

Pham 202655

1: Indlovu_45		17	25	38	45	49	52	72	75	78	89	100	107	114	115	122	133																																																								
2: Vincenzo_44 + 1		16	23	34	40	43	47	49	56	73	75	78	85	98	98	100	106	113	115	117	128	136	138	146																																																	
3: Austelle_44 + 2		16	23	34	40	43	47	49	56	73	75	78	85	98	98	100	106	113	115	117	128	136	138	146																																																	
4: Prince_43 + 3		16	23	34	40	43	47	49	56	72	75	78	85	98	98	100	106	113	115	117	128	136	138	146																																																	
5: Zemanar_44 + 14		16	23	34	40	43	47	49	56	72	75	78	85	98	98	100	106	113	115	117	128	136	138	146																																																	
6: Waleliano_43		16	23	34	40	43	47	49	56	73	75	78	85	98	98	100	106	113	115	117	128	136	138	146																																																	
7: BrownCNA_45		16	23	34	40	43	47	49	56	73	75	78	85	98	98	100	106	113	115	117	128	136	138	146																																																	
8: Mudslide_43		16	23	34	40	43	47	49	56	75	75	78	85	98	98	100	106	113	115	117	128	136	138	146																																																	
9: Heath_42		16	23	34	40	43	47	49	56	73	75	78	85	98	98	100	106	113	115	117	128	136	138	146																																																	
10: JAMaL_43		16	19	23	34	40	43	47	49	56	68	73	75	78	85	98	98	100	106	112	115	117	128	136	138	143	146																																														
11: JaguarMi_43 + 1		16	19	23	34	40	43	47	49	56	58	68	73	75	78	85	98	98	100	106	115	117	128	136	143	146	150																																														
12: Cooper_44		16	19	23	34	40	43	47	49	56	58	68	73	75	78	85	98	98	100	106	113	115	117	128	136	138	146	150																																													
13: Fanaw_42		16	23	34	40	43	47	49	56	73	75	78	85	98	98	100	106	113	115	117	127	136	141	146																																																	
14: Stinger_42	1	16	23	34	40	43	47	49	56	72	75	78	85	98	98	100	106	113	115	117	128	136	138	146																																																	
15: ChrisMich_43	1	16	23	34	40	43	47	49	56	68	73	75	78	85	98	98	100	106	113	115	117	127	136	141	146																																																
16: Nigel_42	1	16	23	34	40	43	47	49	56	68	73	75	78	85	98	98	100	106	113	115	117	128	136	138	146																																																
17: QueenPie_42		8	13	15	18	23	35	38	42	44	46	49	51	72	75	79	88	98	98	100	107	113	115	118	128	136	142	146																																													
18: Saguaro_49		23	35	38	45	46	48	53	61	69	74	75	86	98	98	100	107	113	115	118	126	132	144																																																		
19: Thonko_46		3	33	38	42	44	46	53	61	69	73	75	78	87	91	96	100	112	116	120	134	137																																																			
20: CRB2_49	2	4	6	12	14	16	18	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60	62	64	66	68	70	72	74	76	78	80	82	84	86	88	90	92	94	96	98	100	102	104	106	108	110	112	114	116	118	120	122	124	126	128	130	132	134	136	138	140	142	144	146	148	150	152
21: PenguinLover67_49		9	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60	62	64	66	68	70	72	74	76	78	80	82	84	86	88	90	92	94	96	98	100	102	104	106	108	110	112	114	116	118	120	122	124	126	128	130	132	134	136	138	140	142	144	146	148	150	
22: Quesadilla_49		29	38	41	47	49	53	57	62	76	88	94	91	100	108	125	135	140	146	151																																																					
23: Gamgam_252 + 106		29	38	41	47	49	53	57	62	76	88	94	91	100	108	125	135	140	146	151																																																					
24: JPickles_248 + 30	20	29	38	41	47	49	53	57	62	76	88	94	91	100	108	125	135	140	146	151																																																					
25: LinStu_247 + 6	29	38	41	47	49	53	57	62	76	88	94	91	100	108	125	135	140	146	151																																																						
26: Colt_240 + 14	29	38	41	47	49	53	57	62	76	88	94	91	100	108	125	135	140	146	151																																																						
27: Tainan_250 + 21	23	33	38	41	47	49	53	57	62	76	88	94	91	100	108	125	135	140	146	151																																																					
28: Concombre_256	23	33	38	41	47	49	53	57	62	76	88	94	91	100	108	125	135	140	146	151																																																					
29: Demodog_258	29	38	41	47	49	53	57	62	76	88	94	91	100	108	125	135	140	146	151																																																						
30: Darko_250 + 1	29	38	41	47	49	53	57	62	76	88	94	91	100	108	125	135	140	146	151																																																						
31: Issimir_244 + 3	29	38	41	47	49	53	57	62	76	88	94	91	100	108	125	135	140	146	151																																																						
32: NoodleTree_246	23	33	38	41	47	49	53	57	62	76	88	94	91	100	108	125	135	140	146	151																																																					
33: Flabslab_245	29	38	41	47	49	53	57	62	76	88	94	91	100	108	125	135	140	146	151																																																						
34: Rabinovish_243	16	21	34	42	45	47	53	59	67	75	78	82	98	100	104	106	113	131	136	145	149																																																				
35: StAugustine_56		16	21	34	42	45	47	53	59	67	75	78	82	98	100	104	106	113	131	136	145	149																																																			

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 202655 Report

This analysis was run 01/18/25 on database version 583.

Pham number 202655 has 237 members, 37 are drafts.

Phages represented in each track:

- Track 1 : Indlovu_45
- Track 2 : Vincenzo_44, AlanGrant_45
- Track 3 : Austelle_44, Hangman_43, Mithril_43
- Track 4 : Prince_43, Hydro_43, VioletZ_45, Apex_44
- Track 5 : Zemanar_44, GinPorsche_42, Lolalove_44, Ahwei_42, Frederick_44, Hally898_42, Antihero_42, BobbyK_44, Fortunato_44, Lambano_42, Poster_42, RawrgerThat_44, Epah_42, Nanao_42, Magpie_42
- Track 6 : Waleliano_43
- Track 7 : BrownCNA_45
- Track 8 : Mudslide_43
- Track 9 : Heath_42
- Track 10 : JAMaL_43
- Track 11 : JaguarMi_43, Xincheng_42
- Track 12 : Cooper_44
- Track 13 : Fanaw_42
- Track 14 : Stinger_42
- Track 15 : ChrisnMich_43
- Track 16 : Nigel_42
- Track 17 : QueenPie_42
- Track 18 : Saguaro_49
- Track 19 : Thonko_46
- Track 20 : CRB2_49
- Track 21 : PenguinLover67_49
- Track 22 : Quesadilla_49
- Track 23 : Gamgam_252, Grungle_232, BeanWater_243, Koguma_249, ValleyTerrace_251, Chomp_249, Izajani_246, YemiJoy2021_251, Pier_249, Pivoine_251, Ewok_249, DTDevon_251, Ghost_250, ScottMcG_242, Daffodil_256, EmmaElysia_255, Drazdys_247, Breeniome_250, Caravan_240, LRRHood_242, Loanshark_247, Melpomini_245, Delylah_252, QBert_242, Jedediah_252, Dietrick_239, EasyJones_251, Grasshills_257, Momo_252, YoungMoneyMata_250, Catera_239, Cali_240, Burrough_251, Sauce_247, Quasimodo_253, Shelob_251, Naija_251, Kboogie_254, I3_260, NedWong_249, Spec_244, LolaVinca_246, Phusco_249, Pio_257, ShiaLabeouf_248, ArcherS7_251, Audrick_253, Jaygup_247, Sprinklers_248, DrPhinkDaddy_247, Amataga_251, Turret_241, Shnickers_249, ChaylaJr_249, Atlantean_250, Tortoise16_248, Adlitam_250, ChickenPhender_246, MikeLiesIn_251, Jezreel_246, ParkTD_249, Phlegm_255, Zeenon_251, Megamind_247, Delilah_248, Iota_247, Napoleon13_247, Derek_246, SmallFry_251,

Rahel_252, Ngannou_245, Latch_250, Jemmno_250, Capablanca_255, Roots515_253, Fludd_250, Ava3_247, Gabriel_253, Babyland_253, DirtMonster_239, Tyke_247, InigoMontoya_254, JigglyPuff_256, BigCity_258, Zalkecks_249, BackyardAgain_245, SilverDipper_255, NuevoMundo_252, Phox_251, Bangla1971_251, Pleione_254, Rizal_239, GlutenPhree_249, Bipolarisk_248, Halldule_242, Bxz1_236, LifeSavor_251, Littleton_254, Norm_250, Mangeria_250, Wally_248, Essence_248, JustHall_244, Spud_242, EggyFarm_258, Matsumoto_248, Willis_251

- Track 24 : JPickles_248, StubbySaigey_257, Belieber_244, Blackbrain_249, Basquiat_248, TinyTim_249, Erdmann_252, Cactojaque_245, Ablatia_249, Gizmo_256, Lee7_251, ZygoTaiga_247, Trinitium_247, Chargie21_248, Yucca_251, Specks_255, Bread_247, Astraea_246, ErnieJ_244, EmToTheThree_251, FoxtrotP1_249, Morizzled23_248, Janiyra_254, Maby2021_251, Ading_253, Shrimp_253, FudgeTart_246, Salacia_252, SrishMeg2525_248, Teardrop_249, McGee_252

- Track 25 : LinStu_247, Stubby_233, Yassified_246, ET08_236, Ronan_246, Pinkcreek_230, Alice_236

