965), (506, 2058), (507, 2061), (510, 2079), (522, 2100), (530, 2121), (537, 2136),

Gene: MosMoris_33 Start: 10300, Stop: 12042, Start Num: 87

Candidate Starts for MosMoris_33:

(Start: 87 @10300 has 64 MA's), (139, 10417), (152, 10462), (160, 10528), (162, 10543), (166, 10576), (167, 10579), (171, 10594), (176, 10618), (177, 10621), (184, 10651), (190, 10672), (192, 10690), (195, 10699), (202, 10735), (207, 10750), (217, 10795), (231, 10837), (235, 10876), (238, 10888), (240, 10909), (251, 10960), (258, 10981), (312, 11203), (333, 11308), (334, 11317), (356, 11350), (367, 11371), (368, 11374), (371, 11401), (375, 11431), (378, 11443), (382, 11458), (385, 11467), (387, 11473), (397, 11515), (400, 11524), (403, 11539), (407, 11554), (425, 11614), (431, 11653), (441, 11686), (452, 11716), (453, 11719), (471, 11803), (485, 11857), (488, 11872), (495, 11899), (506, 11953), (533, 12025), (535, 12028),

Gene: Moss_2 Start: 594, Stop: 2282, Start Num: 63

Candidate Starts for Moss_2:

(Start: 63 @594 has 4 MA's), (189, 939), (196, 963), (207, 1008), (230, 1095), (238, 1149), (244, 1188), (274, 1323), (298, 1425), (365, 1647), (375, 1698), (433, 1917), (445, 1953), (449, 1968), (506, 2193), (508, 2205), (513, 2220), (537, 2271),

Gene: MrGordo_11 Start: 6729, Stop: 8417, Start Num: 51

Candidate Starts for MrGordo_11:

(Start: 51 @6729 has 557 MA's), (165, 6993), (166, 7017), (207, 7179), (213, 7212), (233, 7287), (Start: 245 @7377 has 1 MA's), (250, 7401), (258, 7428), (267, 7476), (287, 7545), (306, 7632), (316, 7692), (385, 7926), (389, 7938), (402, 7980), (407, 8001), (414, 8028), (445, 8136), (480, 8226), (503, 8331),

Gene: Mryolo_10 Start: 6759, Stop: 8447, Start Num: 51

Candidate Starts for Mryolo_10:

(Start: 51 @6759 has 557 MA's), (Start: 143 @6939 has 2 MA's), (165, 7023), (170, 7059), (207, 7209), (233, 7317), (Start: 245 @7407 has 1 MA's), (250, 7431), (267, 7506), (271, 7524), (306, 7662), (316, 7722), (382, 7947), (385, 7956), (389, 7968), (402, 8010), (407, 8031), (414, 8058), (445, 8166), (480, 8256), (503, 8361),

Gene: MuchMore_15 Start: 6949, Stop: 8649, Start Num: 52

Candidate Starts for MuchMore_15:

(Start: 52 @6949 has 102 MA's), (71, 6997), (139, 7132), (184, 7324), (207, 7411), (Start: 245 @7609 has 1 MA's), (265, 7699), (284, 7762), (316, 7924), (375, 8122), (381, 8146), (382, 8149), (402, 8212), (407, 8233), (416, 8272), (445, 8368), (461, 8422), (480, 8458), (517, 8605), (535, 8635), (537, 8638),

Gene: Muddy_5 Start: 2008, Stop: 3672, Start Num: 87

Candidate Starts for Muddy_5:

(Start: 87 @2008 has 64 MA's), (105, 2047), (114, 2071), (161, 2200), (192, 2347), (196, 2362), (207, 2407), (217, 2455), (228, 2491), (237, 2548), (240, 2572), (248, 2608), (282, 2746), (293, 2806), (299, 2821), (308, 2860), (334, 3007), (371, 3097), (375, 3127), (405, 3232), (433, 3340), (442, 3370), (452, 3397), (455, 3409), (472, 3445), (473, 3448), (499, 3541), (510, 3598),

Gene: Mudpuppy_2 Start: 533, Stop: 2239, Start Num: 55

Candidate Starts for Mudpuppy_2:

(Start: 55 @533 has 34 MA's), (193, 905), (207, 962), (218, 1010), (238, 1100), (247, 1154), (274, 1274), (293, 1364), (337, 1526), (375, 1649), (445, 1904), (449, 1919), (485, 2054), (502, 2138), (508, 2162),

Gene: Mulciber_12 Start: 8024, Stop: 9787, Start Num: 51

Candidate Starts for Mulciber_12:

(Start: 51 @8024 has 557 MA's), (Start: 63 @8045 has 4 MA's), (102, 8132), (136, 8261), (146, 8285), (161, 8348), (194, 8492), (206, 8543), (207, 8546), (233, 8657), (236, 8681), (237, 8684), (Start: 245 @8747 has 1 MA's), (247, 8756), (250, 8771), (278, 8888), (286, 8903), (295, 8963), (313, 9047), (354, 9188), (378, 9275), (381, 9287), (399, 9335), (402, 9350), (411, 9389), (416, 9410), (428, 9449), (439, 9494), (445, 9506), (517, 9743), (533, 9770),

Gene: Mule_11 Start: 7045, Stop: 8733, Start Num: 51

Candidate Starts for Mule_11:

(Start: 51 @7045 has 557 MA's), (165, 7309), (166, 7333), (207, 7495), (213, 7528), (233, 7603), (Start: 245 @7693 has 1 MA's), (250, 7717), (258, 7744), (267, 7792), (306, 7948), (316, 8008), (382, 8233), (385, 8242), (389, 8254), (402, 8296), (407, 8317), (414, 8344), (445, 8452), (480, 8542), (503, 8647),

Gene: Munch_12 Start: 8024, Stop: 9787, Start Num: 51

Candidate Starts for Munch_12:

(Start: 51 @8024 has 557 MA's), (Start: 63 @8045 has 4 MA's), (102, 8132), (136, 8261), (146, 8285), (161, 8348), (194, 8492), (206, 8543), (207, 8546), (233, 8657), (236, 8681), (237, 8684), (Start: 245 @8747 has 1 MA's), (247, 8756), (250, 8771), (278, 8888), (286, 8903), (295, 8963), (313, 9047), (378, 9275), (381, 9287), (399, 9335), (402, 9350), (411, 9389), (416, 9410), (428, 9449), (439, 9494), (445, 9506), (517, 9743), (533, 9770),

Gene: Mundrea_11 Start: 6846, Stop: 8543, Start Num: 51

Candidate Starts for Mundrea_11:

(Start: 51 @6846 has 557 MA's), (Start: 65 @6870 has 1 MA's), (165, 7116), (206, 7299), (207, 7302), (215, 7341), (233, 7410), (236, 7434), (241, 7464), (Start: 245 @7500 has 1 MA's), (265, 7590), (306, 7755), (324, 7842), (329, 7875), (354, 7941), (374, 8013), (375, 8016), (381, 8040), (402, 8106), (411, 8145), (416, 8166), (445, 8262), (467, 8331), (516, 8496), (517, 8499), (535, 8529), (537, 8532),

Gene: MunkgeeRoachy_5 Start: 1161, Stop: 2840, Start Num: 87

Candidate Starts for MunkgeeRoachy_5:

(Start: 87 @1161 has 64 MA's), (Start: 110 @1212 has 1 MA's), (116, 1233), (Start: 117 @1236 has 2 MA's), (140, 1278), (161, 1359), (174, 1425), (175, 1434), (192, 1506), (196, 1521), (204, 1557), (207, 1566), (217, 1617), (238, 1716), (248, 1773), (257, 1806), (289, 1950), (299, 1986), (308, 2025), (312, 2058), (324, 2106), (329, 2139), (333, 2163), (350, 2196), (367, 2229), (374, 2286), (376, 2295), (401, 2379), (425, 2466), (452, 2562), (481, 2634), (485, 2646), (512, 2766), (535, 2826), (537, 2829),

Gene: Museum_13 Start: 7063, Stop: 8751, Start Num: 54

Candidate Starts for Museum_13:

(Start: 54 @7063 has 35 MA's), (139, 7234), (Start: 143 @7243 has 2 MA's), (165, 7327), (167, 7354), (170, 7363), (207, 7513), (213, 7546), (233, 7621), (Start: 245 @7711 has 1 MA's), (250, 7735), (258, 7762), (267, 7810), (306, 7966), (316, 8026), (382, 8251), (385, 8260), (389, 8272), (402, 8314), (407, 8335), (414, 8362), (445, 8470), (480, 8560), (503, 8665),

Gene: MyraDee_9 Start: 5029, Stop: 6714, Start Num: 56

Candidate Starts for MyraDee_9:

(Start: 56 @5029 has 1 MA's), (Start: 110 @5140 has 1 MA's), (114, 5152), (139, 5203), (170, 5332), (176, 5362), (206, 5476), (Start: 245 @5665 has 1 MA's), (256, 5710), (271, 5788), (275, 5797), (302,

5914), (310, 5959), (316, 5986), (318, 5992), (319, 5995), (375, 6187), (381, 6211), (382, 6214), (416, 6337), (445, 6433), (517, 6670), (535, 6700), (537, 6703),

Gene: Myxus_13 Start: 8109, Stop: 9896, Start Num: 51

Candidate Starts for Myxus_13:

(Start: 51 @8109 has 557 MA's), (Start: 60 @8124 has 10 MA's), (Start: 63 @8130 has 4 MA's), (114, 8241), (136, 8340), (175, 8502), (194, 8574), (207, 8628), (215, 8667), (233, 8739), (Start: 245 @8829 has 1 MA's), (250, 8853), (278, 8970), (286, 8985), (307, 9093), (323, 9168), (329, 9204), (343, 9264), (378, 9384), (384, 9405), (399, 9444), (411, 9498), (412, 9501), (416, 9519), (431, 9573), (439, 9603), (445, 9615), (480, 9705), (486, 9723), (517, 9852), (533, 9879), (535, 9882),

Gene: NEHalo_11 Start: 6571, Stop: 8259, Start Num: 51

Candidate Starts for NEHalo_11:

(Start: 51 @6571 has 557 MA's), (Start: 143 @6751 has 2 MA's), (165, 6835), (170, 6871), (175, 6898), (199, 6994), (207, 7021), (213, 7054), (233, 7129), (Start: 245 @7219 has 1 MA's), (250, 7243), (267, 7318), (306, 7474), (316, 7534), (382, 7759), (385, 7768), (389, 7780), (402, 7822), (407, 7843), (414, 7870), (445, 7978), (480, 8068), (503, 8173),

Gene: NaSiaTalie_12 Start: 7481, Stop: 9268, Start Num: 51

Candidate Starts for NaSiaTalie_12:

(25, 7397), (Start: 51 @7481 has 557 MA's), (102, 7589), (111, 7610), (132, 7700), (136, 7718), (206, 8000), (207, 8003), (233, 8111), (Start: 245 @8201 has 1 MA's), (250, 8225), (278, 8342), (286, 8357), (375, 8744), (411, 8870), (416, 8891), (439, 8975), (445, 8987), (517, 9224), (533, 9251), (535, 9254), (537, 9257), (538, 9260),

Gene: Nabi_6 Start: 2374, Stop: 4020, Start Num: 39

Candidate Starts for Nabi_6:

(Start: 39 @2374 has 86 MA's), (Start: 49 @2392 has 10 MA's), (152, 2596), (161, 2632), (201, 2812), (208, 2833), (219, 2878), (231, 2920), (240, 2992), (Start: 245 @3016 has 1 MA's), (268, 3115), (271, 3130), (278, 3154), (281, 3160), (327, 3328), (375, 3478), (380, 3499), (405, 3589), (433, 3697), (445, 3736), (452, 3757), (454, 3763), (458, 3781), (506, 3937), (539, 4015),

Gene: Naca_9 Start: 6070, Stop: 7848, Start Num: 28

Candidate Starts for Naca_9:

(Start: 28 @6070 has 19 MA's), (Start: 31 @6097 has 29 MA's), (Start: 53 @6157 has 36 MA's), (58, 6166), (Start: 72 @6205 has 1 MA's), (112, 6280), (114, 6286), (161, 6418), (175, 6493), (176, 6496), (221, 6670), (Start: 245 @6802 has 1 MA's), (256, 6847), (271, 6925), (274, 6931), (310, 7096), (318, 7129), (324, 7150), (375, 7324), (381, 7348), (411, 7450), (416, 7471), (431, 7525), (439, 7555), (445, 7567), (461, 7621), (516, 7801), (517, 7804), (537, 7837), (539, 7843),

Gene: Naiad_8 Start: 3156, Stop: 4838, Start Num: 53

Candidate Starts for Naiad_8:

(Start: 53 @3156 has 36 MA's), (Start: 143 @3342 has 2 MA's), (161, 3414), (165, 3426), (166, 3450), (170, 3462), (207, 3615), (209, 3630), (227, 3690), (Start: 245 @3798 has 1 MA's), (258, 3855), (304, 4053), (308, 4071), (318, 4125), (356, 4236), (368, 4269), (375, 4311), (384, 4344), (405, 4413), (445, 4557), (458, 4602), (485, 4662), (506, 4761), (517, 4794), (533, 4821), (535, 4824), (537, 4827),

Gene: Nairb_3 Start: 724, Stop: 2607, Start Num: 39

Candidate Starts for Nairb_3:

(9, 475), (Start: 39 @724 has 86 MA's), (Start: 75 @805 has 1 MA's), (83, 814), (120, 910), (124, 922), (161, 1054), (195, 1201), (196, 1207), (201, 1234), (207, 1252), (224, 1315), (248, 1450), (290, 1651), (311, 1708), (376, 1927), (394, 1978), (396, 2002), (408, 2053), (434, 2182), (441, 2221), (445, 2230), (460, 2281), (469, 2320), (481, 2407), (485, 2419), (505, 2512), (508, 2527), (509, 2530),

Gene: Naji_15 Start: 7375, Stop: 9162, Start Num: 51

Candidate Starts for Naji_15:

(16, 7216), (18, 7243), (Start: 51 @7375 has 557 MA's), (102, 7483), (111, 7504), (128, 7570), (136, 7612), (161, 7699), (206, 7894), (207, 7897), (233, 8005), (Start: 245 @8095 has 1 MA's), (250, 8119), (274, 8218), (284, 8248), (286, 8251), (308, 8362), (350, 8551), (399, 8710), (402, 8725), (405, 8737), (411, 8764), (416, 8785), (439, 8869), (445, 8881), (480, 8971), (517, 9118), (533, 9145), (535, 9148),

Gene: Nancinator_8 Start: 3156, Stop: 4838, Start Num: 53

Candidate Starts for Nancinator_8:

(Start: 53 @3156 has 36 MA's), (Start: 143 @3342 has 2 MA's), (161, 3414), (165, 3426), (166, 3450), (170, 3462), (207, 3615), (209, 3630), (227, 3690), (Start: 245 @3798 has 1 MA's), (258, 3855), (304, 4053), (308, 4071), (318, 4125), (356, 4236), (368, 4269), (375, 4311), (384, 4344), (405, 4413), (445, 4557), (458, 4602), (485, 4662), (506, 4761), (517, 4794), (533, 4821), (535, 4824), (537, 4827),

Gene: Nanodon_8 Start: 2573, Stop: 4219, Start Num: 39

Candidate Starts for Nanodon_8:

(Start: 39 @2573 has 86 MA's), (Start: 49 @2591 has 10 MA's), (152, 2795), (Start: 169 @2876 has 2 MA's), (201, 3011), (208, 3032), (219, 3077), (231, 3119), (240, 3191), (Start: 245 @3215 has 1 MA's), (268, 3314), (286, 3368), (327, 3527), (338, 3587), (380, 3698), (399, 3761), (405, 3788), (413, 3821), (433, 3896), (445, 3935), (452, 3956), (454, 3962), (458, 3980), (492, 4076), (506, 4136),

Gene: Natosaleda_8 Start: 3156, Stop: 4838, Start Num: 53

Candidate Starts for Natosaleda_8:

(Start: 53 @3156 has 36 MA's), (Start: 143 @3342 has 2 MA's), (161, 3414), (165, 3426), (166, 3450), (170, 3462), (207, 3615), (209, 3630), (227, 3690), (Start: 245 @3798 has 1 MA's), (258, 3855), (304, 4053), (308, 4071), (318, 4125), (356, 4236), (368, 4269), (375, 4311), (384, 4344), (405, 4413), (445, 4557), (458, 4602), (485, 4662), (506, 4761), (517, 4794), (533, 4821), (535, 4824), (537, 4827),

Gene: NearlyHeadless_9 Start: 5706, Stop: 7460, Start Num: 31

Candidate Starts for NearlyHeadless_9:

(Start: 31 @5706 has 29 MA's), (45, 5748), (Start: 65 @5787 has 1 MA's), (Start: 97 @5856 has 1 MA's), (114, 5895), (175, 6102), (227, 6303), (Start: 245 @6411 has 1 MA's), (274, 6540), (310, 6705), (318, 6738), (356, 6858), (375, 6933), (405, 7035), (407, 7044), (411, 7062), (416, 7083), (431, 7137), (445, 7179), (485, 7284), (506, 7383), (517, 7416), (537, 7449), (539, 7455),

Gene: Nebs_11 Start: 6884, Stop: 8581, Start Num: 51

Candidate Starts for Nebs_11:

(13, 6707), (17, 6725), (Start: 19 @6755 has 1 MA's), (Start: 51 @6884 has 557 MA's), (Start: 65 @6908 has 1 MA's), (Start: 117 @7031 has 2 MA's), (157, 7121), (165, 7154), (206, 7337), (207, 7340), (215, 7379), (233, 7448), (236, 7472), (Start: 245 @7538 has 1 MA's), (265, 7628), (306, 7793), (324, 7880), (329, 7913), (354, 7979), (374, 8051), (375, 8054), (381, 8078), (399, 8129), (402, 8144), (411, 8183), (416, 8204), (445, 8300), (517, 8537), (535, 8567), (537, 8570),

Gene: Nebulosus_14 Start: 6686, Stop: 8383, Start Num: 51

Candidate Starts for Nebulosus_14:

(Start: 51 @6686 has 557 MA's), (62, 6704), (139, 6866), (175, 7022), (194, 7091), (207, 7145), (233, 7253), (237, 7280), (Start: 245 @7343 has 1 MA's), (250, 7367), (381, 7883), (402, 7946), (412, 7988), (445, 8102), (485, 8207), (517, 8339), (533, 8366), (535, 8369), (537, 8372),

Gene: Nedarya_13 Start: 7279, Stop: 8973, Start Num: 51

Candidate Starts for Nedarya_13:

(Start: 51 @7279 has 557 MA's), (62, 7294), (139, 7456), (194, 7681), (207, 7735), (233, 7843), (Start: 245 @7933 has 1 MA's), (250, 7957), (278, 8074), (307, 8197), (348, 8362), (375, 8449), (381, 8473), (402, 8536), (405, 8548), (412, 8578), (445, 8692), (486, 8800), (517, 8929), (533, 8956), (535, 8959), (537, 8962),

Gene: Neeharika16_15 Start: 7523, Stop: 9277, Start Num: 51

Candidate Starts for Neeharika16_15:

(Start: 51 @7523 has 557 MA's), (136, 7754), (152, 7805), (161, 7841), (175, 7916), (207, 8039), (215, 8078), (233, 8147), (236, 8171), (237, 8174), (Start: 245 @8237 has 1 MA's), (250, 8261), (284, 8390), (286, 8393), (308, 8504), (348, 8666), (375, 8753), (378, 8765), (381, 8777), (399, 8825), (402, 8840), (411, 8879), (416, 8900), (439, 8984), (445, 8996), (517, 9233), (533, 9260), (535, 9263),

Gene: Nemo27_11 Start: 6907, Stop: 8580, Start Num: 65

Candidate Starts for Nemo27_11:

(Start: 51 @6883 has 557 MA's), (Start: 65 @6907 has 1 MA's), (Start: 117 @7030 has 2 MA's), (157, 7120), (165, 7153), (184, 7252), (206, 7336), (207, 7339), (215, 7378), (233, 7447), (236, 7471), (Start: 245 @7537 has 1 MA's), (265, 7627), (306, 7792), (324, 7879), (329, 7912), (354, 7978), (374, 8050), (375, 8053), (381, 8077), (399, 8128), (402, 8143), (411, 8182), (416, 8203), (445, 8299), (517, 8536), (535, 8566), (537, 8569),

Gene: Nerdos_6 Start: 2402, Stop: 4048, Start Num: 39

Candidate Starts for Nerdos_6:

(Start: 39 @2402 has 86 MA's), (Start: 49 @2420 has 10 MA's), (152, 2624), (Start: 169 @2705 has 2 MA's), (201, 2840), (208, 2861), (231, 2948), (240, 3020), (Start: 245 @3044 has 1 MA's), (268, 3143), (286, 3197), (313, 3296), (327, 3356), (378, 3518), (380, 3527), (405, 3617), (411, 3644), (432, 3722), (433, 3725), (445, 3764), (452, 3785), (454, 3791), (458, 3809), (492, 3905), (506, 3965),

Gene: Nergal_5 Start: 1844, Stop: 3613, Start Num: 51

Candidate Starts for Nergal_5:

(Start: 51 @1844 has 557 MA's), (66, 1868), (69, 1877), (98, 1937), (139, 2033), (146, 2051), (161, 2114), (Start: 169 @2159 has 2 MA's), (175, 2189), (177, 2195), (189, 2249), (201, 2300), (203, 2306), (204, 2309), (237, 2462), (248, 2519), (257, 2552), (293, 2735), (300, 2753), (331, 2861), (366, 2960), (367, 2963), (375, 3008), (382, 3035), (404, 3149), (405, 3152), (411, 3179), (416, 3200), (423, 3227), (445, 3317), (457, 3359), (465, 3383), (480, 3407), (493, 3461), (503, 3512), (505, 3518), (515, 3551),

Gene: Nerujay_12 Start: 7406, Stop: 9094, Start Num: 51

Candidate Starts for Nerujay_12:

(Start: 51 @7406 has 557 MA's), (165, 7670), (166, 7694), (207, 7856), (213, 7889), (233, 7964), (Start: 245 @8054 has 1 MA's), (250, 8078), (258, 8105), (267, 8153), (287, 8222), (302, 8297), (306, 8309), (316, 8369), (385, 8603), (389, 8615), (402, 8657), (407, 8678), (414, 8705), (445, 8813), (480, 8903), (503, 9008),

Gene: Newrala_15 Start: 7523, Stop: 9277, Start Num: 51

Candidate Starts for Newrala_15:

(Start: 51 @7523 has 557 MA's), (136, 7754), (152, 7805), (161, 7841), (175, 7916), (207, 8039), (215, 8078), (233, 8147), (236, 8171), (237, 8174), (Start: 245 @8237 has 1 MA's), (250, 8261), (284, 8390), (286, 8393), (308, 8504), (348, 8666), (375, 8753), (378, 8765), (381, 8777), (399, 8825), (402, 8840), (411, 8879), (416, 8900), (439, 8984), (445, 8996), (517, 9233), (533, 9260), (535, 9263),

Gene: Nhonho_11 Start: 6855, Stop: 8543, Start Num: 51

Candidate Starts for Nhonho_11:

(Start: 51 @6855 has 557 MA's), (Start: 143 @7035 has 2 MA's), (165, 7119), (170, 7155), (175, 7182), (207, 7305), (233, 7413), (Start: 245 @7503 has 1 MA's), (250, 7527), (258, 7554), (267, 7602),

(306, 7758), (316, 7818), (382, 8043), (385, 8052), (389, 8064), (402, 8106), (407, 8127), (414, 8154), (445, 8262), (480, 8352), (503, 8457),

Gene: Nibbles_6 Start: 1989, Stop: 3689, Start Num: 87

Candidate Starts for Nibbles_6:

(Start: 87 @1989 has 64 MA's), (101, 2019), (116, 2061), (161, 2199), (170, 2247), (176, 2277), (184, 2310), (192, 2346), (196, 2361), (198, 2376), (207, 2406), (217, 2457), (238, 2556), (240, 2577), (257, 2646), (265, 2688), (273, 2718), (308, 2865), (315, 2916), (329, 2979), (333, 3003), (366, 3069), (371, 3102), (373, 3126), (374, 3129), (376, 3138), (382, 3159), (391, 3186), (402, 3231), (405, 3243), (406, 3249), (411, 3270), (422, 3309), (452, 3408), (462, 3444), (494, 3531), (512, 3612), (516, 3618), (535, 3675), (537, 3678),

Gene: NicoleTera_16 Start: 9187, Stop: 10974, Start Num: 51

Candidate Starts for NicoleTera_16:

(Start: 51 @9187 has 557 MA's), (102, 9295), (111, 9316), (128, 9382), (136, 9424), (146, 9448), (161, 9511), (206, 9706), (207, 9709), (215, 9748), (233, 9817), (Start: 245 @9907 has 1 MA's), (250, 9931), (278, 10048), (286, 10063), (375, 10450), (402, 10537), (405, 10549), (412, 10579), (416, 10597), (445, 10693), (517, 10930), (533, 10957), (535, 10960), (537, 10963), (538, 10966),

Gene: Nina_4 Start: 1113, Stop: 2792, Start Num: 87

Candidate Starts for Nina_4:

(Start: 87 @1113 has 64 MA's), (Start: 110 @1164 has 1 MA's), (116, 1185), (140, 1230), (161, 1311), (174, 1377), (175, 1386), (192, 1458), (196, 1473), (204, 1509), (207, 1518), (217, 1569), (238, 1668), (247, 1722), (257, 1758), (289, 1902), (299, 1938), (308, 1977), (312, 2010), (324, 2058), (329, 2091), (333, 2115), (350, 2148), (367, 2181), (374, 2238), (376, 2247), (401, 2331), (425, 2418), (452, 2514), (481, 2586), (485, 2598), (512, 2718), (535, 2778), (537, 2781),

Gene: Niobe_2 Start: 534, Stop: 2240, Start Num: 55

Candidate Starts for Niobe_2:

(Start: 55 @534 has 34 MA's), (Start: 110 @621 has 1 MA's), (193, 906), (207, 963), (210, 984), (218, 1011), (238, 1101), (247, 1155), (257, 1200), (274, 1275), (293, 1365), (330, 1488), (337, 1527), (375, 1650), (425, 1830), (431, 1863), (445, 1905), (449, 1920), (485, 2055), (492, 2091), (506, 2151), (508, 2163),

Gene: Nishikigoi_6 Start: 2173, Stop: 3822, Start Num: 39

Candidate Starts for Nishikigoi_6:

(Start: 39 @2173 has 86 MA's), (105, 2290), (146, 2371), (152, 2398), (165, 2446), (Start: 169 @2479 has 2 MA's), (174, 2500), (196, 2587), (201, 2614), (208, 2635), (219, 2680), (231, 2722), (240, 2794), (Start: 245 @2818 has 1 MA's), (268, 2917), (276, 2953), (286, 2971), (318, 3091), (319, 3094), (327, 3130), (345, 3211), (380, 3301), (384, 3313), (399, 3364), (411, 3418), (445, 3538), (452, 3559), (457, 3580), (458, 3583), (485, 3643), (506, 3739), (539, 3817),

Gene: Nitro_2 Start: 535, Stop: 2241, Start Num: 55

Candidate Starts for Nitro_2:

(Start: 55 @535 has 34 MA's), (101, 601), (Start: 110 @622 has 1 MA's), (193, 907), (207, 964), (218, 1012), (238, 1102), (247, 1156), (257, 1201), (274, 1276), (293, 1366), (337, 1528), (375, 1651), (425, 1831), (445, 1906), (449, 1921), (485, 2056), (506, 2152), (508, 2164),

Gene: Niza_13 Start: 8083, Stop: 9771, Start Num: 54

Candidate Starts for Niza_13:

(Start: 54 @8083 has 35 MA's), (139, 8254), (Start: 143 @8263 has 2 MA's), (165, 8347), (167, 8374), (170, 8383), (207, 8533), (213, 8566), (233, 8641), (Start: 245 @8731 has 1 MA's), (250, 8755), (258, 8782), (267, 8830), (287, 8899), (306, 8986), (307, 8995), (316, 9046), (385, 9280), (389, 9292), (402,

9334), (407, 9355), (414, 9382), (445, 9490), (480, 9580), (503, 9685),

Gene: NoShow_2 Start: 679, Stop: 2346, Start Num: 87

Candidate Starts for NoShow_2:

(Start: 87 @679 has 64 MA's), (94, 697), (114, 742), (152, 835), (161, 871), (196, 1033), (207, 1078), (210, 1099), (217, 1126), (240, 1243), (248, 1279), (265, 1354), (334, 1678), (356, 1714), (367, 1738), (379, 1813), (401, 1885), (408, 1915), (411, 1930), (419, 1963), (433, 2011), (442, 2041), (452, 2068), (459, 2095), (472, 2116), (499, 2218), (507, 2257),

Gene: Nodigi_5 Start: 1094, Stop: 2791, Start Num: 85

Candidate Starts for Nodigi_5:

(Start: 85 @1094 has 9 MA's), (Start: 110 @1148 has 1 MA's), (116, 1169), (125, 1196), (161, 1307), (176, 1385), (194, 1460), (196, 1469), (207, 1514), (208, 1517), (217, 1565), (220, 1577), (238, 1664), (257, 1754), (276, 1844), (289, 1898), (333, 2111), (335, 2126), (339, 2135), (367, 2177), (376, 2243), (378, 2249), (391, 2291), (400, 2324), (402, 2333), (433, 2453), (452, 2510), (457, 2531), (472, 2558), (490, 2618), (505, 2687), (506, 2690), (519, 2735), (535, 2777), (537, 2780),

Gene: Noella_12 Start: 7044, Stop: 8741, Start Num: 51

Candidate Starts for Noella_12:

(Start: 51 @7044 has 557 MA's), (Start: 65 @7068 has 1 MA's), (165, 7314), (203, 7488), (207, 7500), (215, 7539), (220, 7551), (233, 7608), (236, 7632), (Start: 245 @7698 has 1 MA's), (247, 7707), (265, 7788), (274, 7821), (306, 7953), (308, 7965), (318, 8019), (324, 8040), (329, 8073), (348, 8127), (375, 8214), (381, 8238), (382, 8241), (384, 8247), (387, 8256), (402, 8304), (411, 8343), (412, 8346), (416, 8364), (445, 8460), (461, 8514), (507, 8667), (517, 8697), (535, 8727), (537, 8730),

Gene: Noelle_11 Start: 6950, Stop: 8647, Start Num: 51

Candidate Starts for Noelle_11:

(Start: 51 @6950 has 557 MA's), (Start: 65 @6974 has 1 MA's), (Start: 97 @7046 has 1 MA's), (165, 7220), (206, 7403), (207, 7406), (215, 7445), (233, 7514), (236, 7538), (Start: 245 @7604 has 1 MA's), (265, 7694), (306, 7859), (313, 7904), (324, 7946), (329, 7979), (366, 8072), (374, 8117), (375, 8120), (381, 8144), (382, 8147), (402, 8210), (411, 8249), (416, 8270), (445, 8366), (517, 8603), (535, 8633), (537, 8636),

Gene: Norbert_11 Start: 7044, Stop: 8741, Start Num: 51

Candidate Starts for Norbert_11:

(Start: 51 @7044 has 557 MA's), (Start: 65 @7068 has 1 MA's), (165, 7314), (203, 7488), (207, 7500), (215, 7539), (220, 7551), (233, 7608), (236, 7632), (Start: 245 @7698 has 1 MA's), (247, 7707), (265, 7788), (274, 7821), (306, 7953), (308, 7965), (318, 8019), (324, 8040), (329, 8073), (348, 8127), (375, 8214), (381, 8238), (382, 8241), (384, 8247), (387, 8256), (402, 8304), (411, 8343), (412, 8346), (416, 8364), (445, 8460), (461, 8514), (507, 8667), (517, 8697), (535, 8727), (537, 8730),

Gene: NorthStar_11 Start: 6884, Stop: 8581, Start Num: 51

Candidate Starts for NorthStar_11:

(Start: 51 @6884 has 557 MA's), (Start: 65 @6908 has 1 MA's), (Start: 117 @7031 has 2 MA's), (157, 7121), (165, 7154), (184, 7253), (206, 7337), (207, 7340), (215, 7379), (233, 7448), (236, 7472), (Start: 245 @7538 has 1 MA's), (265, 7628), (306, 7793), (324, 7880), (329, 7913), (354, 7979), (374, 8051), (375, 8054), (381, 8078), (399, 8129), (402, 8144), (411, 8183), (416, 8204), (445, 8300), (517, 8537), (535, 8567), (537, 8570),

Gene: Norvs_31 Start: 8685, Stop: 10433, Start Num: 84

Candidate Starts for Norvs_31:

(Start: 84 @8685 has 21 MA's), (99, 8715), (150, 8844), (180, 9030), (187, 9069), (195, 9093), (206, 9141), (211, 9168), (218, 9198), (257, 9390), (260, 9408), (297, 9570), (314, 9618), (319, 9633), (365,

9816), (367, 9822), (381, 9906), (404, 9993), (412, 10026), (445, 10140), (456, 10176), (466, 10200), (470, 10215), (520, 10389), (526, 10395),

Gene: Norz_13 Start: 7718, Stop: 9406, Start Num: 51

Candidate Starts for Norz_13:

(Start: 51 @7718 has 557 MA's), (165, 7982), (166, 8006), (207, 8168), (213, 8201), (233, 8276), (Start: 245 @8366 has 1 MA's), (250, 8390), (267, 8465), (306, 8621), (316, 8681), (385, 8915), (389, 8927), (402, 8969), (407, 8990), (414, 9017), (445, 9125), (480, 9215), (503, 9320),

Gene: NotAPhaseMom_11 Start: 6888, Stop: 8585, Start Num: 51

Candidate Starts for NotAPhaseMom_11:

(Start: 51 @6888 has 557 MA's), (Start: 65 @6912 has 1 MA's), (Start: 117 @7035 has 2 MA's), (157, 7125), (165, 7158), (184, 7257), (206, 7341), (207, 7344), (215, 7383), (233, 7452), (236, 7476), (Start: 245 @7542 has 1 MA's), (265, 7632), (306, 7797), (324, 7884), (329, 7917), (354, 7983), (374, 8055), (375, 8058), (381, 8082), (399, 8133), (402, 8148), (411, 8187), (416, 8208), (445, 8304), (517, 8541), (535, 8571), (537, 8574),

Gene: NothingSpecial_14 Start: 9458, Stop: 11239, Start Num: 51

Candidate Starts for NothingSpecial_14:

(Start: 51 @9458 has 557 MA's), (114, 9590), (136, 9689), (206, 9971), (207, 9974), (215, 10013), (233, 10082), (Start: 245 @10172 has 1 MA's), (250, 10196), (274, 10295), (286, 10328), (350, 10628), (375, 10715), (384, 10748), (405, 10814), (416, 10862), (439, 10946), (445, 10958), (517, 11195), (533, 11222), (535, 11225),

Gene: Nyxis_11 Start: 6830, Stop: 8527, Start Num: 51

Candidate Starts for Nyxis_11:

(11, 6644), (13, 6653), (17, 6671), (Start: 19 @6701 has 1 MA's), (Start: 51 @6830 has 557 MA's), (Start: 65 @6854 has 1 MA's), (Start: 117 @6977 has 2 MA's), (157, 7067), (165, 7100), (184, 7199), (206, 7283), (207, 7286), (215, 7325), (233, 7394), (236, 7418), (Start: 245 @7484 has 1 MA's), (265, 7574), (306, 7739), (324, 7826), (329, 7859), (354, 7925), (374, 7997), (375, 8000), (381, 8024), (399, 8075), (402, 8090), (411, 8129), (416, 8150), (445, 8246), (517, 8483), (535, 8513), (537, 8516),

Gene: OKCentral2016_11 Start: 6407, Stop: 8080, Start Num: 51

Candidate Starts for OKCentral2016_11:

(Start: 51 @6407 has 557 MA's), (Start: 117 @6536 has 2 MA's), (148, 6602), (165, 6668), (172, 6713), (184, 6767), (196, 6809), (207, 6854), (215, 6893), (231, 6941), (233, 6962), (236, 6986), (Start: 245 @7037 has 1 MA's), (274, 7160), (289, 7229), (309, 7307), (320, 7367), (329, 7412), (354, 7478), (374, 7550), (375, 7553), (381, 7577), (402, 7643), (411, 7682), (412, 7685), (416, 7703), (445, 7799), (467, 7868), (517, 8036), (535, 8066), (537, 8069),

Gene: OKaNui_11 Start: 6649, Stop: 8346, Start Num: 51

Candidate Starts for OKaNui_11:

(Start: 51 @6649 has 557 MA's), (Start: 65 @6673 has 1 MA's), (Start: 117 @6796 has 2 MA's), (157, 6886), (165, 6919), (184, 7018), (206, 7102), (207, 7105), (215, 7144), (233, 7213), (236, 7237), (Start: 245 @7303 has 1 MA's), (265, 7393), (306, 7558), (324, 7645), (329, 7678), (354, 7744), (374, 7816), (375, 7819), (381, 7843), (402, 7909), (411, 7948), (416, 7969), (445, 8065), (516, 8299), (517, 8302), (535, 8332), (537, 8335),

Gene: Obama12_11 Start: 6863, Stop: 8560, Start Num: 51

Candidate Starts for Obama12_11:

(Start: 51 @6863 has 557 MA's), (Start: 65 @6887 has 1 MA's), (Start: 117 @7010 has 2 MA's), (157, 7100), (165, 7133), (206, 7316), (207, 7319), (215, 7358), (233, 7427), (236, 7451), (Start: 245 @7517 has 1 MA's), (265, 7607), (306, 7772), (324, 7859), (329, 7892), (354, 7958), (374, 8030), (381, 8057),

(399, 8108), (402, 8123), (411, 8162), (416, 8183), (445, 8279), (517, 8516), (535, 8546), (537, 8549),

Gene: ObiToo_2 Start: 546, Stop: 2252, Start Num: 55

Candidate Starts for ObiToo_2:

(4, 243), (Start: 55 @546 has 34 MA's), (101, 612), (193, 918), (207, 975), (218, 1023), (238, 1113), (247, 1167), (257, 1212), (274, 1287), (337, 1539), (425, 1842), (433, 1881), (445, 1917), (449, 1932), (485, 2067), (506, 2163), (508, 2175),

Gene: Odin_11 Start: 6300, Stop: 8084, Start Num: 51

Candidate Starts for Odin_11:

(Start: 51 @6300 has 557 MA's), (136, 6531), (161, 6618), (196, 6771), (206, 6813), (207, 6816), (233, 6927), (236, 6951), (237, 6954), (Start: 245 @7017 has 1 MA's), (250, 7041), (286, 7173), (307, 7281), (411, 7686), (416, 7707), (439, 7791), (445, 7803), (486, 7911), (517, 8040), (533, 8067), (535, 8070),

Gene: Ohfah_11 Start: 6884, Stop: 8581, Start Num: 51

Candidate Starts for Ohfah_11:

(13, 6707), (17, 6725), (Start: 19 @6755 has 1 MA's), (Start: 51 @6884 has 557 MA's), (Start: 65 @6908 has 1 MA's), (Start: 117 @7031 has 2 MA's), (157, 7121), (165, 7154), (206, 7337), (207, 7340), (215, 7379), (233, 7448), (236, 7472), (Start: 245 @7538 has 1 MA's), (265, 7628), (306, 7793), (324, 7880), (329, 7913), (354, 7979), (374, 8051), (375, 8054), (381, 8078), (399, 8129), (402, 8144), (411, 8183), (416, 8204), (445, 8300), (517, 8537), (535, 8567), (537, 8570),

Gene: Ohno789_10 Start: 6399, Stop: 8087, Start Num: 51

Candidate Starts for Ohno789_10:

(Start: 51 @6399 has 557 MA's), (Start: 143 @6579 has 2 MA's), (165, 6663), (170, 6699), (175, 6726), (207, 6849), (233, 6957), (Start: 245 @7047 has 1 MA's), (250, 7071), (258, 7098), (267, 7146), (287, 7215), (302, 7290), (306, 7302), (316, 7362), (382, 7587), (385, 7596), (389, 7608), (402, 7650), (407, 7671), (414, 7698), (445, 7806), (480, 7896), (491, 7938), (516, 8040),

Gene: OlanP_13 Start: 7209, Stop: 8909, Start Num: 52

Candidate Starts for OlanP_13:

(Start: 52 @7209 has 102 MA's), (71, 7257), (Start: 110 @7329 has 1 MA's), (139, 7392), (207, 7671), (Start: 245 @7869 has 1 MA's), (265, 7959), (284, 8022), (316, 8184), (375, 8382), (381, 8406), (382, 8409), (402, 8472), (405, 8484), (407, 8493), (411, 8511), (416, 8532), (445, 8628), (461, 8682), (480, 8718), (517, 8865), (535, 8895), (537, 8898),

Gene: Oliynyk_7 Start: 2562, Stop: 4208, Start Num: 39

Candidate Starts for Oliynyk_7:

(Start: 39 @2562 has 86 MA's), (Start: 49 @2580 has 10 MA's), (152, 2784), (Start: 169 @2865 has 2 MA's), (201, 3000), (208, 3021), (219, 3066), (231, 3108), (240, 3180), (Start: 245 @3204 has 1 MA's), (265, 3291), (268, 3303), (286, 3357), (313, 3456), (327, 3516), (378, 3678), (380, 3687), (405, 3777), (413, 3810), (432, 3882), (433, 3885), (445, 3924), (452, 3945), (454, 3951), (458, 3969), (492, 4065), (506, 4125),

Gene: Ollie_13 Start: 6828, Stop: 8528, Start Num: 52

Candidate Starts for Ollie_13:

(Start: 52 @6828 has 102 MA's), (71, 6876), (139, 7011), (184, 7203), (207, 7290), (Start: 245 @7488 has 1 MA's), (265, 7578), (284, 7641), (316, 7803), (375, 8001), (381, 8025), (382, 8028), (402, 8091), (407, 8112), (416, 8151), (445, 8247), (461, 8301), (480, 8337), (517, 8484), (535, 8514), (537, 8517),

Gene: Omar_7 Start: 2403, Stop: 4052, Start Num: 39

Candidate Starts for Omar_7:

(Start: 39 @2403 has 86 MA's), (Start: 49 @2424 has 10 MA's), (96, 2502), (152, 2628), (161, 2664), (165, 2676), (Start: 169 @2709 has 2 MA's), (192, 2802), (196, 2817), (201, 2844), (208, 2865), (219, 2910), (231, 2952), (240, 3024), (Start: 245 @3048 has 1 MA's), (268, 3147), (278, 3186), (286, 3201), (296, 3261), (313, 3300), (318, 3321), (319, 3324), (327, 3360), (378, 3522), (380, 3531), (384, 3543), (387, 3552), (405, 3621), (411, 3648), (433, 3729), (445, 3768), (452, 3789), (458, 3813), (485, 3873), (506, 3969), (513, 3996), (539, 4047),

Gene: OneUp_24 Start: 6501, Stop: 8249, Start Num: 84

Candidate Starts for OneUp_24:

(Start: 84 @6501 has 21 MA's), (99, 6531), (137, 6621), (150, 6660), (187, 6885), (192, 6900), (195, 6909), (206, 6957), (211, 6984), (257, 7206), (260, 7224), (292, 7374), (314, 7434), (315, 7437), (319, 7449), (375, 7698), (402, 7800), (404, 7809), (405, 7812), (411, 7839), (412, 7842), (445, 7956), (456, 7992), (466, 8016), (520, 8205), (526, 8211),

Gene: Oofda_15 Start: 6657, Stop: 8354, Start Num: 51

Candidate Starts for Oofda_15:

(Start: 51 @6657 has 557 MA's), (62, 6675), (139, 6837), (175, 6993), (194, 7062), (207, 7116), (233, 7224), (237, 7251), (Start: 245 @7314 has 1 MA's), (250, 7338), (381, 7854), (402, 7917), (412, 7959), (445, 8073), (485, 8178), (517, 8310), (533, 8337), (535, 8340), (537, 8343),

Gene: Oogway_10 Start: 6991, Stop: 8679, Start Num: 51

Candidate Starts for Oogway_10:

(Start: 51 @6991 has 557 MA's), (Start: 143 @7171 has 2 MA's), (165, 7255), (170, 7291), (175, 7318), (207, 7441), (213, 7474), (233, 7549), (Start: 245 @7639 has 1 MA's), (250, 7663), (267, 7738), (287, 7807), (302, 7882), (306, 7894), (316, 7954), (382, 8179), (385, 8188), (389, 8200), (402, 8242), (407, 8263), (414, 8290), (445, 8398), (480, 8488), (503, 8593),

Gene: Orange_12 Start: 8024, Stop: 9787, Start Num: 51

Candidate Starts for Orange_12:

(Start: 51 @8024 has 557 MA's), (Start: 63 @8045 has 4 MA's), (102, 8132), (136, 8261), (146, 8285), (161, 8348), (194, 8492), (206, 8543), (207, 8546), (233, 8657), (236, 8681), (237, 8684), (Start: 245 @8747 has 1 MA's), (247, 8756), (250, 8771), (278, 8888), (286, 8903), (295, 8963), (313, 9047), (378, 9275), (381, 9287), (399, 9335), (402, 9350), (411, 9389), (416, 9410), (428, 9449), (439, 9494), (445, 9506), (517, 9743), (533, 9770),

Gene: Orla_5 Start: 1093, Stop: 2793, Start Num: 85

Candidate Starts for Orla_5:

(42, 985), (Start: 85 @1093 has 9 MA's), (Start: 110 @1147 has 1 MA's), (116, 1168), (125, 1195), (161, 1306), (176, 1384), (184, 1417), (194, 1459), (196, 1468), (207, 1513), (208, 1516), (217, 1564), (231, 1612), (233, 1633), (238, 1663), (257, 1753), (276, 1843), (289, 1897), (308, 1972), (333, 2110), (335, 2125), (339, 2134), (365, 2170), (367, 2176), (376, 2242), (378, 2248), (401, 2326), (402, 2332), (426, 2419), (433, 2452), (452, 2509), (457, 2530), (472, 2557), (490, 2617), (505, 2686), (506, 2689), (516, 2719), (519, 2734), (535, 2779), (537, 2782),

Gene: Ozzie_6 Start: 2400, Stop: 4028, Start Num: 49

Candidate Starts for Ozzie_6:

(Start: 39 @2382 has 86 MA's), (Start: 49 @2400 has 10 MA's), (152, 2604), (Start: 169 @2685 has 2 MA's), (201, 2820), (208, 2841), (231, 2928), (240, 3000), (Start: 245 @3024 has 1 MA's), (268, 3123), (286, 3177), (313, 3276), (327, 3336), (378, 3498), (380, 3507), (405, 3597), (411, 3624), (432, 3702), (433, 3705), (445, 3744), (452, 3765), (454, 3771), (458, 3789), (492, 3885), (506, 3945),

Gene: OzzyJ_7 Start: 2377, Stop: 4023, Start Num: 39

Candidate Starts for OzzyJ_7:

(Start: 39 @2377 has 86 MA's), (Start: 49 @2395 has 10 MA's), (Start: 117 @2527 has 2 MA's), (152, 2599), (161, 2635), (201, 2815), (208, 2836), (219, 2881), (231, 2923), (240, 2995), (Start: 245 @3019 has 1 MA's), (268, 3118), (271, 3133), (278, 3157), (281, 3163), (327, 3331), (375, 3481), (380, 3502), (399, 3565), (405, 3592), (433, 3700), (445, 3739), (452, 3760), (454, 3766), (458, 3784), (492, 3880), (506, 3940), (539, 4018),

Gene: P28Green_13 Start: 6956, Stop: 8656, Start Num: 52

Candidate Starts for P28Green_13:

(Start: 52 @6956 has 102 MA's), (71, 7004), (139, 7139), (184, 7331), (207, 7418), (Start: 245 @7616 has 1 MA's), (265, 7706), (284, 7769), (316, 7931), (375, 8129), (381, 8153), (382, 8156), (402, 8219), (407, 8240), (416, 8279), (445, 8375), (461, 8429), (480, 8465), (517, 8612), (535, 8642), (537, 8645),

Gene: PGHhamlin_15 Start: 6949, Stop: 8649, Start Num: 52

Candidate Starts for PGHhamlin_15:

(Start: 52 @6949 has 102 MA's), (71, 6997), (139, 7132), (184, 7324), (207, 7411), (Start: 245 @7609 has 1 MA's), (265, 7699), (284, 7762), (316, 7924), (375, 8122), (381, 8146), (382, 8149), (402, 8212), (407, 8233), (416, 8272), (445, 8368), (461, 8422), (480, 8458), (517, 8605), (535, 8635), (537, 8638),

Gene: PP_21 Start: 12452, Stop: 14146, Start Num: 51

Candidate Starts for PP_21:

(Start: 50 @12449 has 1 MA's), (Start: 51 @12452 has 557 MA's), (79, 12509), (Start: 84 @12515 has 21 MA's), (114, 12581), (Start: 143 @12632 has 2 MA's), (149, 12653), (165, 12716), (199, 12875), (203, 12890), (206, 12899), (207, 12902), (209, 12917), (220, 12953), (233, 13010), (236, 13034), (242, 13082), (Start: 245 @13100 has 1 MA's), (274, 13223), (275, 13226), (286, 13256), (306, 13355), (324, 13442), (329, 13475), (348, 13529), (354, 13541), (374, 13613), (381, 13640), (387, 13658), (399, 13691), (404, 13715), (445, 13862), (458, 13907), (507, 14069), (517, 14099),

Gene: PSullivan_12 Start: 7479, Stop: 9167, Start Num: 51

Candidate Starts for PSullivan_12:

(Start: 51 @7479 has 557 MA's), (Start: 143 @7659 has 2 MA's), (165, 7743), (170, 7779), (175, 7806), (207, 7929), (233, 8037), (Start: 245 @8127 has 1 MA's), (250, 8151), (258, 8178), (267, 8226), (306, 8382), (316, 8442), (385, 8676), (389, 8688), (402, 8730), (407, 8751), (414, 8778), (445, 8886), (480, 8976), (503, 9081),

Gene: Pablito_6 Start: 2214, Stop: 3860, Start Num: 39

Candidate Starts for Pablito_6:

(32, 2193), (37, 2208), (Start: 39 @2214 has 86 MA's), (47, 2229), (Start: 117 @2364 has 2 MA's), (165, 2484), (Start: 169 @2517 has 2 MA's), (201, 2652), (208, 2673), (213, 2703), (219, 2718), (231, 2760), (240, 2832), (Start: 245 @2856 has 1 MA's), (268, 2955), (286, 3009), (327, 3168), (339, 3231), (375, 3318), (380, 3339), (399, 3402), (405, 3429), (439, 3564), (445, 3576), (452, 3597), (454, 3603), (458, 3621), (485, 3681), (506, 3777), (525, 3825), (539, 3855),

Gene: PacerPaul_11 Start: 7247, Stop: 8935, Start Num: 51

Candidate Starts for PacerPaul_11:

(Start: 51 @7247 has 557 MA's), (Start: 143 @7427 has 2 MA's), (165, 7511), (170, 7547), (175, 7574), (207, 7697), (233, 7805), (Start: 245 @7895 has 1 MA's), (250, 7919), (267, 7994), (306, 8150), (316, 8210), (382, 8435), (385, 8444), (389, 8456), (402, 8498), (407, 8519), (414, 8546), (445, 8654), (480, 8744), (503, 8849),

Gene: PackMan_13 Start: 8109, Stop: 9896, Start Num: 51

Candidate Starts for PackMan_13:

(Start: 51 @8109 has 557 MA's), (Start: 60 @8124 has 10 MA's), (Start: 63 @8130 has 4 MA's), (114, 8241), (136, 8340), (175, 8502), (194, 8574), (207, 8628), (215, 8667), (233, 8739), (Start: 245 @8829

has 1 MA's), (250, 8853), (278, 8970), (286, 8985), (307, 9093), (323, 9168), (329, 9204), (343, 9264), (378, 9384), (384, 9405), (399, 9444), (411, 9498), (412, 9501), (416, 9519), (431, 9573), (439, 9603), (445, 9615), (480, 9705), (486, 9723), (517, 9852), (533, 9879), (535, 9882),

Gene: Paedore_6 Start: 2247, Stop: 3908, Start Num: 39

Candidate Starts for Paedore_6:

(Start: 39 @2247 has 86 MA's), (Start: 169 @2565 has 2 MA's), (192, 2658), (196, 2673), (201, 2700), (208, 2721), (231, 2808), (Start: 245 @2904 has 1 MA's), (254, 2937), (265, 2991), (274, 3024), (281, 3048), (296, 3117), (319, 3180), (320, 3186), (327, 3216), (330, 3234), (346, 3300), (374, 3363), (375, 3366), (378, 3378), (380, 3387), (383, 3396), (399, 3450), (405, 3477), (445, 3624), (452, 3645), (458, 3669), (485, 3729), (506, 3825), (539, 3903),

Gene: PainterBoy_13 Start: 7527, Stop: 9281, Start Num: 51

Candidate Starts for PainterBoy_13:

(Start: 51 @7527 has 557 MA's), (114, 7659), (136, 7758), (161, 7845), (175, 7920), (194, 7989), (206, 8040), (207, 8043), (233, 8151), (Start: 245 @8241 has 1 MA's), (250, 8265), (284, 8394), (286, 8397), (289, 8433), (350, 8673), (354, 8682), (375, 8757), (399, 8829), (402, 8844), (411, 8883), (416, 8904), (439, 8988), (445, 9000), (485, 9105), (503, 9195), (506, 9204), (517, 9237), (533, 9264), (535, 9267), (537, 9270), (538, 9273),

Gene: Palestino_11 Start: 6884, Stop: 8581, Start Num: 51

Candidate Starts for Palestino_11:

(Start: 51 @6884 has 557 MA's), (Start: 65 @6908 has 1 MA's), (Start: 117 @7031 has 2 MA's), (157, 7121), (165, 7154), (184, 7253), (206, 7337), (207, 7340), (215, 7379), (233, 7448), (236, 7472), (Start: 245 @7538 has 1 MA's), (265, 7628), (306, 7793), (324, 7880), (329, 7913), (354, 7979), (374, 8051), (375, 8054), (381, 8078), (399, 8129), (402, 8144), (411, 8183), (416, 8204), (445, 8300), (517, 8537), (535, 8567), (537, 8570),

Gene: Panamaxus_12 Start: 7044, Stop: 8741, Start Num: 51

Candidate Starts for Panamaxus_12:

(Start: 51 @7044 has 557 MA's), (Start: 65 @7068 has 1 MA's), (165, 7314), (203, 7488), (207, 7500), (215, 7539), (220, 7551), (233, 7608), (236, 7632), (Start: 245 @7698 has 1 MA's), (247, 7707), (265, 7788), (274, 7821), (306, 7953), (308, 7965), (318, 8019), (324, 8040), (329, 8073), (348, 8127), (375, 8214), (381, 8238), (382, 8241), (384, 8247), (387, 8256), (402, 8304), (411, 8343), (412, 8346), (416, 8364), (445, 8460), (461, 8514), (507, 8667), (517, 8697), (535, 8727), (537, 8730),

Gene: Paolo_9 Start: 2800, Stop: 4446, Start Num: 39

Candidate Starts for Paolo_9:

(Start: 39 @2800 has 86 MA's), (Start: 117 @2950 has 2 MA's), (165, 3070), (166, 3094), (192, 3196), (201, 3238), (203, 3244), (208, 3259), (231, 3346), (240, 3418), (Start: 245 @3442 has 1 MA's), (268, 3541), (276, 3577), (286, 3595), (311, 3688), (319, 3718), (327, 3754), (339, 3817), (375, 3904), (380, 3925), (384, 3937), (405, 4015), (411, 4042), (433, 4123), (445, 4162), (452, 4183), (458, 4207), (485, 4267), (506, 4363),

Gene: Papez_13 Start: 8442, Stop: 10130, Start Num: 51

Candidate Starts for Papez_13:

(Start: 51 @8442 has 557 MA's), (Start: 143 @8622 has 2 MA's), (165, 8706), (170, 8742), (175, 8769), (207, 8892), (213, 8925), (233, 9000), (Start: 245 @9090 has 1 MA's), (250, 9114), (258, 9141), (267, 9189), (306, 9345), (316, 9405), (385, 9639), (389, 9651), (402, 9693), (407, 9714), (414, 9741), (445, 9849), (480, 9939), (503, 10044),

Gene: Paphu_10 Start: 6436, Stop: 8124, Start Num: 51

Candidate Starts for Paphu_10:

(Start: 51 @6436 has 557 MA's), (165, 6700), (166, 6724), (207, 6886), (213, 6919), (Start: 245 @7084 has 1 MA's), (250, 7108), (258, 7135), (267, 7183), (287, 7252), (306, 7339), (316, 7399), (385, 7633), (389, 7645), (402, 7687), (407, 7708), (414, 7735), (445, 7843), (480, 7933), (503, 8038),

Gene: Paraselene_10 Start: 6748, Stop: 8436, Start Num: 51

Candidate Starts for Paraselene_10:

(Start: 51 @6748 has 557 MA's), (Start: 143 @6928 has 2 MA's), (165, 7012), (170, 7048), (175, 7075), (207, 7198), (233, 7306), (Start: 245 @7396 has 1 MA's), (250, 7420), (258, 7447), (267, 7495), (306, 7651), (316, 7711), (382, 7936), (385, 7945), (389, 7957), (402, 7999), (407, 8020), (414, 8047), (445, 8155), (480, 8245), (503, 8350),

Gene: Pari_12 Start: 7215, Stop: 8903, Start Num: 51

Candidate Starts for Pari_12:

(Start: 51 @7215 has 557 MA's), (Start: 143 @7395 has 2 MA's), (165, 7479), (170, 7515), (175, 7542), (199, 7638), (207, 7665), (213, 7698), (233, 7773), (Start: 245 @7863 has 1 MA's), (250, 7887), (258, 7914), (267, 7962), (287, 8031), (306, 8118), (307, 8127), (316, 8178), (385, 8412), (389, 8424), (402, 8466), (407, 8487), (414, 8514), (445, 8622), (480, 8712), (503, 8817),

Gene: Parliament_10 Start: 6818, Stop: 8506, Start Num: 51

Candidate Starts for Parliament_10:

(Start: 51 @6818 has 557 MA's), (165, 7082), (166, 7106), (207, 7268), (213, 7301), (233, 7376), (Start: 245 @7466 has 1 MA's), (250, 7490), (258, 7517), (267, 7565), (302, 7709), (306, 7721), (316, 7781), (382, 8006), (385, 8015), (389, 8027), (402, 8069), (407, 8090), (414, 8117), (445, 8225), (480, 8315), (503, 8420),

Gene: Partridge_8 Start: 3215, Stop: 4897, Start Num: 53

Candidate Starts for Partridge_8:

(Start: 53 @3215 has 36 MA's), (Start: 143 @3401 has 2 MA's), (161, 3473), (165, 3485), (170, 3521), (209, 3689), (227, 3749), (Start: 245 @3857 has 1 MA's), (304, 4112), (318, 4184), (368, 4328), (375, 4370), (384, 4403), (402, 4460), (405, 4472), (445, 4616), (458, 4661), (485, 4721), (506, 4820), (517, 4853), (533, 4880), (535, 4883), (537, 4886),

Gene: PascalRango_10 Start: 6614, Stop: 8302, Start Num: 51

Candidate Starts for PascalRango_10:

(Start: 51 @6614 has 557 MA's), (165, 6878), (166, 6902), (207, 7064), (213, 7097), (233, 7172), (Start: 245 @7262 has 1 MA's), (250, 7286), (258, 7313), (267, 7361), (306, 7517), (316, 7577), (382, 7802), (385, 7811), (389, 7823), (402, 7865), (407, 7886), (414, 7913), (445, 8021), (480, 8111), (503, 8216),

Gene: PattyP_13 Start: 7272, Stop: 8960, Start Num: 54

Candidate Starts for PattyP_13:

(Start: 54 @7272 has 35 MA's), (139, 7443), (Start: 143 @7452 has 2 MA's), (165, 7536), (167, 7563), (170, 7572), (207, 7722), (213, 7755), (233, 7830), (Start: 245 @7920 has 1 MA's), (250, 7944), (258, 7971), (267, 8019), (306, 8175), (316, 8235), (382, 8460), (385, 8469), (389, 8481), (402, 8523), (407, 8544), (414, 8571), (445, 8679), (480, 8769), (503, 8874),

Gene: Pawn_14 Start: 7029, Stop: 8729, Start Num: 52

Candidate Starts for Pawn_14:

(Start: 52 @7029 has 102 MA's), (71, 7077), (Start: 110 @7149 has 1 MA's), (139, 7212), (207, 7491), (Start: 245 @7689 has 1 MA's), (265, 7779), (284, 7842), (316, 8004), (375, 8202), (381, 8226), (382, 8229), (402, 8292), (405, 8304), (407, 8313), (411, 8331), (416, 8352), (445, 8448), (461, 8502), (480, 8538), (517, 8685), (535, 8715), (537, 8718),

Gene: Payneful_10 Start: 6561, Stop: 8249, Start Num: 51

Candidate Starts for Payneful_10:

(Start: 51 @6561 has 557 MA's), (165, 6825), (166, 6849), (207, 7011), (213, 7044), (233, 7119), (Start: 245 @7209 has 1 MA's), (250, 7233), (267, 7308), (306, 7464), (307, 7473), (315, 7521), (316, 7524), (382, 7749), (385, 7758), (389, 7770), (402, 7812), (407, 7833), (414, 7860), (445, 7968), (480, 8058), (503, 8163),

Gene: PeaceMeal1_10 Start: 4783, Stop: 6474, Start Num: 51

Candidate Starts for PeaceMeal1_10:

(Start: 51 @4783 has 557 MA's), (Start: 65 @4807 has 1 MA's), (Start: 117 @4930 has 2 MA's), (149, 4999), (161, 5050), (165, 5062), (171, 5104), (175, 5125), (196, 5203), (207, 5248), (215, 5287), (231, 5335), (233, 5356), (236, 5380), (Start: 245 @5431 has 1 MA's), (274, 5554), (309, 5701), (320, 5761), (329, 5806), (375, 5947), (393, 6001), (402, 6037), (411, 6076), (416, 6097), (445, 6193), (467, 6262), (517, 6430), (535, 6460), (537, 6463),

Gene: Peaches_11 Start: 6884, Stop: 8581, Start Num: 51

Candidate Starts for Peaches_11:

(Start: 51 @6884 has 557 MA's), (Start: 65 @6908 has 1 MA's), (Start: 117 @7031 has 2 MA's), (157, 7121), (165, 7154), (184, 7253), (206, 7337), (207, 7340), (215, 7379), (233, 7448), (236, 7472), (Start: 245 @7538 has 1 MA's), (265, 7628), (306, 7793), (324, 7880), (329, 7913), (354, 7979), (374, 8051), (375, 8054), (381, 8078), (399, 8129), (402, 8144), (411, 8183), (416, 8204), (445, 8300), (517, 8537), (535, 8567), (537, 8570),

Gene: Pelly_12 Start: 7447, Stop: 9135, Start Num: 51

Candidate Starts for Pelly_12:

(Start: 51 @7447 has 557 MA's), (Start: 143 @7627 has 2 MA's), (165, 7711), (170, 7747), (175, 7774), (207, 7897), (233, 8005), (Start: 245 @8095 has 1 MA's), (250, 8119), (258, 8146), (287, 8263), (302, 8338), (306, 8350), (316, 8410), (385, 8644), (389, 8656), (402, 8698), (407, 8719), (414, 8746), (445, 8854), (480, 8944), (503, 9049),

Gene: Pembroke_13 Start: 6958, Stop: 8658, Start Num: 52

Candidate Starts for Pembroke_13:

(Start: 52 @6958 has 102 MA's), (71, 7006), (139, 7141), (184, 7333), (207, 7420), (Start: 245 @7618 has 1 MA's), (265, 7708), (284, 7771), (316, 7933), (375, 8131), (381, 8155), (382, 8158), (402, 8221), (407, 8242), (416, 8281), (445, 8377), (461, 8431), (480, 8467), (517, 8614), (535, 8644), (537, 8647),

Gene: Penny1_13 Start: 6957, Stop: 8657, Start Num: 52

Candidate Starts for Penny1_13:

(Start: 52 @6957 has 102 MA's), (71, 7005), (139, 7140), (184, 7332), (207, 7419), (Start: 245 @7617 has 1 MA's), (265, 7707), (284, 7770), (316, 7932), (375, 8130), (381, 8154), (382, 8157), (402, 8220), (407, 8241), (416, 8280), (445, 8376), (461, 8430), (480, 8466), (517, 8613), (535, 8643), (537, 8646),

Gene: Pepe_12 Start: 7470, Stop: 9158, Start Num: 51

Candidate Starts for Pepe_12:

(Start: 51 @7470 has 557 MA's), (165, 7734), (166, 7758), (207, 7920), (213, 7953), (233, 8028), (Start: 245 @8118 has 1 MA's), (250, 8142), (258, 8169), (267, 8217), (302, 8361), (306, 8373), (316, 8433), (382, 8658), (385, 8667), (389, 8679), (402, 8721), (407, 8742), (414, 8769), (445, 8877), (480, 8967), (503, 9072),

Gene: Percival_2 Start: 640, Stop: 2388, Start Num: 54

Candidate Starts for Percival_2:

(Start: 54 @640 has 35 MA's), (67, 658), (189, 1000), (201, 1051), (207, 1069), (229, 1162), (238, 1219), (330, 1642), (375, 1804), (376, 1810), (425, 1984), (445, 2059), (449, 2074), (475, 2155), (500,

2278), (506, 2299), (508, 2311),

Gene: Perplexer_11 Start: 6887, Stop: 8584, Start Num: 51

Candidate Starts for Perplexer_11:

(Start: 51 @6887 has 557 MA's), (Start: 65 @6911 has 1 MA's), (165, 7157), (206, 7340), (207, 7343), (215, 7382), (233, 7451), (236, 7475), (Start: 245 @7541 has 1 MA's), (265, 7631), (306, 7796), (324, 7883), (366, 8009), (375, 8057), (381, 8081), (402, 8147), (411, 8186), (416, 8207), (445, 8303), (516, 8537), (517, 8540), (535, 8570), (537, 8573),

Gene: Perseus_12 Start: 7131, Stop: 8819, Start Num: 51

Candidate Starts for Perseus_12:

(Start: 51 @7131 has 557 MA's), (Start: 143 @7311 has 2 MA's), (165, 7395), (170, 7431), (207, 7581), (233, 7689), (Start: 245 @7779 has 1 MA's), (250, 7803), (267, 7878), (287, 7947), (306, 8034), (316, 8094), (385, 8328), (389, 8340), (402, 8382), (407, 8403), (414, 8430), (445, 8538), (480, 8628), (503, 8733),

Gene: Persistence_2 Start: 689, Stop: 2329, Start Num: 118

Candidate Starts for Persistence_2:

(80, 596), (Start: 118 @689 has 2 MA's), (119, 692), (152, 782), (155, 806), (162, 842), (163, 845), (174, 905), (184, 1013), (207, 1100), (229, 1187), (243, 1277), (252, 1319), (259, 1340), (266, 1376), (310, 1511), (311, 1517), (321, 1556), (333, 1625), (368, 1691), (369, 1703), (377, 1739), (390, 1787), (398, 1823), (411, 1880), (412, 1883), (421, 1943), (439, 2027), (486, 2153), (503, 2234), (517, 2276), (533, 2315),

Gene: PeterPeter_11 Start: 6884, Stop: 8581, Start Num: 51

Candidate Starts for PeterPeter_11:

(Start: 51 @6884 has 557 MA's), (Start: 65 @6908 has 1 MA's), (Start: 117 @7031 has 2 MA's), (157, 7121), (165, 7154), (184, 7253), (206, 7337), (207, 7340), (215, 7379), (233, 7448), (236, 7472), (Start: 245 @7538 has 1 MA's), (265, 7628), (306, 7793), (324, 7880), (329, 7913), (354, 7979), (374, 8051), (375, 8054), (381, 8078), (399, 8129), (402, 8144), (411, 8183), (416, 8204), (445, 8300), (517, 8537), (535, 8567), (537, 8570),

Gene: Petersenfast_11 Start: 8027, Stop: 9790, Start Num: 51

Candidate Starts for Petersenfast_11:

(Start: 51 @8027 has 557 MA's), (Start: 63 @8048 has 4 MA's), (102, 8135), (136, 8264), (146, 8288), (161, 8351), (194, 8495), (206, 8546), (207, 8549), (233, 8660), (236, 8684), (237, 8687), (Start: 245 @8750 has 1 MA's), (247, 8759), (250, 8774), (278, 8891), (286, 8906), (295, 8966), (313, 9050), (378, 9278), (381, 9290), (399, 9338), (402, 9353), (411, 9392), (416, 9413), (428, 9452), (439, 9497), (445, 9509), (517, 9746), (533, 9773),

Gene: Peterson_14 Start: 8430, Stop: 10118, Start Num: 51

Candidate Starts for Peterson_14:

(Start: 51 @8430 has 557 MA's), (165, 8694), (166, 8718), (199, 8853), (207, 8880), (213, 8913), (233, 8988), (Start: 245 @9078 has 1 MA's), (250, 9102), (258, 9129), (267, 9177), (306, 9333), (316, 9393), (382, 9618), (385, 9627), (389, 9639), (402, 9681), (407, 9702), (414, 9729), (445, 9837), (480, 9927), (503, 10032),

Gene: PetiteSangsue_11 Start: 6893, Stop: 8590, Start Num: 51

Candidate Starts for PetiteSangsue_11:

(Start: 51 @6893 has 557 MA's), (Start: 65 @6917 has 1 MA's), (165, 7163), (206, 7346), (207, 7349), (215, 7388), (233, 7457), (236, 7481), (Start: 245 @7547 has 1 MA's), (265, 7637), (306, 7802), (324, 7889), (366, 8015), (375, 8063), (381, 8087), (399, 8138), (402, 8153), (411, 8192), (416, 8213), (445, 8309), (516, 8543), (517, 8546), (535, 8576), (537, 8579),

Gene: Petruccio_11 Start: 6689, Stop: 8377, Start Num: 51

Candidate Starts for Petruccio_11:

(Start: 51 @6689 has 557 MA's), (Start: 143 @6869 has 2 MA's), (165, 6953), (170, 6989), (175, 7016), (207, 7139), (213, 7172), (233, 7247), (Start: 245 @7337 has 1 MA's), (250, 7361), (258, 7388), (267, 7436), (302, 7580), (306, 7592), (316, 7652), (382, 7877), (385, 7886), (389, 7898), (402, 7940), (407, 7961), (414, 7988), (445, 8096), (480, 8186), (503, 8291),

Gene: PetterN_10 Start: 5984, Stop: 7735, Start Num: 31

Candidate Starts for PetterN_10:

(Start: 28 @5957 has 19 MA's), (Start: 31 @5984 has 29 MA's), (Start: 53 @6044 has 36 MA's), (58, 6053), (Start: 72 @6092 has 1 MA's), (112, 6167), (114, 6173), (161, 6305), (175, 6380), (176, 6383), (221, 6557), (Start: 245 @6689 has 1 MA's), (256, 6734), (271, 6812), (274, 6818), (310, 6983), (318, 7016), (324, 7037), (375, 7211), (381, 7235), (411, 7337), (416, 7358), (431, 7412), (439, 7442), (445, 7454), (461, 7508), (516, 7688), (517, 7691), (537, 7724), (539, 7730),

Gene: Ph8s_13 Start: 6262, Stop: 8046, Start Num: 51

Candidate Starts for Ph8s_13:

(Start: 51 @6262 has 557 MA's), (136, 6493), (161, 6580), (196, 6733), (206, 6775), (207, 6778), (233, 6889), (236, 6913), (237, 6916), (Start: 245 @6979 has 1 MA's), (250, 7003), (286, 7135), (411, 7648), (416, 7669), (439, 7753), (445, 7765), (481, 7858), (486, 7873), (517, 8002), (533, 8029), (535, 8032),

Gene: Phacado_11 Start: 6883, Stop: 8580, Start Num: 51

Candidate Starts for Phacado_11:

(Start: 51 @6883 has 557 MA's), (Start: 65 @6907 has 1 MA's), (Start: 117 @7030 has 2 MA's), (157, 7120), (165, 7153), (184, 7252), (206, 7336), (207, 7339), (215, 7378), (233, 7447), (236, 7471), (Start: 245 @7537 has 1 MA's), (265, 7627), (306, 7792), (324, 7879), (329, 7912), (354, 7978), (374, 8050), (375, 8053), (381, 8077), (399, 8128), (402, 8143), (411, 8182), (416, 8203), (445, 8299), (517, 8536), (535, 8566), (537, 8569),

Gene: Phaded_15 Start: 9549, Stop: 11327, Start Num: 51

Candidate Starts for Phaded_15:

(Start: 51 @9549 has 557 MA's), (Start: 63 @9567 has 4 MA's), (114, 9678), (Start: 117 @9690 has 2 MA's), (127, 9732), (130, 9744), (131, 9753), (136, 9777), (161, 9864), (206, 10059), (207, 10062), (215, 10101), (233, 10170), (Start: 245 @10260 has 1 MA's), (250, 10284), (274, 10383), (286, 10416), (350, 10716), (375, 10803), (405, 10902), (411, 10929), (416, 10950), (445, 11046), (517, 11283), (533, 11310), (535, 11313),

Gene: Phaeder_13 Start: 8124, Stop: 9896, Start Num: 60

Candidate Starts for Phaeder_13:

(Start: 51 @8109 has 557 MA's), (Start: 60 @8124 has 10 MA's), (Start: 63 @8130 has 4 MA's), (114, 8241), (136, 8340), (175, 8502), (194, 8574), (207, 8628), (215, 8667), (233, 8739), (Start: 245 @8829 has 1 MA's), (250, 8853), (278, 8970), (286, 8985), (307, 9093), (323, 9168), (329, 9204), (343, 9264), (378, 9384), (384, 9405), (399, 9444), (411, 9498), (412, 9501), (416, 9519), (431, 9573), (439, 9603), (445, 9615), (480, 9705), (486, 9723), (517, 9852), (533, 9879), (535, 9882),

Gene: PhailMary_7 Start: 3222, Stop: 4904, Start Num: 53

Candidate Starts for PhailMary_7:

(Start: 53 @3222 has 36 MA's), (Start: 143 @3408 has 2 MA's), (161, 3480), (165, 3492), (166, 3516), (170, 3528), (207, 3681), (209, 3696), (227, 3756), (Start: 245 @3864 has 1 MA's), (258, 3921), (304, 4119), (308, 4137), (318, 4191), (368, 4335), (375, 4377), (384, 4410), (402, 4467), (405, 4479), (445, 4623), (458, 4668), (485, 4728), (506, 4827), (517, 4860), (533, 4887), (535, 4890), (537, 4893),

Gene: Phantastic_11 Start: 6458, Stop: 8155, Start Num: 51

Candidate Starts for Phantastic_11:

(Start: 51 @6458 has 557 MA's), (86, 6530), (165, 6728), (175, 6791), (203, 6902), (207, 6914), (215, 6953), (220, 6965), (233, 7022), (236, 7046), (241, 7076), (Start: 245 @7112 has 1 MA's), (247, 7121), (265, 7202), (271, 7229), (306, 7367), (318, 7433), (324, 7454), (329, 7487), (354, 7553), (375, 7628), (381, 7652), (382, 7655), (384, 7661), (387, 7670), (402, 7718), (411, 7757), (416, 7778), (445, 7874), (461, 7928), (507, 8081), (517, 8111), (535, 8141), (537, 8144),

Gene: Pharaoh_12 Start: 7906, Stop: 9693, Start Num: 51

Candidate Starts for Pharaoh_12:

(Start: 51 @7906 has 557 MA's), (Start: 63 @7927 has 4 MA's), (111, 8029), (114, 8038), (136, 8137), (147, 8167), (148, 8170), (196, 8380), (207, 8425), (215, 8464), (233, 8536), (236, 8560), (Start: 245 @8626 has 1 MA's), (250, 8650), (274, 8749), (278, 8767), (286, 8782), (358, 9097), (375, 9169), (399, 9241), (405, 9268), (411, 9295), (412, 9298), (416, 9316), (445, 9412), (516, 9646), (517, 9649), (533, 9676), (535, 9679), (537, 9682),

Gene: Phelipe_11 Start: 6884, Stop: 8581, Start Num: 51

Candidate Starts for Phelipe_11:

(Start: 51 @6884 has 557 MA's), (Start: 65 @6908 has 1 MA's), (Start: 117 @7031 has 2 MA's), (157, 7121), (165, 7154), (184, 7253), (206, 7337), (207, 7340), (215, 7379), (233, 7448), (236, 7472), (Start: 245 @7538 has 1 MA's), (265, 7628), (306, 7793), (324, 7880), (329, 7913), (354, 7979), (374, 8051), (375, 8054), (381, 8078), (399, 8129), (402, 8144), (411, 8183), (416, 8204), (445, 8300), (517, 8537), (535, 8567), (537, 8570),

Gene: PherrisBueller_12 Start: 6899, Stop: 8587, Start Num: 51

Candidate Starts for PherrisBueller_12:

(Start: 51 @6899 has 557 MA's), (Start: 143 @7079 has 2 MA's), (165, 7163), (170, 7199), (207, 7349), (233, 7457), (Start: 245 @7547 has 1 MA's), (250, 7571), (258, 7598), (267, 7646), (306, 7802), (316, 7862), (385, 8096), (389, 8108), (402, 8150), (407, 8171), (414, 8198), (445, 8306), (480, 8396), (503, 8501),

Gene: Phettuccine_6 Start: 2402, Stop: 4048, Start Num: 39

Candidate Starts for Phettuccine_6:

(Start: 39 @2402 has 86 MA's), (Start: 49 @2420 has 10 MA's), (152, 2624), (Start: 169 @2705 has 2 MA's), (201, 2840), (208, 2861), (231, 2948), (240, 3020), (Start: 245 @3044 has 1 MA's), (268, 3143), (286, 3197), (313, 3296), (327, 3356), (378, 3518), (380, 3527), (405, 3617), (411, 3644), (432, 3722), (433, 3725), (445, 3764), (452, 3785), (454, 3791), (458, 3809), (492, 3905), (506, 3965),