- Track 26 : Colt_240, Blackdragon_245, JulietS_242, Sebata_250, Jessibeth14_250, Blubba_237, JayJay_246, CharlieB_245, McWolfish_247, Cane17_239, HyRo_235, Shaqato_241, Shifa_226, Khaleesi_249, SVoro_246

- Track 27 : Tainan_250, IkeLoa_244, Patter_252, Mikro_244, RoMag_245, Dandelion_256, BadAgartude_244, Lethe_251, MoMoMixon_246, Nappy_249, LordLeafolot_252, Kamryn_249, Bigswole_255, Domi_244, Naval22_255, FrayBell_253, InterFolia_252, Nidhogg_251, Guwapp_246, CindyLou_251, Lukilu_239, StephanieG_244

- Track 28 : Concombre_256

- Track 29 : Demodog_258

- Track 30 : Darko_250, BananaFence_248

- Track 31 : Issimir_244, Bonray_253, PurduePete_251, Asterius_247

- Track 32 : NoodleTree_246

- Track 33 : Flabslab_245

- Track 34 : Rabinovish_243

- Track 35 : StAugustine_56

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

The start number called the most often in the published annotations is 29, it was called in 169 of the 200 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Ablatia_249, Ading_253, Adlitam_250, Alice_236, Amataga_251, ArcherS7_251, Asterius_247, Astraea_246, Atlantean_250, Audrick_253, Ava3_247, Babyland_253, BackyardAgain_245, BadAgartude_244, BananaFence_248, Bangla1971_251, Basquiat_248, BeanWater_243, Belieber_244, BigCity_258, Bigswole_255, Bipolarisk_248, Blackbrain_249, Blackdragon_245, Blubba_237, Bonray_253, Bread_247, Breeniome_250, Burrough_251, Bxz1_236, Cactojaque_245, Cali_240, Cane17_239, Capablanca_255, Caravan_240, Catera_239, Chargie21_248, CharlieB_245, ChaylaJr_249, ChickenPhender_246, Chomp_249, CindyLou_251, Colt_240, DTDevon_251, Daffodil_256, Dandelion_256, Darko_250, Delilah_248, Delylah_252, Derek_246, Dietrick_239, DirtMonster_239, Domi_244,

DrPhinkDaddy_247, Drazdys_247, ET08_236, EasyJones_251, EggyFarm_258, EmToTheThree_251, EmmaElysia_255, Erdmann_252, ErnieJ_244, Essence_248, Ewok_249, Flabslab_245, Fludd_250, FoxtrotP1_249, FrayBell_253, FudgeTart_246, Gabriel_253, Gamgam_252, Ghost_250, Gizmo_256, GlutenPhree_249, Grasshills_257, Grungle_232, Guwapp_246, Halldule_242, HyRo_235, I3_260, IkeLoa_244, InigoMontoya_254, InterFolia_252, Iota_247, Issimir_244, Izajani_246, JPickles_248, Janiyra_254, JayJay_246, Jaygup_247, Jedediah_252, Jemmno_250, Jessibeth14_250, Jezreel_246, JigglyPuff_256, JulietS_242, JustHall_244, Kamryn_249, Kboogie_254, Khaleesi_249, Koguma_249, LRRHood_242, Latch_250, Lee7_251, Lethe_251, LifeSavor_251, LinStu_247, Littleton_254, Loanshark_247, LolaVinca_246, LordLeafolot_252, Lukilu_239, Maby2021_251, Mangeria_250, Matsumoto_248, McGee_252, McWolfish_247, Megamind_247, Melpomini_245, MikeLiesIn_251, Mikro_244, MoMoMixon_246, Momo_252, Morizzled23_248, Naija_251, Napoleon13_247, Nappy_249, Naval22_255, NedWong_249, Ngannou_245, Nidhogg_251, NoodleTree_246, Norm_250, NuevoMundo_252, ParkTD_249, Patter_252, Phlegm_255, Phox_251, Phusco_249, Pier_249, Pinkcreek_230, Pio_257, Pivoine_251, Pleione_254, PurduePete_251, QBert_242, Quasimodo_253, Rabinovish_243, Rahel_252, Rizal_239, RoMag_245, Ronan_246, Roots515_253, SVoro_246, Salacia_252, Sauce_247, ScottMcG_242, Sebata_250, Shaqato_241, Shelob_251, ShiaLabeouf_248, Shifa_226, Shnickers_249, Shrimp_253, SilverDipper_255, SmallFry_251, Spec_244, Specks_255, Sprinklers_248, Spud_242, SrishMeg2525_248, StephanieG_244, StubbySaigey_257, Stubby_233, Tainan_250, Teardrop_249, TinyTim_249, Tortoise16_248, Trinitium_247, Turret_241, Tyke_247, ValleyTerrace_251, Wally_248, Willis_251, Yassified_246, YemiJoy2021_251, YoungMoneyMata_250, Yucca_251, Zalkecks_249, Zeenon_251, ZygoTaiga_247,

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

- Concombre_256, Demodog_258,

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

- Ahwei_42, AlanGrant_45, Antihero_42, Apex_44, Austelle_44, BobbyK_44, BrownCNA_45, CRB2_49, ChrisnMich_43, Cooper_44, Epah_42, Fanaw_42, Fortunato_44, Frederick_44, GinPorsche_42, Hally898_42, Hangman_43, Heath_42, Hydro_43, Indlovu_45, JAMaL_43, JaguarMi_43, Lambano_42, Lolalove_44, Magpie_42, Mithril_43, Mudslide_43, Nanao_42, Nigel_42, PenguinLover67_49, Poster_42, Prince_43, QueenPie_42, Quesadilla_49, RawrgerThat_44, Saguaro_49, StAugustine_56, Stinger_42, Thonko_46, Vincenzo_44, VioletZ_45, Waleliano_43, Xincheng_42, Zemanar_44,

Summary by start number:

Start 16:

- Found in 38 of 237 (16.0%) of genes in pham
- Manual Annotations of this start: 25 of 200
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Ahwei_42 (B4), AlanGrant_45 (B4), Antihero_42 (B4), Apex_44 (B4), Austelle_44 (B4), BobbyK_44 (B4), BrownCNA_45 (B4), ChrisnMich_43 (B4), Cooper_44 (B4), Epah_42 (B4), Fanaw_42 (B4), Fortunato_44 (B4), Frederick_44 (B4), GinPorsche_42 (B4), Hally898_42 (B4), Hangman_43 (B4), Heath_42 (B4), Hydro_43 (B4), JAMaL_43 (B4), JaguarMi_43 (B4), Lambano_42 (B4), Lolalove_44 (B4), Magpie_42 (B4), Mithril_43 (B4), Mudslide_43 (B4), Nanao_42 (B4), Nigel_42 (B4), Poster_42 (B4), Prince_43 (B4),

QueenPie_42 (B4), RawrgerThat_44 (B4), StAugustine_56 (singleton), Stinger_42 (B4), Vincenzo_44 (B4), VioletZ_45 (B4), Waleliano_43 (B4), Xincheng_42 (B4), Zemanar_44 (B4),

Start 22:

- Found in 4 of 237 (1.7%) of genes in pham
- Manual Annotations of this start: 4 of 200
- Called 100.0% of time when present
- Phage (with cluster) where this start called: CRB2_49 (B9), Quesadilla_49 (B9), Saguaro_49 (B7), Thonko_46 (B8),

Start 24:

- Found in 1 of 237 (0.4%) of genes in pham
- Manual Annotations of this start: 1 of 200
- Called 100.0% of time when present
- Phage (with cluster) where this start called: PenguinLover67_49 (B9),

Start 25:

- Found in 5 of 237 (2.1%) of genes in pham
- Manual Annotations of this start: 1 of 200
- Called 20.0% of time when present
- Phage (with cluster) where this start called: Indlovu_45 (B11),

Start 28:

- Found in 2 of 237 (0.8%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Concombre_256 (C1), Demodog_258 (C1),

Start 29:

- Found in 193 of 237 (81.4%) of genes in pham
- Manual Annotations of this start: 169 of 200
- Called 99.0% of time when present
- Phage (with cluster) where this start called: Ablatia_249 (C1), Ading_253 (C1), Adlitam_250 (C1), Alice_236 (C1), Amataga_251 (C1), ArcherS7_251 (C1), Asterius_247 (C1), Astraea_246 (C1), Atlantean_250 (C1), Audrick_253 (C1), Ava3_247 (C1), Babyland_253 (C1), BackyardAgain_245 (C1), BadAgartude_244 (C1), BananaFence_248 (C1), Bangla1971_251 (C1), Basquiat_248 (C1), BeanWater_243 (C1), Belieber_244 (C1), BigCity_258 (C1), Bigswole_255 (C1), Bipolarisk_248 (C1), Blackbrain_249 (C1), Blackdragon_245 (C1), Blubba_237 (C1), Bonray_253 (C1), Bread_247 (C1), Breeniome_250 (C1), Burrough_251 (C1), Bxz1_236 (C1), Cactojaque_245 (C1), Cali_240 (C1), Cane17_239 (C1), Capablanca_255 (C1), Caravan_240 (C1), Catera_239 (C1), Chargie21_248 (C1), CharlieB_245 (C1), ChaylaJr_249 (C1), ChickenPhender_246 (C1), Chomp_249 (C1), CindyLou_251 (C1), Colt_240 (C1), DTDevon_251 (C1), Daffodil_256 (C1), Dandelion_256 (C1), Darko_250 (C1), Delilah_248 (C1), Delylah_252 (C1), Derek_246 (C1), Dietrick_239 (C1), DirtMonster_239 (C1), Domi_244 (C1), DrPhinkDaddy_247 (C1), Drazdys_247 (C1), ET08_236 (C1), EasyJones_251 (C1), EggyFarm_258 (C1), EmToTheThree_251 (C1), EmmaElysia_255 (C1), Erdmann_252 (C1), ErnieJ_244 (C1), Essence_248 (C1), Ewok_249 (C1), Flabslab_245 (C1), Fludd_250 (C1), FoxtrotP1_249 (C1), FrayBell_253 (C1), FudgeTart_246 (C1), Gabriel_253 (C1), Gangam_252 (C1), Ghost_250 (C1),