Gene: Phighter1804_11 Start: 6860, Stop: 8557, Start Num: 51

Candidate Starts for Phighter1804_11:

(Start: 51 @6860 has 557 MA's), (Start: 65 @6884 has 1 MA's), (Start: 117 @7007 has 2 MA's), (157, 7097), (165, 7130), (184, 7229), (206, 7313), (207, 7316), (215, 7355), (233, 7424), (236, 7448), (Start: 245 @7514 has 1 MA's), (265, 7604), (306, 7769), (324, 7856), (329, 7889), (354, 7955), (374, 8027), (375, 8030), (381, 8054), (399, 8105), (402, 8120), (411, 8159), (416, 8180), (445, 8276), (517, 8513), (535, 8543), (537, 8546),

Gene: Phillis_9 Start: 5664, Stop: 7418, Start Num: 31

Candidate Starts for Phillis_9:

(Start: 31 @5664 has 29 MA's), (45, 5706), (Start: 65 @5745 has 1 MA's), (114, 5853), (175, 6060), (196, 6138), (227, 6261), (232, 6288), (Start: 245 @6369 has 1 MA's), (274, 6498), (310, 6663), (318, 6696), (356, 6816), (374, 6888), (375, 6891), (407, 7002), (416, 7041), (445, 7137), (485, 7242), (506, 7341), (517, 7374), (537, 7407), (539, 7413),

Gene: PhinkBoden_30 Start: 9066, Stop: 10814, Start Num: 84

Candidate Starts for PhinkBoden_30:

(Start: 84 @9066 has 21 MA's), (99, 9096), (150, 9225), (180, 9411), (187, 9450), (195, 9474), (200, 9504), (206, 9522), (211, 9549), (218, 9579), (257, 9771), (260, 9789), (297, 9951), (314, 9999), (319, 10014), (365, 10197), (367, 10203), (381, 10287), (404, 10374), (412, 10407), (445, 10521), (456, 10557), (466, 10581), (470, 10596), (520, 10770), (526, 10776),

Gene: PhishRPhriends_12 Start: 6220, Stop: 7920, Start Num: 52

Candidate Starts for PhishRPhriends_12:

(Start: 52 @6220 has 102 MA's), (71, 6268), (Start: 110 @6340 has 1 MA's), (139, 6403), (207, 6682), (Start: 245 @6880 has 1 MA's), (265, 6970), (284, 7033), (316, 7195), (375, 7393), (381, 7417), (382, 7420), (402, 7483), (405, 7495), (407, 7504), (411, 7522), (416, 7543), (445, 7639), (461, 7693), (480, 7729), (517, 7876), (535, 7906), (537, 7909),

Gene: Phives_3 Start: 1606, Stop: 3312, Start Num: 55

Candidate Starts for Phives_3:

(Start: 55 @1606 has 34 MA's), (207, 2035), (218, 2083), (238, 2173), (263, 2305), (274, 2347), (337, 2599), (375, 2722), (433, 2941), (445, 2977), (449, 2992), (485, 3127), (506, 3223), (508, 3235),

Gene: Phlei_8 Start: 7957, Stop: 9663, Start Num: 72

Candidate Starts for Phlei_8:

(Start: 51 @7912 has 557 MA's), (Start: 72 @7957 has 1 MA's), (132, 8119), (136, 8137), (152, 8188), (165, 8236), (175, 8299), (194, 8368), (196, 8377), (207, 8422), (233, 8533), (236, 8557), (237, 8560), (Start: 245 @8623 has 1 MA's), (247, 8632), (250, 8647), (267, 8722), (286, 8779), (289, 8815), (295, 8839), (313, 8923), (324, 8965), (348, 9052), (354, 9064), (375, 9139), (378, 9151), (381, 9163), (382, 9166), (402, 9226), (411, 9265), (414, 9274), (416, 9286), (445, 9382), (467, 9451), (503, 9577), (506, 9586), (507, 9589), (517, 9619), (533, 9646), (535, 9649),

Gene: Phlorence_9 Start: 6269, Stop: 8047, Start Num: 28

Candidate Starts for Phlorence_9:

(Start: 28 @6269 has 19 MA's), (Start: 31 @6296 has 29 MA's), (58, 6365), (Start: 72 @6404 has 1 MA's), (112, 6479), (114, 6485), (161, 6617), (175, 6692), (176, 6695), (209, 6830), (221, 6869), (227, 6893), (Start: 245 @7001 has 1 MA's), (256, 7046), (271, 7124), (274, 7130), (310, 7295), (318, 7328), (324, 7349), (375, 7523), (381, 7547), (382, 7550), (402, 7610), (405, 7622), (411, 7649), (416, 7670), (439, 7754), (445, 7766), (517, 8003), (537, 8036), (539, 8042),

Gene: Phoebe_13 Start: 6955, Stop: 8655, Start Num: 52

Candidate Starts for Phoebe_13:

(Start: 52 @6955 has 102 MA's), (71, 7003), (139, 7138), (184, 7330), (207, 7417), (Start: 245 @7615 has 1 MA's), (265, 7705), (284, 7768), (316, 7930), (375, 8128), (381, 8152), (382, 8155), (402, 8218), (407, 8239), (416, 8278), (445, 8374), (461, 8428), (480, 8464), (517, 8611), (535, 8641), (537, 8644),

Gene: Phonnegut_13 Start: 8163, Stop: 9929, Start Num: 63

Candidate Starts for Phonnegut_13:

(Start: 51 @8142 has 557 MA's), (Start: 60 @8157 has 10 MA's), (Start: 63 @8163 has 4 MA's), (114, 8274), (136, 8373), (175, 8535), (194, 8607), (207, 8661), (215, 8700), (233, 8772), (Start: 245 @8862 has 1 MA's), (250, 8886), (278, 9003), (286, 9018), (307, 9126), (323, 9201), (329, 9237), (343, 9297), (378, 9417), (384, 9438), (399, 9477), (411, 9531), (412, 9534), (416, 9552), (431, 9606), (439, 9636), (445, 9648), (480, 9738), (486, 9756), (517, 9885), (533, 9912), (535, 9915),

Gene: Phontbonne_11 Start: 6828, Stop: 8525, Start Num: 51

Candidate Starts for Phontbonne_11:

(13, 6651), (17, 6669), (Start: 19 @6699 has 1 MA's), (Start: 51 @6828 has 557 MA's), (Start: 65 @6852 has 1 MA's), (Start: 117 @6975 has 2 MA's), (157, 7065), (165, 7098), (184, 7197), (206, 7281), (207, 7284), (215, 7323), (233, 7392), (236, 7416), (Start: 245 @7482 has 1 MA's), (265, 7572), (306, 7737), (324, 7824), (329, 7857), (354, 7923), (374, 7995), (375, 7998), (381, 8022), (399, 8073), (402, 8088), (411, 8127), (416, 8148), (445, 8244), (517, 8481), (535, 8511), (537, 8514),

Gene: Phoxy_13 Start: 7041, Stop: 8741, Start Num: 52

Candidate Starts for Phoxy_13:

(Start: 52 @7041 has 102 MA's), (71, 7089), (139, 7224), (184, 7416), (207, 7503), (Start: 245 @7701 has 1 MA's), (265, 7791), (284, 7854), (316, 8016), (375, 8214), (381, 8238), (382, 8241), (402, 8304), (407, 8325), (416, 8364), (445, 8460), (461, 8514), (480, 8550), (517, 8697), (535, 8727), (537, 8730),

Gene: Phrank15_2 Start: 783, Stop: 2330, Start Num: 152

Candidate Starts for Phrank15_2:

(80, 597), (Start: 118 @690 has 2 MA's), (119, 693), (152, 783), (155, 807), (162, 843), (163, 846), (174, 906), (184, 1014), (207, 1101), (210, 1119), (229, 1188), (243, 1278), (250, 1311), (252, 1320), (259, 1341), (266, 1377), (310, 1512), (311, 1518), (321, 1557), (333, 1626), (368, 1692), (369, 1704), (377, 1740), (390, 1788), (398, 1824), (411, 1881), (421, 1944), (439, 2028), (447, 2052), (461, 2094), (485, 2151), (486, 2154), (488, 2166), (503, 2235), (517, 2277), (528, 2304), (533, 2316),

Gene: Phrankenstein_8 Start: 3156, Stop: 4838, Start Num: 53

Candidate Starts for Phrankenstein_8:

(Start: 53 @3156 has 36 MA's), (Start: 143 @3342 has 2 MA's), (161, 3414), (165, 3426), (166, 3450), (170, 3462), (207, 3615), (209, 3630), (227, 3690), (Start: 245 @3798 has 1 MA's), (258, 3855), (304, 4053), (308, 4071), (318, 4125), (368, 4269), (374, 4308), (375, 4311), (384, 4344), (405, 4413), (445, 4557), (458, 4602), (485, 4662), (506, 4761), (517, 4794), (533, 4821), (535, 4824), (537, 4827),

Gene: Phranny_14 Start: 7027, Stop: 8727, Start Num: 52

Candidate Starts for Phranny_14:

(Start: 52 @7027 has 102 MA's), (71, 7075), (139, 7210), (207, 7489), (Start: 245 @7687 has 1 MA's), (265, 7777), (284, 7840), (316, 8002), (375, 8200), (381, 8224), (382, 8227), (402, 8290), (405, 8302), (407, 8311), (411, 8329), (416, 8350), (445, 8446), (461, 8500), (480, 8536), (517, 8683), (535, 8713), (537, 8716),

Gene: PhrostyMug_11 Start: 7045, Stop: 8733, Start Num: 51

Candidate Starts for PhrostyMug_11:

(Start: 51 @7045 has 557 MA's), (165, 7309), (166, 7333), (207, 7495), (213, 7528), (233, 7603), (Start: 245 @7693 has 1 MA's), (250, 7717), (258, 7744), (267, 7792), (306, 7948), (316, 8008), (382, 8233), (385, 8242), (389, 8254), (402, 8296), (407, 8317), (414, 8344), (445, 8452), (480, 8542), (503, 8647),

Gene: PickleBack_9 Start: 5979, Stop: 7757, Start Num: 28

Candidate Starts for PickleBack_9:

(Start: 28 @5979 has 19 MA's), (Start: 31 @6006 has 29 MA's), (58, 6075), (Start: 72 @6114 has 1 MA's), (112, 6189), (114, 6195), (161, 6327), (175, 6402), (176, 6405), (209, 6540), (221, 6579), (227, 6603), (Start: 245 @6711 has 1 MA's), (256, 6756), (271, 6834), (274, 6840), (310, 7005), (318, 7038), (324, 7059), (375, 7233), (381, 7257), (382, 7260), (402, 7320), (405, 7332), (411, 7359), (416, 7380), (439, 7464), (445, 7476), (517, 7713), (537, 7746), (539, 7752),

Gene: PinkPlastic_10 Start: 6814, Stop: 8502, Start Num: 51

Candidate Starts for PinkPlastic_10:

(Start: 51 @6814 has 557 MA's), (Start: 143 @6994 has 2 MA's), (165, 7078), (170, 7114), (175, 7141), (199, 7237), (207, 7264), (213, 7297), (233, 7372), (Start: 245 @7462 has 1 MA's), (250, 7486),

(267, 7561), (287, 7630), (306, 7717), (307, 7726), (316, 7777), (385, 8011), (389, 8023), (402, 8065), (407, 8086), (414, 8113), (445, 8221), (480, 8311), (503, 8416),

Gene: Pinto_13 Start: 7121, Stop: 8809, Start Num: 51

Candidate Starts for Pinto_13:

(Start: 51 @7121 has 557 MA's), (165, 7385), (166, 7409), (207, 7571), (213, 7604), (233, 7679), (Start: 245 @7769 has 1 MA's), (250, 7793), (258, 7820), (267, 7868), (306, 8024), (316, 8084), (382, 8309), (385, 8318), (389, 8330), (402, 8372), (407, 8393), (414, 8420), (445, 8528), (480, 8618), (503, 8723),

Gene: Pioneer_13 Start: 8157, Stop: 9929, Start Num: 60

Candidate Starts for Pioneer_13:

(Start: 51 @8142 has 557 MA's), (Start: 60 @8157 has 10 MA's), (Start: 63 @8163 has 4 MA's), (114, 8274), (136, 8373), (175, 8535), (194, 8607), (207, 8661), (215, 8700), (233, 8772), (Start: 245 @8862 has 1 MA's), (250, 8886), (278, 9003), (286, 9018), (307, 9126), (323, 9201), (329, 9237), (343, 9297), (378, 9417), (384, 9438), (399, 9477), (411, 9531), (412, 9534), (416, 9552), (431, 9606), (439, 9636), (445, 9648), (480, 9738), (486, 9756), (517, 9885), (533, 9912), (535, 9915),

Gene: Pipcraft_11 Start: 6884, Stop: 8581, Start Num: 51

Candidate Starts for Pipcraft_11:

(Start: 51 @6884 has 557 MA's), (Start: 65 @6908 has 1 MA's), (Start: 117 @7031 has 2 MA's), (157, 7121), (165, 7154), (184, 7253), (206, 7337), (207, 7340), (215, 7379), (233, 7448), (236, 7472), (Start: 245 @7538 has 1 MA's), (265, 7628), (306, 7793), (324, 7880), (329, 7913), (354, 7979), (374, 8051), (375, 8054), (381, 8078), (399, 8129), (402, 8144), (411, 8183), (416, 8204), (445, 8300), (517, 8537), (535, 8567), (537, 8570),

Gene: Pippin_13 Start: 7322, Stop: 9010, Start Num: 54

Candidate Starts for Pippin_13:

(Start: 54 @7322 has 35 MA's), (139, 7493), (Start: 143 @7502 has 2 MA's), (165, 7586), (167, 7613), (170, 7622), (207, 7772), (213, 7805), (233, 7880), (Start: 245 @7970 has 1 MA's), (250, 7994), (258, 8021), (267, 8069), (306, 8225), (316, 8285), (382, 8510), (385, 8519), (389, 8531), (402, 8573), (407, 8594), (414, 8621), (445, 8729), (480, 8819), (503, 8924),

Gene: Piro94_13 Start: 7941, Stop: 9728, Start Num: 51

Candidate Starts for Piro94_13:

(10, 7755), (25, 7857), (Start: 51 @7941 has 557 MA's), (102, 8049), (111, 8070), (136, 8178), (207, 8463), (233, 8571), (Start: 245 @8661 has 1 MA's), (250, 8685), (278, 8802), (286, 8817), (375, 9204), (411, 9330), (416, 9351), (439, 9435), (445, 9447), (517, 9684), (533, 9711), (535, 9714), (537, 9717), (538, 9720),

Gene: Pistachio_12 Start: 6043, Stop: 7740, Start Num: 51

Candidate Starts for Pistachio_12:

(Start: 51 @6043 has 557 MA's), (Start: 65 @6067 has 1 MA's), (86, 6115), (165, 6313), (175, 6376), (203, 6487), (207, 6499), (215, 6538), (220, 6550), (233, 6607), (236, 6631), (Start: 245 @6697 has 1 MA's), (247, 6706), (265, 6787), (271, 6814), (306, 6952), (324, 7039), (329, 7072), (354, 7138), (375, 7213), (381, 7237), (382, 7240), (384, 7246), (387, 7255), (399, 7288), (402, 7303), (416, 7363), (445, 7459), (458, 7504), (461, 7513), (507, 7666), (517, 7696), (535, 7726), (537, 7729),

Gene: Pita2_13 Start: 7479, Stop: 9167, Start Num: 51

Candidate Starts for Pita2_13:

(Start: 51 @7479 has 557 MA's), (Start: 143 @7659 has 2 MA's), (165, 7743), (170, 7779), (175, 7806), (207, 7929), (233, 8037), (Start: 245 @8127 has 1 MA's), (250, 8151), (258, 8178), (267, 8226), (306, 8382), (316, 8442), (385, 8676), (389, 8688), (402, 8730), (407, 8751), (414, 8778), (445, 8886),

(480, 8976), (503, 9081),

Gene: Pixelle_2 Start: 599, Stop: 2239, Start Num: 101

Candidate Starts for Pixelle_2:

(Start: 55 @533 has 34 MA's), (101, 599), (193, 905), (207, 962), (210, 983), (218, 1010), (238, 1100), (247, 1154), (257, 1199), (274, 1274), (337, 1526), (375, 1649), (425, 1829), (445, 1904), (449, 1919), (485, 2054), (492, 2090), (506, 2150), (508, 2162), (521, 2192),

Gene: Pmask_15 Start: 7523, Stop: 9277, Start Num: 51

Candidate Starts for Pmask_15:

(Start: 51 @7523 has 557 MA's), (136, 7754), (152, 7805), (161, 7841), (175, 7916), (207, 8039), (215, 8078), (233, 8147), (236, 8171), (237, 8174), (Start: 245 @8237 has 1 MA's), (250, 8261), (284, 8390), (286, 8393), (308, 8504), (348, 8666), (375, 8753), (378, 8765), (381, 8777), (399, 8825), (402, 8840), (411, 8879), (416, 8900), (439, 8984), (445, 8996), (517, 9233), (533, 9260), (535, 9263),

Gene: Pocahontas_12 Start: 7041, Stop: 8738, Start Num: 51

Candidate Starts for Pocahontas_12:

(Start: 51 @7041 has 557 MA's), (Start: 65 @7065 has 1 MA's), (165, 7311), (203, 7485), (207, 7497), (215, 7536), (220, 7548), (233, 7605), (236, 7629), (Start: 245 @7695 has 1 MA's), (247, 7704), (265, 7785), (274, 7818), (306, 7950), (308, 7962), (318, 8016), (324, 8037), (329, 8070), (348, 8124), (375, 8211), (381, 8235), (382, 8238), (384, 8244), (387, 8253), (402, 8301), (411, 8340), (412, 8343), (416, 8361), (445, 8457), (461, 8511), (507, 8664), (517, 8694), (535, 8724), (537, 8727),

Gene: Poise_35 Start: 10438, Stop: 12180, Start Num: 87

Candidate Starts for Poise_35:

(Start: 87 @10438 has 64 MA's), (139, 10555), (152, 10600), (160, 10666), (162, 10681), (166, 10714), (167, 10717), (171, 10732), (176, 10756), (177, 10759), (184, 10789), (190, 10810), (192, 10828), (195, 10837), (202, 10873), (207, 10888), (217, 10933), (231, 10975), (235, 11014), (238, 11026), (240, 11047), (251, 11098), (258, 11119), (312, 11341), (333, 11446), (334, 11455), (356, 11488), (367, 11509), (368, 11512), (371, 11539), (375, 11569), (378, 11581), (382, 11596), (385, 11605), (387, 11611), (397, 11653), (400, 11662), (403, 11677), (407, 11692), (425, 11752), (431, 11791), (441, 11824), (452, 11854), (453, 11857), (471, 11941), (485, 11995), (488, 12010), (495, 12037), (506, 12091), (533, 12163), (535, 12166),

Gene: Pollux_2 Start: 485, Stop: 2284, Start Num: 52

Candidate Starts for Pollux_2:

(Start: 52 @485 has 102 MA's), (115, 623), (122, 650), (159, 782), (161, 797), (178, 881), (185, 911), (189, 923), (192, 932), (200, 971), (207, 992), (223, 1052), (230, 1076), (239, 1148), (247, 1184), (255, 1220), (275, 1310), (279, 1331), (288, 1376), (289, 1382), (292, 1400), (298, 1415), (357, 1589), (368, 1616), (382, 1685), (384, 1691), (402, 1757), (405, 1769), (411, 1796), (433, 1907), (439, 1943), (445, 1955), (446, 1961), (454, 1979), (461, 2006), (469, 2030), (484, 2093), (492, 2135), (505, 2192), (508, 2207), (514, 2222), (535, 2270), (537, 2273),

Gene: Polymorphads_11 Start: 6884, Stop: 8581, Start Num: 51

Candidate Starts for Polymorphads_11:

(13, 6707), (17, 6725), (Start: 19 @6755 has 1 MA's), (Start: 51 @6884 has 557 MA's), (Start: 65 @6908 has 1 MA's), (Start: 117 @7031 has 2 MA's), (157, 7121), (165, 7154), (206, 7337), (207, 7340), (215, 7379), (233, 7448), (236, 7472), (Start: 245 @7538 has 1 MA's), (265, 7628), (306, 7793), (324, 7880), (329, 7913), (354, 7979), (374, 8051), (375, 8054), (381, 8078), (399, 8129), (402, 8144), (411, 8183), (416, 8204), (445, 8300), (517, 8537), (535, 8567), (537, 8570),

Gene: Pomar16_15 Start: 7416, Stop: 9203, Start Num: 51

Candidate Starts for Pomar16_15:

(16, 7257), (18, 7284), (34, 7380), (Start: 51 @7416 has 557 MA's), (102, 7524), (111, 7545), (128, 7611), (136, 7653), (161, 7740), (206, 7935), (207, 7938), (233, 8046), (Start: 245 @8136 has 1 MA's), (250, 8160), (274, 8259), (284, 8289), (286, 8292), (308, 8403), (350, 8592), (399, 8751), (402, 8766), (405, 8778), (411, 8805), (416, 8826), (439, 8910), (445, 8922), (480, 9012), (517, 9159), (533, 9186), (535, 9189),

Gene: Pons_4 Start: 897, Stop: 2573, Start Num: 87

Candidate Starts for Pons_4:

(Start: 87 @897 has 64 MA's), (Start: 110 @948 has 1 MA's), (116, 969), (140, 1014), (174, 1158), (189, 1221), (196, 1254), (204, 1290), (207, 1299), (208, 1302), (213, 1335), (217, 1350), (238, 1449), (240, 1470), (248, 1506), (252, 1527), (261, 1563), (276, 1629), (289, 1683), (328, 1863), (333, 1896), (367, 1962), (368, 1965), (376, 2028), (378, 2034), (425, 2199), (431, 2232), (454, 2301), (455, 2307), (485, 2379), (486, 2382), (505, 2472), (507, 2478), (512, 2499), (535, 2559), (537, 2562),

Gene: Poompha_10 Start: 4781, Stop: 6472, Start Num: 51

Candidate Starts for Poompha_10:

(Start: 51 @4781 has 557 MA's), (Start: 65 @4805 has 1 MA's), (149, 4997), (161, 5048), (165, 5060), (175, 5123), (196, 5201), (207, 5246), (215, 5285), (231, 5333), (233, 5354), (236, 5378), (Start: 245 @5429 has 1 MA's), (274, 5552), (309, 5699), (320, 5759), (329, 5804), (375, 5945), (393, 5999), (402, 6035), (411, 6074), (416, 6095), (445, 6191), (467, 6260), (517, 6428), (535, 6458), (537, 6461),

Gene: Popcicle_12 Start: 7041, Stop: 8738, Start Num: 51

Candidate Starts for Popcicle_12:

(Start: 51 @7041 has 557 MA's), (Start: 65 @7065 has 1 MA's), (165, 7311), (203, 7485), (207, 7497), (215, 7536), (220, 7548), (233, 7605), (236, 7629), (Start: 245 @7695 has 1 MA's), (247, 7704), (265, 7785), (274, 7818), (306, 7950), (308, 7962), (318, 8016), (324, 8037), (329, 8070), (348, 8124), (375, 8211), (381, 8235), (382, 8238), (384, 8244), (387, 8253), (402, 8301), (411, 8340), (412, 8343), (416, 8361), (445, 8457), (461, 8511), (507, 8664), (517, 8694), (535, 8724), (537, 8727),

Gene: Posh_2 Start: 485, Stop: 2284, Start Num: 52

Candidate Starts for Posh_2:

(Start: 52 @485 has 102 MA's), (115, 623), (159, 782), (161, 797), (178, 881), (185, 911), (189, 923), (192, 932), (200, 971), (207, 992), (230, 1076), (238, 1130), (239, 1148), (Start: 245 @1175 has 1 MA's), (262, 1259), (275, 1310), (279, 1331), (297, 1412), (324, 1490), (368, 1616), (378, 1670), (382, 1685), (384, 1691), (387, 1700), (402, 1757), (405, 1769), (433, 1907), (439, 1943), (445, 1955), (446, 1961), (454, 1979), (461, 2006), (469, 2030), (484, 2093), (492, 2135), (505, 2192), (508, 2207), (514, 2222), (516, 2225), (523, 2240), (535, 2270), (537, 2273),

Gene: PotPie_5 Start: 1762, Stop: 3438, Start Num: 87

Candidate Starts for PotPie_5:

(Start: 87 @1762 has 64 MA's), (Start: 110 @1813 has 1 MA's), (116, 1834), (140, 1879), (152, 1921), (161, 1957), (174, 2023), (189, 2086), (196, 2119), (204, 2155), (207, 2164), (208, 2167), (217, 2215), (220, 2227), (238, 2314), (276, 2494), (289, 2548), (328, 2728), (333, 2761), (367, 2827), (376, 2893), (378, 2899), (402, 2983), (425, 3064), (431, 3097), (454, 3166), (485, 3244), (507, 3343), (512, 3364), (516, 3370), (535, 3424), (537, 3427),

Gene: PotatoSplit_14 Start: 6957, Stop: 8657, Start Num: 52

Candidate Starts for PotatoSplit_14:

(Start: 52 @6957 has 102 MA's), (71, 7005), (139, 7140), (184, 7332), (207, 7419), (Start: 245 @7617 has 1 MA's), (265, 7707), (284, 7770), (316, 7932), (375, 8130), (381, 8154), (382, 8157), (402, 8220), (407, 8241), (416, 8280), (445, 8376), (461, 8430), (480, 8466), (517, 8613), (535, 8643), (537, 8646),

Gene: Poushou_3 Start: 1236, Stop: 2873, Start Num: 76

Candidate Starts for Poushou_3:

(Start: 76 @1236 has 4 MA's), (88, 1260), (Start: 118 @1338 has 2 MA's), (149, 1404), (170, 1503), (174, 1521), (175, 1530), (177, 1536), (187, 1584), (189, 1590), (192, 1599), (201, 1641), (203, 1647), (204, 1650), (207, 1659), (225, 1737), (Start: 245 @1854 has 1 MA's), (248, 1866), (249, 1869), (250, 1878), (265, 1941), (286, 2013), (289, 2046), (315, 2124), (345, 2235), (368, 2280), (401, 2412), (402, 2418), (436, 2550), (445, 2589), (480, 2679), (487, 2706), (505, 2787), (508, 2802), (509, 2805), (511, 2814), (535, 2862),

Gene: Power_12 Start: 7386, Stop: 9173, Start Num: 51

Candidate Starts for Power_12:

(Start: 51 @7386 has 557 MA's), (102, 7494), (111, 7515), (136, 7623), (146, 7647), (170, 7758), (175, 7785), (206, 7905), (207, 7908), (233, 8016), (Start: 245 @8106 has 1 MA's), (250, 8130), (278, 8247), (286, 8262), (350, 8562), (405, 8748), (411, 8775), (416, 8796), (445, 8892), (517, 9129), (533, 9156), (535, 9159),

Gene: Powerpuff_2 Start: 533, Stop: 2290, Start Num: 55

Candidate Starts for Powerpuff_2:

(6, 242), (8, 251), (Start: 55 @533 has 34 MA's), (193, 905), (207, 962), (218, 1010), (238, 1100), (247, 1154), (274, 1274), (293, 1364), (337, 1526), (375, 1700), (445, 1955), (449, 1970), (467, 2024), (485, 2105), (502, 2189), (508, 2213),

Gene: Priamo_15 Start: 7551, Stop: 9305, Start Num: 51

Candidate Starts for Priamo_15:

(Start: 51 @7551 has 557 MA's), (136, 7782), (152, 7833), (161, 7869), (175, 7944), (207, 8067), (215, 8106), (233, 8175), (236, 8199), (237, 8202), (Start: 245 @8265 has 1 MA's), (250, 8289), (274, 8388), (275, 8391), (284, 8418), (286, 8421), (354, 8706), (378, 8793), (381, 8805), (402, 8868), (411, 8907), (416, 8928), (439, 9012), (445, 9024), (517, 9261), (533, 9288), (535, 9291),

Gene: Pringar_35 Start: 10750, Stop: 12492, Start Num: 87

Candidate Starts for Pringar_35:

(Start: 87 @10750 has 64 MA's), (139, 10867), (152, 10912), (160, 10978), (162, 10993), (166, 11026), (167, 11029), (171, 11044), (176, 11068), (177, 11071), (184, 11101), (190, 11122), (192, 11140), (195, 11149), (202, 11185), (207, 11200), (217, 11245), (231, 11287), (235, 11326), (238, 11338), (240, 11359), (251, 11410), (258, 11431), (312, 11653), (333, 11758), (334, 11767), (356, 11800), (367, 11821), (368, 11824), (371, 11851), (375, 11881), (378, 11893), (382, 11908), (385, 11917), (387, 11923), (397, 11965), (400, 11974), (403, 11989), (407, 12004), (425, 12064), (431, 12103), (441, 12136), (452, 12166), (453, 12169), (471, 12253), (485, 12307), (488, 12322), (495, 12349), (506, 12403), (533, 12475), (535, 12478),

Gene: Priya_13 Start: 8140, Stop: 9927, Start Num: 51

Candidate Starts for Priya_13:

(Start: 51 @8140 has 557 MA's), (Start: 60 @8155 has 10 MA's), (Start: 63 @8161 has 4 MA's), (114, 8272), (136, 8371), (175, 8533), (194, 8605), (207, 8659), (215, 8698), (233, 8770), (Start: 245 @8860 has 1 MA's), (250, 8884), (278, 9001), (286, 9016), (307, 9124), (323, 9199), (329, 9235), (343, 9295), (378, 9415), (384, 9436), (399, 9475), (411, 9529), (412, 9532), (416, 9550), (431, 9604), (439, 9634), (445, 9646), (480, 9736), (486, 9754), (517, 9883), (533, 9910), (535, 9913),

Gene: Provolone_7 Start: 2219, Stop: 3874, Start Num: 36

Candidate Starts for Provolone_7:

(Start: 36 @2219 has 1 MA's), (Start: 39 @2228 has 86 MA's), (Start: 41 @2231 has 2 MA's), (Start: 49 @2246 has 10 MA's), (Start: 117 @2378 has 2 MA's), (152, 2450), (161, 2486), (Start: 169 @2531 has 2 MA's), (192, 2624), (196, 2639), (201, 2666), (204, 2675), (208, 2687), (231, 2774), (237, 2822), (Start: 245 @2870 has 1 MA's), (268, 2969), (278, 3008), (313, 3122), (318, 3143), (327, 3182), (345,

3263), (375, 3332), (376, 3338), (380, 3353), (399, 3416), (432, 3548), (445, 3590), (454, 3617), (458, 3635), (481, 3683), (506, 3791),

Gene: PsychoKiller_4 Start: 1113, Stop: 2792, Start Num: 87

Candidate Starts for PsychoKiller_4:

(Start: 87 @1113 has 64 MA's), (Start: 110 @1164 has 1 MA's), (116, 1185), (Start: 117 @1188 has 2 MA's), (138, 1224), (140, 1230), (161, 1311), (174, 1377), (175, 1386), (192, 1458), (196, 1473), (204, 1509), (207, 1518), (217, 1569), (238, 1668), (247, 1722), (257, 1758), (289, 1902), (299, 1938), (308, 1977), (312, 2010), (324, 2058), (329, 2091), (333, 2115), (350, 2148), (367, 2181), (374, 2238), (376, 2247), (401, 2331), (425, 2418), (452, 2514), (481, 2586), (485, 2598), (512, 2718), (535, 2778), (537, 2781),

Gene: Puginator_10 Start: 2746, Stop: 4392, Start Num: 39

Candidate Starts for Puginator_10:

(Start: 39 @2746 has 86 MA's), (Start: 117 @2896 has 2 MA's), (165, 3016), (192, 3142), (201, 3184), (203, 3190), (208, 3205), (231, 3292), (240, 3364), (Start: 245 @3388 has 1 MA's), (268, 3487), (276, 3523), (286, 3541), (319, 3664), (327, 3700), (375, 3850), (380, 3871), (405, 3961), (411, 3988), (433, 4069), (445, 4108), (452, 4129), (458, 4153), (485, 4213), (506, 4309),

Gene: Pukovnik_14 Start: 9110, Stop: 10888, Start Num: 51

Candidate Starts for Pukovnik_14:

(Start: 51 @9110 has 557 MA's), (Start: 63 @9128 has 4 MA's), (114, 9239), (Start: 117 @9251 has 2 MA's), (127, 9293), (130, 9305), (131, 9314), (136, 9338), (161, 9425), (206, 9620), (207, 9623), (215, 9662), (233, 9731), (Start: 245 @9821 has 1 MA's), (250, 9845), (286, 9977), (350, 10277), (375, 10364), (399, 10436), (405, 10463), (411, 10490), (412, 10493), (416, 10511), (445, 10607), (517, 10844), (535, 10874),

Gene: Pumbaa_11 Start: 6859, Stop: 8556, Start Num: 51

Candidate Starts for Pumbaa_11:

(Start: 51 @6859 has 557 MA's), (Start: 65 @6883 has 1 MA's), (Start: 117 @7006 has 2 MA's), (157, 7096), (165, 7129), (184, 7228), (206, 7312), (207, 7315), (215, 7354), (233, 7423), (236, 7447), (Start: 245 @7513 has 1 MA's), (265, 7603), (306, 7768), (324, 7855), (329, 7888), (354, 7954), (374, 8026), (375, 8029), (381, 8053), (399, 8104), (402, 8119), (411, 8158), (416, 8179), (445, 8275), (517, 8512), (535, 8542), (537, 8545),

Gene: Pumpkins_2 Start: 547, Stop: 2244, Start Num: 55

Candidate Starts for Pumpkins_2:

(Start: 55 @547 has 34 MA's), (Start: 110 @634 has 1 MA's), (193, 919), (207, 976), (215, 1018), (238, 1114), (247, 1168), (274, 1288), (293, 1378), (375, 1663), (405, 1774), (425, 1843), (445, 1918), (449, 1933), (485, 2059), (502, 2143), (508, 2167),

Gene: Puppy_12 Start: 6115, Stop: 7812, Start Num: 51

Candidate Starts for Puppy_12:

(Start: 51 @6115 has 557 MA's), (Start: 65 @6139 has 1 MA's), (86, 6187), (165, 6385), (175, 6448), (203, 6559), (207, 6571), (215, 6610), (220, 6622), (233, 6679), (236, 6703), (Start: 245 @6769 has 1 MA's), (247, 6778), (265, 6859), (271, 6886), (306, 7024), (324, 7111), (329, 7144), (354, 7210), (375, 7285), (381, 7309), (382, 7312), (384, 7318), (387, 7327), (399, 7360), (402, 7375), (416, 7435), (445, 7531), (458, 7576), (461, 7585), (507, 7738), (517, 7768), (535, 7798), (537, 7801),

Gene: PurpleHaze_13 Start: 7028, Stop: 8728, Start Num: 52

Candidate Starts for PurpleHaze_13:

(Start: 52 @7028 has 102 MA's), (71, 7076), (Start: 110 @7148 has 1 MA's), (139, 7211), (207, 7490), (Start: 245 @7688 has 1 MA's), (265, 7778), (284, 7841), (316, 8003), (375, 8201), (381, 8225), (382,

8228), (402, 8291), (405, 8303), (407, 8312), (411, 8330), (416, 8351), (445, 8447), (461, 8501), (480, 8537), (517, 8684), (535, 8714), (537, 8717),

Gene: Pytheas_2 Start: 485, Stop: 2284, Start Num: 52

Candidate Starts for Pytheas_2:

(Start: 52 @485 has 102 MA's), (115, 623), (159, 782), (161, 797), (178, 881), (185, 911), (189, 923), (192, 932), (200, 971), (207, 992), (230, 1076), (239, 1148), (247, 1184), (255, 1220), (275, 1310), (279, 1331), (289, 1382), (298, 1415), (357, 1589), (368, 1616), (375, 1658), (382, 1685), (384, 1691), (402, 1757), (405, 1769), (411, 1796), (433, 1907), (439, 1943), (445, 1955), (454, 1979), (461, 2006), (469, 2030), (484, 2093), (492, 2135), (505, 2192), (508, 2207), (514, 2222), (516, 2225), (523, 2240), (535, 2270), (537, 2273),

Gene: QTRlifeCrisis_14 Start: 7447, Stop: 9135, Start Num: 51

Candidate Starts for QTRlifeCrisis_14:

(Start: 51 @7447 has 557 MA's), (165, 7711), (170, 7747), (207, 7897), (233, 8005), (Start: 245 @8095 has 1 MA's), (250, 8119), (267, 8194), (287, 8263), (306, 8350), (316, 8410), (382, 8635), (385, 8644), (389, 8656), (402, 8698), (407, 8719), (414, 8746), (445, 8854), (480, 8944), (503, 9049),

Gene: Qobbit_13 Start: 8160, Stop: 9926, Start Num: 63

Candidate Starts for Qobbit_13:

(Start: 51 @8139 has 557 MA's), (Start: 60 @8154 has 10 MA's), (Start: 63 @8160 has 4 MA's), (114, 8271), (136, 8370), (175, 8532), (194, 8604), (207, 8658), (215, 8697), (233, 8769), (Start: 245 @8859 has 1 MA's), (250, 8883), (278, 9000), (286, 9015), (307, 9123), (323, 9198), (329, 9234), (343, 9294), (378, 9414), (384, 9435), (399, 9474), (411, 9528), (412, 9531), (416, 9549), (431, 9603), (439, 9633), (445, 9645), (480, 9735), (486, 9753), (517, 9882), (533, 9909), (535, 9912),

Gene: Quasar_4 Start: 1734, Stop: 3413, Start Num: 87

Candidate Starts for Quasar_4:

(Start: 87 @1734 has 64 MA's), (Start: 110 @1785 has 1 MA's), (116, 1806), (140, 1851), (161, 1932), (174, 1998), (175, 2007), (192, 2079), (196, 2094), (204, 2130), (207, 2139), (217, 2190), (238, 2289), (247, 2343), (257, 2379), (289, 2523), (299, 2559), (308, 2598), (312, 2631), (324, 2679), (329, 2712), (333, 2736), (350, 2769), (367, 2802), (374, 2859), (376, 2868), (401, 2952), (425, 3039), (452, 3135), (481, 3207), (485, 3219), (512, 3339), (535, 3399), (537, 3402),

Gene: QueenB2_12 Start: 7454, Stop: 9241, Start Num: 51

Candidate Starts for QueenB2_12:

(Start: 51 @7454 has 557 MA's), (102, 7562), (111, 7583), (136, 7691), (175, 7853), (207, 7976), (233, 8084), (Start: 245 @8174 has 1 MA's), (250, 8198), (278, 8315), (286, 8330), (350, 8630), (405, 8816), (411, 8843), (416, 8864), (445, 8960), (517, 9197), (533, 9224), (535, 9227),

Gene: QueenBeesly_12 Start: 7386, Stop: 9173, Start Num: 51

Candidate Starts for QueenBeesly_12:

(Start: 51 @7386 has 557 MA's), (102, 7494), (111, 7515), (136, 7623), (175, 7785), (206, 7905), (207, 7908), (233, 8016), (Start: 245 @8106 has 1 MA's), (250, 8130), (278, 8247), (286, 8262), (350, 8562), (405, 8748), (411, 8775), (416, 8796), (445, 8892), (517, 9129), (533, 9156), (535, 9159),

Gene: QuinnKiro_11 Start: 7044, Stop: 8741, Start Num: 51

Candidate Starts for QuinnKiro_11:

(Start: 51 @7044 has 557 MA's), (Start: 65 @7068 has 1 MA's), (165, 7314), (203, 7488), (207, 7500), (215, 7539), (220, 7551), (233, 7608), (236, 7632), (Start: 245 @7698 has 1 MA's), (247, 7707), (265, 7788), (274, 7821), (306, 7953), (308, 7965), (318, 8019), (324, 8040), (329, 8073), (348, 8127), (375, 8214), (381, 8238), (382, 8241), (384, 8247), (387, 8256), (402, 8304), (411, 8343), (412, 8346), (416, 8364), (445, 8460), (461, 8514), (507, 8667), (517, 8697), (535, 8727), (537, 8730),

Gene: R4_6 Start: 2205, Stop: 3866, Start Num: 39

Candidate Starts for R4_6:

(Start: 39 @2205 has 86 MA's), (149, 2427), (Start: 169 @2523 has 2 MA's), (192, 2616), (196, 2631), (201, 2658), (208, 2679), (231, 2766), (Start: 245 @2862 has 1 MA's), (254, 2895), (265, 2949), (274, 2982), (281, 3006), (296, 3075), (319, 3138), (320, 3144), (327, 3174), (346, 3258), (374, 3321), (375, 3324), (378, 3336), (380, 3345), (383, 3354), (399, 3408), (405, 3435), (445, 3582), (452, 3603), (458, 3627), (485, 3687), (506, 3783), (539, 3861),

Gene: RER2_1 Start: 28, Stop: 1710, Start Num: 53

Candidate Starts for RER2_1:

(Start: 53 @28 has 36 MA's), (Start: 143 @214 has 2 MA's), (161, 286), (165, 298), (166, 322), (170, 334), (207, 487), (209, 502), (227, 562), (Start: 245 @670 has 1 MA's), (258, 727), (304, 925), (308, 943), (318, 997), (368, 1141), (374, 1180), (375, 1183), (384, 1216), (405, 1285), (445, 1429), (458, 1474), (485, 1534), (506, 1633), (517, 1666), (533, 1693), (535, 1696), (537, 1699),

Gene: RGL3_1 Start: 361, Stop: 1710, Start Num: 175

Candidate Starts for RGL3_1:

(48, 19), (Start: 53 @28 has 36 MA's), (161, 286), (165, 298), (175, 361), (209, 502), (227, 562), (236, 619), (237, 622), (Start: 245 @670 has 1 MA's), (274, 799), (318, 997), (320, 1006), (324, 1018), (358, 1111), (375, 1183), (402, 1273), (405, 1285), (411, 1312), (425, 1354), (445, 1429), (458, 1474), (485, 1534), (517, 1666), (535, 1696),

Gene: Rachaly_15 Start: 9139, Stop: 10920, Start Num: 51

Candidate Starts for Rachaly_15:

(21, 9019), (38, 9112), (Start: 51 @9139 has 557 MA's), (114, 9271), (131, 9346), (136, 9370), (152, 9421), (206, 9652), (207, 9655), (215, 9694), (233, 9763), (Start: 245 @9853 has 1 MA's), (250, 9877), (274, 9976), (284, 10006), (286, 10009), (399, 10468), (402, 10483), (405, 10495), (411, 10522), (416, 10543), (445, 10639), (517, 10876), (533, 10903), (535, 10906),

Gene: Raela_35 Start: 10993, Stop: 12735, Start Num: 87

Candidate Starts for Raela_35:

(Start: 87 @10993 has 64 MA's), (139, 11110), (152, 11155), (160, 11221), (162, 11236), (166, 11269), (167, 11272), (171, 11287), (176, 11311), (177, 11314), (184, 11344), (190, 11365), (192, 11383), (195, 11392), (202, 11428), (207, 11443), (217, 11488), (231, 11530), (235, 11569), (238, 11581), (240, 11602), (251, 11653), (258, 11674), (312, 11896), (333, 12001), (334, 12010), (356, 12043), (367, 12064), (368, 12067), (371, 12094), (375, 12124), (378, 12136), (382, 12151), (385, 12160), (387, 12166), (397, 12208), (400, 12217), (403, 12232), (407, 12247), (425, 12307), (431, 12346), (441, 12379), (452, 12409), (453, 12412), (471, 12496), (485, 12550), (488, 12565), (495, 12592), (506, 12646), (533, 12718), (535, 12721),

Gene: Rahalelujah_11 Start: 6185, Stop: 7972, Start Num: 51

Candidate Starts for Rahalelujah_11:

(Start: 51 @6185 has 557 MA's), (114, 6314), (136, 6413), (175, 6575), (182, 6608), (194, 6647), (207, 6701), (215, 6740), (233, 6812), (Start: 245 @6902 has 1 MA's), (250, 6926), (278, 7043), (286, 7058), (307, 7166), (323, 7241), (344, 7340), (358, 7373), (378, 7457), (384, 7478), (399, 7520), (402, 7535), (405, 7547), (411, 7574), (416, 7595), (431, 7649), (445, 7691), (480, 7781), (486, 7799), (498, 7850), (517, 7928), (533, 7955), (535, 7958),

Gene: Rajelicia_11 Start: 6954, Stop: 8642, Start Num: 51

Candidate Starts for Rajelicia_11:

(Start: 51 @6954 has 557 MA's), (165, 7218), (166, 7242), (207, 7404), (213, 7437), (233, 7512), (Start: 245 @7602 has 1 MA's), (250, 7626), (258, 7653), (267, 7701), (302, 7845), (306, 7857), (316,

7917), (382, 8142), (385, 8151), (389, 8163), (402, 8205), (407, 8226), (414, 8253), (445, 8361), (480, 8451), (503, 8556),

Gene: Rana_6 Start: 2374, Stop: 4020, Start Num: 39

Candidate Starts for Rana_6:

(Start: 39 @2374 has 86 MA's), (Start: 49 @2392 has 10 MA's), (152, 2596), (161, 2632), (201, 2812), (208, 2833), (219, 2878), (231, 2920), (240, 2992), (Start: 245 @3016 has 1 MA's), (268, 3115), (271, 3130), (278, 3154), (281, 3160), (327, 3328), (375, 3478), (380, 3499), (405, 3589), (433, 3697), (445, 3736), (452, 3757), (454, 3763), (458, 3781), (506, 3937), (539, 4015),

Gene: Rasputin_8 Start: 3156, Stop: 4838, Start Num: 53

Candidate Starts for Rasputin_8:

(Start: 53 @3156 has 36 MA's), (Start: 143 @3342 has 2 MA's), (161, 3414), (165, 3426), (166, 3450), (170, 3462), (207, 3615), (209, 3630), (227, 3690), (Start: 245 @3798 has 1 MA's), (258, 3855), (304, 4053), (308, 4071), (318, 4125), (368, 4269), (375, 4311), (384, 4344), (405, 4413), (445, 4557), (458, 4602), (485, 4662), (506, 4761), (517, 4794), (533, 4821), (535, 4824), (537, 4827),

Gene: ReMo_14 Start: 6686, Stop: 8383, Start Num: 51

Candidate Starts for ReMo_14:

(Start: 51 @6686 has 557 MA's), (62, 6704), (139, 6866), (175, 7022), (194, 7091), (207, 7145), (233, 7253), (237, 7280), (Start: 245 @7343 has 1 MA's), (250, 7367), (381, 7883), (402, 7946), (412, 7988), (445, 8102), (485, 8207), (517, 8339), (533, 8366), (535, 8369), (537, 8372),

Gene: Reba_14 Start: 6700, Stop: 8400, Start Num: 52

Candidate Starts for Reba_14:

(Start: 52 @6700 has 102 MA's), (71, 6748), (139, 6883), (207, 7162), (Start: 245 @7360 has 1 MA's), (265, 7450), (284, 7513), (316, 7675), (375, 7873), (381, 7897), (382, 7900), (402, 7963), (405, 7975), (407, 7984), (411, 8002), (416, 8023), (445, 8119), (461, 8173), (480, 8209), (517, 8356), (535, 8386), (537, 8389),

Gene: Rebeuca_12 Start: 6881, Stop: 8557, Start Num: 51

Candidate Starts for Rebeuca_12:

(Start: 51 @6881 has 557 MA's), (Start: 117 @7013 has 2 MA's), (165, 7145), (172, 7190), (196, 7286), (207, 7331), (215, 7370), (231, 7418), (233, 7439), (236, 7463), (Start: 245 @7514 has 1 MA's), (274, 7637), (306, 7769), (320, 7844), (329, 7889), (354, 7955), (375, 8030), (381, 8054), (382, 8057), (402, 8120), (411, 8159), (412, 8162), (416, 8180), (445, 8276), (467, 8345), (517, 8513), (535, 8543), (537, 8546),

Gene: RedBaron_5 Start: 1158, Stop: 2837, Start Num: 87

Candidate Starts for RedBaron_5:

(Start: 87 @1158 has 64 MA's), (Start: 110 @1209 has 1 MA's), (116, 1230), (Start: 117 @1233 has 2 MA's), (140, 1275), (161, 1356), (174, 1422), (175, 1431), (192, 1503), (196, 1518), (204, 1554), (207, 1563), (217, 1614), (238, 1713), (247, 1767), (257, 1803), (289, 1947), (299, 1983), (308, 2022), (312, 2055), (324, 2103), (329, 2136), (333, 2160), (350, 2193), (367, 2226), (374, 2283), (376, 2292), (401, 2376), (425, 2463), (452, 2559), (481, 2631), (485, 2643), (512, 2763), (535, 2823), (537, 2826),

Gene: RedBear_8 Start: 2648, Stop: 4294, Start Num: 39

Candidate Starts for RedBear_8:

(Start: 39 @2648 has 86 MA's), (Start: 49 @2666 has 10 MA's), (152, 2870), (Start: 169 @2951 has 2 MA's), (201, 3086), (208, 3107), (219, 3152), (231, 3194), (240, 3266), (Start: 245 @3290 has 1 MA's), (268, 3389), (286, 3443), (295, 3500), (327, 3602), (338, 3662), (353, 3689), (380, 3773), (384, 3785), (405, 3863), (413, 3896), (433, 3971), (445, 4010), (452, 4031), (454, 4037), (458, 4055), (492, 4151), (506, 4211),

Gene: RedRaider77_35 Start: 10894, Stop: 12636, Start Num: 87

Candidate Starts for RedRaider77_35:

(Start: 87 @10894 has 64 MA's), (139, 11011), (152, 11056), (160, 11122), (162, 11137), (166, 11170), (167, 11173), (171, 11188), (176, 11212), (177, 11215), (184, 11245), (190, 11266), (192, 11284), (195, 11293), (202, 11329), (207, 11344), (217, 11389), (231, 11431), (235, 11470), (238, 11482), (240, 11503), (251, 11554), (258, 11575), (312, 11797), (333, 11902), (334, 11911), (356, 11944), (367, 11965), (368, 11968), (371, 11995), (375, 12025), (378, 12037), (382, 12052), (385, 12061), (387, 12067), (397, 12109), (400, 12118), (403, 12133), (407, 12148), (425, 12208), (431, 12247), (441, 12280), (452, 12310), (453, 12313), (471, 12397), (485, 12451), (488, 12466), (495, 12493), (506, 12547), (533, 12619), (535, 12622),

Gene: RedRock_15 Start: 9396, Stop: 11156, Start Num: 51

Candidate Starts for RedRock_15:

(25, 9312), (Start: 51 @9396 has 557 MA's), (102, 9504), (111, 9525), (131, 9609), (136, 9633), (146, 9657), (161, 9720), (171, 9774), (194, 9864), (207, 9918), (233, 10026), (Start: 245 @10116 has 1 MA's), (250, 10140), (286, 10272), (313, 10416), (319, 10440), (350, 10548), (375, 10632), (399, 10704), (402, 10719), (411, 10758), (412, 10761), (416, 10779), (445, 10875), (467, 10944), (517, 11112), (533, 11139), (535, 11142), (537, 11145), (538, 11148),

Gene: Reedo_2 Start: 544, Stop: 2244, Start Num: 57

Candidate Starts for Reedo_2:

(Start: 57 @544 has 5 MA's), (101, 607), (193, 913), (207, 970), (218, 1018), (238, 1108), (247, 1162), (257, 1207), (274, 1282), (337, 1534), (360, 1591), (375, 1654), (410, 1786), (433, 1873), (445, 1909), (449, 1924), (455, 1942), (506, 2155), (508, 2167),

Gene: Refuge_15 Start: 9750, Stop: 11534, Start Num: 51

Candidate Starts for Refuge_15:

(Start: 51 @9750 has 557 MA's), (Start: 110 @9870 has 1 MA's), (114, 9882), (130, 9948), (136, 9981), (161, 10068), (194, 10212), (207, 10266), (215, 10305), (233, 10377), (Start: 245 @10467 has 1 MA's), (250, 10491), (274, 10590), (278, 10608), (286, 10623), (313, 10767), (334, 10875), (375, 11010), (399, 11082), (402, 11097), (416, 11157), (445, 11253), (480, 11343), (507, 11460), (516, 11487), (517, 11490), (533, 11517), (535, 11520), (537, 11523),

Gene: Relief_11 Start: 6885, Stop: 8582, Start Num: 51

Candidate Starts for Relief_11:

(Start: 51 @6885 has 557 MA's), (Start: 65 @6909 has 1 MA's), (Start: 117 @7032 has 2 MA's), (157, 7122), (165, 7155), (184, 7254), (206, 7338), (207, 7341), (215, 7380), (233, 7449), (236, 7473), (Start: 245 @7539 has 1 MA's), (265, 7629), (306, 7794), (324, 7881), (329, 7914), (354, 7980), (374, 8052), (375, 8055), (381, 8079), (399, 8130), (402, 8145), (411, 8184), (416, 8205), (445, 8301), (517, 8538), (535, 8568), (537, 8571),

Gene: Remus_14 Start: 6647, Stop: 8344, Start Num: 51

Candidate Starts for Remus_14:

(Start: 51 @6647 has 557 MA's), (62, 6665), (139, 6827), (194, 7052), (207, 7106), (233, 7214), (237, 7241), (Start: 245 @7304 has 1 MA's), (250, 7328), (381, 7844), (402, 7907), (412, 7949), (445, 8063), (485, 8168), (517, 8300), (533, 8327), (535, 8330), (537, 8333),

Gene: Renaud18_2 Start: 458, Stop: 2236, Start Num: 52

Candidate Starts for Renaud18_2:

(Start: 52 @458 has 102 MA's), (81, 509), (92, 530), (104, 560), (106, 566), (113, 581), (131, 632), (150, 695), (152, 707), (161, 743), (170, 791), (173, 806), (175, 818), (177, 824), (191, 881), (192, 884), (194, 890), (197, 905), (200, 923), (201, 926), (207, 944), (238, 1085), (239, 1103), (Start: 245

@1130 has 1 MA's), (250, 1154), (257, 1187), (275, 1265), (293, 1355), (297, 1364), (301, 1379), (318, 1421), (319, 1424), (328, 1466), (329, 1475), (333, 1499), (357, 1541), (359, 1544), (368, 1568), (374, 1607), (375, 1610), (379, 1625), (384, 1643), (386, 1646), (408, 1727), (411, 1742), (412, 1745), (415, 1757), (420, 1796), (431, 1847), (433, 1853), (439, 1889), (445, 1901), (454, 1925), (461, 1952), (464, 1961), (465, 1964), (481, 2036), (492, 2084), (495, 2090), (500, 2123), (501, 2129), (503, 2135), (505, 2141), (506, 2144), (508, 2156), (516, 2174), (524, 2195), (531, 2213), (537, 2225),

Gene: ResDef_12 Start: 7044, Stop: 8741, Start Num: 51

Candidate Starts for ResDef_12:

(Start: 51 @7044 has 557 MA's), (Start: 65 @7068 has 1 MA's), (165, 7314), (203, 7488), (207, 7500), (215, 7539), (220, 7551), (233, 7608), (236, 7632), (Start: 245 @7698 has 1 MA's), (247, 7707), (265, 7788), (274, 7821), (306, 7953), (308, 7965), (318, 8019), (324, 8040), (329, 8073), (348, 8127), (375, 8214), (381, 8238), (382, 8241), (384, 8247), (387, 8256), (402, 8304), (411, 8343), (412, 8346), (416, 8364), (445, 8460), (461, 8514), (507, 8667), (517, 8697), (535, 8727), (537, 8730),

Gene: Retro23_12 Start: 7537, Stop: 9324, Start Num: 51

Candidate Starts for Retro23_12:

(Start: 51 @7537 has 557 MA's), (102, 7645), (111, 7666), (136, 7774), (175, 7936), (206, 8056), (207, 8059), (233, 8167), (Start: 245 @8257 has 1 MA's), (250, 8281), (278, 8398), (286, 8413), (350, 8713), (405, 8899), (411, 8926), (416, 8947), (445, 9043), (517, 9280), (533, 9307), (535, 9310),

Gene: RexFury_8 Start: 3187, Stop: 4869, Start Num: 53

Candidate Starts for RexFury_8:

(Start: 53 @3187 has 36 MA's), (Start: 143 @3373 has 2 MA's), (161, 3445), (165, 3457), (166, 3481), (170, 3493), (207, 3646), (209, 3661), (227, 3721), (Start: 245 @3829 has 1 MA's), (258, 3886), (304, 4084), (308, 4102), (318, 4156), (368, 4300), (375, 4342), (384, 4375), (405, 4444), (445, 4588), (458, 4633), (485, 4693), (506, 4792), (517, 4825), (533, 4852), (535, 4855), (537, 4858),

Gene: Rhodalysa_8 Start: 3156, Stop: 4838, Start Num: 53

Candidate Starts for Rhodalysa_8:

(Start: 53 @3156 has 36 MA's), (Start: 143 @3342 has 2 MA's), (161, 3414), (165, 3426), (166, 3450), (170, 3462), (207, 3615), (209, 3630), (227, 3690), (Start: 245 @3798 has 1 MA's), (258, 3855), (304, 4053), (308, 4071), (318, 4125), (368, 4269), (374, 4308), (375, 4311), (384, 4344), (405, 4413), (445, 4557), (458, 4602), (485, 4662), (506, 4761), (517, 4794), (533, 4821), (535, 4824), (537, 4827),

Gene: RhynO_12 Start: 6844, Stop: 8535, Start Num: 51

Candidate Starts for RhynO_12:

(Start: 51 @6844 has 557 MA's), (Start: 65 @6868 has 1 MA's), (Start: 117 @6991 has 2 MA's), (148, 7057), (161, 7111), (165, 7123), (172, 7168), (184, 7222), (192, 7249), (196, 7264), (207, 7309), (215, 7348), (231, 7396), (233, 7417), (236, 7441), (Start: 245 @7492 has 1 MA's), (274, 7615), (309, 7762), (320, 7822), (329, 7867), (354, 7933), (375, 8008), (381, 8032), (402, 8098), (416, 8158), (445, 8254), (461, 8308), (517, 8491), (535, 8521), (537, 8524),

Gene: Rhynn_11 Start: 7048, Stop: 8736, Start Num: 51

Candidate Starts for Rhynn_11:

(Start: 51 @7048 has 557 MA's), (165, 7312), (166, 7336), (207, 7498), (213, 7531), (233, 7606), (241, 7660), (Start: 245 @7696 has 1 MA's), (250, 7720), (258, 7747), (267, 7795), (287, 7864), (306, 7951), (316, 8011), (385, 8245), (389, 8257), (402, 8299), (407, 8320), (414, 8347), (445, 8455), (480, 8545), (503, 8650),

Gene: RidgeCB_11 Start: 6575, Stop: 8263, Start Num: 51

Candidate Starts for RidgeCB_11:

(Start: 51 @6575 has 557 MA's), (Start: 143 @6755 has 2 MA's), (165, 6839), (170, 6875), (175, 6902), (207, 7025), (233, 7133), (Start: 245 @7223 has 1 MA's), (250, 7247), (258, 7274), (267, 7322), (306, 7478), (316, 7538), (385, 7772), (389, 7784), (402, 7826), (407, 7847), (414, 7874), (445, 7982), (480, 8072), (503, 8177),

Gene: Rifter_15 Start: 7506, Stop: 9260, Start Num: 51

Candidate Starts for Rifter_15:

(Start: 51 @7506 has 557 MA's), (114, 7638), (136, 7737), (146, 7761), (152, 7788), (161, 7824), (175, 7899), (207, 8022), (209, 8037), (215, 8061), (233, 8130), (236, 8154), (237, 8157), (Start: 245 @8220 has 1 MA's), (250, 8244), (284, 8373), (286, 8376), (308, 8487), (348, 8649), (375, 8736), (378, 8748), (381, 8760), (399, 8808), (402, 8823), (416, 8883), (439, 8967), (445, 8979), (517, 9216), (533, 9243), (535, 9246),

Gene: Ringer_11 Start: 7246, Stop: 8934, Start Num: 51

Candidate Starts for Ringer_11:

(Start: 51 @7246 has 557 MA's), (Start: 143 @7426 has 2 MA's), (165, 7510), (170, 7546), (175, 7573), (207, 7696), (233, 7804), (Start: 245 @7894 has 1 MA's), (250, 7918), (258, 7945), (267, 7993), (306, 8149), (316, 8209), (382, 8434), (385, 8443), (389, 8455), (402, 8497), (407, 8518), (414, 8545), (445, 8653), (480, 8743), (503, 8848),

Gene: Roary_9 Start: 5668, Stop: 7422, Start Num: 31

Candidate Starts for Roary_9:

(Start: 31 @5668 has 29 MA's), (45, 5710), (Start: 65 @5749 has 1 MA's), (114, 5857), (175, 6064), (227, 6265), (Start: 245 @6373 has 1 MA's), (274, 6502), (310, 6667), (318, 6700), (356, 6820), (375, 6895), (407, 7006), (411, 7024), (416, 7045), (431, 7099), (445, 7141), (467, 7210), (485, 7246), (506, 7345), (517, 7378), (537, 7411), (539, 7417),

Gene: Rockstar_11 Start: 6367, Stop: 8064, Start Num: 51

Candidate Starts for Rockstar_11:

(Start: 51 @6367 has 557 MA's), (86, 6439), (165, 6637), (175, 6700), (203, 6811), (207, 6823), (220, 6874), (233, 6931), (236, 6955), (Start: 245 @7021 has 1 MA's), (247, 7030), (265, 7111), (271, 7138), (306, 7276), (318, 7342), (324, 7363), (329, 7396), (354, 7462), (375, 7537), (381, 7561), (382, 7564), (384, 7570), (387, 7579), (402, 7627), (411, 7666), (416, 7687), (445, 7783), (461, 7837), (507, 7990), (517, 8020), (535, 8050), (537, 8053),

Gene: Rohr_12 Start: 7254, Stop: 8942, Start Num: 51

Candidate Starts for Rohr_12:

(Start: 51 @7254 has 557 MA's), (Start: 143 @7434 has 2 MA's), (165, 7518), (170, 7554), (175, 7581), (207, 7704), (213, 7737), (233, 7812), (Start: 245 @7902 has 1 MA's), (250, 7926), (258, 7953), (267, 8001), (306, 8157), (316, 8217), (382, 8442), (385, 8451), (389, 8463), (402, 8505), (407, 8526), (414, 8553), (445, 8661), (480, 8751), (503, 8856),

Gene: Roksolana_15 Start: 7533, Stop: 9287, Start Num: 51

Candidate Starts for Roksolana_15:

(Start: 51 @7533 has 557 MA's), (114, 7665), (136, 7764), (146, 7788), (152, 7815), (161, 7851), (175, 7926), (207, 8049), (209, 8064), (215, 8088), (233, 8157), (236, 8181), (237, 8184), (Start: 245 @8247 has 1 MA's), (250, 8271), (284, 8400), (286, 8403), (308, 8514), (348, 8676), (375, 8763), (378, 8775), (381, 8787), (399, 8835), (402, 8850), (411, 8889), (416, 8910), (439, 8994), (445, 9006), (517, 9243), (533, 9270), (535, 9273),

Gene: Romney_11 Start: 6883, Stop: 8580, Start Num: 51

Candidate Starts for Romney_11:

(Start: 51 @6883 has 557 MA's), (Start: 65 @6907 has 1 MA's), (Start: 117 @7030 has 2 MA's), (157, 7120), (165, 7153), (184, 7252), (206, 7336), (207, 7339), (215, 7378), (233, 7447), (236, 7471), (Start: 245 @7537 has 1 MA's), (265, 7627), (306, 7792), (324, 7879), (329, 7912), (354, 7978), (374, 8050), (375, 8053), (381, 8077), (399, 8128), (402, 8143), (411, 8182), (416, 8203), (445, 8299), (517, 8536), (535, 8566), (537, 8569),

Gene: RonRayGun_3 Start: 724, Stop: 2607, Start Num: 39

Candidate Starts for RonRayGun_3:

(9, 475), (Start: 39 @724 has 86 MA's), (Start: 75 @805 has 1 MA's), (83, 814), (120, 910), (124, 922), (161, 1054), (195, 1201), (196, 1207), (201, 1234), (207, 1252), (224, 1315), (248, 1450), (290, 1651), (311, 1708), (376, 1927), (394, 1978), (396, 2002), (408, 2053), (434, 2182), (441, 2221), (445, 2230), (460, 2281), (469, 2320), (481, 2407), (485, 2419), (505, 2512), (508, 2527), (509, 2530),

Gene: Roosevelt_11 Start: 6884, Stop: 8581, Start Num: 51

Candidate Starts for Roosevelt_11:

(Start: 51 @6884 has 557 MA's), (Start: 65 @6908 has 1 MA's), (Start: 117 @7031 has 2 MA's), (157, 7121), (165, 7154), (184, 7253), (206, 7337), (207, 7340), (215, 7379), (233, 7448), (236, 7472), (Start: 245 @7538 has 1 MA's), (265, 7628), (306, 7793), (324, 7880), (329, 7913), (354, 7979), (374, 8051), (375, 8054), (381, 8078), (399, 8129), (402, 8144), (411, 8183), (416, 8204), (445, 8300), (517, 8537), (535, 8567), (537, 8570),

Gene: Rosalind_14 Start: 6808, Stop: 8505, Start Num: 51

Candidate Starts for Rosalind_14:

(Start: 51 @6808 has 557 MA's), (62, 6826), (139, 6988), (175, 7144), (194, 7213), (207, 7267), (233, 7375), (237, 7402), (Start: 245 @7465 has 1 MA's), (250, 7489), (381, 8005), (402, 8068), (412, 8110), (445, 8224), (485, 8329), (517, 8461), (533, 8488), (535, 8491), (537, 8494),

Gene: Rubeus_12 Start: 7080, Stop: 8768, Start Num: 54

Candidate Starts for Rubeus_12:

(Start: 54 @7080 has 35 MA's), (139, 7251), (Start: 143 @7260 has 2 MA's), (165, 7344), (167, 7371), (170, 7380), (207, 7530), (213, 7563), (233, 7638), (Start: 245 @7728 has 1 MA's), (250, 7752), (258, 7779), (267, 7827), (306, 7983), (316, 8043), (382, 8268), (385, 8277), (389, 8289), (402, 8331), (407, 8352), (414, 8379), (445, 8487), (480, 8577), (503, 8682),

Gene: Rufus_12 Start: 7137, Stop: 8825, Start Num: 54

Candidate Starts for Rufus_12:

(Start: 54 @7137 has 35 MA's), (139, 7308), (Start: 143 @7317 has 2 MA's), (165, 7401), (167, 7428), (170, 7437), (207, 7587), (213, 7620), (233, 7695), (Start: 245 @7785 has 1 MA's), (250, 7809), (258, 7836), (267, 7884), (287, 7953), (302, 8028), (306, 8040), (316, 8100), (385, 8334), (389, 8346), (402, 8388), (407, 8409), (414, 8436), (445, 8544), (480, 8634), (503, 8739),

Gene: Ruin_11 Start: 6883, Stop: 8580, Start Num: 51

Candidate Starts for Ruin_11:

(Start: 51 @6883 has 557 MA's), (Start: 65 @6907 has 1 MA's), (Start: 117 @7030 has 2 MA's), (157, 7120), (165, 7153), (184, 7252), (206, 7336), (207, 7339), (215, 7378), (233, 7447), (236, 7471), (Start: 245 @7537 has 1 MA's), (265, 7627), (306, 7792), (324, 7879), (329, 7912), (354, 7978), (374, 8050), (375, 8053), (381, 8077), (399, 8128), (402, 8143), (411, 8182), (416, 8203), (445, 8299), (517, 8536), (535, 8566), (537, 8569),

Gene: Rummer_13 Start: 7041, Stop: 8741, Start Num: 52

Candidate Starts for Rummer_13:

(Start: 52 @7041 has 102 MA's), (71, 7089), (139, 7224), (184, 7416), (207, 7503), (Start: 245 @7701 has 1 MA's), (265, 7791), (284, 7854), (316, 8016), (375, 8214), (381, 8238), (382, 8241), (402, 8304),

(407, 8325), (416, 8364), (445, 8460), (461, 8514), (480, 8550), (517, 8697), (535, 8727), (537, 8730),

Gene: Ruotula_10 Start: 7196, Stop: 8884, Start Num: 51

Candidate Starts for Ruotula_10:

(Start: 51 @7196 has 557 MA's), (165, 7460), (166, 7484), (207, 7646), (213, 7679), (233, 7754),
(Start: 245 @7844 has 1 MA's), (250, 7868), (258, 7895), (267, 7943), (287, 8012), (306, 8099), (316,
8159), (385, 8393), (389, 8405), (402, 8447), (407, 8468), (414, 8495), (445, 8603), (480, 8693), (503,
8798),

Gene: Rusticus_7 Start: 2580, Stop: 4208, Start Num: 49

Candidate Starts for Rusticus_7:

(Start: 39 @2562 has 86 MA's), (Start: 49 @2580 has 10 MA's), (152, 2784), (Start: 169 @2865 has 2
MA's), (201, 3000), (208, 3021), (219, 3066), (231, 3108), (240, 3180), (Start: 245 @3204 has 1 MA's),
(265, 3291), (268, 3303), (286, 3357), (313, 3456), (327, 3516), (378, 3678), (380, 3687), (405, 3777),
(413, 3810), (432, 3882), (433, 3885), (445, 3924), (452, 3945), (454, 3951), (458, 3969), (492, 4065),
(506, 4125),

Gene: Rutherferd_13 Start: 7598, Stop: 9286, Start Num: 54

Candidate Starts for Rutherferd_13:

(Start: 54 @7598 has 35 MA's), (Start: 143 @7778 has 2 MA's), (165, 7862), (167, 7889), (170, 7898),
(207, 8048), (213, 8081), (233, 8156), (Start: 245 @8246 has 1 MA's), (250, 8270), (258, 8297), (267,
8345), (306, 8501), (316, 8561), (382, 8786), (385, 8795), (389, 8807), (402, 8849), (407, 8870), (414,
8897), (445, 9005), (480, 9095), (503, 9200),

Gene: SPB78_2 Start: 441, Stop: 2099, Start Num: 85

Candidate Starts for SPB78_2:

(Start: 85 @441 has 9 MA's), (Start: 110 @495 has 1 MA's), (114, 507), (139, 555), (145, 570), (148,
582), (161, 639), (167, 678), (185, 756), (192, 786), (202, 831), (207, 846), (210, 864), (248, 1041),
(289, 1218), (308, 1293), (328, 1398), (333, 1431), (335, 1446), (367, 1497), (382, 1584), (387, 1599),
(399, 1641), (402, 1656), (405, 1668), (414, 1704), (433, 1776), (444, 1812), (449, 1830), (461, 1869),
(472, 1884), (482, 1911), (529, 2079),

Gene: STLscum_12 Start: 7167, Stop: 8855, Start Num: 51

Candidate Starts for STLscum_12:

(Start: 51 @7167 has 557 MA's), (165, 7431), (166, 7455), (207, 7617), (213, 7650), (233, 7725),
(Start: 245 @7815 has 1 MA's), (250, 7839), (258, 7866), (267, 7914), (306, 8070), (307, 8079), (316,
8130), (385, 8364), (389, 8376), (402, 8418), (407, 8439), (414, 8466), (445, 8574), (480, 8664), (503,
8769),

Gene: Sabertooth_11 Start: 6884, Stop: 8581, Start Num: 51

Candidate Starts for Sabertooth_11:

(Start: 51 @6884 has 557 MA's), (Start: 65 @6908 has 1 MA's), (Start: 117 @7031 has 2 MA's), (157,
7121), (165, 7154), (184, 7253), (206, 7337), (207, 7340), (215, 7379), (233, 7448), (236, 7472), (Start:
245 @7538 has 1 MA's), (265, 7628), (306, 7793), (324, 7880), (329, 7913), (354, 7979), (374, 8051),
(375, 8054), (381, 8078), (399, 8129), (402, 8144), (411, 8183), (416, 8204), (445, 8300), (517, 8537),
(535, 8567), (537, 8570),

Gene: Sabia_13 Start: 6950, Stop: 8650, Start Num: 52

Candidate Starts for Sabia_13:

(Start: 52 @6950 has 102 MA's), (71, 6998), (139, 7133), (184, 7325), (207, 7412), (Start: 245 @7610
has 1 MA's), (265, 7700), (284, 7763), (316, 7925), (375, 8123), (381, 8147), (382, 8150), (402, 8213),
(407, 8234), (416, 8273), (445, 8369), (461, 8423), (480, 8459), (517, 8606), (535, 8636), (537, 8639),

Gene: Sabinator_13 Start: 6955, Stop: 8655, Start Num: 52

Candidate Starts for Sabinator_13:

(Start: 52 @6955 has 102 MA's), (71, 7003), (139, 7138), (184, 7330), (207, 7417), (Start: 245 @7615 has 1 MA's), (265, 7705), (284, 7768), (316, 7930), (375, 8128), (381, 8152), (382, 8155), (402, 8218), (407, 8239), (416, 8278), (445, 8374), (461, 8428), (480, 8464), (517, 8611), (535, 8641), (537, 8644),

Gene: Saftant_6 Start: 2534, Stop: 4177, Start Num: 41

Candidate Starts for Saftant_6:

(Start: 39 @2531 has 86 MA's), (Start: 41 @2534 has 2 MA's), (Start: 49 @2549 has 10 MA's), (86, 2606), (152, 2753), (161, 2789), (170, 2837), (196, 2942), (201, 2969), (204, 2978), (208, 2990), (237, 3125), (Start: 245 @3173 has 1 MA's), (268, 3272), (286, 3326), (296, 3386), (313, 3425), (327, 3485), (330, 3503), (345, 3566), (375, 3635), (380, 3656), (399, 3719), (405, 3746), (411, 3773), (416, 3794), (433, 3854), (445, 3893), (454, 3920), (458, 3938), (510, 4115),

Gene: Sagefire_12 Start: 7849, Stop: 9537, Start Num: 51

Candidate Starts for Sagefire_12:

(Start: 51 @7849 has 557 MA's), (165, 8113), (166, 8137), (207, 8299), (213, 8332), (233, 8407), (Start: 245 @8497 has 1 MA's), (250, 8521), (258, 8548), (267, 8596), (306, 8752), (316, 8812), (385, 9046), (389, 9058), (402, 9100), (407, 9121), (414, 9148), (445, 9256), (480, 9346), (503, 9451),

Gene: Saintus_9 Start: 5681, Stop: 7435, Start Num: 31

Candidate Starts for Saintus_9:

(Start: 31 @5681 has 29 MA's), (45, 5723), (Start: 65 @5762 has 1 MA's), (114, 5870), (175, 6077), (227, 6278), (Start: 245 @6386 has 1 MA's), (274, 6515), (310, 6680), (318, 6713), (356, 6833), (375, 6908), (407, 7019), (411, 7037), (416, 7058), (431, 7112), (445, 7154), (506, 7358), (517, 7391), (537, 7424), (539, 7430),

Gene: Salz_12 Start: 8021, Stop: 9784, Start Num: 51

Candidate Starts for Salz_12:

(Start: 51 @8021 has 557 MA's), (Start: 63 @8042 has 4 MA's), (102, 8129), (136, 8258), (146, 8282), (161, 8345), (194, 8489), (206, 8540), (207, 8543), (233, 8654), (236, 8678), (237, 8681), (Start: 245 @8744 has 1 MA's), (247, 8753), (250, 8768), (278, 8885), (286, 8900), (295, 8960), (313, 9044), (354, 9185), (378, 9272), (381, 9284), (399, 9332), (402, 9347), (411, 9386), (416, 9407), (428, 9446), (439, 9491), (445, 9503), (517, 9740), (533, 9767),

Gene: Samy_5 Start: 1792, Stop: 3501, Start Num: 84

Candidate Starts for Samy_5:

(Start: 84 @1792 has 21 MA's), (90, 1807), (109, 1849), (114, 1864), (Start: 118 @1879 has 2 MA's), (137, 1912), (149, 1945), (158, 1981), (184, 2164), (195, 2200), (Start: 245 @2440 has 1 MA's), (260, 2515), (303, 2698), (311, 2707), (333, 2812), (425, 3100), (436, 3148), (452, 3193), (490, 3340), (493, 3355), (503, 3406), (506, 3415),

Gene: Sandaddy_10 Start: 6972, Stop: 8660, Start Num: 51

Candidate Starts for Sandaddy_10:

(Start: 51 @6972 has 557 MA's), (Start: 143 @7152 has 2 MA's), (165, 7236), (170, 7272), (175, 7299), (207, 7422), (233, 7530), (Start: 245 @7620 has 1 MA's), (250, 7644), (258, 7671), (267, 7719), (306, 7875), (316, 7935), (382, 8160), (385, 8169), (389, 8181), (402, 8223), (407, 8244), (414, 8271), (445, 8379), (480, 8469), (503, 8574),

Gene: SarFire_11 Start: 6833, Stop: 8521, Start Num: 51

Candidate Starts for SarFire_11:

(Start: 51 @6833 has 557 MA's), (Start: 143 @7013 has 2 MA's), (165, 7097), (170, 7133), (175, 7160), (207, 7283), (213, 7316), (233, 7391), (Start: 245 @7481 has 1 MA's), (250, 7505), (258, 7532),

(267, 7580), (306, 7736), (307, 7745), (316, 7796), (385, 8030), (389, 8042), (402, 8084), (407, 8105), (414, 8132), (445, 8240), (480, 8330), (503, 8435),

Gene: SarahRose_6 Start: 2376, Stop: 4022, Start Num: 39

Candidate Starts for SarahRose_6:

(Start: 39 @2376 has 86 MA's), (Start: 49 @2394 has 10 MA's), (Start: 117 @2526 has 2 MA's), (152, 2598), (161, 2634), (201, 2814), (208, 2835), (219, 2880), (231, 2922), (240, 2994), (Start: 245 @3018 has 1 MA's), (268, 3117), (271, 3132), (278, 3156), (281, 3162), (327, 3330), (375, 3480), (380, 3501), (399, 3564), (405, 3591), (433, 3699), (445, 3738), (452, 3759), (454, 3765), (458, 3783), (492, 3879), (506, 3939), (539, 4017),