Gizmo_256 (C1), GlutenPhree_249 (C1), Grasshills_257 (C1), Grungle_232 (C1), Guwapp_246 (C1), Halldule_242 (C1), HyRo_235 (C1), I3_260 (C1), IkeLoa_244 (C1), InigoMontoya_254 (C1), InterFolia_252 (C1), Iota_247 (C1), Issimir_244 (C1), Izajani_246 (C1), JPickles_248 (C1), Janiyra_254 (C1), JayJay_246 (C1), Jaygup_247 (C1), Jedediah_252 (C1), Jemmno_250 (C1), Jessibeth14_250 (C1), Jezreel_246 (C1), JigglyPuff_256 (C1), JulietS_242 (C1), JustHall_244 (C1), Kamryn_249 (C1), Kboogie_254 (C1), Khaleesi_249 (C1), Koguma_249 (C1), LRRHood_242 (C1), Latch_250 (C1), Lee7_251 (C1), Lethe_251 (C1), LifeSavor_251 (C1), LinStu_247 (C1), Littleton_254 (C1), Loanshark_247 (C1), LolaVinca_246 (C1), LordLeafolot_252 (C1), Lukilu_239 (C1), Maby2021_251 (C1), Mangeria_250 (C1), Matsumoto_248 (C1), McGee_252 (C1), McWolfish_247 (C1), Megamind_247 (C1), Melpomini_245 (C1), MikeLiesIn_251 (C1), Mikro_244 (C1), MoMoMixon_246 (C1), Momo_252 (C1), Morizzled23_248 (C1), Naija_251 (C1), Napoleon13_247 (C1), Nappy_249 (C1), Naval22_255 (C1), NedWong_249 (C1), Ngannou_245 (C1), Nidhogg_251 (C1), NoodleTree_246 (C1), Norm_250 (C1), NuevoMundo_252 (C1), ParkTD_249 (C1), Patter_252 (C1), Phlegm_255 (C1), Phox_251 (C1), Phusco_249 (C1), Pier_249 (C1), Pinkcreek_230 (C1), Pio_257 (C1), Pivoine_251 (C1), Pleione_254 (C1), PurduePete_251 (C1), QBert_242 (C1), Quasimodo_253 (C1), Rabinovich_243 (C1), Rahel_252 (C1), Rizal_239 (C1), RoMag_245 (C1), Ronan_246 (C1), Roots515_253 (C1), SVoro_246 (C1), Salacia_252 (C1), Sauce_247 (C1), ScottMcG_242 (C1), Sebata_250 (C1), Shaqnato_241 (C1), Shelob_251 (C1), ShiaLabeouf_248 (C1), Shifa_226 (C1), Shnickers_249 (C1), Shrimp_253 (C1), SilverDipper_255 (C1), SmallFry_251 (C1), Spec_244 (C1), Specks_255 (C1), Sprinklers_248 (C1), Spud_242 (C1), SrishMeg2525_248 (C1), StephanieG_244 (C1), StubbySaigey_257 (C1), Stubby_233 (C1), Tainan_250 (C1), Teardrop_249 (C1), TinyTim_249 (C1), Tortoise16_248 (C1), Trinitium_247 (C1), Turret_241 (C1), Tyke_247 (C1), ValleyTerrace_251 (C1), Wally_248 (C1), Willis_251 (C1), Yassified_246 (C1), YemiJoy2021_251 (C1), YoungMoneyMata_250 (C1), Yucca_251 (C1), Zalkecks_249 (C1), Zeenon_251 (C1), ZygoTaiga_247 (C1),

Summary by clusters:

There are 7 clusters represented in this pham: singleton, B4, B7, B11, C1, B8, B9,

Info for manual annotations of cluster B11:

- Start number 25 was manually annotated 1 time for cluster B11.

Info for manual annotations of cluster B4:

- Start number 16 was manually annotated 25 times for cluster B4.

Info for manual annotations of cluster B7:

- Start number 22 was manually annotated 1 time for cluster B7.

Info for manual annotations of cluster B8:

- Start number 22 was manually annotated 1 time for cluster B8.

Info for manual annotations of cluster B9:

- Start number 22 was manually annotated 2 times for cluster B9.
- Start number 24 was manually annotated 1 time for cluster B9.

Info for manual annotations of cluster C1:

- Start number 29 was manually annotated 169 times for cluster C1.

Gene Information:

Gene: Ablatia_249 Start: 142372, Stop: 143802, Start Num: 29

Candidate Starts for Ablatia_249:

(Start: 29 @142372 has 169 MA's), (38, 142462), (41, 142525), (47, 142648), (49, 142672), (55, 142756), (57, 142798), (62, 142840), (75, 143005), (76, 143008), (89, 143263), (94, 143302), (97, 143332), (100, 143395), (101, 143416), (102, 143425), (103, 143428), (105, 143461), (109, 143476), (125, 143611), (135, 143686), (139, 143743), (140, 143746),

Gene: Ading_253 Start: 144805, Stop: 146235, Start Num: 29

Candidate Starts for Ading_253:

(Start: 29 @144805 has 169 MA's), (38, 144895), (41, 144958), (47, 145081), (49, 145105), (55, 145189), (57, 145231), (62, 145273), (75, 145438), (76, 145441), (89, 145696), (94, 145735), (97, 145765), (100, 145828), (101, 145849), (102, 145858), (103, 145861), (105, 145894), (109, 145909), (125, 146044), (135, 146119), (139, 146176), (140, 146179),

Gene: Adlitam_250 Start: 142960, Stop: 144390, Start Num: 29

Candidate Starts for Adlitam_250:

(Start: 29 @142960 has 169 MA's), (38, 143050), (41, 143113), (47, 143236), (49, 143260), (55, 143344), (57, 143386), (62, 143428), (75, 143593), (76, 143596), (89, 143851), (94, 143890), (97, 143920), (100, 143983), (101, 144004), (102, 144013), (103, 144016), (105, 144049), (109, 144064), (125, 144199), (135, 144274), (139, 144331), (140, 144334),

Gene: Ahwei_42 Start: 39523, Stop: 41259, Start Num: 16

Candidate Starts for Ahwei_42:

(Start: 16 @39523 has 25 MA's), (27, 39598), (30, 39616), (31, 39637), (34, 39652), (40, 39724), (43, 39817), (47, 39889), (49, 39913), (54, 40000), (56, 40015), (72, 40198), (75, 40279), (78, 40360), (80, 40384), (81, 40387), (85, 40429), (90, 40540), (91, 40549), (93, 40558), (98, 40654), (100, 40693), (106, 40762), (113, 40786), (115, 40813), (117, 40843), (128, 40921), (129, 40945), (132, 40963), (133, 40966), (136, 40990), (138, 41035), (146, 41119),

Gene: AlanGrant_45 Start: 41174, Stop: 42871, Start Num: 16

Candidate Starts for AlanGrant_45:

(Start: 16 @41174 has 25 MA's), (26, 41243), (27, 41249), (30, 41267), (31, 41288), (34, 41303), (40, 41375), (43, 41468), (47, 41540), (49, 41564), (56, 41666), (75, 41927), (78, 42008), (80, 42032), (81, 42035), (90, 42188), (91, 42197), (93, 42206), (95, 42230), (100, 42341), (106, 42410), (113, 42434), (114, 42437), (115, 42461), (117, 42491), (127, 42566), (129, 42593), (132, 42611), (136, 42638), (145, 42764),

Gene: Alice_236 Start: 140036, Stop: 141466, Start Num: 29

Candidate Starts for Alice_236:

(20, 139994), (Start: 29 @140036 has 169 MA's), (38, 140126), (41, 140189), (47, 140312), (49, 140336), (55, 140420), (57, 140462), (62, 140504), (75, 140669), (76, 140672), (89, 140927), (94, 140966), (97, 140996), (100, 141059), (101, 141080), (102, 141089), (103, 141092), (105, 141125), (109, 141140), (125, 141275), (135, 141350), (140, 141410),

Gene: Amataga_251 Start: 141959, Stop: 143389, Start Num: 29

Candidate Starts for Amataga_251:

(Start: 29 @141959 has 169 MA's), (38, 142049), (41, 142112), (47, 142235), (49, 142259), (55, 142343), (57, 142385), (62, 142427), (75, 142592), (76, 142595), (89, 142850), (94, 142889), (97, 142919), (100, 142982), (101, 143003), (102, 143012), (103, 143015), (105, 143048), (109, 143063),

(125, 143198), (135, 143273), (139, 143330), (140, 143333),

Gene: Antihero_42 Start: 39523, Stop: 41259, Start Num: 16

Candidate Starts for Antihero_42:

(Start: 16 @39523 has 25 MA's), (27, 39598), (30, 39616), (31, 39637), (34, 39652), (40, 39724), (43, 39817), (47, 39889), (49, 39913), (54, 40000), (56, 40015), (72, 40198), (75, 40279), (78, 40360), (80, 40384), (81, 40387), (85, 40429), (90, 40540), (91, 40549), (93, 40558), (98, 40654), (100, 40693), (106, 40762), (113, 40786), (115, 40813), (117, 40843), (128, 40921), (129, 40945), (132, 40963), (133, 40966), (136, 40990), (138, 41035), (146, 41119),

Gene: Apex_44 Start: 40765, Stop: 42501, Start Num: 16

Candidate Starts for Apex_44:

(Start: 16 @40765 has 25 MA's), (27, 40840), (30, 40858), (31, 40879), (34, 40894), (40, 40966), (43, 41059), (47, 41131), (49, 41155), (54, 41242), (56, 41257), (73, 41446), (75, 41521), (78, 41602), (80, 41626), (81, 41629), (90, 41782), (91, 41791), (93, 41800), (98, 41896), (100, 41935), (106, 42004), (113, 42028), (115, 42055), (117, 42085), (128, 42163), (129, 42187), (132, 42205), (133, 42208), (138, 42277), (146, 42361),

Gene: ArcherS7_251 Start: 143704, Stop: 145134, Start Num: 29

Candidate Starts for ArcherS7_251:

(Start: 29 @143704 has 169 MA's), (38, 143794), (41, 143857), (47, 143980), (49, 144004), (55, 144088), (57, 144130), (62, 144172), (75, 144337), (76, 144340), (89, 144595), (94, 144634), (97, 144664), (100, 144727), (101, 144748), (102, 144757), (103, 144760), (105, 144793), (109, 144808), (125, 144943), (135, 145018), (139, 145075), (140, 145078),

Gene: Asterius_247 Start: 142817, Stop: 144247, Start Num: 29

Candidate Starts for Asterius_247:

(Start: 29 @142817 has 169 MA's), (38, 142907), (41, 142970), (47, 143093), (49, 143117), (55, 143201), (57, 143243), (62, 143285), (75, 143450), (76, 143453), (89, 143708), (94, 143747), (97, 143777), (100, 143840), (101, 143861), (102, 143870), (103, 143873), (105, 143906), (109, 143921), (125, 144056), (135, 144131), (140, 144191),

Gene: Astraea_246 Start: 142012, Stop: 143442, Start Num: 29

Candidate Starts for Astraea_246:

(Start: 29 @142012 has 169 MA's), (38, 142102), (41, 142165), (47, 142288), (49, 142312), (55, 142396), (57, 142438), (62, 142480), (75, 142645), (76, 142648), (89, 142903), (94, 142942), (97, 142972), (100, 143035), (101, 143056), (102, 143065), (103, 143068), (105, 143101), (109, 143116), (125, 143251), (135, 143326), (139, 143383), (140, 143386),

Gene: Atlantean_250 Start: 141959, Stop: 143389, Start Num: 29

Candidate Starts for Atlantean_250:

(Start: 29 @141959 has 169 MA's), (38, 142049), (41, 142112), (47, 142235), (49, 142259), (55, 142343), (57, 142385), (62, 142427), (75, 142592), (76, 142595), (89, 142850), (94, 142889), (97, 142919), (100, 142982), (101, 143003), (102, 143012), (103, 143015), (105, 143048), (109, 143063), (125, 143198), (135, 143273), (139, 143330), (140, 143333),

Gene: Audrick_253 Start: 141849, Stop: 143279, Start Num: 29

Candidate Starts for Audrick_253:

(Start: 29 @141849 has 169 MA's), (38, 141939), (41, 142002), (47, 142125), (49, 142149), (55, 142233), (57, 142275), (62, 142317), (75, 142482), (76, 142485), (89, 142740), (94, 142779), (97, 142809), (100, 142872), (101, 142893), (102, 142902), (103, 142905), (105, 142938), (109, 142953), (125, 143088), (135, 143163), (139, 143220), (140, 143223),

Gene: Austelle_44 Start: 41215, Stop: 42951, Start Num: 16

Candidate Starts for Austelle_44:

(Start: 16 @41215 has 25 MA's), (27, 41290), (30, 41308), (31, 41329), (34, 41344), (40, 41416), (43, 41509), (47, 41581), (49, 41605), (54, 41692), (56, 41707), (73, 41896), (75, 41971), (78, 42052), (80, 42076), (81, 42079), (85, 42121), (90, 42232), (91, 42241), (93, 42250), (98, 42346), (100, 42385), (106, 42454), (113, 42478), (115, 42505), (117, 42535), (128, 42613), (129, 42637), (132, 42655), (133, 42658), (136, 42682), (138, 42727), (146, 42811),

Gene: Ava3_247 Start: 142419, Stop: 143849, Start Num: 29

Candidate Starts for Ava3_247:

(Start: 29 @142419 has 169 MA's), (38, 142509), (41, 142572), (47, 142695), (49, 142719), (55, 142803), (57, 142845), (62, 142887), (75, 143052), (76, 143055), (89, 143310), (94, 143349), (97, 143379), (100, 143442), (101, 143463), (102, 143472), (103, 143475), (105, 143508), (109, 143523), (125, 143658), (135, 143733), (139, 143790), (140, 143793),

Gene: Babyland_253 Start: 142736, Stop: 144166, Start Num: 29

Candidate Starts for Babyland_253:

(Start: 29 @142736 has 169 MA's), (38, 142826), (41, 142889), (47, 143012), (49, 143036), (55, 143120), (57, 143162), (62, 143204), (75, 143369), (76, 143372), (89, 143627), (94, 143666), (97, 143696), (100, 143759), (101, 143780), (102, 143789), (103, 143792), (105, 143825), (109, 143840), (125, 143975), (135, 144050), (139, 144107), (140, 144110),

Gene: BackyardAgain_245 Start: 140109, Stop: 141539, Start Num: 29

Candidate Starts for BackyardAgain_245:

(Start: 29 @140109 has 169 MA's), (38, 140199), (41, 140262), (47, 140385), (49, 140409), (55, 140493), (57, 140535), (62, 140577), (75, 140742), (76, 140745), (89, 141000), (94, 141039), (97, 141069), (100, 141132), (101, 141153), (102, 141162), (103, 141165), (105, 141198), (109, 141213), (125, 141348), (135, 141423), (139, 141480), (140, 141483),

Gene: BadAgartude_244 Start: 142021, Stop: 143451, Start Num: 29

Candidate Starts for BadAgartude_244:

(Start: 29 @142021 has 169 MA's), (38, 142111), (39, 142114), (41, 142174), (47, 142297), (49, 142321), (55, 142405), (57, 142447), (62, 142489), (75, 142654), (76, 142657), (89, 142912), (94, 142951), (97, 142981), (100, 143044), (101, 143065), (102, 143074), (103, 143077), (105, 143110), (109, 143125), (125, 143260), (135, 143335), (139, 143392), (140, 143395),

Gene: BananaFence_248 Start: 142641, Stop: 144071, Start Num: 29

Candidate Starts for BananaFence_248:

(Start: 29 @142641 has 169 MA's), (38, 142731), (39, 142734), (41, 142794), (47, 142917), (49, 142941), (55, 143025), (57, 143067), (62, 143109), (75, 143274), (76, 143277), (89, 143532), (94, 143571), (97, 143601), (100, 143664), (101, 143685), (102, 143694), (103, 143697), (105, 143730), (109, 143745), (125, 143880), (135, 143955), (139, 144012), (140, 144015),

Gene: Bangla1971_251 Start: 142668, Stop: 144098, Start Num: 29

Candidate Starts for Bangla1971_251:

(Start: 29 @142668 has 169 MA's), (38, 142758), (41, 142821), (47, 142944), (49, 142968), (55, 143052), (57, 143094), (62, 143136), (75, 143301), (76, 143304), (89, 143559), (94, 143598), (97, 143628), (100, 143691), (101, 143712), (102, 143721), (103, 143724), (105, 143757), (109, 143772), (125, 143907), (135, 143982), (139, 144039), (140, 144042),

Gene: Basquiat_248 Start: 140927, Stop: 142357, Start Num: 29

Candidate Starts for Basquiat_248:

(Start: 29 @140927 has 169 MA's), (38, 141017), (41, 141080), (47, 141203), (49, 141227), (55, 141311), (57, 141353), (62, 141395), (75, 141560), (76, 141563), (89, 141818), (94, 141857), (97, 141887), (100, 141950), (101, 141971), (102, 141980), (103, 141983), (105, 142016), (109, 142031), (125, 142166), (135, 142241), (139, 142298), (140, 142301),

Gene: BeanWater_243 Start: 141804, Stop: 143234, Start Num: 29

Candidate Starts for BeanWater_243:

(Start: 29 @141804 has 169 MA's), (38, 141894), (41, 141957), (47, 142080), (49, 142104), (55, 142188), (57, 142230), (62, 142272), (75, 142437), (76, 142440), (89, 142695), (94, 142734), (97, 142764), (100, 142827), (101, 142848), (102, 142857), (103, 142860), (105, 142893), (109, 142908), (125, 143043), (135, 143118), (139, 143175), (140, 143178),

Gene: Belieber_244 Start: 141054, Stop: 142484, Start Num: 29

Candidate Starts for Belieber_244:

(Start: 29 @141054 has 169 MA's), (38, 141144), (41, 141207), (47, 141330), (49, 141354), (55, 141438), (57, 141480), (62, 141522), (75, 141687), (76, 141690), (89, 141945), (94, 141984), (97, 142014), (100, 142077), (101, 142098), (102, 142107), (103, 142110), (105, 142143), (109, 142158), (125, 142293), (135, 142368), (139, 142425), (140, 142428),

Gene: BigCity_258 Start: 144559, Stop: 145989, Start Num: 29

Candidate Starts for BigCity_258:

(Start: 29 @144559 has 169 MA's), (38, 144649), (41, 144712), (47, 144835), (49, 144859), (55, 144943), (57, 144985), (62, 145027), (75, 145192), (76, 145195), (89, 145450), (94, 145489), (97, 145519), (100, 145582), (101, 145603), (102, 145612), (103, 145615), (105, 145648), (109, 145663), (125, 145798), (135, 145873), (139, 145930), (140, 145933),

Gene: Bigswole_255 Start: 144470, Stop: 145900, Start Num: 29

Candidate Starts for Bigswole_255:

(Start: 29 @144470 has 169 MA's), (38, 144560), (39, 144563), (41, 144623), (47, 144746), (49, 144770), (55, 144854), (57, 144896), (62, 144938), (75, 145103), (76, 145106), (89, 145361), (94, 145400), (97, 145430), (100, 145493), (101, 145514), (102, 145523), (103, 145526), (105, 145559), (109, 145574), (125, 145709), (135, 145784), (139, 145841), (140, 145844),

Gene: Bipolarisk_248 Start: 142687, Stop: 144117, Start Num: 29

Candidate Starts for Bipolarisk_248:

(Start: 29 @142687 has 169 MA's), (38, 142777), (41, 142840), (47, 142963), (49, 142987), (55, 143071), (57, 143113), (62, 143155), (75, 143320), (76, 143323), (89, 143578), (94, 143617), (97, 143647), (100, 143710), (101, 143731), (102, 143740), (103, 143743), (105, 143776), (109, 143791), (125, 143926), (135, 144001), (139, 144058), (140, 144061),

Gene: Blackbrain_249 Start: 142704, Stop: 144134, Start Num: 29

Candidate Starts for Blackbrain_249:

(Start: 29 @142704 has 169 MA's), (38, 142794), (41, 142857), (47, 142980), (49, 143004), (55, 143088), (57, 143130), (62, 143172), (75, 143337), (76, 143340), (89, 143595), (94, 143634), (97, 143664), (100, 143727), (101, 143748), (102, 143757), (103, 143760), (105, 143793), (109, 143808), (125, 143943), (135, 144018), (139, 144075), (140, 144078),

Gene: Blackdragon_245 Start: 142252, Stop: 143682, Start Num: 29

Candidate Starts for Blackdragon_245:

(Start: 29 @142252 has 169 MA's), (38, 142342), (41, 142405), (47, 142528), (49, 142552), (55, 142636), (57, 142678), (62, 142720), (75, 142885), (76, 142888), (89, 143143), (94, 143182), (97, 143212), (100, 143275), (101, 143296), (102, 143305), (103, 143308), (105, 143341), (109, 143356), (125, 143491), (135, 143566), (140, 143626),

Gene: Blubba_237 Start: 145431, Stop: 146861, Start Num: 29

Candidate Starts for Blubba_237:

(Start: 29 @145431 has 169 MA's), (38, 145521), (41, 145584), (47, 145707), (49, 145731), (55, 145815), (57, 145857), (62, 145899), (75, 146064), (76, 146067), (89, 146322), (94, 146361), (97, 146391), (100, 146454), (101, 146475), (102, 146484), (103, 146487), (105, 146520), (109, 146535), (125, 146670), (135, 146745), (140, 146805),

Gene: BobbyK_44 Start: 40560, Stop: 42296, Start Num: 16

Candidate Starts for BobbyK_44:

(Start: 16 @40560 has 25 MA's), (27, 40635), (30, 40653), (31, 40674), (34, 40689), (40, 40761), (43, 40854), (47, 40926), (49, 40950), (54, 41037), (56, 41052), (72, 41235), (75, 41316), (78, 41397), (80, 41421), (81, 41424), (85, 41466), (90, 41577), (91, 41586), (93, 41595), (98, 41691), (100, 41730), (106, 41799), (113, 41823), (115, 41850), (117, 41880), (128, 41958), (129, 41982), (132, 42000), (133, 42003), (136, 42027), (138, 42072), (146, 42156),

Gene: Bonray_253 Start: 144504, Stop: 145934, Start Num: 29

Candidate Starts for Bonray_253:

(Start: 29 @144504 has 169 MA's), (38, 144594), (41, 144657), (47, 144780), (49, 144804), (55, 144888), (57, 144930), (62, 144972), (75, 145137), (76, 145140), (89, 145395), (94, 145434), (97, 145464), (100, 145527), (101, 145548), (102, 145557), (103, 145560), (105, 145593), (109, 145608), (125, 145743), (135, 145818), (140, 145878),

Gene: Bread_247 Start: 142471, Stop: 143901, Start Num: 29

Candidate Starts for Bread_247:

(Start: 29 @142471 has 169 MA's), (38, 142561), (41, 142624), (47, 142747), (49, 142771), (55, 142855), (57, 142897), (62, 142939), (75, 143104), (76, 143107), (89, 143362), (94, 143401), (97, 143431), (100, 143494), (101, 143515), (102, 143524), (103, 143527), (105, 143560), (109, 143575), (125, 143710), (135, 143785), (139, 143842), (140, 143845),

Gene: Breeniome_250 Start: 141459, Stop: 142889, Start Num: 29

Candidate Starts for Breeniome_250:

(Start: 29 @141459 has 169 MA's), (38, 141549), (41, 141612), (47, 141735), (49, 141759), (55, 141843), (57, 141885), (62, 141927), (75, 142092), (76, 142095), (89, 142350), (94, 142389), (97, 142419), (100, 142482), (101, 142503), (102, 142512), (103, 142515), (105, 142548), (109, 142563), (125, 142698), (135, 142773), (139, 142830), (140, 142833),

Gene: BrownCNA_45 Start: 40845, Stop: 42581, Start Num: 16

Candidate Starts for BrownCNA_45:

(Start: 16 @40845 has 25 MA's), (27, 40920), (30, 40938), (31, 40959), (34, 40974), (40, 41046), (43, 41139), (47, 41211), (49, 41235), (54, 41322), (56, 41337), (73, 41526), (75, 41601), (78, 41682), (80, 41706), (81, 41709), (85, 41751), (90, 41862), (91, 41871), (93, 41880), (98, 41976), (100, 42015), (106, 42084), (113, 42108), (115, 42135), (117, 42165), (127, 42240), (128, 42243), (129, 42267), (132, 42285), (133, 42288), (138, 42357), (146, 42441),

Gene: Burrough_251 Start: 143832, Stop: 145262, Start Num: 29

Candidate Starts for Burrough_251:

(Start: 29 @143832 has 169 MA's), (38, 143922), (41, 143985), (47, 144108), (49, 144132), (55, 144216), (57, 144258), (62, 144300), (75, 144465), (76, 144468), (89, 144723), (94, 144762), (97, 144792), (100, 144855), (101, 144876), (102, 144885), (103, 144888), (105, 144921), (109, 144936), (125, 145071), (135, 145146), (139, 145203), (140, 145206),

Gene: Bxz1_236 Start: 144036, Stop: 145466, Start Num: 29

Candidate Starts for Bxz1_236:

(Start: 29 @144036 has 169 MA's), (38, 144126), (41, 144189), (47, 144312), (49, 144336), (55, 144420), (57, 144462), (62, 144504), (75, 144669), (76, 144672), (89, 144927), (94, 144966), (97, 144996), (100, 145059), (101, 145080), (102, 145089), (103, 145092), (105, 145125), (109, 145140), (125, 145275), (135, 145350), (139, 145407), (140, 145410),

Gene: CRB2_49 Start: 43040, Stop: 44572, Start Num: 22

Candidate Starts for CRB2_49:

(1, 42311), (3, 42686), (5, 42809), (Start: 22 @43040 has 4 MA's), (Start: 25 @43049 has 1 MA's), (33, 43112), (36, 43148), (39, 43160), (42, 43262), (46, 43334), (47, 43346), (73, 43676), (75, 43751), (78, 43832), (86, 43913), (87, 43928), (91, 44021), (96, 44072), (100, 44165), (112, 44246), (116, 44282), (119, 44321), (120, 44327), (131, 44414), (134, 44429), (137, 44456),

Gene: Cactojaque_245 Start: 141650, Stop: 143080, Start Num: 29

Candidate Starts for Cactojaque_245:

(Start: 29 @141650 has 169 MA's), (38, 141740), (41, 141803), (47, 141926), (49, 141950), (55, 142034), (57, 142076), (62, 142118), (75, 142283), (76, 142286), (89, 142541), (94, 142580), (97, 142610), (100, 142673), (101, 142694), (102, 142703), (103, 142706), (105, 142739), (109, 142754), (125, 142889), (135, 142964), (139, 143021), (140, 143024),

Gene: Cali_240 Start: 142429, Stop: 143859, Start Num: 29

Candidate Starts for Cali_240:

(Start: 29 @142429 has 169 MA's), (38, 142519), (41, 142582), (47, 142705), (49, 142729), (55, 142813), (57, 142855), (62, 142897), (75, 143062), (76, 143065), (89, 143320), (94, 143359), (97, 143389), (100, 143452), (101, 143473), (102, 143482), (103, 143485), (105, 143518), (109, 143533), (125, 143668), (135, 143743), (139, 143800), (140, 143803),

Gene: Cane17_239 Start: 145840, Stop: 147270, Start Num: 29

Candidate Starts for Cane17_239:

(Start: 29 @145840 has 169 MA's), (38, 145930), (41, 145993), (47, 146116), (49, 146140), (55, 146224), (57, 146266), (62, 146308), (75, 146473), (76, 146476), (89, 146731), (94, 146770), (97, 146800), (100, 146863), (101, 146884), (102, 146893), (103, 146896), (105, 146929), (109, 146944), (125, 147079), (135, 147154), (140, 147214),