Gene: SaturnRing_11 Start: 6496, Stop: 8193, Start Num: 51

Candidate Starts for SaturnRing_11:

(Start: 51 @6496 has 557 MA's), (Start: 65 @6520 has 1 MA's), (86, 6568), (165, 6766), (175, 6829), (203, 6940), (207, 6952), (215, 6991), (220, 7003), (233, 7060), (236, 7084), (Start: 245 @7150 has 1 MA's), (247, 7159), (265, 7240), (271, 7267), (306, 7405), (324, 7492), (329, 7525), (354, 7591), (375, 7666), (381, 7690), (382, 7693), (384, 7699), (387, 7708), (399, 7741), (402, 7756), (416, 7816), (445, 7912), (458, 7957), (461, 7966), (507, 8119), (517, 8149), (535, 8179), (537, 8182),

Gene: Scamp_11 Start: 6884, Stop: 8581, Start Num: 51

Candidate Starts for Scamp_11:

(Start: 51 @6884 has 557 MA's), (Start: 65 @6908 has 1 MA's), (Start: 117 @7031 has 2 MA's), (157, 7121), (165, 7154), (184, 7253), (206, 7337), (207, 7340), (215, 7379), (233, 7448), (236, 7472), (Start: 245 @7538 has 1 MA's), (265, 7628), (306, 7793), (324, 7880), (329, 7913), (354, 7979), (374, 8051), (375, 8054), (381, 8078), (399, 8129), (402, 8144), (411, 8183), (416, 8204), (445, 8300), (517, 8537), (535, 8567), (537, 8570),

Gene: Scherzo_13 Start: 8163, Stop: 9929, Start Num: 63

Candidate Starts for Scherzo_13:

(Start: 51 @8142 has 557 MA's), (Start: 60 @8157 has 10 MA's), (Start: 63 @8163 has 4 MA's), (114, 8274), (136, 8373), (175, 8535), (194, 8607), (207, 8661), (215, 8700), (233, 8772), (Start: 245 @8862 has 1 MA's), (250, 8886), (278, 9003), (286, 9018), (307, 9126), (323, 9201), (329, 9237), (343, 9297), (378, 9417), (384, 9438), (399, 9477), (411, 9531), (412, 9534), (416, 9552), (431, 9606), (439, 9636), (445, 9648), (480, 9738), (486, 9756), (517, 9885), (533, 9912), (535, 9915),

Gene: Scorpia_10 Start: 5985, Stop: 7736, Start Num: 31

Candidate Starts for Scorpia_10:

(Start: 28 @5958 has 19 MA's), (Start: 31 @5985 has 29 MA's), (Start: 53 @6045 has 36 MA's), (58, 6054), (Start: 72 @6093 has 1 MA's), (114, 6174), (161, 6306), (175, 6381), (176, 6384), (221, 6558), (Start: 245 @6690 has 1 MA's), (256, 6735), (271, 6813), (274, 6819), (310, 6984), (318, 7017), (324, 7038), (375, 7212), (381, 7236), (411, 7338), (416, 7359), (431, 7413), (439, 7443), (445, 7455), (461, 7509), (516, 7689), (517, 7692), (537, 7725), (539, 7731),

Gene: Scout_11 Start: 5791, Stop: 7488, Start Num: 51

Candidate Starts for Scout_11:

(Start: 51 @5791 has 557 MA's), (86, 5863), (165, 6061), (203, 6235), (207, 6247), (215, 6286), (220, 6298), (233, 6355), (236, 6379), (Start: 245 @6445 has 1 MA's), (247, 6454), (265, 6535), (306, 6700), (318, 6766), (324, 6787), (328, 6811), (329, 6820), (354, 6886), (375, 6961), (381, 6985), (382, 6988), (384, 6994), (387, 7003), (402, 7051), (411, 7090), (416, 7111), (445, 7207), (458, 7252), (461, 7261), (507, 7414), (517, 7444), (535, 7474), (537, 7477),

Gene: Scowl_12 Start: 7525, Stop: 9213, Start Num: 51

Candidate Starts for Scowl_12:

(Start: 51 @7525 has 557 MA's), (165, 7789), (166, 7813), (207, 7975), (213, 8008), (233, 8083), (Start: 245 @8173 has 1 MA's), (250, 8197), (258, 8224), (267, 8272), (287, 8341), (306, 8428), (316, 8488), (382, 8713), (385, 8722), (389, 8734), (402, 8776), (407, 8797), (414, 8824), (445, 8932), (480, 9022), (503, 9127),

Gene: Seabiscuit_13 Start: 7054, Stop: 8742, Start Num: 51

Candidate Starts for Seabiscuit_13:

(Start: 51 @7054 has 557 MA's), (165, 7318), (166, 7342), (199, 7477), (207, 7504), (213, 7537), (233, 7612), (Start: 245 @7702 has 1 MA's), (250, 7726), (258, 7753), (267, 7801), (287, 7870), (306, 7957), (307, 7966), (316, 8017), (385, 8251), (389, 8263), (402, 8305), (407, 8326), (414, 8353), (445, 8461), (480, 8551), (503, 8656),

Gene: Seanderson_12 Start: 7498, Stop: 9186, Start Num: 51

Candidate Starts for Seanderson_12:

(Start: 51 @7498 has 557 MA's), (Start: 143 @7678 has 2 MA's), (165, 7762), (170, 7798), (175, 7825), (207, 7948), (233, 8056), (Start: 245 @8146 has 1 MA's), (250, 8170), (258, 8197), (267, 8245), (287, 8314), (302, 8389), (306, 8401), (316, 8461), (382, 8686), (385, 8695), (389, 8707), (402, 8749), (407, 8770), (414, 8797), (445, 8905), (480, 8995), (503, 9100),

Gene: SemperFi_14 Start: 7814, Stop: 9601, Start Num: 51

Candidate Starts for SemperFi_14:

(Start: 51 @7814 has 557 MA's), (102, 7922), (111, 7943), (136, 8051), (175, 8213), (206, 8333), (207, 8336), (233, 8444), (Start: 245 @8534 has 1 MA's), (250, 8558), (278, 8675), (286, 8690), (350, 8990), (405, 9176), (411, 9203), (416, 9224), (445, 9320), (517, 9557), (533, 9584), (535, 9587),

Gene: Serenity_11 Start: 6379, Stop: 8160, Start Num: 51

Candidate Starts for Serenity_11:

(Start: 51 @6379 has 557 MA's), (Start: 117 @6523 has 2 MA's), (128, 6568), (136, 6610), (146, 6634), (161, 6697), (171, 6751), (206, 6892), (207, 6895), (215, 6934), (233, 7003), (Start: 245 @7093 has 1 MA's), (250, 7117), (284, 7246), (286, 7249), (341, 7522), (411, 7762), (416, 7783), (439, 7867), (445, 7879), (517, 8116), (533, 8143), (535, 8146), (537, 8149),

Gene: Severus_10 Start: 4781, Stop: 6472, Start Num: 51

Candidate Starts for Severus_10:

(Start: 51 @4781 has 557 MA's), (Start: 65 @4805 has 1 MA's), (Start: 117 @4928 has 2 MA's), (149, 4997), (161, 5048), (165, 5060), (171, 5102), (175, 5123), (196, 5201), (207, 5246), (215, 5285), (231, 5333), (233, 5354), (236, 5378), (Start: 245 @5429 has 1 MA's), (274, 5552), (309, 5699), (320, 5759), (329, 5804), (374, 5942), (375, 5945), (393, 5999), (402, 6035), (411, 6074), (416, 6095), (445, 6191), (467, 6260), (517, 6428), (535, 6458), (537, 6461),

Gene: Shaka_11 Start: 6884, Stop: 8581, Start Num: 51

Candidate Starts for Shaka_11:

(Start: 51 @6884 has 557 MA's), (Start: 65 @6908 has 1 MA's), (Start: 117 @7031 has 2 MA's), (157, 7121), (165, 7154), (184, 7253), (206, 7337), (207, 7340), (215, 7379), (233, 7448), (236, 7472), (Start: 245 @7538 has 1 MA's), (265, 7628), (306, 7793), (324, 7880), (329, 7913), (354, 7979), (374, 8051), (375, 8054), (381, 8078), (399, 8129), (402, 8144), (411, 8183), (416, 8204), (445, 8300), (517, 8537), (535, 8567), (537, 8570),

Gene: ShakeltOph_2 Start: 550, Stop: 2277, Start Num: 39

Candidate Starts for ShakeltOph_2:

(27, 490), (Start: 39 @550 has 86 MA's), (Start: 110 @661 has 1 MA's), (186, 925), (189, 934), (201, 985), (207, 1003), (218, 1051), (238, 1144), (382, 1720), (425, 1873), (445, 1948), (449, 1963), (485, 2092), (508, 2200), (535, 2263),

Gene: Sham4_12 Start: 8027, Stop: 9790, Start Num: 51

Candidate Starts for Sham4_12:

(Start: 51 @8027 has 557 MA's), (Start: 63 @8048 has 4 MA's), (102, 8135), (136, 8264), (146, 8288), (161, 8351), (194, 8495), (206, 8546), (207, 8549), (233, 8660), (236, 8684), (237, 8687), (Start: 245 @8750 has 1 MA's), (247, 8759), (250, 8774), (278, 8891), (286, 8906), (295, 8966), (313, 9050), (378, 9278), (381, 9290), (399, 9338), (402, 9353), (411, 9392), (416, 9413), (428, 9452), (439, 9497), (445, 9509), (517, 9746), (533, 9773),

Gene: ShayRa_15 Start: 6808, Stop: 8505, Start Num: 51

Candidate Starts for ShayRa_15:

(Start: 51 @6808 has 557 MA's), (62, 6826), (139, 6988), (194, 7213), (207, 7267), (233, 7375), (237, 7402), (Start: 245 @7465 has 1 MA's), (250, 7489), (381, 8005), (402, 8068), (412, 8110), (445, 8224), (485, 8329), (517, 8461), (533, 8488), (535, 8491), (537, 8494),

Gene: SheaKeira_12 Start: 6325, Stop: 8097, Start Num: 60

Candidate Starts for SheaKeira_12:

(Start: 51 @6310 has 557 MA's), (Start: 60 @6325 has 10 MA's), (Start: 63 @6331 has 4 MA's), (114, 6442), (136, 6541), (175, 6703), (194, 6775), (207, 6829), (215, 6868), (233, 6940), (242, 7012), (Start: 245 @7030 has 1 MA's), (250, 7054), (278, 7171), (286, 7186), (307, 7294), (323, 7369), (343, 7465), (358, 7501), (384, 7606), (399, 7645), (405, 7672), (411, 7699), (412, 7702), (416, 7720), (431, 7774), (439, 7804), (445, 7816), (480, 7906), (486, 7924), (517, 8053), (533, 8080), (535, 8083),

Gene: SheckWes_3 Start: 948, Stop: 2573, Start Num: 110

Candidate Starts for SheckWes_3:

(Start: 87 @897 has 64 MA's), (Start: 110 @948 has 1 MA's), (116, 969), (140, 1014), (189, 1221), (196, 1254), (204, 1290), (207, 1299), (208, 1302), (213, 1335), (217, 1350), (238, 1449), (240, 1470), (248, 1506), (252, 1527), (261, 1563), (276, 1629), (289, 1683), (328, 1863), (333, 1896), (367, 1962), (376, 2028), (378, 2034), (425, 2199), (431, 2232), (454, 2301), (485, 2379), (486, 2382), (505, 2472), (507, 2478), (512, 2499), (535, 2559), (537, 2562),

Gene: Sheen_13 Start: 8359, Stop: 10059, Start Num: 51

Candidate Starts for Sheen_13:

(Start: 51 @8359 has 557 MA's), (79, 8422), (149, 8566), (157, 8596), (165, 8629), (175, 8692), (207, 8815), (209, 8830), (233, 8923), (236, 8947), (Start: 245 @9013 has 1 MA's), (286, 9169), (306, 9268), (324, 9355), (329, 9388), (348, 9442), (356, 9457), (374, 9526), (375, 9529), (381, 9553), (405, 9631), (445, 9775), (458, 9820), (486, 9883), (507, 9982), (517, 10012), (535, 10045),

Gene: SheldonCooper_11 Start: 6862, Stop: 8559, Start Num: 51

Candidate Starts for SheldonCooper_11:

(Start: 51 @6862 has 557 MA's), (Start: 65 @6886 has 1 MA's), (Start: 117 @7009 has 2 MA's), (157, 7099), (165, 7132), (206, 7315), (207, 7318), (215, 7357), (233, 7426), (236, 7450), (Start: 245 @7516 has 1 MA's), (265, 7606), (306, 7771), (324, 7858), (329, 7891), (354, 7957), (374, 8029), (375, 8032), (381, 8056), (399, 8107), (402, 8122), (411, 8161), (416, 8182), (445, 8278), (517, 8515), (535, 8545), (537, 8548),

Gene: ShortQueendom_10 Start: 6640, Stop: 8328, Start Num: 51

Candidate Starts for ShortQueendom_10:

(Start: 51 @6640 has 557 MA's), (Start: 143 @6820 has 2 MA's), (165, 6904), (170, 6940), (207, 7090), (233, 7198), (Start: 245 @7288 has 1 MA's), (250, 7312), (267, 7387), (287, 7456), (306, 7543), (316, 7603), (385, 7837), (389, 7849), (402, 7891), (407, 7912), (414, 7939), (445, 8047), (480, 8137), (503, 8242),

Gene: Shuman_8 Start: 3156, Stop: 4838, Start Num: 53

Candidate Starts for Shuman_8:

(Start: 53 @3156 has 36 MA's), (Start: 143 @3342 has 2 MA's), (161, 3414), (165, 3426), (166, 3450), (170, 3462), (207, 3615), (209, 3630), (227, 3690), (Start: 245 @3798 has 1 MA's), (258, 3855), (304, 4053), (308, 4071), (318, 4125), (368, 4269), (375, 4311), (384, 4344), (405, 4413), (445, 4557), (458, 4602), (485, 4662), (506, 4761), (517, 4794), (533, 4821), (535, 4824), (537, 4827),

Gene: Shygu2_11 Start: 6887, Stop: 8584, Start Num: 51

Candidate Starts for Shygu2_11:

(Start: 51 @6887 has 557 MA's), (Start: 65 @6911 has 1 MA's), (165, 7157), (206, 7340), (207, 7343), (215, 7382), (233, 7451), (236, 7475), (Start: 245 @7541 has 1 MA's), (265, 7631), (306, 7796), (324, 7883), (329, 7916), (366, 8009), (375, 8057), (381, 8081), (402, 8147), (411, 8186), (416, 8207), (445, 8303), (516, 8537), (517, 8540), (535, 8570), (537, 8573),

Gene: Sibs6_13 Start: 7273, Stop: 8961, Start Num: 54

Candidate Starts for Sibs6_13:

(Start: 54 @7273 has 35 MA's), (139, 7444), (Start: 143 @7453 has 2 MA's), (165, 7537), (167, 7564), (170, 7573), (207, 7723), (213, 7756), (233, 7831), (Start: 245 @7921 has 1 MA's), (250, 7945), (258, 7972), (267, 8020), (306, 8176), (316, 8236), (382, 8461), (385, 8470), (389, 8482), (402, 8524), (407, 8545), (414, 8572), (445, 8680), (480, 8770), (503, 8875),

Gene: Simpson_2 Start: 533, Stop: 2239, Start Num: 55

Candidate Starts for Simpson_2:

(Start: 55 @533 has 34 MA's), (193, 905), (207, 962), (218, 1010), (238, 1100), (247, 1154), (274, 1274), (293, 1364), (337, 1526), (375, 1649), (445, 1904), (449, 1919), (467, 1973), (485, 2054), (502, 2138), (508, 2162),

Gene: SketchMex_3 Start: 1110, Stop: 2789, Start Num: 87

Candidate Starts for SketchMex_3:

(Start: 87 @1110 has 64 MA's), (Start: 110 @1161 has 1 MA's), (116, 1182), (138, 1221), (161, 1308), (Start: 169 @1353 has 2 MA's), (174, 1374), (175, 1383), (192, 1455), (204, 1506), (207, 1515), (217, 1566), (238, 1665), (240, 1686), (247, 1719), (257, 1755), (289, 1899), (299, 1935), (308, 1974), (312, 2007), (324, 2055), (333, 2112), (350, 2145), (367, 2178), (376, 2244), (378, 2250), (397, 2316), (401, 2328), (425, 2415), (452, 2511), (472, 2559), (494, 2634), (512, 2715), (535, 2775), (537, 2778),

Gene: SkiPole_13 Start: 7147, Stop: 8835, Start Num: 51

Candidate Starts for SkiPole_13:

(Start: 51 @7147 has 557 MA's), (165, 7411), (166, 7435), (207, 7597), (213, 7630), (233, 7705), (Start: 245 @7795 has 1 MA's), (250, 7819), (267, 7894), (306, 8050), (307, 8059), (315, 8107), (316, 8110), (385, 8344), (389, 8356), (402, 8398), (407, 8419), (414, 8446), (445, 8554), (480, 8644), (503, 8749),

Gene: Skipitt_11 Start: 7031, Stop: 8581, Start Num: 117

Candidate Starts for Skipitt_11:

(Start: 51 @6884 has 557 MA's), (Start: 65 @6908 has 1 MA's), (Start: 117 @7031 has 2 MA's), (157, 7121), (165, 7154), (184, 7253), (206, 7337), (207, 7340), (215, 7379), (233, 7448), (236, 7472), (Start: 245 @7538 has 1 MA's), (265, 7628), (306, 7793), (324, 7880), (329, 7913), (354, 7979), (375, 8054), (381, 8078), (399, 8129), (402, 8144), (411, 8183), (416, 8204), (445, 8300), (517, 8537), (535, 8567), (537, 8570),

Gene: Slagathor_12 Start: 6925, Stop: 8613, Start Num: 51

Candidate Starts for Slagathor_12:

(Start: 51 @6925 has 557 MA's), (165, 7189), (166, 7213), (207, 7375), (213, 7408), (233, 7483), (Start: 245 @7573 has 1 MA's), (250, 7597), (258, 7624), (267, 7672), (302, 7816), (306, 7828), (316, 7888), (385, 8122), (389, 8134), (402, 8176), (407, 8197), (414, 8224), (445, 8332), (480, 8422), (503, 8527),

Gene: Smairt_12 Start: 7444, Stop: 9132, Start Num: 51

Candidate Starts for Smairt_12:

(Start: 51 @7444 has 557 MA's), (Start: 143 @7624 has 2 MA's), (165, 7708), (170, 7744), (175, 7771), (207, 7894), (233, 8002), (Start: 245 @8092 has 1 MA's), (250, 8116), (267, 8191), (306, 8347), (316, 8407), (382, 8632), (385, 8641), (389, 8653), (402, 8695), (407, 8716), (414, 8743), (445, 8851), (480, 8941), (503, 9046),

Gene: Smeadley_9 Start: 5701, Stop: 7455, Start Num: 31

Candidate Starts for Smeadley_9:

(Start: 31 @5701 has 29 MA's), (45, 5743), (Start: 65 @5782 has 1 MA's), (114, 5890), (175, 6097), (227, 6298), (Start: 245 @6406 has 1 MA's), (274, 6535), (310, 6700), (318, 6733), (356, 6853), (375, 6928), (407, 7039), (411, 7057), (416, 7078), (431, 7132), (445, 7174), (467, 7243), (485, 7279), (506, 7378), (517, 7411), (537, 7444), (539, 7450),

Gene: Smeagan_14 Start: 7883, Stop: 9670, Start Num: 51

Candidate Starts for Smeagan_14:

(Start: 51 @7883 has 557 MA's), (102, 7991), (111, 8012), (128, 8078), (129, 8084), (136, 8120), (161, 8207), (206, 8402), (207, 8405), (233, 8513), (Start: 245 @8603 has 1 MA's), (250, 8627), (267, 8702), (278, 8744), (286, 8759), (350, 9059), (405, 9245), (411, 9272), (416, 9293), (445, 9389), (517, 9626), (535, 9656),

Gene: Smeagol_12 Start: 7865, Stop: 9553, Start Num: 51

Candidate Starts for Smeagol_12:

(Start: 51 @7865 has 557 MA's), (Start: 143 @8045 has 2 MA's), (165, 8129), (170, 8165), (175, 8192), (207, 8315), (233, 8423), (Start: 245 @8513 has 1 MA's), (250, 8537), (258, 8564), (267, 8612), (306, 8768), (316, 8828), (382, 9053), (385, 9062), (389, 9074), (402, 9116), (407, 9137), (414, 9164), (445, 9272), (480, 9362), (503, 9467),

Gene: SmellyB_15 Start: 7533, Stop: 9287, Start Num: 51

Candidate Starts for SmellyB_15:

(Start: 51 @7533 has 557 MA's), (136, 7764), (152, 7815), (161, 7851), (175, 7926), (207, 8049), (215, 8088), (233, 8157), (236, 8181), (237, 8184), (Start: 245 @8247 has 1 MA's), (250, 8271), (274, 8370), (275, 8373), (284, 8400), (286, 8403), (354, 8688), (378, 8775), (381, 8787), (402, 8850), (411, 8889), (416, 8910), (439, 8994), (445, 9006), (517, 9243), (533, 9270), (535, 9273),

Gene: Smoothie_31 Start: 8683, Stop: 10431, Start Num: 84

Candidate Starts for Smoothie_31:

(Start: 84 @8683 has 21 MA's), (99, 8713), (150, 8842), (180, 9028), (187, 9067), (195, 9091), (200, 9121), (206, 9139), (211, 9166), (218, 9196), (257, 9388), (260, 9406), (297, 9568), (314, 9616), (319, 9631), (365, 9814), (367, 9820), (381, 9904), (404, 9991), (412, 10024), (445, 10138), (456, 10174), (466, 10198), (470, 10213), (520, 10387), (526, 10393),

Gene: SnapTap_12 Start: 7386, Stop: 9173, Start Num: 51

Candidate Starts for SnapTap_12:

(Start: 51 @7386 has 557 MA's), (102, 7494), (111, 7515), (136, 7623), (175, 7785), (206, 7905), (207, 7908), (233, 8016), (Start: 245 @8106 has 1 MA's), (250, 8130), (278, 8247), (286, 8262), (350, 8562), (405, 8748), (411, 8775), (416, 8796), (445, 8892), (517, 9129), (533, 9156), (535, 9159),

Gene: Snape_12 Start: 8027, Stop: 9790, Start Num: 51

Candidate Starts for Snape_12:

(Start: 51 @8027 has 557 MA's), (Start: 63 @8048 has 4 MA's), (102, 8135), (136, 8264), (146, 8288), (161, 8351), (194, 8495), (206, 8546), (207, 8549), (233, 8660), (236, 8684), (237, 8687), (Start: 245 @8750 has 1 MA's), (247, 8759), (250, 8774), (278, 8891), (286, 8906), (295, 8966), (313, 9050), (354, 9191), (378, 9278), (381, 9290), (399, 9338), (402, 9353), (411, 9392), (416, 9413), (428, 9452), (439, 9497), (445, 9509), (517, 9746), (533, 9773),

Gene: Snazzy_9 Start: 6454, Stop: 8142, Start Num: 51

Candidate Starts for Snazzy_9:

(Start: 51 @6454 has 557 MA's), (165, 6718), (166, 6742), (207, 6904), (213, 6937), (233, 7012), (Start: 245 @7102 has 1 MA's), (250, 7126), (267, 7201), (306, 7357), (307, 7366), (315, 7414), (316, 7417), (382, 7642), (385, 7651), (389, 7663), (402, 7705), (407, 7726), (414, 7753), (445, 7861), (480, 7951), (503, 8056),

Gene: Snek_3 Start: 1419, Stop: 3110, Start Num: 55

Candidate Starts for Snek_3:

(Start: 55 @1419 has 34 MA's), (83, 1449), (101, 1485), (148, 1596), (189, 1779), (193, 1791), (207, 1848), (229, 1932), (238, 1989), (366, 2478), (433, 2745), (445, 2781), (449, 2796), (485, 2925), (489, 2946), (508, 3033),

Gene: Snickers_13 Start: 6931, Stop: 8631, Start Num: 52

Candidate Starts for Snickers_13:

(Start: 52 @6931 has 102 MA's), (71, 6979), (139, 7114), (184, 7306), (207, 7393), (Start: 245 @7591 has 1 MA's), (265, 7681), (284, 7744), (316, 7906), (375, 8104), (381, 8128), (382, 8131), (402, 8194), (407, 8215), (416, 8254), (445, 8350), (461, 8404), (480, 8440), (517, 8587), (535, 8617), (537, 8620),

Gene: Snorlax_6 Start: 2376, Stop: 4022, Start Num: 39

Candidate Starts for Snorlax_6:

(Start: 39 @2376 has 86 MA's), (Start: 49 @2394 has 10 MA's), (Start: 117 @2526 has 2 MA's), (152, 2598), (161, 2634), (201, 2814), (208, 2835), (219, 2880), (231, 2922), (240, 2994), (Start: 245 @3018 has 1 MA's), (268, 3117), (271, 3132), (278, 3156), (281, 3162), (327, 3330), (375, 3480), (380, 3501), (399, 3564), (405, 3591), (433, 3699), (445, 3738), (452, 3759), (454, 3765), (458, 3783), (492, 3879), (506, 3939), (539, 4017),

Gene: SoYo_13 Start: 6868, Stop: 8568, Start Num: 52

Candidate Starts for SoYo_13:

(Start: 52 @6868 has 102 MA's), (71, 6916), (139, 7051), (184, 7243), (207, 7330), (Start: 245 @7528 has 1 MA's), (265, 7618), (284, 7681), (316, 7843), (375, 8041), (381, 8065), (382, 8068), (402, 8131), (407, 8152), (416, 8191), (445, 8287), (461, 8341), (480, 8377), (517, 8524), (535, 8554), (537, 8557),

Gene: SoilDragon_13 Start: 6642, Stop: 8342, Start Num: 52

Candidate Starts for SoilDragon_13:

(Start: 52 @6642 has 102 MA's), (71, 6690), (139, 6825), (184, 7017), (207, 7104), (Start: 245 @7302 has 1 MA's), (265, 7392), (284, 7455), (316, 7617), (375, 7815), (381, 7839), (382, 7842), (402, 7905), (407, 7926), (416, 7965), (445, 8061), (461, 8115), (480, 8151), (517, 8298), (535, 8328), (537, 8331),

Gene: Solon_11 Start: 7606, Stop: 9294, Start Num: 51

Candidate Starts for Solon_11:

(Start: 51 @7606 has 557 MA's), (165, 7870), (166, 7894), (207, 8056), (213, 8089), (233, 8164), (Start: 245 @8254 has 1 MA's), (250, 8278), (258, 8305), (267, 8353), (306, 8509), (316, 8569), (385, 8803), (389, 8815), (402, 8857), (407, 8878), (414, 8905), (445, 9013), (480, 9103), (503, 9208),

Gene: Soondubu_2 Start: 568, Stop: 2274, Start Num: 55

Candidate Starts for Soondubu_2:

(Start: 55 @568 has 34 MA's), (161, 793), (189, 922), (207, 991), (213, 1027), (218, 1039), (238, 1132), (247, 1186), (293, 1396), (445, 1942), (449, 1957), (502, 2173), (508, 2197), (513, 2212), (535, 2260),

Gene: Sopespian_4 Start: 1113, Stop: 2792, Start Num: 87

Candidate Starts for Sopespian_4:

(Start: 87 @1113 has 64 MA's), (Start: 110 @1164 has 1 MA's), (116, 1185), (Start: 117 @1188 has 2 MA's), (138, 1224), (140, 1230), (161, 1311), (174, 1377), (175, 1386), (192, 1458), (196, 1473), (204, 1509), (207, 1518), (217, 1569), (238, 1668), (247, 1722), (257, 1758), (289, 1902), (299, 1938), (308, 1977), (312, 2010), (324, 2058), (329, 2091), (333, 2115), (350, 2148), (367, 2181), (374, 2238), (376, 2247), (401, 2331), (425, 2418), (452, 2514), (481, 2586), (485, 2598), (512, 2718), (535, 2778), (537, 2781),

Gene: SororFago_11 Start: 6539, Stop: 8296, Start Num: 51

Candidate Starts for SororFago_11:

(Start: 51 @6539 has 557 MA's), (105, 6647), (114, 6671), (127, 6725), (130, 6737), (131, 6746), (133, 6755), (136, 6770), (152, 6821), (175, 6932), (206, 7052), (207, 7055), (233, 7166), (236, 7190), (Start: 245 @7256 has 1 MA's), (250, 7280), (265, 7346), (286, 7412), (307, 7520), (323, 7595), (375, 7772), (378, 7784), (381, 7796), (382, 7799), (384, 7805), (402, 7859), (411, 7898), (445, 8015), (467, 8084), (517, 8252), (533, 8279),

Gene: Sorpresa_10 Start: 6972, Stop: 8660, Start Num: 51

Candidate Starts for Sorpresa_10:

(Start: 51 @6972 has 557 MA's), (Start: 143 @7152 has 2 MA's), (165, 7236), (170, 7272), (175, 7299), (207, 7422), (233, 7530), (Start: 245 @7620 has 1 MA's), (250, 7644), (258, 7671), (267, 7719), (306, 7875), (316, 7935), (382, 8160), (385, 8169), (389, 8181), (402, 8223), (407, 8244), (414, 8271), (445, 8379), (480, 8469), (503, 8574),

Gene: Soshari_15 Start: 7040, Stop: 8740, Start Num: 52

Candidate Starts for Soshari_15:

(Start: 52 @7040 has 102 MA's), (71, 7088), (139, 7223), (184, 7415), (207, 7502), (Start: 245 @7700 has 1 MA's), (265, 7790), (284, 7853), (316, 8015), (375, 8213), (381, 8237), (382, 8240), (402, 8303), (407, 8324), (416, 8363), (445, 8459), (461, 8513), (480, 8549), (517, 8696), (535, 8726), (537, 8729),

Gene: Soups_14 Start: 6808, Stop: 8505, Start Num: 51

Candidate Starts for Soups_14:

(Start: 51 @6808 has 557 MA's), (62, 6826), (139, 6988), (175, 7144), (194, 7213), (207, 7267), (233, 7375), (237, 7402), (Start: 245 @7465 has 1 MA's), (250, 7489), (381, 8005), (402, 8068), (412, 8110), (445, 8224), (485, 8329), (517, 8461), (533, 8488), (535, 8491), (537, 8494),

Gene: South40_7 Start: 2648, Stop: 4294, Start Num: 39

Candidate Starts for South40_7:

(Start: 39 @2648 has 86 MA's), (Start: 49 @2666 has 10 MA's), (152, 2870), (Start: 169 @2951 has 2 MA's), (201, 3086), (208, 3107), (219, 3152), (231, 3194), (240, 3266), (Start: 245 @3290 has 1 MA's), (268, 3389), (286, 3443), (295, 3500), (327, 3602), (338, 3662), (353, 3689), (380, 3773), (384, 3785), (405, 3863), (413, 3896), (433, 3971), (445, 4010), (452, 4031), (454, 4037), (458, 4055), (492, 4151), (506, 4211),

Gene: Sparky_2 Start: 507, Stop: 2288, Start Num: 51

Candidate Starts for Sparky_2:

(Start: 51 @507 has 557 MA's), (104, 612), (166, 831), (170, 843), (175, 870), (192, 936), (194, 942), (195, 945), (200, 975), (207, 996), (222, 1053), (239, 1155), (247, 1191), (257, 1239), (269, 1299), (290, 1389), (298, 1419), (318, 1473), (333, 1551), (375, 1659), (380, 1680), (384, 1692), (389, 1710), (411, 1809), (420, 1863), (424, 1878), (433, 1920), (445, 1968), (454, 1992), (464, 2028), (481, 2097), (484, 2103), (485, 2109), (498, 2160), (503, 2196), (505, 2202), (508, 2217), (516, 2235), (524, 2250),

Gene: Sparxx_11 Start: 6884, Stop: 8581, Start Num: 51

Candidate Starts for Sparxx_11:

(Start: 51 @6884 has 557 MA's), (Start: 65 @6908 has 1 MA's), (Start: 117 @7031 has 2 MA's), (157, 7121), (165, 7154), (184, 7253), (206, 7337), (207, 7340), (215, 7379), (233, 7448), (236, 7472), (Start: 245 @7538 has 1 MA's), (265, 7628), (306, 7793), (324, 7880), (329, 7913), (354, 7979), (374, 8051), (375, 8054), (381, 8078), (399, 8129), (402, 8144), (411, 8183), (416, 8204), (445, 8300), (517, 8537), (535, 8567), (537, 8570),

Gene: SpeedDemon_130 Start: 6395, Stop: 8131, Start Num: 84

Candidate Starts for SpeedDemon_130:

(Start: 84 @6395 has 21 MA's), (114, 6467), (141, 6524), (171, 6656), (184, 6767), (195, 6803), (216, 6899), (Start: 245 @7043 has 1 MA's), (251, 7070), (260, 7118), (267, 7151), (315, 7325), (326, 7370), (445, 7841), (485, 7949), (506, 8045),

Gene: Spike509_13 Start: 7041, Stop: 8741, Start Num: 52

Candidate Starts for Spike509_13:

(Start: 52 @7041 has 102 MA's), (71, 7089), (139, 7224), (184, 7416), (207, 7503), (Start: 245 @7701 has 1 MA's), (265, 7791), (284, 7854), (316, 8016), (375, 8214), (381, 8238), (382, 8241), (402, 8304), (407, 8325), (416, 8364), (445, 8460), (461, 8514), (480, 8550), (517, 8697), (535, 8727), (537, 8730),

Gene: SpikeBT_13 Start: 7909, Stop: 9597, Start Num: 54

Candidate Starts for SpikeBT_13:

(Start: 54 @7909 has 35 MA's), (Start: 143 @8089 has 2 MA's), (165, 8173), (167, 8200), (170, 8209), (207, 8359), (213, 8392), (233, 8467), (Start: 245 @8557 has 1 MA's), (250, 8581), (258, 8608), (267, 8656), (287, 8725), (306, 8812), (316, 8872), (382, 9097), (385, 9106), (389, 9118), (402, 9160), (407, 9181), (414, 9208), (445, 9316), (480, 9406), (503, 9511),

Gene: Spino_11 Start: 6884, Stop: 8581, Start Num: 51

Candidate Starts for Spino_11:

(Start: 51 @6884 has 557 MA's), (Start: 65 @6908 has 1 MA's), (Start: 117 @7031 has 2 MA's), (157, 7121), (165, 7154), (184, 7253), (206, 7337), (207, 7340), (215, 7379), (233, 7448), (236, 7472), (Start: 245 @7538 has 1 MA's), (265, 7628), (306, 7793), (324, 7880), (329, 7913), (354, 7979), (374, 8051), (375, 8054), (381, 8078), (399, 8129), (402, 8144), (411, 8183), (416, 8204), (445, 8300), (517, 8537), (535, 8567), (537, 8570),

Gene: Spouty_12 Start: 8160, Stop: 9926, Start Num: 63

Candidate Starts for Spouty_12:

(Start: 51 @8139 has 557 MA's), (Start: 60 @8154 has 10 MA's), (Start: 63 @8160 has 4 MA's), (114, 8271), (136, 8370), (175, 8532), (194, 8604), (207, 8658), (215, 8697), (233, 8769), (Start: 245 @8859 has 1 MA's), (250, 8883), (278, 9000), (286, 9015), (307, 9123), (323, 9198), (329, 9234), (343, 9294), (378, 9414), (384, 9435), (399, 9474), (411, 9528), (412, 9531), (416, 9549), (431, 9603), (439, 9633), (445, 9645), (480, 9735), (486, 9753), (517, 9882), (533, 9909), (535, 9912),

Gene: SqueakyClean_7 Start: 2449, Stop: 4095, Start Num: 39

Candidate Starts for SqueakyClean_7:

(Start: 39 @2449 has 86 MA's), (159, 2692), (161, 2707), (165, 2719), (173, 2770), (192, 2845), (201, 2887), (203, 2893), (208, 2908), (231, 2995), (240, 3067), (Start: 245 @3091 has 1 MA's), (268, 3190),

(276, 3226), (286, 3244), (319, 3367), (327, 3403), (378, 3565), (380, 3574), (399, 3637), (411, 3691), (433, 3772), (445, 3811), (452, 3832), (458, 3856), (505, 4009), (506, 4012),

Gene: Squee_12 Start: 7450, Stop: 9138, Start Num: 51

Candidate Starts for Squee_12:

(Start: 51 @7450 has 557 MA's), (Start: 143 @7630 has 2 MA's), (165, 7714), (170, 7750), (175, 7777), (199, 7873), (207, 7900), (213, 7933), (233, 8008), (Start: 245 @8098 has 1 MA's), (250, 8122), (267, 8197), (306, 8353), (307, 8362), (316, 8413), (385, 8647), (389, 8659), (402, 8701), (407, 8722), (414, 8749), (445, 8857), (480, 8947), (503, 9052),

Gene: StCroix_8 Start: 3156, Stop: 4838, Start Num: 53

Candidate Starts for StCroix_8:

(Start: 53 @3156 has 36 MA's), (Start: 143 @3342 has 2 MA's), (161, 3414), (165, 3426), (166, 3450), (170, 3462), (207, 3615), (209, 3630), (227, 3690), (Start: 245 @3798 has 1 MA's), (258, 3855), (304, 4053), (308, 4071), (318, 4125), (356, 4236), (368, 4269), (375, 4311), (384, 4344), (405, 4413), (445, 4557), (458, 4602), (485, 4662), (506, 4761), (517, 4794), (533, 4821), (535, 4824), (537, 4827),

Gene: Stagni_13 Start: 6959, Stop: 8659, Start Num: 52

Candidate Starts for Stagni_13:

(Start: 52 @6959 has 102 MA's), (71, 7007), (139, 7142), (184, 7334), (207, 7421), (Start: 245 @7619 has 1 MA's), (265, 7709), (284, 7772), (316, 7934), (375, 8132), (381, 8156), (382, 8159), (402, 8222), (407, 8243), (416, 8282), (445, 8378), (461, 8432), (480, 8468), (517, 8615), (535, 8645), (537, 8648),

Gene: StarStuff_15 Start: 7375, Stop: 9162, Start Num: 51

Candidate Starts for StarStuff_15:

(16, 7216), (18, 7243), (Start: 51 @7375 has 557 MA's), (102, 7483), (111, 7504), (128, 7570), (136, 7612), (161, 7699), (206, 7894), (207, 7897), (233, 8005), (Start: 245 @8095 has 1 MA's), (250, 8119), (274, 8218), (284, 8248), (286, 8251), (308, 8362), (350, 8551), (399, 8710), (402, 8725), (405, 8737), (411, 8764), (416, 8785), (439, 8869), (445, 8881), (480, 8971), (517, 9118), (533, 9145), (535, 9148),

Gene: Stasia_12 Start: 7329, Stop: 9026, Start Num: 51

Candidate Starts for Stasia_12:

(Start: 51 @7329 has 557 MA's), (Start: 65 @7353 has 1 MA's), (165, 7599), (206, 7782), (207, 7785), (215, 7824), (233, 7893), (236, 7917), (Start: 245 @7983 has 1 MA's), (247, 7992), (265, 8073), (274, 8106), (306, 8238), (324, 8325), (329, 8358), (354, 8424), (375, 8499), (381, 8523), (402, 8589), (405, 8601), (411, 8628), (416, 8649), (445, 8745), (467, 8814), (517, 8982), (535, 9012), (537, 9015),

Gene: SteamedHams_6 Start: 1120, Stop: 2799, Start Num: 87

Candidate Starts for SteamedHams_6:

(Start: 87 @1120 has 64 MA's), (Start: 110 @1171 has 1 MA's), (116, 1192), (Start: 117 @1195 has 2 MA's), (140, 1237), (159, 1303), (Start: 169 @1363 has 2 MA's), (174, 1384), (175, 1393), (196, 1480), (204, 1516), (207, 1525), (217, 1576), (238, 1675), (240, 1696), (247, 1729), (257, 1765), (289, 1909), (299, 1945), (308, 1984), (334, 2131), (350, 2155), (376, 2254), (401, 2338), (425, 2425), (452, 2521), (472, 2569), (481, 2593), (512, 2725), (535, 2785), (537, 2788),

Gene: Steamy_13 Start: 7952, Stop: 9736, Start Num: 51

Candidate Starts for Steamy_13:

(Start: 51 @7952 has 557 MA's), (114, 8081), (136, 8180), (146, 8204), (161, 8267), (175, 8342), (196, 8423), (207, 8468), (215, 8507), (233, 8579), (Start: 245 @8669 has 1 MA's), (250, 8693), (274, 8792), (278, 8810), (286, 8825), (375, 9212), (399, 9284), (402, 9299), (411, 9338), (412, 9341), (416, 9359), (445, 9455), (516, 9689), (517, 9692), (533, 9719), (535, 9722), (537, 9725),

Gene: StepMih_13 Start: 6950, Stop: 8650, Start Num: 52

Candidate Starts for StepMih_13:

(Start: 52 @6950 has 102 MA's), (71, 6998), (139, 7133), (184, 7325), (207, 7412), (Start: 245 @7610 has 1 MA's), (265, 7700), (284, 7763), (316, 7925), (375, 8123), (381, 8147), (382, 8150), (402, 8213), (407, 8234), (416, 8273), (445, 8369), (461, 8423), (480, 8459), (517, 8606), (535, 8636), (537, 8639),

Gene: Stephig9_9 Start: 5669, Stop: 7423, Start Num: 31

Candidate Starts for Stephig9_9:

(Start: 31 @5669 has 29 MA's), (45, 5711), (Start: 65 @5750 has 1 MA's), (114, 5858), (175, 6065), (227, 6266), (Start: 245 @6374 has 1 MA's), (274, 6503), (310, 6668), (318, 6701), (356, 6821), (375, 6896), (407, 7007), (411, 7025), (416, 7046), (431, 7100), (445, 7142), (485, 7247), (506, 7346), (517, 7379), (537, 7412), (539, 7418),

Gene: StewieG_10 Start: 6822, Stop: 8510, Start Num: 51

Candidate Starts for StewieG_10:

(Start: 51 @6822 has 557 MA's), (Start: 143 @7002 has 2 MA's), (165, 7086), (170, 7122), (175, 7149), (207, 7272), (233, 7380), (Start: 245 @7470 has 1 MA's), (250, 7494), (258, 7521), (267, 7569), (306, 7725), (316, 7785), (382, 8010), (385, 8019), (389, 8031), (402, 8073), (407, 8094), (414, 8121), (445, 8229), (480, 8319), (503, 8424),

Gene: Stink_11 Start: 6849, Stop: 8546, Start Num: 51

Candidate Starts for Stink_11:

(Start: 51 @6849 has 557 MA's), (Start: 65 @6873 has 1 MA's), (Start: 143 @7035 has 2 MA's), (165, 7119), (206, 7302), (207, 7305), (215, 7344), (233, 7413), (236, 7437), (241, 7467), (Start: 245 @7503 has 1 MA's), (265, 7593), (306, 7758), (313, 7803), (324, 7845), (329, 7878), (354, 7944), (375, 8019), (381, 8043), (402, 8109), (411, 8148), (416, 8169), (445, 8265), (517, 8502), (535, 8532), (537, 8535),

Gene: Strosahl_14 Start: 6647, Stop: 8344, Start Num: 51

Candidate Starts for Strosahl_14:

(Start: 51 @6647 has 557 MA's), (62, 6665), (139, 6827), (194, 7052), (207, 7106), (233, 7214), (237, 7241), (Start: 245 @7304 has 1 MA's), (250, 7328), (381, 7844), (402, 7907), (412, 7949), (445, 8063), (485, 8168), (517, 8300), (533, 8327), (535, 8330), (537, 8333),

Gene: SuMoo_2 Start: 632, Stop: 2350, Start Num: 54

Candidate Starts for SuMoo_2:

(Start: 54 @632 has 35 MA's), (189, 1004), (201, 1055), (207, 1073), (238, 1223), (247, 1277), (265, 1355), (276, 1403), (365, 1718), (399, 1853), (445, 2024), (449, 2039), (478, 2138), (492, 2204), (508, 2276),

Gene: Success_50 Start: 25807, Stop: 27369, Start Num: 82

Candidate Starts for Success_50:

(Start: 82 @25807 has 1 MA's), (149, 25960), (201, 26191), (203, 26197), (207, 26209), (219, 26260), (238, 26356), (247, 26410), (248, 26413), (271, 26524), (333, 26752), (375, 26863), (378, 26875), (452, 27109), (462, 27145), (506, 27289), (525, 27334), (535, 27358),

Gene: Sue2_2 Start: 539, Stop: 2245, Start Num: 57

Candidate Starts for Sue2_2:

(5, 230), (6, 233), (8, 242), (30, 461), (Start: 57 @539 has 5 MA's), (207, 968), (215, 1010), (238, 1106), (241, 1130), (257, 1205), (269, 1265), (274, 1280), (337, 1532), (375, 1655), (378, 1667), (411, 1793), (416, 1814), (445, 1910), (449, 1925), (506, 2156), (508, 2168),

Gene: Sujidade_7 Start: 2672, Stop: 4318, Start Num: 39

Candidate Starts for Sujidade_7:

(Start: 39 @2672 has 86 MA's), (Start: 49 @2690 has 10 MA's), (152, 2894), (161, 2930), (201, 3110), (208, 3131), (231, 3218), (240, 3290), (Start: 245 @3314 has 1 MA's), (268, 3413), (271, 3428), (278, 3452), (281, 3458), (327, 3626), (375, 3776), (380, 3797), (405, 3887), (433, 3995), (445, 4034), (452, 4055), (454, 4061), (458, 4079), (506, 4235),

Gene: SummitAcademy_3 Start: 977, Stop: 2653, Start Num: 87

Candidate Starts for SummitAcademy_3:

(Start: 87 @977 has 64 MA's), (Start: 110 @1028 has 1 MA's), (116, 1049), (140, 1094), (152, 1136), (161, 1172), (174, 1238), (196, 1334), (204, 1370), (207, 1379), (208, 1382), (217, 1430), (220, 1442), (238, 1529), (276, 1709), (289, 1763), (314, 1886), (328, 1943), (333, 1976), (367, 2042), (376, 2108), (378, 2114), (402, 2198), (425, 2279), (431, 2312), (454, 2381), (485, 2459), (486, 2462), (507, 2558), (512, 2579), (516, 2585), (535, 2639), (537, 2642),

Gene: Sumter_10 Start: 6565, Stop: 8253, Start Num: 51

Candidate Starts for Sumter_10:

(Start: 51 @6565 has 557 MA's), (165, 6829), (166, 6853), (207, 7015), (213, 7048), (233, 7123), (Start: 245 @7213 has 1 MA's), (250, 7237), (258, 7264), (267, 7312), (287, 7381), (306, 7468), (316, 7528), (382, 7753), (385, 7762), (389, 7774), (402, 7816), (407, 7837), (414, 7864), (445, 7972), (480, 8062), (503, 8167),

Gene: SunsetPointe_6 Start: 2419, Stop: 4047, Start Num: 49

Candidate Starts for SunsetPointe_6:

(Start: 39 @2401 has 86 MA's), (Start: 49 @2419 has 10 MA's), (152, 2623), (Start: 169 @2704 has 2 MA's), (201, 2839), (208, 2860), (231, 2947), (240, 3019), (Start: 245 @3043 has 1 MA's), (268, 3142), (286, 3196), (313, 3295), (327, 3355), (378, 3517), (380, 3526), (405, 3616), (411, 3643), (432, 3721), (433, 3724), (445, 3763), (452, 3784), (454, 3790), (458, 3808), (492, 3904), (506, 3964),

Gene: Sunshine924_10 Start: 6548, Stop: 8236, Start Num: 51

Candidate Starts for Sunshine924_10:

(Start: 51 @6548 has 557 MA's), (165, 6812), (166, 6836), (207, 6998), (213, 7031), (233, 7106), (241, 7160), (Start: 245 @7196 has 1 MA's), (250, 7220), (258, 7247), (267, 7295), (287, 7364), (306, 7451), (316, 7511), (385, 7745), (389, 7757), (402, 7799), (407, 7820), (414, 7847), (445, 7955), (480, 8045), (503, 8150),

Gene: SuperAwesome_15 Start: 7523, Stop: 9277, Start Num: 51

Candidate Starts for SuperAwesome_15:

(Start: 51 @7523 has 557 MA's), (136, 7754), (152, 7805), (161, 7841), (175, 7916), (207, 8039), (215, 8078), (233, 8147), (236, 8171), (237, 8174), (Start: 245 @8237 has 1 MA's), (250, 8261), (284, 8390), (286, 8393), (308, 8504), (348, 8666), (375, 8753), (378, 8765), (381, 8777), (402, 8840), (411, 8879), (416, 8900), (439, 8984), (445, 8996), (517, 9233), (533, 9260), (535, 9263),

Gene: SuperCallie99_15 Start: 7524, Stop: 9278, Start Num: 51

Candidate Starts for SuperCallie99_15:

(Start: 51 @7524 has 557 MA's), (136, 7755), (152, 7806), (161, 7842), (175, 7917), (207, 8040), (215, 8079), (233, 8148), (236, 8172), (237, 8175), (Start: 245 @8238 has 1 MA's), (250, 8262), (274, 8361), (275, 8364), (284, 8391), (286, 8394), (354, 8679), (378, 8766), (381, 8778), (402, 8841), (411, 8880), (416, 8901), (439, 8985), (445, 8997), (517, 9234), (533, 9261), (535, 9264),

Gene: Superchunk_11 Start: 6158, Stop: 7942, Start Num: 51

Candidate Starts for Superchunk_11:

(Start: 51 @6158 has 557 MA's), (136, 6389), (161, 6476), (196, 6629), (206, 6671), (207, 6674), (233, 6785), (236, 6809), (237, 6812), (Start: 245 @6875 has 1 MA's), (250, 6899), (286, 7031), (384, 7451), (411, 7544), (416, 7565), (439, 7649), (445, 7661), (486, 7769), (517, 7898), (533, 7925), (535, 7928),

Gene: Superstar_8 Start: 3315, Stop: 4961, Start Num: 39

Candidate Starts for Superstar_8:

(Start: 39 @3315 has 86 MA's), (165, 3585), (171, 3627), (192, 3711), (201, 3753), (208, 3774), (231, 3861), (240, 3933), (Start: 245 @3957 has 1 MA's), (268, 4056), (276, 4092), (286, 4110), (318, 4230), (319, 4233), (327, 4269), (380, 4440), (384, 4452), (411, 4557), (433, 4638), (445, 4677), (452, 4698), (458, 4722), (506, 4878),

Gene: Survivors_6 Start: 1843, Stop: 3543, Start Num: 87

Candidate Starts for Survivors_6:

(Start: 87 @1843 has 64 MA's), (101, 1873), (116, 1915), (161, 2053), (170, 2101), (176, 2131), (184, 2164), (192, 2200), (196, 2215), (198, 2230), (207, 2260), (217, 2311), (238, 2410), (240, 2431), (257, 2500), (265, 2542), (273, 2572), (308, 2719), (315, 2770), (329, 2833), (333, 2857), (366, 2923), (371, 2956), (373, 2980), (374, 2983), (376, 2992), (382, 3013), (391, 3040), (402, 3085), (405, 3097), (406, 3103), (411, 3124), (422, 3163), (452, 3262), (462, 3298), (494, 3385), (512, 3466), (516, 3472), (535, 3529), (537, 3532),

Gene: Swann_8 Start: 3156, Stop: 4838, Start Num: 53

Candidate Starts for Swann_8:

(Start: 53 @3156 has 36 MA's), (Start: 143 @3342 has 2 MA's), (161, 3414), (165, 3426), (166, 3450), (170, 3462), (207, 3615), (209, 3630), (227, 3690), (Start: 245 @3798 has 1 MA's), (258, 3855), (304, 4053), (308, 4071), (318, 4125), (368, 4269), (374, 4308), (375, 4311), (384, 4344), (405, 4413), (445, 4557), (458, 4602), (485, 4662), (506, 4761), (517, 4794), (533, 4821), (535, 4824), (537, 4827),

Gene: SweatNTears_6 Start: 1637, Stop: 3316, Start Num: 87

Candidate Starts for SweatNTears_6:

(Start: 87 @1637 has 64 MA's), (Start: 110 @1688 has 1 MA's), (116, 1709), (138, 1748), (161, 1835), (Start: 169 @1880 has 2 MA's), (174, 1901), (175, 1910), (192, 1982), (204, 2033), (207, 2042), (217, 2093), (238, 2192), (257, 2282), (289, 2426), (299, 2462), (308, 2501), (312, 2534), (324, 2582), (333, 2639), (350, 2672), (367, 2705), (376, 2771), (378, 2777), (397, 2843), (401, 2855), (425, 2942), (452, 3038), (472, 3086), (494, 3161), (512, 3242), (535, 3302), (537, 3305),

Gene: SweetiePie_12 Start: 7386, Stop: 9173, Start Num: 51

Candidate Starts for SweetiePie_12:

(Start: 51 @7386 has 557 MA's), (102, 7494), (111, 7515), (136, 7623), (154, 7683), (175, 7785), (206, 7905), (207, 7908), (233, 8016), (Start: 245 @8106 has 1 MA's), (250, 8130), (278, 8247), (286, 8262), (350, 8562), (405, 8748), (411, 8775), (416, 8796), (445, 8892), (517, 9129), (533, 9156), (535, 9159),

Gene: SwirlSquare_14 Start: 6290, Stop: 8074, Start Num: 51

Candidate Starts for SwirlSquare_14:

(Start: 51 @6290 has 557 MA's), (136, 6521), (161, 6608), (196, 6761), (206, 6803), (207, 6806), (233, 6917), (Start: 245 @7007 has 1 MA's), (250, 7031), (286, 7163), (287, 7175), (411, 7676), (416, 7697), (439, 7781), (445, 7793), (486, 7901), (517, 8030), (533, 8057), (535, 8060),

Gene: Swirley_9 Start: 6131, Stop: 7909, Start Num: 28

Candidate Starts for Swirley_9:

(Start: 28 @6131 has 19 MA's), (Start: 31 @6158 has 29 MA's), (58, 6227), (112, 6341), (114, 6347), (161, 6479), (175, 6554), (176, 6557), (184, 6590), (194, 6623), (221, 6731), (227, 6755), (233, 6788), (Start: 245 @6863 has 1 MA's), (256, 6908), (271, 6986), (274, 6992), (287, 7037), (310, 7157), (318, 7190), (324, 7211), (375, 7385), (381, 7409), (382, 7412), (402, 7472), (405, 7484), (411, 7511), (416, 7532), (439, 7616), (445, 7628), (517, 7865), (537, 7898), (539, 7904),

Gene: SwissCheese_11 Start: 7010, Stop: 8698, Start Num: 51

Candidate Starts for SwissCheese_11:

(Start: 51 @7010 has 557 MA's), (Start: 143 @7190 has 2 MA's), (165, 7274), (170, 7310), (207, 7460), (233, 7568), (Start: 245 @7658 has 1 MA's), (250, 7682), (267, 7757), (287, 7826), (306, 7913), (316, 7973), (385, 8207), (389, 8219), (402, 8261), (407, 8282), (414, 8309), (445, 8417), (480, 8507), (503, 8612),

Gene: Switzer_12 Start: 6933, Stop: 8621, Start Num: 51

Candidate Starts for Switzer_12:

(Start: 51 @6933 has 557 MA's), (165, 7197), (166, 7221), (199, 7356), (207, 7383), (213, 7416), (233, 7491), (Start: 245 @7581 has 1 MA's), (250, 7605), (258, 7632), (267, 7680), (287, 7749), (306, 7836), (315, 7893), (316, 7896), (382, 8121), (385, 8130), (389, 8142), (402, 8184), (407, 8205), (414, 8232), (445, 8340), (480, 8430), (503, 8535),

Gene: Switzerland_14 Start: 6808, Stop: 8505, Start Num: 51

Candidate Starts for Switzerland_14:

(Start: 51 @6808 has 557 MA's), (62, 6826), (139, 6988), (175, 7144), (194, 7213), (207, 7267), (233, 7375), (237, 7402), (Start: 245 @7465 has 1 MA's), (250, 7489), (381, 8005), (402, 8068), (412, 8110), (445, 8224), (485, 8329), (517, 8461), (533, 8488), (535, 8491), (537, 8494),

Gene: Swole_13 Start: 7479, Stop: 9167, Start Num: 51

Candidate Starts for Swole_13:

(Start: 51 @7479 has 557 MA's), (Start: 143 @7659 has 2 MA's), (165, 7743), (170, 7779), (175, 7806), (207, 7929), (233, 8037), (Start: 245 @8127 has 1 MA's), (250, 8151), (258, 8178), (267, 8226), (306, 8382), (316, 8442), (385, 8676), (389, 8688), (402, 8730), (407, 8751), (414, 8778), (445, 8886), (480, 8976), (503, 9081),

Gene: SydNat_9 Start: 6265, Stop: 8016, Start Num: 31

Candidate Starts for SydNat_9:

(Start: 28 @6238 has 19 MA's), (Start: 31 @6265 has 29 MA's), (58, 6334), (Start: 72 @6373 has 1 MA's), (112, 6448), (114, 6454), (161, 6586), (175, 6661), (176, 6664), (194, 6730), (221, 6838), (227, 6862), (Start: 245 @6970 has 1 MA's), (256, 7015), (271, 7093), (274, 7099), (275, 7102), (310, 7264), (311, 7270), (318, 7297), (375, 7492), (381, 7516), (402, 7579), (405, 7591), (411, 7618), (416, 7639), (431, 7693), (439, 7723), (445, 7735), (517, 7972), (537, 8005), (539, 8011),

Gene: TChen_2 Start: 458, Stop: 2236, Start Num: 52

Candidate Starts for TChen_2:

(Start: 52 @458 has 102 MA's), (81, 509), (92, 530), (104, 560), (106, 566), (113, 581), (131, 632), (150, 695), (152, 707), (161, 743), (170, 791), (173, 806), (175, 818), (177, 824), (191, 881), (192, 884), (194, 890), (197, 905), (200, 923), (201, 926), (207, 944), (238, 1085), (239, 1103), (Start: 245 @1130 has 1 MA's), (250, 1154), (257, 1187), (275, 1265), (293, 1355), (297, 1364), (301, 1379), (318, 1421), (319, 1424), (328, 1466), (329, 1475), (333, 1499), (357, 1541), (359, 1544), (368, 1568), (374, 1607), (375, 1610), (379, 1625), (384, 1643), (386, 1646), (408, 1727), (411, 1742), (412, 1745), (415, 1757), (420, 1796), (431, 1847), (433, 1853), (439, 1889), (445, 1901), (454, 1925), (461, 1952), (464, 1961), (465, 1964), (481, 2036), (492, 2084), (495, 2090), (500, 2123), (501, 2129), (503, 2135), (505, 2141), (506, 2144), (508, 2156), (516, 2174), (524, 2195), (531, 2213), (537, 2225),

Gene: TNguyen7_11 Start: 6466, Stop: 8163, Start Num: 51

Candidate Starts for TNguyen7_11:

(Start: 51 @6466 has 557 MA's), (Start: 65 @6490 has 1 MA's), (86, 6538), (165, 6736), (175, 6799), (203, 6910), (207, 6922), (215, 6961), (220, 6973), (233, 7030), (236, 7054), (Start: 245 @7120 has 1 MA's), (247, 7129), (265, 7210), (271, 7237), (306, 7375), (324, 7462), (329, 7495), (354, 7561), (375, 7636), (381, 7660), (382, 7663), (384, 7669), (387, 7678), (399, 7711), (402, 7726), (416, 7786), (445, 7882), (458, 7927), (461, 7936), (507, 8089), (517, 8119), (535, 8149), (537, 8152),

Gene: TPA4_2 Start: 526, Stop: 2238, Start Num: 72

Candidate Starts for TPA4_2:

(40, 451), (Start: 51 @475 has 557 MA's), (67, 505), (Start: 72 @526 has 1 MA's), (88, 550), (108, 595), (131, 658), (159, 757), (161, 772), (178, 856), (185, 889), (188, 898), (207, 970), (228, 1048), (230, 1054), (239, 1126), (247, 1162), (259, 1219), (263, 1243), (368, 1585), (378, 1639), (384, 1660), (387, 1669), (405, 1738), (411, 1765), (412, 1768), (433, 1876), (439, 1909), (445, 1921), (484, 2044), (503, 2137), (505, 2143), (537, 2227),

Gene: TWAMP_8 Start: 3156, Stop: 4838, Start Num: 53

Candidate Starts for TWAMP_8:

(Start: 53 @3156 has 36 MA's), (Start: 143 @3342 has 2 MA's), (161, 3414), (165, 3426), (166, 3450), (170, 3462), (207, 3615), (209, 3630), (227, 3690), (Start: 245 @3798 has 1 MA's), (258, 3855), (304, 4053), (308, 4071), (318, 4125), (368, 4269), (374, 4308), (375, 4311), (384, 4344), (405, 4413), (445, 4557), (458, 4602), (485, 4662), (506, 4761), (517, 4794), (533, 4821), (535, 4824), (537, 4827),

Gene: TagePhighter_7 Start: 2376, Stop: 4022, Start Num: 39

Candidate Starts for TagePhighter_7:

(Start: 39 @2376 has 86 MA's), (Start: 49 @2394 has 10 MA's), (Start: 117 @2526 has 2 MA's), (152, 2598), (161, 2634), (201, 2814), (208, 2835), (219, 2880), (231, 2922), (240, 2994), (Start: 245 @3018 has 1 MA's), (268, 3117), (271, 3132), (278, 3156), (281, 3162), (327, 3330), (338, 3390), (375, 3480), (380, 3501), (405, 3591), (433, 3699), (445, 3738), (452, 3759), (454, 3765), (458, 3783), (506, 3939), (539, 4017),

Gene: Takoda_8 Start: 3148, Stop: 4830, Start Num: 53

Candidate Starts for Takoda_8:

(Start: 53 @3148 has 36 MA's), (Start: 143 @3334 has 2 MA's), (161, 3406), (165, 3418), (166, 3442), (170, 3454), (209, 3622), (227, 3682), (Start: 245 @3790 has 1 MA's), (304, 4045), (318, 4117), (319, 4120), (368, 4261), (375, 4303), (384, 4336), (402, 4393), (405, 4405), (445, 4549), (458, 4594), (485, 4654), (506, 4753), (517, 4786), (533, 4813), (535, 4816), (537, 4819),

Gene: Tallboi_2 Start: 534, Stop: 2240, Start Num: 55

Candidate Starts for Tallboi_2:

(Start: 55 @534 has 34 MA's), (193, 906), (207, 963), (210, 984), (218, 1011), (238, 1101), (247, 1155), (257, 1200), (274, 1275), (330, 1488), (337, 1527), (375, 1650), (445, 1905), (449, 1920), (485, 2055), (492, 2091), (506, 2151), (508, 2163),

Gene: Taquarus_11 Start: 6887, Stop: 8584, Start Num: 51

Candidate Starts for Taquarus_11:

(Start: 51 @6887 has 557 MA's), (Start: 65 @6911 has 1 MA's), (Start: 117 @7034 has 2 MA's), (157, 7124), (165, 7157), (184, 7256), (206, 7340), (207, 7343), (215, 7382), (233, 7451), (236, 7475), (Start: 245 @7541 has 1 MA's), (265, 7631), (306, 7796), (324, 7883), (329, 7916), (354, 7982), (374, 8054), (375, 8057), (381, 8081), (399, 8132), (402, 8147), (411, 8186), (416, 8207), (445, 8303), (517, 8540), (535, 8570), (537, 8573),

Gene: Target_13 Start: 7766, Stop: 9457, Start Num: 51

Candidate Starts for Target_13:

(Start: 51 @7766 has 557 MA's), (Start: 143 @7946 has 2 MA's), (165, 8030), (173, 8081), (207, 8216), (233, 8327), (236, 8351), (Start: 245 @8417 has 1 MA's), (250, 8441), (289, 8609), (315, 8729), (316, 8732), (375, 8930), (382, 8957), (404, 9029), (407, 9041), (412, 9062), (428, 9119), (445, 9176), (480, 9266), (481, 9269), (506, 9380), (507, 9383), (517, 9413), (535, 9443), (537, 9446),

Gene: TarsusIV_12 Start: 7454, Stop: 9241, Start Num: 51

Candidate Starts for TarsusIV_12:

(Start: 51 @7454 has 557 MA's), (102, 7562), (111, 7583), (131, 7667), (136, 7691), (161, 7778), (171, 7832), (192, 7916), (206, 7973), (207, 7976), (233, 8084), (Start: 245 @8174 has 1 MA's), (250, 8198), (278, 8315), (286, 8330), (358, 8645), (375, 8717), (405, 8816), (411, 8843), (416, 8864), (445, 8960), (517, 9197), (535, 9227),

Gene: Tarynearal_8 Start: 6158, Stop: 7936, Start Num: 28

Candidate Starts for Tarynearal_8:

(Start: 28 @6158 has 19 MA's), (Start: 31 @6185 has 29 MA's), (58, 6254), (112, 6368), (114, 6374), (161, 6506), (175, 6581), (176, 6584), (184, 6617), (194, 6650), (221, 6758), (227, 6782), (233, 6815), (Start: 245 @6890 has 1 MA's), (256, 6935), (271, 7013), (274, 7019), (287, 7064), (318, 7217), (324, 7238), (375, 7412), (381, 7436), (382, 7439), (402, 7499), (405, 7511), (411, 7538), (416, 7559), (439, 7643), (445, 7655), (517, 7892), (537, 7925), (539, 7931),

Gene: Tasp14_12 Start: 7250, Stop: 8938, Start Num: 51

Candidate Starts for Tasp14_12:

(Start: 51 @7250 has 557 MA's), (Start: 143 @7430 has 2 MA's), (165, 7514), (170, 7550), (175, 7577), (207, 7700), (233, 7808), (Start: 245 @7898 has 1 MA's), (250, 7922), (258, 7949), (267, 7997), (287, 8066), (306, 8153), (316, 8213), (385, 8447), (389, 8459), (402, 8501), (407, 8522), (414, 8549), (445, 8657), (480, 8747), (503, 8852),

Gene: Taurus_13 Start: 6955, Stop: 8655, Start Num: 52

Candidate Starts for Taurus_13:

(Start: 52 @6955 has 102 MA's), (71, 7003), (139, 7138), (184, 7330), (207, 7417), (214, 7453), (Start: 245 @7615 has 1 MA's), (265, 7705), (284, 7768), (316, 7930), (375, 8128), (381, 8152), (382, 8155), (402, 8218), (407, 8239), (416, 8278), (445, 8374), (461, 8428), (480, 8464), (517, 8611), (535, 8641), (537, 8644),

Gene: Tbone_2 Start: 533, Stop: 2239, Start Num: 55

Candidate Starts for Tbone_2:

(Start: 55 @533 has 34 MA's), (193, 905), (207, 962), (218, 1010), (238, 1100), (247, 1154), (274, 1274), (293, 1364), (337, 1526), (375, 1649), (445, 1904), (449, 1919), (485, 2054), (502, 2138), (508, 2162),

Gene: Tefunt_6 Start: 2173, Stop: 3822, Start Num: 39

Candidate Starts for Tefunt_6:

(Start: 39 @2173 has 86 MA's), (146, 2371), (152, 2398), (165, 2446), (Start: 169 @2479 has 2 MA's), (174, 2500), (196, 2587), (201, 2614), (208, 2635), (219, 2680), (231, 2722), (240, 2794), (Start: 245 @2818 has 1 MA's), (268, 2917), (276, 2953), (286, 2971), (318, 3091), (319, 3094), (327, 3130), (345, 3211), (380, 3301), (384, 3313), (399, 3364), (405, 3391), (411, 3418), (445, 3538), (452, 3559), (458, 3583), (485, 3643), (506, 3739), (539, 3817),

Gene: Teodoridan_9 Start: 6381, Stop: 8069, Start Num: 51

Candidate Starts for Teodoridan_9:

(Start: 51 @6381 has 557 MA's), (165, 6645), (166, 6669), (207, 6831), (213, 6864), (233, 6939), (Start: 245 @7029 has 1 MA's), (250, 7053), (267, 7128), (306, 7284), (307, 7293), (315, 7341), (316, 7344), (385, 7578), (389, 7590), (402, 7632), (407, 7653), (414, 7680), (445, 7788), (480, 7878), (503, 7983),

Gene: Tesla_34 Start: 10743, Stop: 12485, Start Num: 87

Candidate Starts for Tesla_34:

(Start: 87 @10743 has 64 MA's), (139, 10860), (152, 10905), (160, 10971), (162, 10986), (166, 11019), (167, 11022), (171, 11037), (176, 11061), (177, 11064), (184, 11094), (190, 11115), (192,

11133), (195, 11142), (202, 11178), (207, 11193), (217, 11238), (231, 11280), (235, 11319), (238, 11331), (240, 11352), (251, 11403), (258, 11424), (312, 11646), (333, 11751), (334, 11760), (356, 11793), (367, 11814), (368, 11817), (371, 11844), (375, 11874), (378, 11886), (382, 11901), (385, 11910), (387, 11916), (397, 11958), (400, 11967), (403, 11982), (407, 11997), (425, 12057), (431, 12096), (441, 12129), (452, 12159), (453, 12162), (471, 12246), (485, 12300), (488, 12315), (495, 12342), (506, 12396), (533, 12468), (535, 12471),

Gene: Texage_11 Start: 7044, Stop: 8741, Start Num: 51

Candidate Starts for Texage_11:

(Start: 51 @7044 has 557 MA's), (Start: 65 @7068 has 1 MA's), (165, 7314), (203, 7488), (207, 7500), (215, 7539), (220, 7551), (233, 7608), (236, 7632), (Start: 245 @7698 has 1 MA's), (247, 7707), (265, 7788), (274, 7821), (306, 7953), (308, 7965), (318, 8019), (324, 8040), (329, 8073), (348, 8127), (375, 8214), (381, 8238), (382, 8241), (384, 8247), (387, 8256), (402, 8304), (411, 8343), (412, 8346), (416, 8364), (445, 8460), (461, 8514), (507, 8667), (517, 8697), (535, 8727), (537, 8730),

Gene: TforTroy_2 Start: 547, Stop: 2244, Start Num: 55

Candidate Starts for TforTroy_2:

(Start: 55 @547 has 34 MA's), (Start: 63 @556 has 4 MA's), (Start: 110 @634 has 1 MA's), (193, 919), (207, 976), (215, 1018), (238, 1114), (247, 1168), (274, 1288), (293, 1378), (375, 1663), (405, 1774), (425, 1843), (445, 1918), (449, 1933), (485, 2059), (502, 2143), (508, 2167),

Gene: Thanksgivukkah_11 Start: 6889, Stop: 8586, Start Num: 51

Candidate Starts for Thanksgivukkah_11:

(Start: 51 @6889 has 557 MA's), (Start: 65 @6913 has 1 MA's), (Start: 117 @7036 has 2 MA's), (157, 7126), (165, 7159), (184, 7258), (206, 7342), (207, 7345), (215, 7384), (233, 7453), (236, 7477), (Start: 245 @7543 has 1 MA's), (265, 7633), (306, 7798), (324, 7885), (329, 7918), (354, 7984), (374, 8056), (375, 8059), (381, 8083), (399, 8134), (402, 8149), (411, 8188), (416, 8209), (445, 8305), (517, 8542), (535, 8572), (537, 8575),

Gene: Theia_8 Start: 6097, Stop: 7875, Start Num: 28

Candidate Starts for Theia_8:

(Start: 28 @6097 has 19 MA's), (Start: 31 @6124 has 29 MA's), (58, 6193), (112, 6307), (114, 6313), (161, 6445), (175, 6520), (176, 6523), (184, 6556), (194, 6589), (221, 6697), (227, 6721), (233, 6754), (Start: 245 @6829 has 1 MA's), (256, 6874), (271, 6952), (274, 6958), (310, 7123), (318, 7156), (324, 7177), (375, 7351), (381, 7375), (382, 7378), (402, 7438), (405, 7450), (411, 7477), (416, 7498), (439, 7582), (445, 7594), (481, 7687), (517, 7831), (537, 7864), (539, 7870),

Gene: TheloniousMonk_13 Start: 7993, Stop: 9681, Start Num: 51

Candidate Starts for TheloniousMonk_13:

(Start: 51 @7993 has 557 MA's), (165, 8257), (166, 8281), (207, 8443), (213, 8476), (233, 8551), (Start: 245 @8641 has 1 MA's), (250, 8665), (258, 8692), (267, 8740), (287, 8809), (302, 8884), (306, 8896), (316, 8956), (382, 9181), (385, 9190), (389, 9202), (402, 9244), (407, 9265), (414, 9292), (445, 9400), (480, 9490), (503, 9595),

Gene: Thestral_7 Start: 2249, Stop: 3895, Start Num: 39

Candidate Starts for Thestral_7:

(Start: 39 @2249 has 86 MA's), (165, 2519), (166, 2543), (Start: 169 @2552 has 2 MA's), (192, 2645), (196, 2660), (201, 2687), (208, 2708), (231, 2795), (240, 2867), (Start: 245 @2891 has 1 MA's), (268, 2990), (276, 3026), (303, 3131), (319, 3167), (327, 3203), (330, 3221), (374, 3350), (375, 3353), (378, 3365), (380, 3374), (383, 3383), (405, 3464), (411, 3491), (417, 3518), (433, 3572), (445, 3611), (452, 3632), (458, 3656), (485, 3716), (506, 3812), (539, 3890),

Gene: ThetaBob_2 Start: 458, Stop: 2236, Start Num: 52

Candidate Starts for ThetaBob_2:

(Start: 52 @458 has 102 MA's), (81, 509), (92, 530), (104, 560), (106, 566), (113, 581), (131, 632), (150, 695), (152, 707), (161, 743), (170, 791), (173, 806), (175, 818), (177, 824), (191, 881), (192, 884), (194, 890), (197, 905), (200, 923), (201, 926), (207, 944), (238, 1085), (239, 1103), (Start: 245 @1130 has 1 MA's), (250, 1154), (257, 1187), (275, 1265), (293, 1355), (297, 1364), (301, 1379), (318, 1421), (319, 1424), (328, 1466), (329, 1475), (333, 1499), (357, 1541), (359, 1544), (368, 1568), (374, 1607), (375, 1610), (379, 1625), (384, 1643), (386, 1646), (408, 1727), (411, 1742), (412, 1745), (415, 1757), (420, 1796), (431, 1847), (433, 1853), (439, 1889), (445, 1901), (454, 1925), (461, 1952), (464, 1961), (465, 1964), (481, 2036), (492, 2084), (495, 2090), (500, 2123), (501, 2129), (503, 2135), (505, 2141), (506, 2144), (508, 2156), (516, 2174), (524, 2195), (531, 2213), (537, 2225),

Gene: Thor_11 Start: 6833, Stop: 8521, Start Num: 51

Candidate Starts for Thor_11:

(Start: 51 @6833 has 557 MA's), (Start: 143 @7013 has 2 MA's), (165, 7097), (170, 7133), (175, 7160), (207, 7283), (213, 7316), (233, 7391), (Start: 245 @7481 has 1 MA's), (250, 7505), (258, 7532), (267, 7580), (306, 7736), (307, 7745), (316, 7796), (385, 8030), (389, 8042), (402, 8084), (407, 8105), (414, 8132), (445, 8240), (480, 8330), (503, 8435),

Gene: Tian_2 Start: 533, Stop: 2239, Start Num: 55

Candidate Starts for Tian_2:

(Start: 55 @533 has 34 MA's), (101, 599), (193, 905), (207, 962), (210, 983), (218, 1010), (238, 1100), (247, 1154), (257, 1199), (274, 1274), (337, 1526), (375, 1649), (425, 1829), (445, 1904), (449, 1919), (485, 2054), (506, 2150), (508, 2162),

Gene: Tiffany_13 Start: 6851, Stop: 8551, Start Num: 52

Candidate Starts for Tiffany_13:

(Start: 52 @6851 has 102 MA's), (71, 6899), (139, 7034), (184, 7226), (207, 7313), (Start: 245 @7511 has 1 MA's), (265, 7601), (284, 7664), (316, 7826), (375, 8024), (381, 8048), (382, 8051), (402, 8114), (407, 8135), (416, 8174), (445, 8270), (461, 8324), (480, 8360), (517, 8507), (535, 8537), (537, 8540),

Gene: Tiger_9 Start: 6005, Stop: 7756, Start Num: 31

Candidate Starts for Tiger_9:

(Start: 28 @5978 has 19 MA's), (Start: 31 @6005 has 29 MA's), (58, 6074), (Start: 72 @6113 has 1 MA's), (112, 6188), (114, 6194), (161, 6326), (175, 6401), (176, 6404), (209, 6539), (221, 6578), (227, 6602), (Start: 245 @6710 has 1 MA's), (256, 6755), (271, 6833), (274, 6839), (310, 7004), (318, 7037), (324, 7058), (375, 7232), (381, 7256), (382, 7259), (402, 7319), (405, 7331), (411, 7358), (416, 7379), (439, 7463), (445, 7475), (517, 7712), (537, 7745), (539, 7751),

Gene: Timothy_12 Start: 8024, Stop: 9787, Start Num: 51

Candidate Starts for Timothy_12:

(Start: 51 @8024 has 557 MA's), (Start: 63 @8045 has 4 MA's), (102, 8132), (136, 8261), (146, 8285), (161, 8348), (194, 8492), (206, 8543), (207, 8546), (233, 8657), (236, 8681), (237, 8684), (Start: 245 @8747 has 1 MA's), (247, 8756), (250, 8771), (278, 8888), (286, 8903), (295, 8963), (313, 9047), (354, 9188), (378, 9275), (381, 9287), (399, 9335), (402, 9350), (411, 9389), (416, 9410), (428, 9449), (439, 9494), (445, 9506), (517, 9743), (533, 9770),

Gene: Timshel_12 Start: 8311, Stop: 10005, Start Num: 51

Candidate Starts for Timshel_12:

(Start: 51 @8311 has 557 MA's), (136, 8479), (152, 8530), (165, 8578), (175, 8641), (184, 8677), (194, 8710), (203, 8752), (207, 8764), (209, 8779), (215, 8803), (233, 8872), (Start: 245 @8962 has 1 MA's), (247, 8971), (286, 9118), (306, 9217), (315, 9274), (324, 9304), (374, 9475), (375, 9478), (381, 9502), (382, 9505), (404, 9577), (416, 9628), (445, 9724), (454, 9751), (461, 9778), (507, 9931), (517, 9961), (535, 9991),

Gene: TinaBelcher_6 Start: 2200, Stop: 3846, Start Num: 39

Candidate Starts for TinaBelcher_6:

(Start: 39 @2200 has 86 MA's), (96, 2296), (165, 2470), (166, 2494), (Start: 169 @2503 has 2 MA's), (192, 2596), (196, 2611), (201, 2638), (208, 2659), (231, 2746), (240, 2818), (Start: 245 @2842 has 1 MA's), (268, 2941), (276, 2977), (303, 3082), (319, 3118), (327, 3154), (330, 3172), (374, 3301), (375, 3304), (378, 3316), (380, 3325), (383, 3334), (405, 3415), (411, 3442), (417, 3469), (433, 3523), (445, 3562), (452, 3583), (458, 3607), (467, 3631), (485, 3667), (506, 3763), (539, 3841),

Gene: TinaFeyge_11 Start: 6884, Stop: 8581, Start Num: 51

Candidate Starts for TinaFeyge_11:

(Start: 51 @6884 has 557 MA's), (Start: 65 @6908 has 1 MA's), (Start: 117 @7031 has 2 MA's), (157, 7121), (165, 7154), (184, 7253), (206, 7337), (207, 7340), (215, 7379), (233, 7448), (236, 7472), (Start: 245 @7538 has 1 MA's), (265, 7628), (306, 7793), (324, 7880), (329, 7913), (354, 7979), (374, 8051), (375, 8054), (381, 8078), (399, 8129), (402, 8144), (411, 8183), (416, 8204), (445, 8300), (517, 8537), (535, 8567), (537, 8570),

Gene: TinyTimmy_11 Start: 8076, Stop: 9839, Start Num: 51

Candidate Starts for TinyTimmy_11:

(Start: 51 @8076 has 557 MA's), (Start: 63 @8097 has 4 MA's), (102, 8184), (136, 8313), (146, 8337), (161, 8400), (194, 8544), (206, 8595), (207, 8598), (233, 8709), (236, 8733), (237, 8736), (Start: 245 @8799 has 1 MA's), (247, 8808), (250, 8823), (278, 8940), (286, 8955), (295, 9015), (313, 9099), (378, 9327), (381, 9339), (399, 9387), (402, 9402), (411, 9441), (416, 9462), (428, 9501), (439, 9546), (445, 9558), (517, 9795), (533, 9822),

Gene: Tinybot_10 Start: 6864, Stop: 8561, Start Num: 51

Candidate Starts for Tinybot_10:

(Start: 51 @6864 has 557 MA's), (Start: 65 @6888 has 1 MA's), (Start: 117 @7011 has 2 MA's), (157, 7101), (165, 7134), (184, 7233), (206, 7317), (207, 7320), (215, 7359), (233, 7428), (236, 7452), (Start: 245 @7518 has 1 MA's), (265, 7608), (306, 7773), (324, 7860), (329, 7893), (354, 7959), (374, 8031), (375, 8034), (381, 8058), (399, 8109), (402, 8124), (411, 8163), (416, 8184), (445, 8280), (517, 8517), (535, 8547), (537, 8550),

Gene: TipsytheTRex_11 Start: 6516, Stop: 8297, Start Num: 51

Candidate Starts for TipsytheTRex_11:

(Start: 51 @6516 has 557 MA's), (Start: 117 @6660 has 2 MA's), (128, 6705), (136, 6747), (161, 6834), (171, 6888), (206, 7029), (207, 7032), (215, 7071), (233, 7140), (Start: 245 @7230 has 1 MA's), (250, 7254), (284, 7383), (286, 7386), (411, 7899), (416, 7920), (439, 8004), (445, 8016), (517, 8253), (533, 8280), (535, 8283), (537, 8286),

Gene: TiroTheta9_11 Start: 6884, Stop: 8581, Start Num: 51

Candidate Starts for TiroTheta9_11:

(Start: 51 @6884 has 557 MA's), (Start: 65 @6908 has 1 MA's), (Start: 117 @7031 has 2 MA's), (157, 7121), (165, 7154), (184, 7253), (206, 7337), (207, 7340), (215, 7379), (233, 7448), (236, 7472), (Start: 245 @7538 has 1 MA's), (265, 7628), (306, 7793), (324, 7880), (329, 7913), (354, 7979), (374, 8051), (375, 8054), (381, 8078), (399, 8129), (402, 8144), (411, 8183), (416, 8204), (445, 8300), (517, 8537), (535, 8567), (537, 8570),

Gene: Toaka_11 Start: 6489, Stop: 8273, Start Num: 51

Candidate Starts for Toaka_11:

(Start: 51 @6489 has 557 MA's), (114, 6618), (136, 6717), (139, 6723), (146, 6741), (175, 6879), (194, 6951), (207, 7005), (215, 7044), (233, 7116), (Start: 245 @7206 has 1 MA's), (250, 7230), (278, 7347), (286, 7362), (307, 7470), (323, 7545), (343, 7641), (378, 7761), (384, 7782), (411, 7875), (416, 7896),

(431, 7950), (439, 7980), (445, 7992), (486, 8100), (498, 8151), (517, 8229), (533, 8256), (535, 8259),

Gene: Todacoro_12 Start: 7044, Stop: 8741, Start Num: 51

Candidate Starts for Todacoro_12:

(Start: 51 @7044 has 557 MA's), (Start: 65 @7068 has 1 MA's), (165, 7314), (203, 7488), (207, 7500), (215, 7539), (220, 7551), (233, 7608), (236, 7632), (Start: 245 @7698 has 1 MA's), (247, 7707), (265, 7788), (274, 7821), (306, 7953), (308, 7965), (318, 8019), (324, 8040), (329, 8073), (348, 8127), (375, 8214), (381, 8238), (382, 8241), (384, 8247), (387, 8256), (402, 8304), (411, 8343), (412, 8346), (416, 8364), (445, 8460), (461, 8514), (507, 8667), (517, 8697), (535, 8727), (537, 8730),

Gene: Tolls_6 Start: 1121, Stop: 2800, Start Num: 87

Candidate Starts for Tolls_6:

(Start: 87 @1121 has 64 MA's), (Start: 110 @1172 has 1 MA's), (116, 1193), (Start: 117 @1196 has 2 MA's), (140, 1238), (159, 1304), (Start: 169 @1364 has 2 MA's), (174, 1385), (175, 1394), (196, 1481), (204, 1517), (207, 1526), (217, 1577), (238, 1676), (240, 1697), (247, 1730), (257, 1766), (289, 1910), (299, 1946), (308, 1985), (334, 2132), (350, 2156), (376, 2255), (401, 2339), (425, 2426), (452, 2522), (472, 2570), (481, 2594), (494, 2645), (512, 2726), (535, 2786), (537, 2789),

Gene: Toma_6 Start: 2395, Stop: 4023, Start Num: 49

Candidate Starts for Toma_6:

(Start: 39 @2377 has 86 MA's), (Start: 49 @2395 has 10 MA's), (152, 2599), (161, 2635), (201, 2815), (208, 2836), (231, 2923), (240, 2995), (Start: 245 @3019 has 1 MA's), (268, 3118), (271, 3133), (278, 3157), (281, 3163), (327, 3331), (338, 3391), (375, 3481), (380, 3502), (405, 3592), (416, 3640), (445, 3739), (452, 3760), (454, 3766), (458, 3784), (506, 3940),

Gene: Tomathan_15 Start: 7375, Stop: 9162, Start Num: 51

Candidate Starts for Tomathan_15:

(16, 7216), (18, 7243), (Start: 51 @7375 has 557 MA's), (102, 7483), (111, 7504), (128, 7570), (136, 7612), (161, 7699), (206, 7894), (207, 7897), (233, 8005), (Start: 245 @8095 has 1 MA's), (250, 8119), (274, 8218), (284, 8248), (286, 8251), (308, 8362), (350, 8551), (399, 8710), (402, 8725), (405, 8737), (411, 8764), (416, 8785), (439, 8869), (445, 8881), (480, 8971), (517, 9118), (533, 9145), (535, 9148),

Gene: ToneTone_14 Start: 7446, Stop: 9200, Start Num: 51

Candidate Starts for ToneTone_14:

(Start: 51 @7446 has 557 MA's), (114, 7578), (136, 7677), (146, 7701), (152, 7728), (161, 7764), (175, 7839), (207, 7962), (209, 7977), (215, 8001), (233, 8070), (236, 8094), (237, 8097), (Start: 245 @8160 has 1 MA's), (250, 8184), (284, 8313), (286, 8316), (308, 8427), (348, 8589), (375, 8676), (378, 8688), (381, 8700), (399, 8748), (402, 8763), (411, 8802), (416, 8823), (439, 8907), (445, 8919), (517, 9156), (533, 9183), (535, 9186),

Gene: Toniann_30 Start: 8628, Stop: 10376, Start Num: 84

Candidate Starts for Toniann_30:

(Start: 84 @8628 has 21 MA's), (99, 8658), (150, 8787), (180, 8973), (187, 9012), (195, 9036), (200, 9066), (206, 9084), (211, 9111), (218, 9141), (257, 9333), (260, 9351), (297, 9513), (314, 9561), (319, 9576), (365, 9759), (367, 9765), (381, 9849), (404, 9936), (412, 9969), (445, 10083), (456, 10119), (466, 10143), (470, 10158), (520, 10332), (526, 10338),

Gene: Topanga_11 Start: 6816, Stop: 8507, Start Num: 51

Candidate Starts for Topanga_11:

(Start: 51 @6816 has 557 MA's), (Start: 65 @6840 has 1 MA's), (Start: 117 @6963 has 2 MA's), (161, 7083), (165, 7095), (172, 7140), (184, 7194), (192, 7221), (196, 7236), (207, 7281), (215, 7320), (231, 7368), (233, 7389), (236, 7413), (Start: 245 @7464 has 1 MA's), (274, 7587), (306, 7719), (320, 7794), (329, 7839), (354, 7905), (375, 7980), (381, 8004), (402, 8070), (411, 8109), (412, 8112), (416, 8130),

(445, 8226), (467, 8295), (517, 8463), (535, 8493), (537, 8496),

Gene: Topgun_11 Start: 6738, Stop: 8426, Start Num: 51

Candidate Starts for Topgun_11:

(Start: 51 @6738 has 557 MA's), (165, 7002), (166, 7026), (207, 7188), (213, 7221), (233, 7296),
(Start: 245 @7386 has 1 MA's), (250, 7410), (267, 7485), (306, 7641), (307, 7650), (315, 7698), (316,
7701), (385, 7935), (389, 7947), (402, 7989), (407, 8010), (414, 8037), (445, 8145), (480, 8235), (503,
8340),

Gene: Tote_13 Start: 7479, Stop: 9167, Start Num: 51

Candidate Starts for Tote_13:

(Start: 51 @7479 has 557 MA's), (Start: 143 @7659 has 2 MA's), (165, 7743), (170, 7779), (175,
7806), (207, 7929), (233, 8037), (Start: 245 @8127 has 1 MA's), (250, 8151), (258, 8178), (267, 8226),
(306, 8382), (316, 8442), (385, 8676), (389, 8688), (402, 8730), (407, 8751), (414, 8778), (445, 8886),
(480, 8976), (503, 9081),

Gene: TouchMeNot_3 Start: 1236, Stop: 2873, Start Num: 76

Candidate Starts for TouchMeNot_3:

(Start: 76 @1236 has 4 MA's), (88, 1260), (Start: 118 @1338 has 2 MA's), (149, 1404), (170, 1503),
(174, 1521), (175, 1530), (177, 1536), (187, 1584), (189, 1590), (192, 1599), (201, 1641), (203, 1647),
(204, 1650), (207, 1659), (225, 1737), (Start: 245 @1854 has 1 MA's), (248, 1866), (249, 1869), (250,
1878), (265, 1941), (286, 2013), (289, 2046), (315, 2124), (345, 2235), (368, 2280), (401, 2412), (402,
2418), (436, 2550), (445, 2589), (480, 2679), (487, 2706), (505, 2787), (508, 2802), (509, 2805), (511,
2814), (535, 2862),

Gene: Traft412_13 Start: 7666, Stop: 9354, Start Num: 51

Candidate Starts for Traft412_13:

(Start: 51 @7666 has 557 MA's), (165, 7930), (166, 7954), (207, 8116), (213, 8149), (233, 8224),
(Start: 245 @8314 has 1 MA's), (250, 8338), (258, 8365), (267, 8413), (306, 8569), (316, 8629), (385,
8863), (389, 8875), (402, 8917), (407, 8938), (414, 8965), (445, 9073), (480, 9163), (503, 9268),

Gene: Treddle_13 Start: 7975, Stop: 9663, Start Num: 54

Candidate Starts for Treddle_13:

(Start: 54 @7975 has 35 MA's), (Start: 143 @8155 has 2 MA's), (165, 8239), (167, 8266), (170, 8275),
(207, 8425), (213, 8458), (233, 8533), (Start: 245 @8623 has 1 MA's), (250, 8647), (258, 8674), (267,
8722), (306, 8878), (316, 8938), (385, 9172), (389, 9184), (402, 9226), (407, 9247), (414, 9274), (445,
9382), (480, 9472), (503, 9577),

Gene: Trike_9 Start: 4773, Stop: 6464, Start Num: 51

Candidate Starts for Trike_9:

(Start: 51 @4773 has 557 MA's), (Start: 65 @4797 has 1 MA's), (Start: 117 @4920 has 2 MA's), (152,
5004), (161, 5040), (165, 5052), (171, 5094), (196, 5193), (207, 5238), (215, 5277), (231, 5325), (233,
5346), (236, 5370), (Start: 245 @5421 has 1 MA's), (274, 5544), (309, 5691), (320, 5751), (329, 5796),
(375, 5937), (393, 5991), (402, 6027), (411, 6066), (416, 6087), (445, 6183), (467, 6252), (517, 6420),
(535, 6450), (537, 6453),

Gene: Tripl3t_12 Start: 7661, Stop: 9349, Start Num: 51

Candidate Starts for Tripl3t_12:

(Start: 51 @7661 has 557 MA's), (165, 7925), (166, 7949), (199, 8084), (207, 8111), (213, 8144), (233,
8219), (Start: 245 @8309 has 1 MA's), (250, 8333), (258, 8360), (267, 8408), (306, 8564), (307, 8573),
(316, 8624), (382, 8849), (385, 8858), (389, 8870), (402, 8912), (407, 8933), (414, 8960), (445, 9068),
(480, 9158), (503, 9263),

Gene: Triste_6 Start: 2377, Stop: 4023, Start Num: 39

Candidate Starts for Triste_6:

(Start: 39 @2377 has 86 MA's), (Start: 49 @2395 has 10 MA's), (Start: 117 @2527 has 2 MA's), (152, 2599), (161, 2635), (201, 2815), (208, 2836), (219, 2881), (231, 2923), (240, 2995), (Start: 245 @3019 has 1 MA's), (268, 3118), (271, 3133), (278, 3157), (281, 3163), (327, 3331), (375, 3481), (380, 3502), (399, 3565), (405, 3592), (433, 3700), (445, 3739), (450, 3757), (452, 3760), (454, 3766), (458, 3784), (506, 3940), (539, 4018),

Gene: Triumph_8 Start: 2519, Stop: 3862, Start Num: 169

Candidate Starts for Triumph_8:

(Start: 169 @2519 has 2 MA's), (192, 2612), (196, 2627), (201, 2654), (208, 2675), (240, 2834), (Start: 245 @2858 has 1 MA's), (254, 2891), (265, 2945), (274, 2978), (284, 3008), (286, 3011), (290, 3047), (296, 3071), (319, 3134), (320, 3140), (327, 3170), (330, 3188), (374, 3317), (375, 3320), (378, 3332), (380, 3341), (383, 3350), (405, 3431), (411, 3458), (445, 3578), (452, 3599), (458, 3623), (485, 3683), (506, 3779), (539, 3857),

Gene: Trixie_15 Start: 9087, Stop: 10874, Start Num: 51

Candidate Starts for Trixie_15:

(Start: 51 @9087 has 557 MA's), (102, 9195), (111, 9216), (136, 9324), (152, 9375), (161, 9411), (206, 9606), (207, 9609), (233, 9717), (Start: 245 @9807 has 1 MA's), (250, 9831), (286, 9963), (375, 10350), (405, 10449), (411, 10476), (412, 10479), (416, 10497), (445, 10593), (517, 10830), (533, 10857), (535, 10860), (537, 10863), (538, 10866),

Gene: Troje_4 Start: 1111, Stop: 2790, Start Num: 87

Candidate Starts for Troje_4:

(Start: 87 @1111 has 64 MA's), (Start: 110 @1162 has 1 MA's), (116, 1183), (138, 1222), (161, 1309), (Start: 169 @1354 has 2 MA's), (174, 1375), (175, 1384), (192, 1456), (204, 1507), (207, 1516), (217, 1567), (238, 1666), (240, 1687), (247, 1720), (257, 1756), (289, 1900), (299, 1936), (308, 1975), (312, 2008), (324, 2056), (333, 2113), (350, 2146), (367, 2179), (376, 2245), (378, 2251), (397, 2317), (401, 2329), (425, 2416), (452, 2512), (472, 2560), (494, 2635), (512, 2716), (535, 2776), (537, 2779),

Gene: Trooper_12 Start: 7244, Stop: 9031, Start Num: 51

Candidate Starts for Trooper_12:

(Start: 51 @7244 has 557 MA's), (102, 7352), (111, 7373), (132, 7463), (136, 7481), (152, 7532), (161, 7568), (171, 7622), (175, 7643), (183, 7676), (207, 7766), (215, 7805), (233, 7874), (Start: 245 @7964 has 1 MA's), (250, 7988), (278, 8105), (286, 8120), (375, 8507), (405, 8606), (411, 8633), (412, 8636), (416, 8654), (445, 8750), (517, 8987), (535, 9017),

Gene: Trouble_11 Start: 7310, Stop: 8998, Start Num: 51

Candidate Starts for Trouble_11:

(Start: 51 @7310 has 557 MA's), (Start: 143 @7490 has 2 MA's), (165, 7574), (170, 7610), (175, 7637), (207, 7760), (233, 7868), (Start: 245 @7958 has 1 MA's), (250, 7982), (258, 8009), (267, 8057), (287, 8126), (302, 8201), (306, 8213), (316, 8273), (382, 8498), (385, 8507), (389, 8519), (402, 8561), (407, 8582), (414, 8609), (445, 8717), (480, 8807), (503, 8912),

Gene: TroyPia_11 Start: 6884, Stop: 8581, Start Num: 51

Candidate Starts for TroyPia_11:

(Start: 51 @6884 has 557 MA's), (Start: 65 @6908 has 1 MA's), (Start: 117 @7031 has 2 MA's), (157, 7121), (165, 7154), (184, 7253), (206, 7337), (207, 7340), (215, 7379), (233, 7448), (236, 7472), (Start: 245 @7538 has 1 MA's), (265, 7628), (306, 7793), (324, 7880), (329, 7913), (354, 7979), (374, 8051), (375, 8054), (381, 8078), (399, 8129), (402, 8144), (411, 8183), (416, 8204), (445, 8300), (517, 8537), (535, 8567), (537, 8570),

Gene: TrvxScott_5 Start: 2201, Stop: 3847, Start Num: 39

Candidate Starts for TrvxScott_5:

(Start: 39 @2201 has 86 MA's), (96, 2297), (165, 2471), (166, 2495), (Start: 169 @2504 has 2 MA's), (192, 2597), (196, 2612), (201, 2639), (208, 2660), (231, 2747), (240, 2819), (Start: 245 @2843 has 1 MA's), (268, 2942), (276, 2978), (303, 3083), (319, 3119), (327, 3155), (330, 3173), (374, 3302), (375, 3305), (378, 3317), (380, 3326), (383, 3335), (399, 3389), (405, 3416), (411, 3443), (417, 3470), (433, 3524), (445, 3563), (452, 3584), (458, 3608), (467, 3632), (485, 3668), (506, 3764), (539, 3842),

Gene: TuanPN_6 Start: 2380, Stop: 4026, Start Num: 39

Candidate Starts for TuanPN_6:

(Start: 39 @2380 has 86 MA's), (Start: 49 @2398 has 10 MA's), (152, 2602), (161, 2638), (201, 2818), (208, 2839), (231, 2926), (240, 2998), (Start: 245 @3022 has 1 MA's), (268, 3121), (271, 3136), (278, 3160), (281, 3166), (327, 3334), (338, 3394), (375, 3484), (380, 3505), (405, 3595), (433, 3703), (445, 3742), (452, 3763), (454, 3769), (458, 3787), (506, 3943), (539, 4021),

Gene: Tubs_13 Start: 8109, Stop: 9896, Start Num: 51

Candidate Starts for Tubs_13:

(Start: 51 @8109 has 557 MA's), (Start: 60 @8124 has 10 MA's), (Start: 63 @8130 has 4 MA's), (114, 8241), (136, 8340), (175, 8502), (194, 8574), (207, 8628), (215, 8667), (233, 8739), (Start: 245 @8829 has 1 MA's), (250, 8853), (278, 8970), (286, 8985), (307, 9093), (323, 9168), (329, 9204), (343, 9264), (378, 9384), (384, 9405), (399, 9444), (411, 9498), (412, 9501), (416, 9519), (431, 9573), (439, 9603), (445, 9615), (480, 9705), (486, 9723), (517, 9852), (533, 9879), (535, 9882),

Gene: Tuck_3 Start: 1594, Stop: 3300, Start Num: 55

Candidate Starts for Tuck_3:

(Start: 55 @1594 has 34 MA's), (207, 2023), (218, 2071), (238, 2161), (263, 2293), (274, 2335), (337, 2587), (375, 2710), (433, 2929), (445, 2965), (449, 2980), (485, 3115), (506, 3211), (508, 3223),

Gene: Tucker_15 Start: 7533, Stop: 9287, Start Num: 51

Candidate Starts for Tucker_15:

(Start: 51 @7533 has 557 MA's), (114, 7665), (136, 7764), (146, 7788), (152, 7815), (161, 7851), (175, 7926), (207, 8049), (209, 8064), (215, 8088), (233, 8157), (236, 8181), (237, 8184), (Start: 245 @8247 has 1 MA's), (250, 8271), (284, 8400), (286, 8403), (308, 8514), (348, 8676), (375, 8763), (378, 8775), (381, 8787), (399, 8835), (402, 8850), (411, 8889), (416, 8910), (439, 8994), (445, 9006), (517, 9243), (533, 9270), (535, 9273),

Gene: Turab_2 Start: 537, Stop: 2243, Start Num: 55

Candidate Starts for Turab_2:

(Start: 55 @537 has 34 MA's), (Start: 110 @624 has 1 MA's), (193, 909), (207, 966), (210, 987), (218, 1014), (238, 1104), (274, 1278), (337, 1530), (375, 1653), (425, 1833), (445, 1908), (449, 1923), (485, 2058), (492, 2094), (502, 2142), (506, 2154), (508, 2166),

Gene: Turbido_14 Start: 7910, Stop: 9697, Start Num: 51

Candidate Starts for Turbido_14:

(Start: 51 @7910 has 557 MA's), (102, 8018), (111, 8039), (128, 8105), (129, 8111), (136, 8147), (146, 8171), (161, 8234), (206, 8429), (207, 8432), (233, 8540), (Start: 245 @8630 has 1 MA's), (250, 8654), (267, 8729), (278, 8771), (286, 8786), (350, 9086), (405, 9272), (411, 9299), (416, 9320), (445, 9416), (517, 9653), (535, 9683),

Gene: Turj99_10 Start: 6754, Stop: 8442, Start Num: 51

Candidate Starts for Turj99_10:

(Start: 51 @6754 has 557 MA's), (Start: 143 @6934 has 2 MA's), (165, 7018), (170, 7054), (207, 7204), (233, 7312), (Start: 245 @7402 has 1 MA's), (250, 7426), (267, 7501), (287, 7570), (306, 7657),

(316, 7717), (385, 7951), (389, 7963), (402, 8005), (407, 8026), (414, 8053), (445, 8161), (480, 8251), (503, 8356),

Gene: Tutumahutu_2 Start: 533, Stop: 2290, Start Num: 55

Candidate Starts for Tutumahutu_2:

(6, 242), (8, 251), (Start: 55 @533 has 34 MA's), (193, 905), (207, 962), (218, 1010), (238, 1100), (247, 1154), (274, 1274), (293, 1364), (337, 1526), (375, 1700), (445, 1955), (449, 1970), (467, 2024), (485, 2105), (502, 2189), (508, 2213),

Gene: Tweety19_3 Start: 1419, Stop: 3110, Start Num: 55

Candidate Starts for Tweety19_3:

(Start: 55 @1419 has 34 MA's), (83, 1449), (101, 1485), (148, 1596), (189, 1779), (193, 1791), (207, 1848), (229, 1932), (238, 1989), (366, 2478), (433, 2745), (445, 2781), (449, 2796), (485, 2925), (489, 2946), (508, 3033),

Gene: Twister_11 Start: 6715, Stop: 8406, Start Num: 51

Candidate Starts for Twister_11:

(Start: 51 @6715 has 557 MA's), (Start: 65 @6739 has 1 MA's), (Start: 117 @6862 has 2 MA's), (161, 6982), (165, 6994), (172, 7039), (184, 7093), (192, 7120), (196, 7135), (207, 7180), (215, 7219), (231, 7267), (233, 7288), (236, 7312), (Start: 245 @7363 has 1 MA's), (274, 7486), (306, 7618), (320, 7693), (329, 7738), (354, 7804), (375, 7879), (381, 7903), (402, 7969), (411, 8008), (412, 8011), (416, 8029), (445, 8125), (467, 8194), (517, 8362), (535, 8392), (537, 8395),

Gene: TwoPeat_11 Start: 7272, Stop: 8960, Start Num: 51

Candidate Starts for TwoPeat_11:

(Start: 51 @7272 has 557 MA's), (165, 7536), (166, 7560), (207, 7722), (213, 7755), (233, 7830), (Start: 245 @7920 has 1 MA's), (250, 7944), (258, 7971), (267, 8019), (287, 8088), (306, 8175), (307, 8184), (316, 8235), (385, 8469), (389, 8481), (402, 8523), (407, 8544), (414, 8571), (445, 8679), (480, 8769), (503, 8874),

Gene: TygerBlood_11 Start: 6886, Stop: 8583, Start Num: 51

Candidate Starts for TygerBlood_11:

(Start: 51 @6886 has 557 MA's), (Start: 65 @6910 has 1 MA's), (Start: 117 @7033 has 2 MA's), (157, 7123), (165, 7156), (184, 7255), (206, 7339), (207, 7342), (215, 7381), (233, 7450), (236, 7474), (Start: 245 @7540 has 1 MA's), (265, 7630), (306, 7795), (324, 7882), (329, 7915), (354, 7981), (374, 8053), (375, 8056), (381, 8080), (399, 8131), (402, 8146), (411, 8185), (416, 8206), (445, 8302), (517, 8539), (535, 8569), (537, 8572),

Gene: Typhonomachy_5 Start: 1113, Stop: 2792, Start Num: 87

Candidate Starts for Typhonomachy_5:

(Start: 87 @1113 has 64 MA's), (Start: 110 @1164 has 1 MA's), (116, 1185), (Start: 117 @1188 has 2 MA's), (140, 1230), (161, 1311), (174, 1377), (175, 1386), (192, 1458), (196, 1473), (204, 1509), (207, 1518), (217, 1569), (238, 1668), (247, 1722), (257, 1758), (289, 1902), (299, 1938), (312, 2010), (324, 2058), (329, 2091), (333, 2115), (350, 2148), (367, 2181), (374, 2238), (376, 2247), (401, 2331), (407, 2358), (425, 2418), (452, 2514), (481, 2586), (485, 2598), (512, 2718), (535, 2778), (537, 2781),

Gene: U2_11 Start: 6935, Stop: 8623, Start Num: 51

Candidate Starts for U2_11:

(Start: 51 @6935 has 557 MA's), (165, 7199), (166, 7223), (199, 7358), (207, 7385), (213, 7418), (233, 7493), (Start: 245 @7583 has 1 MA's), (250, 7607), (258, 7634), (267, 7682), (287, 7751), (306, 7838), (315, 7895), (316, 7898), (382, 8123), (385, 8132), (389, 8144), (402, 8186), (407, 8207), (414, 8234), (445, 8342), (480, 8432), (503, 8537),

Gene: Ugenie5_10 Start: 8142, Stop: 9929, Start Num: 51

Candidate Starts for Ugenie5_10:

(Start: 51 @8142 has 557 MA's), (Start: 60 @8157 has 10 MA's), (Start: 63 @8163 has 4 MA's), (114, 8274), (136, 8373), (175, 8535), (194, 8607), (207, 8661), (215, 8700), (233, 8772), (Start: 245 @8862 has 1 MA's), (250, 8886), (278, 9003), (286, 9018), (307, 9126), (323, 9201), (329, 9237), (343, 9297), (378, 9417), (384, 9438), (399, 9477), (411, 9531), (412, 9534), (416, 9552), (431, 9606), (439, 9636), (445, 9648), (480, 9738), (486, 9756), (517, 9885), (533, 9912), (535, 9915),

Gene: UhSalsa_8 Start: 3156, Stop: 4838, Start Num: 53

Candidate Starts for UhSalsa_8:

(Start: 53 @3156 has 36 MA's), (Start: 143 @3342 has 2 MA's), (161, 3414), (165, 3426), (166, 3450), (170, 3462), (207, 3615), (209, 3630), (227, 3690), (Start: 245 @3798 has 1 MA's), (258, 3855), (304, 4053), (308, 4071), (318, 4125), (356, 4236), (368, 4269), (375, 4311), (384, 4344), (405, 4413), (445, 4557), (458, 4602), (485, 4662), (506, 4761), (517, 4794), (533, 4821), (535, 4824), (537, 4827),

Gene: Ulysses_10 Start: 6603, Stop: 8300, Start Num: 51

Candidate Starts for Ulysses_10:

(Start: 51 @6603 has 557 MA's), (Start: 65 @6627 has 1 MA's), (Start: 117 @6750 has 2 MA's), (157, 6840), (165, 6873), (184, 6972), (206, 7056), (207, 7059), (215, 7098), (233, 7167), (236, 7191), (Start: 245 @7257 has 1 MA's), (265, 7347), (306, 7512), (324, 7599), (329, 7632), (354, 7698), (374, 7770), (375, 7773), (381, 7797), (399, 7848), (402, 7863), (411, 7902), (416, 7923), (445, 8019), (517, 8256), (535, 8286), (537, 8289),

Gene: UnionJack_9 Start: 5697, Stop: 7475, Start Num: 28

Candidate Starts for UnionJack_9:

(Start: 28 @5697 has 19 MA's), (Start: 31 @5724 has 29 MA's), (58, 5793), (Start: 72 @5832 has 1 MA's), (112, 5907), (114, 5913), (161, 6045), (175, 6120), (176, 6123), (221, 6297), (227, 6321), (Start: 245 @6429 has 1 MA's), (256, 6474), (271, 6552), (274, 6558), (310, 6723), (318, 6756), (324, 6777), (375, 6951), (402, 7038), (405, 7050), (411, 7077), (416, 7098), (439, 7182), (445, 7194), (516, 7428), (517, 7431), (537, 7464), (539, 7470),

Gene: Unstoppable_6 Start: 2420, Stop: 4048, Start Num: 49

Candidate Starts for Unstoppable_6:

(Start: 39 @2402 has 86 MA's), (Start: 49 @2420 has 10 MA's), (152, 2624), (Start: 169 @2705 has 2 MA's), (201, 2840), (208, 2861), (231, 2948), (240, 3020), (Start: 245 @3044 has 1 MA's), (268, 3143), (286, 3197), (313, 3296), (327, 3356), (378, 3518), (380, 3527), (405, 3617), (411, 3644), (432, 3722), (433, 3725), (445, 3764), (452, 3785), (454, 3791), (458, 3809), (492, 3905), (506, 3965),

Gene: Updawg_14 Start: 7926, Stop: 9713, Start Num: 51

Candidate Starts for Updawg_14:

(10, 7740), (25, 7842), (Start: 51 @7926 has 557 MA's), (102, 8034), (111, 8055), (132, 8145), (136, 8163), (194, 8394), (206, 8445), (207, 8448), (233, 8556), (Start: 245 @8646 has 1 MA's), (250, 8670), (286, 8802), (375, 9189), (411, 9315), (416, 9336), (439, 9420), (445, 9432), (517, 9669), (533, 9696), (535, 9699), (537, 9702), (538, 9705),

Gene: Urza_6 Start: 2578, Stop: 4239, Start Num: 39

Candidate Starts for Urza_6:

(Start: 39 @2578 has 86 MA's), (135, 2761), (148, 2797), (185, 2968), (201, 3031), (215, 3088), (231, 3139), (240, 3211), (Start: 245 @3235 has 1 MA's), (254, 3268), (261, 3304), (268, 3334), (274, 3355), (296, 3448), (313, 3487), (319, 3511), (327, 3547), (375, 3697), (380, 3718), (387, 3739), (412, 3838), (445, 3955), (458, 4000),

Gene: UtzChips_2 Start: 634, Stop: 2352, Start Num: 54

Candidate Starts for UtzChips_2:

(Start: 54 @634 has 35 MA's), (189, 1006), (201, 1057), (207, 1075), (238, 1225), (365, 1720), (445, 2026), (449, 2041), (492, 2206), (508, 2278),

Gene: VA6_12 Start: 7428, Stop: 9218, Start Num: 51

Candidate Starts for VA6_12:

(12, 7254), (Start: 51 @7428 has 557 MA's), (102, 7536), (111, 7557), (136, 7665), (207, 7953), (233, 8061), (Start: 245 @8151 has 1 MA's), (250, 8175), (278, 8292), (286, 8307), (350, 8607), (405, 8793), (411, 8820), (416, 8841), (445, 8937), (517, 9174), (533, 9201), (535, 9204),

Gene: VC3_15 Start: 7374, Stop: 9164, Start Num: 51

Candidate Starts for VC3_15:

(26, 7296), (38, 7347), (Start: 51 @7374 has 557 MA's), (102, 7482), (111, 7503), (128, 7569), (136, 7611), (146, 7635), (175, 7773), (206, 7893), (207, 7896), (233, 8007), (Start: 245 @8097 has 1 MA's), (250, 8121), (265, 8187), (275, 8223), (284, 8250), (286, 8253), (350, 8553), (375, 8640), (384, 8673), (405, 8739), (411, 8766), (416, 8787), (439, 8871), (445, 8883), (481, 8976), (486, 8991), (517, 9120), (533, 9147), (535, 9150),

Gene: VResidence_2 Start: 601, Stop: 2307, Start Num: 57

Candidate Starts for VResidence_2:

(Start: 57 @601 has 5 MA's), (Start: 63 @610 has 4 MA's), (83, 631), (Start: 110 @688 has 1 MA's), (207, 1030), (210, 1051), (218, 1078), (238, 1168), (241, 1192), (257, 1267), (274, 1342), (330, 1555), (337, 1594), (375, 1717), (433, 1936), (445, 1972), (449, 1987), (508, 2230),

Gene: VWB_2 Start: 559, Stop: 2169, Start Num: 114

Candidate Starts for VWB_2:

(Start: 85 @493 has 9 MA's), (114, 559), (156, 661), (159, 676), (175, 766), (190, 823), (192, 838), (196, 853), (207, 898), (248, 1093), (289, 1270), (308, 1345), (335, 1498), (354, 1525), (356, 1528), (367, 1549), (372, 1588), (387, 1651), (399, 1711), (402, 1726), (412, 1768), (414, 1774), (433, 1846), (435, 1852), (444, 1882), (450, 1903), (482, 1981), (497, 2035), (529, 2149),

Gene: Vanisoa_11 Start: 6197, Stop: 7987, Start Num: 51

Candidate Starts for Vanisoa_11:

(Start: 51 @6197 has 557 MA's), (Start: 60 @6212 has 10 MA's), (114, 6329), (136, 6428), (175, 6590), (182, 6623), (194, 6662), (207, 6716), (215, 6755), (233, 6827), (237, 6854), (Start: 245 @6917 has 1 MA's), (250, 6941), (278, 7058), (286, 7073), (307, 7181), (323, 7256), (344, 7355), (358, 7388), (378, 7472), (384, 7493), (411, 7589), (412, 7592), (416, 7610), (431, 7664), (439, 7694), (445, 7706), (481, 7799), (486, 7814), (498, 7865), (517, 7943), (533, 7970), (535, 7973),

Gene: Vanseggelen_9 Start: 2121, Stop: 3767, Start Num: 39

Candidate Starts for Vanseggelen_9:

(Start: 36 @2112 has 1 MA's), (Start: 39 @2121 has 86 MA's), (Start: 41 @2124 has 2 MA's), (Start: 49 @2139 has 10 MA's), (Start: 84 @2193 has 21 MA's), (152, 2343), (159, 2364), (185, 2496), (192, 2517), (196, 2532), (201, 2559), (204, 2568), (208, 2580), (231, 2667), (237, 2715), (238, 2718), (240, 2739), (Start: 245 @2763 has 1 MA's), (268, 2862), (313, 3015), (318, 3036), (327, 3075), (338, 3135), (375, 3225), (376, 3231), (380, 3246), (384, 3258), (399, 3309), (405, 3336), (411, 3363), (431, 3438), (445, 3483), (454, 3510), (458, 3528), (506, 3684),

Gene: VasuNzinga_35 Start: 10327, Stop: 12069, Start Num: 87

Candidate Starts for VasuNzinga_35:

(Start: 87 @10327 has 64 MA's), (139, 10444), (152, 10489), (160, 10555), (162, 10570), (166, 10603), (167, 10606), (171, 10621), (176, 10645), (177, 10648), (184, 10678), (190, 10699), (192, 10717), (195, 10726), (202, 10762), (207, 10777), (217, 10822), (231, 10864), (235, 10903), (238,

10915), (240, 10936), (251, 10987), (258, 11008), (312, 11230), (333, 11335), (334, 11344), (356, 11377), (367, 11398), (368, 11401), (371, 11428), (375, 11458), (378, 11470), (382, 11485), (385, 11494), (387, 11500), (397, 11542), (400, 11551), (403, 11566), (407, 11581), (425, 11641), (431, 11680), (441, 11713), (452, 11743), (453, 11746), (471, 11830), (485, 11884), (488, 11899), (495, 11926), (506, 11980), (533, 12052), (535, 12055),

Gene: Verabelle_7 Start: 2488, Stop: 4134, Start Num: 39

Candidate Starts for Verabelle_7:

(Start: 39 @2488 has 86 MA's), (Start: 49 @2506 has 10 MA's), (152, 2710), (Start: 169 @2791 has 2 MA's), (170, 2794), (201, 2926), (208, 2947), (231, 3034), (Start: 245 @3130 has 1 MA's), (265, 3217), (268, 3229), (286, 3283), (327, 3442), (330, 3460), (375, 3592), (380, 3613), (402, 3691), (405, 3703), (411, 3730), (433, 3811), (445, 3850), (454, 3877), (458, 3895), (510, 4072),