Gene: Capablanca_255 Start: 144683, Stop: 146113, Start Num: 29

Candidate Starts for Capablanca_255:

(Start: 29 @144683 has 169 MA's), (38, 144773), (41, 144836), (47, 144959), (49, 144983), (55, 145067), (57, 145109), (62, 145151), (75, 145316), (76, 145319), (89, 145574), (94, 145613), (97, 145643), (100, 145706), (101, 145727), (102, 145736), (103, 145739), (105, 145772), (109, 145787), (125, 145922), (135, 145997), (139, 146054), (140, 146057),

Gene: Caravan_240 Start: 142733, Stop: 144163, Start Num: 29

Candidate Starts for Caravan_240:

(Start: 29 @142733 has 169 MA's), (38, 142823), (41, 142886), (47, 143009), (49, 143033), (55, 143117), (57, 143159), (62, 143201), (75, 143366), (76, 143369), (89, 143624), (94, 143663), (97, 143693), (100, 143756), (101, 143777), (102, 143786), (103, 143789), (105, 143822), (109, 143837), (125, 143972), (135, 144047), (139, 144104), (140, 144107),

Gene: Catera_239 Start: 141172, Stop: 142602, Start Num: 29

Candidate Starts for Catera_239:

(Start: 29 @141172 has 169 MA's), (38, 141262), (41, 141325), (47, 141448), (49, 141472), (55, 141556), (57, 141598), (62, 141640), (75, 141805), (76, 141808), (89, 142063), (94, 142102), (97, 142132), (100, 142195), (101, 142216), (102, 142225), (103, 142228), (105, 142261), (109, 142276),

(125, 142411), (135, 142486), (139, 142543), (140, 142546),

Gene: Chargie21_248 Start: 140927, Stop: 142357, Start Num: 29

Candidate Starts for Chargie21_248:

(Start: 29 @140927 has 169 MA's), (38, 141017), (41, 141080), (47, 141203), (49, 141227), (55, 141311), (57, 141353), (62, 141395), (75, 141560), (76, 141563), (89, 141818), (94, 141857), (97, 141887), (100, 141950), (101, 141971), (102, 141980), (103, 141983), (105, 142016), (109, 142031), (125, 142166), (135, 142241), (139, 142298), (140, 142301),

Gene: CharlieB_245 Start: 142195, Stop: 143625, Start Num: 29

Candidate Starts for CharlieB_245:

(Start: 29 @142195 has 169 MA's), (38, 142285), (41, 142348), (47, 142471), (49, 142495), (55, 142579), (57, 142621), (62, 142663), (75, 142828), (76, 142831), (89, 143086), (94, 143125), (97, 143155), (100, 143218), (101, 143239), (102, 143248), (103, 143251), (105, 143284), (109, 143299), (125, 143434), (135, 143509), (140, 143569),

Gene: ChaylaJr_249 Start: 141869, Stop: 143299, Start Num: 29

Candidate Starts for ChaylaJr_249:

(Start: 29 @141869 has 169 MA's), (38, 141959), (41, 142022), (47, 142145), (49, 142169), (55, 142253), (57, 142295), (62, 142337), (75, 142502), (76, 142505), (89, 142760), (94, 142799), (97, 142829), (100, 142892), (101, 142913), (102, 142922), (103, 142925), (105, 142958), (109, 142973), (125, 143108), (135, 143183), (139, 143240), (140, 143243),

Gene: ChickenPhender_246 Start: 140625, Stop: 142055, Start Num: 29

Candidate Starts for ChickenPhender_246:

(Start: 29 @140625 has 169 MA's), (38, 140715), (41, 140778), (47, 140901), (49, 140925), (55, 141009), (57, 141051), (62, 141093), (75, 141258), (76, 141261), (89, 141516), (94, 141555), (97, 141585), (100, 141648), (101, 141669), (102, 141678), (103, 141681), (105, 141714), (109, 141729), (125, 141864), (135, 141939), (139, 141996), (140, 141999),

Gene: Chomp_249 Start: 144061, Stop: 145491, Start Num: 29

Candidate Starts for Chomp_249:

(Start: 29 @144061 has 169 MA's), (38, 144151), (41, 144214), (47, 144337), (49, 144361), (55, 144445), (57, 144487), (62, 144529), (75, 144694), (76, 144697), (89, 144952), (94, 144991), (97, 145021), (100, 145084), (101, 145105), (102, 145114), (103, 145117), (105, 145150), (109, 145165), (125, 145300), (135, 145375), (139, 145432), (140, 145435),

Gene: ChrisnMich_43 Start: 39525, Stop: 41261, Start Num: 16

Candidate Starts for ChrisnMich_43:

(Start: 16 @39525 has 25 MA's), (27, 39600), (30, 39618), (31, 39639), (34, 39654), (40, 39726), (43, 39819), (47, 39891), (49, 39915), (54, 40002), (56, 40017), (72, 40200), (75, 40281), (78, 40362), (80, 40386), (85, 40431), (90, 40542), (91, 40551), (93, 40560), (98, 40656), (100, 40695), (106, 40764), (113, 40788), (115, 40815), (117, 40845), (128, 40923), (129, 40947), (132, 40965), (133, 40968), (136, 40992), (138, 41037), (146, 41121),

Gene: CindyLou_251 Start: 144321, Stop: 145751, Start Num: 29

Candidate Starts for CindyLou_251:

(Start: 29 @144321 has 169 MA's), (38, 144411), (39, 144414), (41, 144474), (47, 144597), (49, 144621), (55, 144705), (57, 144747), (62, 144789), (75, 144954), (76, 144957), (89, 145212), (94, 145251), (97, 145281), (100, 145344), (101, 145365), (102, 145374), (103, 145377), (105, 145410), (109, 145425), (125, 145560), (135, 145635), (139, 145692), (140, 145695),

Gene: Colt_240 Start: 145032, Stop: 146462, Start Num: 29

Candidate Starts for Colt_240:

(Start: 29 @145032 has 169 MA's), (38, 145122), (41, 145185), (47, 145308), (49, 145332), (55, 145416), (57, 145458), (62, 145500), (75, 145665), (76, 145668), (89, 145923), (94, 145962), (97, 145992), (100, 146055), (101, 146076), (102, 146085), (103, 146088), (105, 146121), (109, 146136), (125, 146271), (135, 146346), (140, 146406),

Gene: Concombre_256 Start: 144663, Stop: 146096, Start Num: 28

Candidate Starts for Concombre_256:

(23, 144639), (28, 144663), (Start: 29 @144666 has 169 MA's), (38, 144756), (41, 144819), (47, 144942), (49, 144966), (55, 145050), (57, 145092), (62, 145134), (75, 145299), (76, 145302), (89, 145557), (94, 145596), (97, 145626), (100, 145689), (101, 145710), (102, 145719), (103, 145722), (105, 145755), (109, 145770), (125, 145905), (135, 145980), (139, 146037), (140, 146040),

Gene: Cooper_44 Start: 39744, Stop: 41456, Start Num: 16

Candidate Starts for Cooper_44:

(Start: 16 @39744 has 25 MA's), (30, 39837), (31, 39858), (34, 39873), (40, 39945), (43, 40038), (47, 40110), (49, 40134), (54, 40221), (56, 40236), (58, 40266), (68, 40356), (70, 40401), (72, 40419), (73, 40425), (75, 40500), (78, 40581), (80, 40605), (81, 40608), (90, 40761), (91, 40770), (93, 40779), (100, 40914), (106, 40983), (115, 41034), (117, 41064), (129, 41166), (132, 41184), (136, 41211), (146, 41340), (147, 41349), (150, 41394),

Gene: DTDevon_251 Start: 144700, Stop: 146130, Start Num: 29

Candidate Starts for DTDevon_251:

(Start: 29 @144700 has 169 MA's), (38, 144790), (41, 144853), (47, 144976), (49, 145000), (55, 145084), (57, 145126), (62, 145168), (75, 145333), (76, 145336), (89, 145591), (94, 145630), (97, 145660), (100, 145723), (101, 145744), (102, 145753), (103, 145756), (105, 145789), (109, 145804), (125, 145939), (135, 146014), (139, 146071), (140, 146074),

Gene: Daffodil_256 Start: 142987, Stop: 144417, Start Num: 29

Candidate Starts for Daffodil_256:

(Start: 29 @142987 has 169 MA's), (38, 143077), (41, 143140), (47, 143263), (49, 143287), (55, 143371), (57, 143413), (62, 143455), (75, 143620), (76, 143623), (89, 143878), (94, 143917), (97, 143947), (100, 144010), (101, 144031), (102, 144040), (103, 144043), (105, 144076), (109, 144091), (125, 144226), (135, 144301), (139, 144358), (140, 144361),

Gene: Dandelion_256 Start: 145521, Stop: 146951, Start Num: 29

Candidate Starts for Dandelion_256:

(Start: 29 @145521 has 169 MA's), (38, 145611), (39, 145614), (41, 145674), (47, 145797), (49, 145821), (55, 145905), (57, 145947), (62, 145989), (75, 146154), (76, 146157), (89, 146412), (94, 146451), (97, 146481), (100, 146544), (101, 146565), (102, 146574), (103, 146577), (105, 146610), (109, 146625), (125, 146760), (135, 146835), (139, 146892), (140, 146895),

Gene: Darko_250 Start: 142645, Stop: 144075, Start Num: 29

Candidate Starts for Darko_250:

(Start: 29 @142645 has 169 MA's), (38, 142735), (39, 142738), (41, 142798), (47, 142921), (49, 142945), (55, 143029), (57, 143071), (62, 143113), (75, 143278), (76, 143281), (89, 143536), (94, 143575), (97, 143605), (100, 143668), (101, 143689), (102, 143698), (103, 143701), (105, 143734), (109, 143749), (125, 143884), (135, 143959), (139, 144016), (140, 144019),