Gene: Veracruz_11 Start: 7044, Stop: 8741, Start Num: 51

Candidate Starts for Veracruz_11:

(Start: 51 @7044 has 557 MA's), (Start: 65 @7068 has 1 MA's), (165, 7314), (203, 7488), (207, 7500), (215, 7539), (220, 7551), (233, 7608), (236, 7632), (Start: 245 @7698 has 1 MA's), (247, 7707), (265, 7788), (274, 7821), (306, 7953), (308, 7965), (318, 8019), (324, 8040), (329, 8073), (348, 8127), (375, 8214), (381, 8238), (382, 8241), (384, 8247), (387, 8256), (402, 8304), (411, 8343), (412, 8346), (416, 8364), (445, 8460), (461, 8514), (507, 8667), (517, 8697), (535, 8727), (537, 8730),

Gene: Verse_6 Start: 2569, Stop: 4215, Start Num: 39

Candidate Starts for Verse_6:

(Start: 36 @2560 has 1 MA's), (Start: 39 @2569 has 86 MA's), (Start: 41 @2572 has 2 MA's), (Start: 49 @2587 has 10 MA's), (Start: 84 @2641 has 21 MA's), (96, 2665), (152, 2791), (Start: 169 @2872 has 2 MA's), (192, 2965), (196, 2980), (201, 3007), (204, 3016), (208, 3028), (231, 3115), (237, 3163), (Start: 245 @3211 has 1 MA's), (268, 3310), (278, 3349), (313, 3463), (318, 3484), (327, 3523), (375, 3673), (376, 3679), (380, 3694), (384, 3706), (399, 3757), (411, 3811), (432, 3889), (433, 3892), (445, 3931), (454, 3958), (458, 3976), (506, 4132),

Gene: VieEnRose_6 Start: 2652, Stop: 4313, Start Num: 39

Candidate Starts for VieEnRose_6:

(Start: 39 @2652 has 86 MA's), (135, 2835), (148, 2871), (185, 3042), (201, 3105), (215, 3162), (231, 3213), (240, 3285), (Start: 245 @3309 has 1 MA's), (254, 3342), (261, 3378), (268, 3408), (274, 3429), (296, 3522), (313, 3561), (319, 3585), (327, 3621), (338, 3681), (375, 3771), (380, 3792), (387, 3813), (412, 3912), (445, 4029), (458, 4074),

Gene: Vine_5 Start: 1901, Stop: 3577, Start Num: 87

Candidate Starts for Vine_5:

(Start: 87 @1901 has 64 MA's), (Start: 110 @1952 has 1 MA's), (116, 1973), (140, 2018), (152, 2060), (161, 2096), (174, 2162), (196, 2258), (204, 2294), (207, 2303), (208, 2306), (217, 2354), (220, 2366), (238, 2453), (248, 2510), (276, 2633), (289, 2687), (328, 2867), (333, 2900), (367, 2966), (376, 3032), (378, 3038), (402, 3122), (425, 3203), (431, 3236), (454, 3305), (485, 3383), (507, 3482), (512, 3503), (516, 3509), (535, 3563), (537, 3566),

Gene: Vix_13 Start: 7039, Stop: 8739, Start Num: 52

Candidate Starts for Vix_13:

(Start: 52 @7039 has 102 MA's), (71, 7087), (139, 7222), (184, 7414), (207, 7501), (Start: 245 @7699 has 1 MA's), (265, 7789), (284, 7852), (316, 8014), (375, 8212), (381, 8236), (382, 8239), (402, 8302), (405, 8314), (407, 8323), (416, 8362), (445, 8458), (461, 8512), (480, 8548), (517, 8695), (535, 8725), (537, 8728),

Gene: VohminGhazi_15 Start: 7533, Stop: 9287, Start Num: 51

Candidate Starts for VohminGhazi_15:

(Start: 51 @7533 has 557 MA's), (136, 7764), (152, 7815), (161, 7851), (175, 7926), (207, 8049), (215, 8088), (233, 8157), (236, 8181), (237, 8184), (Start: 245 @8247 has 1 MA's), (250, 8271), (274, 8370), (275, 8373), (284, 8400), (286, 8403), (354, 8688), (378, 8775), (381, 8787), (402, 8850), (411, 8889), (416, 8910), (439, 8994), (445, 9006), (517, 9243), (533, 9270), (535, 9273),

Gene: VroomVroom_2 Start: 553, Stop: 2283, Start Num: 39

Candidate Starts for VroomVroom_2:

(Start: 39 @553 has 86 MA's), (Start: 110 @667 has 1 MA's), (161, 811), (186, 931), (189, 940), (201, 991), (207, 1009), (218, 1057), (238, 1150), (293, 1414), (382, 1726), (425, 1879), (445, 1954), (449, 1969), (474, 2047), (485, 2098), (508, 2206), (535, 2269),

Gene: Waits_14 Start: 6653, Stop: 8350, Start Num: 51

Candidate Starts for Waits_14:

(Start: 51 @6653 has 557 MA's), (62, 6671), (139, 6833), (194, 7058), (207, 7112), (233, 7220), (237, 7247), (Start: 245 @7310 has 1 MA's), (250, 7334), (381, 7850), (402, 7913), (412, 7955), (445, 8069), (485, 8174), (517, 8306), (533, 8333), (535, 8336), (537, 8339),

Gene: WalterMcMickey_11 Start: 6715, Stop: 8406, Start Num: 51

Candidate Starts for WalterMcMickey_11:

(Start: 51 @6715 has 557 MA's), (Start: 65 @6739 has 1 MA's), (Start: 117 @6862 has 2 MA's), (161, 6982), (165, 6994), (172, 7039), (184, 7093), (192, 7120), (196, 7135), (207, 7180), (215, 7219), (231, 7267), (233, 7288), (236, 7312), (Start: 245 @7363 has 1 MA's), (274, 7486), (306, 7618), (320, 7693), (329, 7738), (354, 7804), (375, 7879), (381, 7903), (402, 7969), (411, 8008), (412, 8011), (416, 8029), (445, 8125), (467, 8194), (517, 8362), (535, 8392), (537, 8395),

Gene: Wander_11 Start: 6884, Stop: 8581, Start Num: 51

Candidate Starts for Wander_11:

(Start: 51 @6884 has 557 MA's), (Start: 65 @6908 has 1 MA's), (Start: 117 @7031 has 2 MA's), (157, 7121), (165, 7154), (184, 7253), (206, 7337), (207, 7340), (215, 7379), (233, 7448), (236, 7472), (Start: 245 @7538 has 1 MA's), (265, 7628), (306, 7793), (324, 7880), (329, 7913), (354, 7979), (374, 8051), (375, 8054), (381, 8078), (399, 8129), (402, 8144), (411, 8183), (416, 8204), (445, 8300), (517, 8537), (535, 8567), (537, 8570),

Gene: Warda_2 Start: 533, Stop: 2239, Start Num: 55

Candidate Starts for Warda_2:

(Start: 55 @533 has 34 MA's), (193, 905), (207, 962), (218, 1010), (238, 1100), (247, 1154), (274, 1274), (293, 1364), (337, 1526), (375, 1649), (445, 1904), (449, 1919), (485, 2054), (502, 2138), (508, 2162),

Gene: Watermelon_13 Start: 7861, Stop: 9549, Start Num: 51

Candidate Starts for Watermelon_13:

(Start: 51 @7861 has 557 MA's), (165, 8125), (166, 8149), (207, 8311), (213, 8344), (233, 8419), (Start: 245 @8509 has 1 MA's), (250, 8533), (258, 8560), (267, 8608), (287, 8677), (306, 8764), (316, 8824), (385, 9058), (389, 9070), (402, 9112), (407, 9133), (414, 9160), (445, 9268), (480, 9358), (503, 9463),

Gene: Watson_13 Start: 6949, Stop: 8649, Start Num: 52

Candidate Starts for Watson_13:

(Start: 52 @6949 has 102 MA's), (71, 6997), (139, 7132), (184, 7324), (207, 7411), (Start: 245 @7609 has 1 MA's), (265, 7699), (284, 7762), (316, 7924), (375, 8122), (381, 8146), (382, 8149), (402, 8212), (407, 8233), (416, 8272), (445, 8368), (461, 8422), (480, 8458), (517, 8605), (535, 8635), (537, 8638),

Gene: WeiHuaDA_18 Start: 9697, Stop: 11484, Start Num: 51

Candidate Starts for WeiHuaDA_18:

(Start: 51 @9697 has 557 MA's), (102, 9805), (111, 9826), (136, 9934), (152, 9985), (161, 10021), (206, 10216), (207, 10219), (233, 10327), (Start: 245 @10417 has 1 MA's), (250, 10441), (286, 10573), (375, 10960), (405, 11059), (411, 11086), (412, 11089), (416, 11107), (445, 11203), (517, 11440), (533, 11467), (535, 11470), (537, 11473), (538, 11476),

Gene: Werner_6 Start: 2377, Stop: 4023, Start Num: 39

Candidate Starts for Werner_6:

(Start: 39 @2377 has 86 MA's), (Start: 49 @2395 has 10 MA's), (Start: 117 @2527 has 2 MA's), (152, 2599), (161, 2635), (201, 2815), (208, 2836), (219, 2881), (231, 2923), (240, 2995), (Start: 245 @3019 has 1 MA's), (268, 3118), (271, 3133), (278, 3157), (281, 3163), (327, 3331), (375, 3481), (380, 3502), (399, 3565), (405, 3592), (433, 3700), (445, 3739), (452, 3760), (454, 3766), (458, 3784), (492, 3880), (506, 3940), (539, 4018),

Gene: Whabigail7_14 Start: 7898, Stop: 9685, Start Num: 51

Candidate Starts for Whabigail7_14:

(Start: 51 @7898 has 557 MA's), (102, 8006), (111, 8027), (128, 8093), (129, 8099), (136, 8135), (146, 8159), (161, 8222), (206, 8417), (207, 8420), (233, 8528), (Start: 245 @8618 has 1 MA's), (250, 8642), (267, 8717), (278, 8759), (286, 8774), (350, 9074), (405, 9260), (411, 9287), (416, 9308), (445, 9404), (517, 9641), (535, 9671),

Gene: Whatever_6 Start: 2377, Stop: 4023, Start Num: 39

Candidate Starts for Whatever_6:

(Start: 39 @2377 has 86 MA's), (Start: 49 @2395 has 10 MA's), (Start: 117 @2527 has 2 MA's), (152, 2599), (161, 2635), (201, 2815), (208, 2836), (219, 2881), (231, 2923), (240, 2995), (Start: 245 @3019 has 1 MA's), (268, 3118), (271, 3133), (278, 3157), (281, 3163), (327, 3331), (375, 3481), (380, 3502), (399, 3565), (405, 3592), (433, 3700), (445, 3739), (452, 3760), (454, 3766), (458, 3784), (492, 3880), (506, 3940), (539, 4018),

Gene: Wheeler_11 Start: 7027, Stop: 8715, Start Num: 51

Candidate Starts for Wheeler_11:

(Start: 51 @7027 has 557 MA's), (165, 7291), (166, 7315), (207, 7477), (213, 7510), (233, 7585), (Start: 245 @7675 has 1 MA's), (250, 7699), (258, 7726), (267, 7774), (306, 7930), (316, 7990), (385, 8224), (389, 8236), (402, 8278), (407, 8299), (414, 8326), (445, 8434), (480, 8524), (503, 8629),

Gene: Whitty_3 Start: 724, Stop: 2607, Start Num: 39

Candidate Starts for Whitty_3:

(9, 475), (Start: 39 @724 has 86 MA's), (Start: 75 @805 has 1 MA's), (83, 814), (120, 910), (124, 922), (161, 1054), (195, 1201), (196, 1207), (201, 1234), (207, 1252), (224, 1315), (248, 1450), (290, 1651), (311, 1708), (376, 1927), (394, 1978), (396, 2002), (408, 2053), (434, 2182), (441, 2221), (445, 2230), (460, 2281), (469, 2320), (481, 2407), (485, 2419), (505, 2512), (508, 2527), (509, 2530),

Gene: WideWale_14 Start: 7926, Stop: 9713, Start Num: 51

Candidate Starts for WideWale_14:

(10, 7740), (25, 7842), (Start: 51 @7926 has 557 MA's), (102, 8034), (111, 8055), (132, 8145), (136, 8163), (194, 8394), (206, 8445), (207, 8448), (233, 8556), (Start: 245 @8646 has 1 MA's), (250, 8670), (286, 8802), (375, 9189), (411, 9315), (416, 9336), (439, 9420), (445, 9432), (517, 9669), (533, 9696), (535, 9699), (537, 9702), (538, 9705),

Gene: Wiks_15 Start: 7514, Stop: 9268, Start Num: 51

Candidate Starts for Wiks_15:

(Start: 51 @7514 has 557 MA's), (114, 7646), (136, 7745), (146, 7769), (152, 7796), (161, 7832), (175, 7907), (207, 8030), (209, 8045), (215, 8069), (233, 8138), (236, 8162), (237, 8165), (Start: 245 @8228 has 1 MA's), (250, 8252), (284, 8381), (286, 8384), (308, 8495), (348, 8657), (375, 8744), (378, 8756), (381, 8768), (399, 8816), (402, 8831), (411, 8870), (416, 8891), (439, 8975), (445, 8987), (517, 9224), (533, 9251), (535, 9254),

Gene: Wilbur_11 Start: 6883, Stop: 8580, Start Num: 51

Candidate Starts for Wilbur_11:

(Start: 51 @6883 has 557 MA's), (Start: 65 @6907 has 1 MA's), (Start: 117 @7030 has 2 MA's), (157, 7120), (165, 7153), (184, 7252), (206, 7336), (207, 7339), (215, 7378), (233, 7447), (236, 7471), (Start: 245 @7537 has 1 MA's), (265, 7627), (306, 7792), (324, 7879), (329, 7912), (354, 7978), (374, 8050), (375, 8053), (381, 8077), (399, 8128), (402, 8143), (411, 8182), (416, 8203), (445, 8299), (517, 8536), (535, 8566), (537, 8569),

Gene: Wildwest_3 Start: 1478, Stop: 3184, Start Num: 55

Candidate Starts for Wildwest_3:

(6, 1187), (7, 1190), (Start: 55 @1478 has 34 MA's), (67, 1499), (101, 1544), (207, 1907), (218, 1955), (238, 2045), (274, 2219), (330, 2432), (337, 2471), (375, 2594), (399, 2678), (431, 2807), (433, 2813), (445, 2849), (449, 2864), (485, 2999), (506, 3095), (508, 3107),

Gene: Wile_11 Start: 6894, Stop: 8591, Start Num: 51

Candidate Starts for Wile_11:

(Start: 51 @6894 has 557 MA's), (Start: 65 @6918 has 1 MA's), (165, 7164), (185, 7269), (206, 7347), (207, 7350), (215, 7389), (233, 7458), (236, 7482), (Start: 245 @7548 has 1 MA's), (265, 7638), (306, 7803), (313, 7848), (324, 7890), (329, 7923), (354, 7989), (374, 8061), (375, 8064), (381, 8088), (402, 8154), (411, 8193), (416, 8214), (445, 8310), (516, 8544), (517, 8547), (535, 8577), (537, 8580),

Gene: Wilkins_11 Start: 6738, Stop: 8426, Start Num: 51

Candidate Starts for Wilkins_11:

(Start: 51 @6738 has 557 MA's), (165, 7002), (166, 7026), (207, 7188), (213, 7221), (233, 7296), (Start: 245 @7386 has 1 MA's), (250, 7410), (258, 7437), (267, 7485), (306, 7641), (307, 7650), (315, 7698), (316, 7701), (382, 7926), (385, 7935), (389, 7947), (402, 7989), (407, 8010), (414, 8037), (445, 8145), (480, 8235), (503, 8340),

Gene: WilliamBoone_30 Start: 8027, Stop: 9775, Start Num: 84

Candidate Starts for WilliamBoone_30:

(Start: 84 @8027 has 21 MA's), (99, 8057), (123, 8132), (150, 8186), (152, 8198), (158, 8216), (170, 8282), (180, 8372), (187, 8411), (195, 8435), (206, 8483), (257, 8732), (260, 8750), (314, 8960), (319, 8975), (362, 9143), (375, 9224), (381, 9248), (404, 9335), (431, 9440), (445, 9482), (456, 9518), (466, 9542), (470, 9557), (520, 9731), (526, 9737),

Gene: Wizard007_11 Start: 6886, Stop: 8583, Start Num: 51

Candidate Starts for Wizard007_11:

(Start: 51 @6886 has 557 MA's), (Start: 65 @6910 has 1 MA's), (Start: 117 @7033 has 2 MA's), (157, 7123), (165, 7156), (184, 7255), (206, 7339), (207, 7342), (215, 7381), (233, 7450), (236, 7474), (Start: 245 @7540 has 1 MA's), (265, 7630), (306, 7795), (324, 7882), (329, 7915), (354, 7981), (374, 8053), (375, 8056), (381, 8080), (399, 8131), (402, 8146), (411, 8185), (416, 8206), (445, 8302), (517, 8539), (535, 8569), (537, 8572),

Gene: Wooldri_15 Start: 6868, Stop: 8568, Start Num: 52

Candidate Starts for Wooldri_15:

(Start: 52 @6868 has 102 MA's), (71, 6916), (139, 7051), (184, 7243), (207, 7330), (Start: 245 @7528 has 1 MA's), (265, 7618), (284, 7681), (316, 7843), (375, 8041), (381, 8065), (382, 8068), (402, 8131),

(407, 8152), (416, 8191), (445, 8287), (461, 8341), (480, 8377), (517, 8524), (535, 8554), (537, 8557),

Gene: Wrigley_2 Start: 485, Stop: 2281, Start Num: 52

Candidate Starts for Wrigley_2:

(Start: 52 @485 has 102 MA's), (113, 611), (115, 620), (159, 779), (161, 794), (178, 878), (189, 920), (191, 926), (192, 929), (200, 968), (207, 989), (230, 1073), (238, 1127), (239, 1145), (247, 1181), (262, 1256), (275, 1307), (279, 1328), (297, 1409), (314, 1454), (324, 1487), (333, 1544), (368, 1613), (378, 1667), (382, 1682), (384, 1688), (387, 1697), (397, 1736), (402, 1754), (405, 1766), (433, 1904), (439, 1940), (445, 1952), (446, 1958), (454, 1976), (461, 2003), (469, 2027), (484, 2090), (492, 2132), (505, 2189), (514, 2219), (524, 2243), (535, 2267), (537, 2270),

Gene: WunderPhul_15 Start: 7514, Stop: 9268, Start Num: 51

Candidate Starts for WunderPhul_15:

(Start: 51 @7514 has 557 MA's), (114, 7646), (136, 7745), (146, 7769), (152, 7796), (161, 7832), (175, 7907), (207, 8030), (209, 8045), (215, 8069), (233, 8138), (236, 8162), (237, 8165), (Start: 245 @8228 has 1 MA's), (250, 8252), (284, 8381), (286, 8384), (308, 8495), (348, 8657), (375, 8744), (378, 8756), (381, 8768), (399, 8816), (402, 8831), (411, 8870), (416, 8891), (439, 8975), (445, 8987), (517, 9224), (533, 9251), (535, 9254),

Gene: Xena_11 Start: 6881, Stop: 8578, Start Num: 51

Candidate Starts for Xena_11:

(Start: 51 @6881 has 557 MA's), (Start: 65 @6905 has 1 MA's), (165, 7151), (185, 7256), (206, 7334), (207, 7337), (215, 7376), (233, 7445), (236, 7469), (Start: 245 @7535 has 1 MA's), (265, 7625), (306, 7790), (313, 7835), (324, 7877), (329, 7910), (354, 7976), (374, 8048), (375, 8051), (381, 8075), (402, 8141), (411, 8180), (416, 8201), (445, 8297), (516, 8531), (517, 8534), (535, 8564), (537, 8567),

Gene: XianYue_12 Start: 7369, Stop: 9150, Start Num: 51

Candidate Starts for XianYue_12:

(21, 7249), (38, 7342), (Start: 51 @7369 has 557 MA's), (114, 7501), (Start: 117 @7513 has 2 MA's), (132, 7582), (136, 7600), (206, 7882), (207, 7885), (215, 7924), (233, 7993), (Start: 245 @8083 has 1 MA's), (250, 8107), (274, 8206), (284, 8236), (286, 8239), (375, 8626), (405, 8725), (411, 8752), (416, 8773), (439, 8857), (445, 8869), (517, 9106), (533, 9133), (535, 9136), (537, 9139), (538, 9142),

Gene: Yakult_5 Start: 1064, Stop: 2764, Start Num: 85

Candidate Starts for Yakult_5:

(Start: 85 @1064 has 9 MA's), (Start: 110 @1118 has 1 MA's), (116, 1139), (125, 1166), (194, 1430), (196, 1439), (198, 1454), (204, 1475), (207, 1484), (217, 1535), (220, 1547), (238, 1634), (257, 1724), (275, 1802), (289, 1868), (299, 1904), (333, 2081), (376, 2213), (412, 2342), (425, 2381), (426, 2387), (506, 2657), (518, 2699), (535, 2750), (537, 2753),

Gene: Yang_2 Start: 545, Stop: 2242, Start Num: 55

Candidate Starts for Yang_2:

(6, 242), (Start: 55 @545 has 34 MA's), (Start: 110 @632 has 1 MA's), (193, 917), (207, 974), (215, 1016), (238, 1112), (247, 1166), (274, 1286), (293, 1376), (375, 1661), (405, 1772), (425, 1841), (445, 1916), (449, 1931), (485, 2057), (502, 2141), (508, 2165),

Gene: Yarn_3 Start: 1114, Stop: 2793, Start Num: 87

Candidate Starts for Yarn_3:

(Start: 87 @1114 has 64 MA's), (Start: 110 @1165 has 1 MA's), (116, 1186), (Start: 117 @1189 has 2 MA's), (140, 1231), (159, 1297), (Start: 169 @1357 has 2 MA's), (174, 1378), (175, 1387), (196, 1474), (204, 1510), (207, 1519), (217, 1570), (238, 1669), (240, 1690), (247, 1723), (257, 1759), (289, 1903), (299, 1939), (308, 1978), (334, 2125), (350, 2149), (376, 2248), (401, 2332), (425, 2419), (452, 2515), (472, 2563), (481, 2587), (494, 2638), (512, 2719), (535, 2779), (537, 2782),

Gene: Yasdni1_6 Start: 2376, Stop: 4022, Start Num: 39

Candidate Starts for Yasdni1_6:

(Start: 39 @2376 has 86 MA's), (Start: 49 @2394 has 10 MA's), (152, 2598), (161, 2634), (201, 2814), (208, 2835), (231, 2922), (240, 2994), (Start: 245 @3018 has 1 MA's), (268, 3117), (271, 3132), (278, 3156), (281, 3162), (327, 3330), (338, 3390), (375, 3480), (380, 3501), (405, 3591), (433, 3699), (445, 3738), (452, 3759), (454, 3765), (458, 3783), (506, 3939), (539, 4017),

Gene: Yecey3_12 Start: 6313, Stop: 8085, Start Num: 60

Candidate Starts for Yecey3_12:

(Start: 60 @6313 has 10 MA's), (114, 6430), (136, 6529), (175, 6691), (194, 6763), (207, 6817), (215, 6856), (233, 6928), (Start: 245 @7018 has 1 MA's), (247, 7027), (250, 7042), (278, 7159), (286, 7174), (307, 7282), (323, 7357), (329, 7393), (343, 7453), (358, 7489), (366, 7513), (384, 7594), (399, 7633), (411, 7687), (416, 7708), (439, 7792), (445, 7804), (481, 7897), (486, 7912), (498, 7963), (517, 8041), (533, 8068), (535, 8071),

Gene: YesChef_2 Start: 533, Stop: 2290, Start Num: 55

Candidate Starts for YesChef_2:

(6, 242), (8, 251), (Start: 55 @533 has 34 MA's), (193, 905), (207, 962), (218, 1010), (238, 1100), (247, 1154), (274, 1274), (293, 1364), (337, 1526), (375, 1700), (445, 1955), (449, 1970), (467, 2024), (485, 2105), (502, 2189), (508, 2213),

Gene: YoSam321_11 Start: 6884, Stop: 8581, Start Num: 51

Candidate Starts for YoSam321_11:

(13, 6707), (17, 6725), (Start: 19 @6755 has 1 MA's), (Start: 51 @6884 has 557 MA's), (Start: 65 @6908 has 1 MA's), (Start: 117 @7031 has 2 MA's), (157, 7121), (165, 7154), (206, 7337), (207, 7340), (215, 7379), (233, 7448), (236, 7472), (Start: 245 @7538 has 1 MA's), (265, 7628), (306, 7793), (324, 7880), (329, 7913), (354, 7979), (374, 8051), (375, 8054), (381, 8078), (399, 8129), (402, 8144), (411, 8183), (416, 8204), (445, 8300), (517, 8537), (535, 8567), (537, 8570),

Gene: Yogi_8 Start: 3156, Stop: 4838, Start Num: 53

Candidate Starts for Yogi_8:

(Start: 53 @3156 has 36 MA's), (Start: 143 @3342 has 2 MA's), (161, 3414), (165, 3426), (166, 3450), (170, 3462), (209, 3630), (227, 3690), (236, 3747), (237, 3750), (Start: 245 @3798 has 1 MA's), (304, 4053), (308, 4071), (318, 4125), (368, 4269), (375, 4311), (384, 4344), (405, 4413), (445, 4557), (458, 4602), (485, 4662), (506, 4761), (517, 4794), (533, 4821), (535, 4824), (537, 4827),

Gene: Yokurt_15 Start: 7514, Stop: 9268, Start Num: 51

Candidate Starts for Yokurt_15:

(Start: 51 @7514 has 557 MA's), (114, 7646), (136, 7745), (146, 7769), (152, 7796), (161, 7832), (175, 7907), (207, 8030), (209, 8045), (215, 8069), (233, 8138), (236, 8162), (237, 8165), (Start: 245 @8228 has 1 MA's), (250, 8252), (284, 8381), (286, 8384), (308, 8495), (348, 8657), (375, 8744), (378, 8756), (381, 8768), (399, 8816), (402, 8831), (411, 8870), (416, 8891), (439, 8975), (445, 8987), (517, 9224), (533, 9251), (535, 9254),

Gene: Yoncess_8 Start: 3156, Stop: 4838, Start Num: 53

Candidate Starts for Yoncess_8:

(Start: 53 @3156 has 36 MA's), (Start: 143 @3342 has 2 MA's), (161, 3414), (165, 3426), (166, 3450), (170, 3462), (209, 3630), (227, 3690), (236, 3747), (237, 3750), (Start: 245 @3798 has 1 MA's), (304, 4053), (308, 4071), (318, 4125), (368, 4269), (375, 4311), (384, 4344), (405, 4413), (445, 4557), (458, 4602), (485, 4662), (506, 4761), (517, 4794), (533, 4821), (535, 4824), (537, 4827),

Gene: Yosif_7 Start: 2837, Stop: 4483, Start Num: 39

Candidate Starts for Yosif_7:

(33, 2822), (Start: 36 @2828 has 1 MA's), (Start: 39 @2837 has 86 MA's), (Start: 41 @2840 has 2 MA's), (Start: 49 @2855 has 10 MA's), (152, 3059), (161, 3095), (Start: 169 @3140 has 2 MA's), (170, 3143), (196, 3248), (201, 3275), (203, 3281), (204, 3284), (208, 3296), (231, 3383), (237, 3431), (Start: 245 @3479 has 1 MA's), (268, 3578), (296, 3692), (313, 3731), (318, 3752), (327, 3791), (375, 3941), (380, 3962), (384, 3974), (399, 4025), (411, 4079), (433, 4160), (445, 4199), (454, 4226), (458, 4244), (506, 4400), (539, 4478),

Gene: Yummy_5 Start: 1017, Stop: 2696, Start Num: 87

Candidate Starts for Yummy_5:

(Start: 87 @1017 has 64 MA's), (Start: 110 @1068 has 1 MA's), (116, 1089), (138, 1128), (161, 1215), (Start: 169 @1260 has 2 MA's), (174, 1281), (175, 1290), (192, 1362), (204, 1413), (207, 1422), (217, 1473), (238, 1572), (240, 1593), (247, 1626), (257, 1662), (289, 1806), (299, 1842), (308, 1881), (312, 1914), (324, 1962), (333, 2019), (350, 2052), (367, 2085), (376, 2151), (378, 2157), (397, 2223), (401, 2235), (402, 2241), (425, 2322), (452, 2418), (472, 2466), (494, 2541), (512, 2622), (535, 2682), (537, 2685),

Gene: Yvonnetastic_28 Start: 10462, Stop: 12180, Start Num: 84

Candidate Starts for Yvonnetastic_28:

(Start: 84 @10462 has 21 MA's), (100, 10498), (142, 10594), (180, 10807), (184, 10834), (187, 10846), (195, 10870), (222, 10984), (260, 11179), (270, 11227), (292, 11329), (314, 11389), (319, 11404), (378, 11647), (400, 11728), (405, 11749), (411, 11776), (431, 11851), (445, 11893), (505, 12094), (515, 12127),

Gene: Zainub_11 Start: 2746, Stop: 4392, Start Num: 39

Candidate Starts for Zainub_11:

(Start: 39 @2746 has 86 MA's), (Start: 117 @2896 has 2 MA's), (165, 3016), (166, 3040), (192, 3142), (201, 3184), (203, 3190), (208, 3205), (231, 3292), (240, 3364), (Start: 245 @3388 has 1 MA's), (268, 3487), (276, 3523), (286, 3541), (319, 3664), (327, 3700), (339, 3763), (375, 3850), (380, 3871), (384, 3883), (405, 3961), (411, 3988), (433, 4069), (445, 4108), (452, 4129), (458, 4153), (485, 4213), (506, 4309),

Gene: Zaka_15 Start: 7514, Stop: 9268, Start Num: 51

Candidate Starts for Zaka_15:

(Start: 51 @7514 has 557 MA's), (114, 7646), (136, 7745), (146, 7769), (152, 7796), (161, 7832), (175, 7907), (207, 8030), (209, 8045), (215, 8069), (233, 8138), (236, 8162), (237, 8165), (Start: 245 @8228 has 1 MA's), (250, 8252), (284, 8381), (286, 8384), (308, 8495), (348, 8657), (375, 8744), (378, 8756), (381, 8768), (399, 8816), (402, 8831), (411, 8870), (416, 8891), (439, 8975), (445, 8987), (517, 9224), (533, 9251), (535, 9254),

Gene: Zareef_7 Start: 2020, Stop: 3690, Start Num: 101

Candidate Starts for Zareef_7:

(Start: 87 @1990 has 64 MA's), (101, 2020), (116, 2062), (161, 2200), (170, 2248), (176, 2278), (184, 2311), (192, 2347), (196, 2362), (198, 2377), (207, 2407), (217, 2458), (238, 2557), (240, 2578), (257, 2647), (265, 2689), (273, 2719), (308, 2866), (315, 2917), (329, 2980), (333, 3004), (366, 3070), (371, 3103), (373, 3127), (374, 3130), (376, 3139), (382, 3160), (391, 3187), (402, 3232), (405, 3244), (406, 3250), (411, 3271), (422, 3310), (452, 3409), (462, 3445), (494, 3532), (512, 3613), (516, 3619), (535, 3676), (537, 3679),

Gene: Zeeculate_10 Start: 6722, Stop: 8410, Start Num: 51

Candidate Starts for Zeeculate_10:

(Start: 51 @6722 has 557 MA's), (165, 6986), (166, 7010), (207, 7172), (213, 7205), (233, 7280), (Start: 245 @7370 has 1 MA's), (250, 7394), (258, 7421), (267, 7469), (306, 7625), (316, 7685), (362,

7817), (382, 7910), (385, 7919), (389, 7931), (402, 7973), (407, 7994), (414, 8021), (445, 8129), (480, 8219), (503, 8324),

Gene: Zemlya_7 Start: 2376, Stop: 4022, Start Num: 39

Candidate Starts for Zemlya_7:

(Start: 39 @2376 has 86 MA's), (Start: 49 @2394 has 10 MA's), (152, 2598), (161, 2634), (201, 2814), (208, 2835), (219, 2880), (231, 2922), (240, 2994), (Start: 245 @3018 has 1 MA's), (268, 3117), (271, 3132), (278, 3156), (281, 3162), (327, 3330), (375, 3480), (380, 3501), (384, 3513), (405, 3591), (433, 3699), (445, 3738), (452, 3759), (454, 3765), (458, 3783), (506, 3939),

Gene: ZenTime222_3 Start: 724, Stop: 2607, Start Num: 39

Candidate Starts for ZenTime222_3:

(9, 475), (Start: 39 @724 has 86 MA's), (Start: 75 @805 has 1 MA's), (83, 814), (120, 910), (124, 922), (161, 1054), (195, 1201), (196, 1207), (201, 1234), (207, 1252), (224, 1315), (248, 1450), (290, 1651), (311, 1708), (376, 1927), (394, 1978), (396, 2002), (408, 2053), (434, 2182), (441, 2221), (445, 2230), (460, 2281), (469, 2320), (481, 2407), (485, 2419), (505, 2512), (508, 2527), (509, 2530),

Gene: Zephyr_11 Start: 6863, Stop: 8551, Start Num: 51

Candidate Starts for Zephyr_11:

(Start: 51 @6863 has 557 MA's), (Start: 143 @7043 has 2 MA's), (165, 7127), (170, 7163), (175, 7190), (207, 7313), (233, 7421), (Start: 245 @7511 has 1 MA's), (250, 7535), (258, 7562), (267, 7610), (287, 7679), (306, 7766), (316, 7826), (382, 8051), (385, 8060), (389, 8072), (402, 8114), (407, 8135), (414, 8162), (445, 8270), (480, 8360), (503, 8465),

Gene: Zeta1847_2 Start: 478, Stop: 2175, Start Num: 54

Candidate Starts for Zeta1847_2:

(Start: 54 @478 has 35 MA's), (146, 649), (153, 676), (159, 688), (175, 778), (189, 832), (207, 901), (218, 949), (412, 1726), (445, 1840), (508, 2098),

Gene: Zetzy_12 Start: 6522, Stop: 8222, Start Num: 52

Candidate Starts for Zetzy_12:

(Start: 52 @6522 has 102 MA's), (71, 6570), (Start: 110 @6642 has 1 MA's), (139, 6705), (207, 6984), (Start: 245 @7182 has 1 MA's), (265, 7272), (284, 7335), (316, 7497), (375, 7695), (381, 7719), (382, 7722), (402, 7785), (405, 7797), (407, 7806), (416, 7845), (445, 7941), (461, 7995), (480, 8031), (517, 8178), (535, 8208), (537, 8211),

Gene: Zeuska_12 Start: 7541, Stop: 9229, Start Num: 51

Candidate Starts for Zeuska_12:

(Start: 51 @7541 has 557 MA's), (Start: 143 @7721 has 2 MA's), (165, 7805), (170, 7841), (175, 7868), (207, 7991), (233, 8099), (Start: 245 @8189 has 1 MA's), (250, 8213), (258, 8240), (267, 8288), (287, 8357), (306, 8444), (316, 8504), (382, 8729), (385, 8738), (389, 8750), (402, 8792), (407, 8813), (414, 8840), (445, 8948), (480, 9038), (503, 9143),

Gene: Zimmer_14 Start: 9025, Stop: 10809, Start Num: 51

Candidate Starts for Zimmer_14:

(38, 8998), (Start: 51 @9025 has 557 MA's), (114, 9157), (130, 9223), (136, 9256), (161, 9343), (194, 9487), (207, 9541), (215, 9580), (233, 9652), (Start: 245 @9742 has 1 MA's), (250, 9766), (274, 9865), (278, 9883), (286, 9898), (313, 10042), (358, 10213), (375, 10285), (399, 10357), (402, 10372), (416, 10432), (445, 10528), (480, 10618), (516, 10762), (517, 10765), (533, 10792), (535, 10795), (537, 10798),

Gene: Zolita_8 Start: 6266, Stop: 8017, Start Num: 31

Candidate Starts for Zolita_8:

(Start: 28 @6239 has 19 MA's), (Start: 31 @6266 has 29 MA's), (58, 6335), (Start: 72 @6374 has 1 MA's), (112, 6449), (114, 6455), (161, 6587), (175, 6662), (176, 6665), (194, 6731), (221, 6839), (227, 6863), (Start: 245 @6971 has 1 MA's), (256, 7016), (271, 7094), (274, 7100), (275, 7103), (310, 7265), (311, 7271), (318, 7298), (375, 7493), (381, 7517), (402, 7580), (405, 7592), (411, 7619), (416, 7640), (431, 7694), (439, 7724), (445, 7736), (517, 7973), (537, 8006), (539, 8012),

Gene: Zulu_15 Start: 7513, Stop: 9267, Start Num: 51

Candidate Starts for Zulu_15:

(Start: 51 @7513 has 557 MA's), (114, 7645), (136, 7744), (146, 7768), (152, 7795), (161, 7831), (175, 7906), (207, 8029), (209, 8044), (215, 8068), (233, 8137), (236, 8161), (237, 8164), (Start: 245 @8227 has 1 MA's), (250, 8251), (284, 8380), (286, 8383), (308, 8494), (348, 8656), (375, 8743), (378, 8755), (381, 8767), (399, 8815), (402, 8830), (411, 8869), (416, 8890), (439, 8974), (445, 8986), (517, 9223), (533, 9250), (535, 9253),

Gene: phiCAM_06 Start: 2516, Stop: 4162, Start Num: 39

Candidate Starts for phiCAM_06:

(Start: 36 @2507 has 1 MA's), (Start: 39 @2516 has 86 MA's), (Start: 41 @2519 has 2 MA's), (Start: 49 @2534 has 10 MA's), (Start: 84 @2588 has 21 MA's), (96, 2612), (152, 2738), (159, 2759), (161, 2774), (192, 2912), (196, 2927), (201, 2954), (204, 2963), (208, 2975), (231, 3062), (233, 3083), (237, 3110), (Start: 245 @3158 has 1 MA's), (268, 3257), (313, 3410), (318, 3431), (327, 3470), (375, 3620), (376, 3626), (380, 3641), (384, 3653), (399, 3704), (411, 3758), (445, 3878), (454, 3905), (458, 3923), (506, 4079),

Gene: phiSASD1_22 Start: 558, Stop: 2168, Start Num: 97

Candidate Starts for phiSASD1_22:

(Start: 97 @558 has 1 MA's), (107, 582), (140, 651), (151, 684), (159, 735), (162, 753), (164, 759), (184, 924), (198, 981), (200, 990), (207, 1011), (212, 1041), (220, 1059), (223, 1068), (243, 1182), (248, 1203), (252, 1224), (258, 1239), (291, 1365), (333, 1521), (364, 1590), (379, 1662), (405, 1770), (411, 1797), (429, 1839), (438, 1875), (448, 1902), (451, 1908), (488, 2013), (503, 2082), (504, 2085), (506, 2091), (535, 2157),