Gene: Delilah_248 Start: 143080, Stop: 144510, Start Num: 29

Candidate Starts for Delilah_248:

(Start: 29 @143080 has 169 MA's), (38, 143170), (41, 143233), (47, 143356), (49, 143380), (55, 143464), (57, 143506), (62, 143548), (75, 143713), (76, 143716), (89, 143971), (94, 144010), (97,

144040), (100, 144103), (101, 144124), (102, 144133), (103, 144136), (105, 144169), (109, 144184), (125, 144319), (135, 144394), (139, 144451), (140, 144454),

Gene: Delylah_252 Start: 143357, Stop: 144787, Start Num: 29

Candidate Starts for Delylah_252:

(Start: 29 @143357 has 169 MA's), (38, 143447), (41, 143510), (47, 143633), (49, 143657), (55, 143741), (57, 143783), (62, 143825), (75, 143990), (76, 143993), (89, 144248), (94, 144287), (97, 144317), (100, 144380), (101, 144401), (102, 144410), (103, 144413), (105, 144446), (109, 144461), (125, 144596), (135, 144671), (139, 144728), (140, 144731),

Gene: Demodog_258 Start: 144673, Stop: 146106, Start Num: 28

Candidate Starts for Demodog_258:

(23, 144649), (28, 144673), (Start: 29 @144676 has 169 MA's), (38, 144766), (41, 144829), (47, 144952), (49, 144976), (55, 145060), (57, 145102), (62, 145144), (75, 145309), (76, 145312), (89, 145567), (94, 145606), (97, 145636), (100, 145699), (101, 145720), (102, 145729), (103, 145732), (105, 145765), (109, 145780), (125, 145915), (135, 145990), (140, 146050),

Gene: Derek_246 Start: 143338, Stop: 144768, Start Num: 29

Candidate Starts for Derek_246:

(Start: 29 @143338 has 169 MA's), (38, 143428), (41, 143491), (47, 143614), (49, 143638), (55, 143722), (57, 143764), (62, 143806), (75, 143971), (76, 143974), (89, 144229), (94, 144268), (97, 144298), (100, 144361), (101, 144382), (102, 144391), (103, 144394), (105, 144427), (109, 144442), (125, 144577), (135, 144652), (139, 144709), (140, 144712),

Gene: Dietrick_239 Start: 141201, Stop: 142631, Start Num: 29

Candidate Starts for Dietrick_239:

(Start: 29 @141201 has 169 MA's), (38, 141291), (41, 141354), (47, 141477), (49, 141501), (55, 141585), (57, 141627), (62, 141669), (75, 141834), (76, 141837), (89, 142092), (94, 142131), (97, 142161), (100, 142224), (101, 142245), (102, 142254), (103, 142257), (105, 142290), (109, 142305), (125, 142440), (135, 142515), (139, 142572), (140, 142575),

Gene: DirtMonster_239 Start: 141933, Stop: 143363, Start Num: 29

Candidate Starts for DirtMonster_239:

(Start: 29 @141933 has 169 MA's), (38, 142023), (41, 142086), (47, 142209), (49, 142233), (55, 142317), (57, 142359), (62, 142401), (75, 142566), (76, 142569), (89, 142824), (94, 142863), (97, 142893), (100, 142956), (101, 142977), (102, 142986), (103, 142989), (105, 143022), (109, 143037), (125, 143172), (135, 143247), (139, 143304), (140, 143307),

Gene: Domi_244 Start: 142540, Stop: 143970, Start Num: 29

Candidate Starts for Domi_244:

(Start: 29 @142540 has 169 MA's), (38, 142630), (39, 142633), (41, 142693), (47, 142816), (49, 142840), (55, 142924), (57, 142966), (62, 143008), (75, 143173), (76, 143176), (89, 143431), (94, 143470), (97, 143500), (100, 143563), (101, 143584), (102, 143593), (103, 143596), (105, 143629), (109, 143644), (125, 143779), (135, 143854), (139, 143911), (140, 143914),

Gene: DrPhinkDaddy_247 Start: 143765, Stop: 145195, Start Num: 29

Candidate Starts for DrPhinkDaddy_247:

(Start: 29 @143765 has 169 MA's), (38, 143855), (41, 143918), (47, 144041), (49, 144065), (55, 144149), (57, 144191), (62, 144233), (75, 144398), (76, 144401), (89, 144656), (94, 144695), (97, 144725), (100, 144788), (101, 144809), (102, 144818), (103, 144821), (105, 144854), (109, 144869), (125, 145004), (135, 145079), (139, 145136), (140, 145139),

Gene: Drazdys_247 Start: 143345, Stop: 144775, Start Num: 29

Candidate Starts for Drazdys_247:

(Start: 29 @143345 has 169 MA's), (38, 143435), (41, 143498), (47, 143621), (49, 143645), (55, 143729), (57, 143771), (62, 143813), (75, 143978), (76, 143981), (89, 144236), (94, 144275), (97, 144305), (100, 144368), (101, 144389), (102, 144398), (103, 144401), (105, 144434), (109, 144449), (125, 144584), (135, 144659), (139, 144716), (140, 144719),

Gene: ET08_236 Start: 141669, Stop: 143099, Start Num: 29

Candidate Starts for ET08_236:

(20, 141627), (Start: 29 @141669 has 169 MA's), (38, 141759), (41, 141822), (47, 141945), (49, 141969), (55, 142053), (57, 142095), (62, 142137), (75, 142302), (76, 142305), (89, 142560), (94, 142599), (97, 142629), (100, 142692), (101, 142713), (102, 142722), (103, 142725), (105, 142758), (109, 142773), (125, 142908), (135, 142983), (140, 143043),

Gene: EasyJones_251 Start: 141721, Stop: 143151, Start Num: 29

Candidate Starts for EasyJones_251:

(Start: 29 @141721 has 169 MA's), (38, 141811), (41, 141874), (47, 141997), (49, 142021), (55, 142105), (57, 142147), (62, 142189), (75, 142354), (76, 142357), (89, 142612), (94, 142651), (97, 142681), (100, 142744), (101, 142765), (102, 142774), (103, 142777), (105, 142810), (109, 142825), (125, 142960), (135, 143035), (139, 143092), (140, 143095),

Gene: EggyFarm_258 Start: 144560, Stop: 145990, Start Num: 29

Candidate Starts for EggyFarm_258:

(Start: 29 @144560 has 169 MA's), (38, 144650), (41, 144713), (47, 144836), (49, 144860), (55, 144944), (57, 144986), (62, 145028), (75, 145193), (76, 145196), (89, 145451), (94, 145490), (97, 145520), (100, 145583), (101, 145604), (102, 145613), (103, 145616), (105, 145649), (109, 145664), (125, 145799), (135, 145874), (139, 145931), (140, 145934),

Gene: EmToTheThree_251 Start: 143553, Stop: 144983, Start Num: 29

Candidate Starts for EmToTheThree_251:

(Start: 29 @143553 has 169 MA's), (38, 143643), (41, 143706), (47, 143829), (49, 143853), (55, 143937), (57, 143979), (62, 144021), (75, 144186), (76, 144189), (89, 144444), (94, 144483), (97, 144513), (100, 144576), (101, 144597), (102, 144606), (103, 144609), (105, 144642), (109, 144657), (125, 144792), (135, 144867), (139, 144924), (140, 144927),

Gene: EmmaElysia_255 Start: 144216, Stop: 145646, Start Num: 29

Candidate Starts for EmmaElysia_255:

(Start: 29 @144216 has 169 MA's), (38, 144306), (41, 144369), (47, 144492), (49, 144516), (55, 144600), (57, 144642), (62, 144684), (75, 144849), (76, 144852), (89, 145107), (94, 145146), (97, 145176), (100, 145239), (101, 145260), (102, 145269), (103, 145272), (105, 145305), (109, 145320), (125, 145455), (135, 145530), (139, 145587), (140, 145590),

Gene: Epah_42 Start: 39523, Stop: 41259, Start Num: 16

Candidate Starts for Epah_42:

(Start: 16 @39523 has 25 MA's), (27, 39598), (30, 39616), (31, 39637), (34, 39652), (40, 39724), (43, 39817), (47, 39889), (49, 39913), (54, 40000), (56, 40015), (72, 40198), (75, 40279), (78, 40360), (80, 40384), (81, 40387), (85, 40429), (90, 40540), (91, 40549), (93, 40558), (98, 40654), (100, 40693), (106, 40762), (113, 40786), (115, 40813), (117, 40843), (128, 40921), (129, 40945), (132, 40963), (133, 40966), (136, 40990), (138, 41035), (146, 41119),

Gene: Erdmann_252 Start: 143521, Stop: 144951, Start Num: 29

Candidate Starts for Erdmann_252:

(Start: 29 @143521 has 169 MA's), (38, 143611), (41, 143674), (47, 143797), (49, 143821), (55, 143905), (57, 143947), (62, 143989), (75, 144154), (76, 144157), (89, 144412), (94, 144451), (97,

144481), (100, 144544), (101, 144565), (102, 144574), (103, 144577), (105, 144610), (109, 144625), (125, 144760), (135, 144835), (139, 144892), (140, 144895),

Gene: ErnieJ_244 Start: 140349, Stop: 141779, Start Num: 29

Candidate Starts for ErnieJ_244:

(Start: 29 @140349 has 169 MA's), (38, 140439), (41, 140502), (47, 140625), (49, 140649), (55, 140733), (57, 140775), (62, 140817), (75, 140982), (76, 140985), (89, 141240), (94, 141279), (97, 141309), (100, 141372), (101, 141393), (102, 141402), (103, 141405), (105, 141438), (109, 141453), (125, 141588), (135, 141663), (139, 141720), (140, 141723),

Gene: Essence_248 Start: 142557, Stop: 143987, Start Num: 29

Candidate Starts for Essence_248:

(Start: 29 @142557 has 169 MA's), (38, 142647), (41, 142710), (47, 142833), (49, 142857), (55, 142941), (57, 142983), (62, 143025), (75, 143190), (76, 143193), (89, 143448), (94, 143487), (97, 143517), (100, 143580), (101, 143601), (102, 143610), (103, 143613), (105, 143646), (109, 143661), (125, 143796), (135, 143871), (139, 143928), (140, 143931),

Gene: Ewok_249 Start: 143015, Stop: 144445, Start Num: 29

Candidate Starts for Ewok_249:

(Start: 29 @143015 has 169 MA's), (38, 143105), (41, 143168), (47, 143291), (49, 143315), (55, 143399), (57, 143441), (62, 143483), (75, 143648), (76, 143651), (89, 143906), (94, 143945), (97, 143975), (100, 144038), (101, 144059), (102, 144068), (103, 144071), (105, 144104), (109, 144119), (125, 144254), (135, 144329), (139, 144386), (140, 144389),

Gene: Fanaw_42 Start: 40220, Stop: 41956, Start Num: 16

Candidate Starts for Fanaw_42:

(Start: 16 @40220 has 25 MA's), (19, 40265), (27, 40295), (30, 40313), (31, 40334), (34, 40349), (40, 40421), (43, 40514), (47, 40586), (49, 40610), (54, 40697), (56, 40712), (73, 40901), (75, 40976), (78, 41057), (80, 41081), (81, 41084), (90, 41237), (91, 41246), (93, 41255), (98, 41351), (100, 41390), (106, 41459), (113, 41483), (115, 41510), (117, 41540), (128, 41618), (129, 41642), (132, 41660), (133, 41663), (136, 41687), (138, 41732), (146, 41816),

Gene: Flabslab_245 Start: 139614, Stop: 141044, Start Num: 29

Candidate Starts for Flabslab_245:

(23, 139587), (Start: 29 @139614 has 169 MA's), (38, 139704), (41, 139767), (47, 139890), (49, 139914), (55, 139998), (57, 140040), (62, 140082), (75, 140247), (76, 140250), (89, 140505), (94, 140544), (97, 140574), (100, 140637), (101, 140658), (102, 140667), (103, 140670), (105, 140703), (109, 140718), (125, 140853), (135, 140928), (140, 140988),

Gene: Fludd_250 Start: 141433, Stop: 142863, Start Num: 29

Candidate Starts for Fludd_250:

(Start: 29 @141433 has 169 MA's), (38, 141523), (41, 141586), (47, 141709), (49, 141733), (55, 141817), (57, 141859), (62, 141901), (75, 142066), (76, 142069), (89, 142324), (94, 142363), (97, 142393), (100, 142456), (101, 142477), (102, 142486), (103, 142489), (105, 142522), (109, 142537), (125, 142672), (135, 142747), (139, 142804), (140, 142807),

Gene: Fortunato_44 Start: 40578, Stop: 42314, Start Num: 16

Candidate Starts for Fortunato_44:

(Start: 16 @40578 has 25 MA's), (27, 40653), (30, 40671), (31, 40692), (34, 40707), (40, 40779), (43, 40872), (47, 40944), (49, 40968), (54, 41055), (56, 41070), (72, 41253), (75, 41334), (78, 41415), (80, 41439), (81, 41442), (85, 41484), (90, 41595), (91, 41604), (93, 41613), (98, 41709), (100, 41748), (106, 41817), (113, 41841), (115, 41868), (117, 41898), (128, 41976), (129, 42000), (132, 42018), (133, 42021), (136, 42045), (138, 42090), (146, 42174),

Gene: FoxtrotP1_249 Start: 144107, Stop: 145537, Start Num: 29

Candidate Starts for FoxtrotP1_249:

(Start: 29 @144107 has 169 MA's), (38, 144197), (41, 144260), (47, 144383), (49, 144407), (55, 144491), (57, 144533), (62, 144575), (75, 144740), (76, 144743), (89, 144998), (94, 145037), (97, 145067), (100, 145130), (101, 145151), (102, 145160), (103, 145163), (105, 145196), (109, 145211), (125, 145346), (135, 145421), (139, 145478), (140, 145481),

Gene: FrayBell_253 Start: 141564, Stop: 142994, Start Num: 29

Candidate Starts for FrayBell_253:

(Start: 29 @141564 has 169 MA's), (38, 141654), (39, 141657), (41, 141717), (47, 141840), (49, 141864), (55, 141948), (57, 141990), (62, 142032), (75, 142197), (76, 142200), (89, 142455), (94, 142494), (97, 142524), (100, 142587), (101, 142608), (102, 142617), (103, 142620), (105, 142653), (109, 142668), (125, 142803), (135, 142878), (139, 142935), (140, 142938),

Gene: Frederick_44 Start: 40560, Stop: 42290, Start Num: 16

Candidate Starts for Frederick_44:

(Start: 16 @40560 has 25 MA's), (27, 40635), (30, 40653), (31, 40674), (34, 40689), (40, 40761), (43, 40854), (47, 40914), (49, 40938), (54, 41025), (56, 41040), (72, 41223), (75, 41304), (78, 41385), (80, 41409), (81, 41412), (85, 41454), (90, 41565), (91, 41574), (93, 41583), (98, 41679), (100, 41718), (106, 41787), (113, 41811), (115, 41838), (117, 41868), (128, 41946), (129, 41970), (132, 41988), (133, 41991), (136, 42015), (138, 42060), (146, 42144),

Gene: FudgeTart_246 Start: 142611, Stop: 144041, Start Num: 29

Candidate Starts for FudgeTart_246:

(Start: 29 @142611 has 169 MA's), (38, 142701), (41, 142764), (47, 142887), (49, 142911), (55, 142995), (57, 143037), (62, 143079), (75, 143244), (76, 143247), (89, 143502), (94, 143541), (97, 143571), (100, 143634), (101, 143655), (102, 143664), (103, 143667), (105, 143700), (109, 143715), (125, 143850), (135, 143925), (139, 143982), (140, 143985),

Gene: Gabriel_253 Start: 141592, Stop: 143022, Start Num: 29

Candidate Starts for Gabriel_253:

(Start: 29 @141592 has 169 MA's), (38, 141682), (41, 141745), (47, 141868), (49, 141892), (55, 141976), (57, 142018), (62, 142060), (75, 142225), (76, 142228), (89, 142483), (94, 142522), (97, 142552), (100, 142615), (101, 142636), (102, 142645), (103, 142648), (105, 142681), (109, 142696), (125, 142831), (135, 142906), (139, 142963), (140, 142966),

Gene: Gamgam_252 Start: 141949, Stop: 143379, Start Num: 29

Candidate Starts for Gamgam_252:

(Start: 29 @141949 has 169 MA's), (38, 142039), (41, 142102), (47, 142225), (49, 142249), (55, 142333), (57, 142375), (62, 142417), (75, 142582), (76, 142585), (89, 142840), (94, 142879), (97, 142909), (100, 142972), (101, 142993), (102, 143002), (103, 143005), (105, 143038), (109, 143053), (125, 143188), (135, 143263), (139, 143320), (140, 143323),

Gene: Ghost_250 Start: 142573, Stop: 144003, Start Num: 29

Candidate Starts for Ghost_250:

(Start: 29 @142573 has 169 MA's), (38, 142663), (41, 142726), (47, 142849), (49, 142873), (55, 142957), (57, 142999), (62, 143041), (75, 143206), (76, 143209), (89, 143464), (94, 143503), (97, 143533), (100, 143596), (101, 143617), (102, 143626), (103, 143629), (105, 143662), (109, 143677), (125, 143812), (135, 143887), (139, 143944), (140, 143947),

Gene: GinPorsche_42 Start: 39523, Stop: 41259, Start Num: 16

Candidate Starts for GinPorsche_42:

(Start: 16 @39523 has 25 MA's), (27, 39598), (30, 39616), (31, 39637), (34, 39652), (40, 39724), (43, 39817), (47, 39889), (49, 39913), (54, 40000), (56, 40015), (72, 40198), (75, 40279), (78, 40360), (80, 40384), (81, 40387), (85, 40429), (90, 40540), (91, 40549), (93, 40558), (98, 40654), (100, 40693), (106, 40762), (113, 40786), (115, 40813), (117, 40843), (128, 40921), (129, 40945), (132, 40963), (133, 40966), (136, 40990), (138, 41035), (146, 41119),

Gene: Gizmo_256 Start: 145438, Stop: 146868, Start Num: 29

Candidate Starts for Gizmo_256:

(Start: 29 @145438 has 169 MA's), (38, 145528), (41, 145591), (47, 145714), (49, 145738), (55, 145822), (57, 145864), (62, 145906), (75, 146071), (76, 146074), (89, 146329), (94, 146368), (97, 146398), (100, 146461), (101, 146482), (102, 146491), (103, 146494), (105, 146527), (109, 146542), (125, 146677), (135, 146752), (139, 146809), (140, 146812),

Gene: GlutenPhree_249 Start: 141960, Stop: 143390, Start Num: 29

Candidate Starts for GlutenPhree_249:

(Start: 29 @141960 has 169 MA's), (38, 142050), (41, 142113), (47, 142236), (49, 142260), (55, 142344), (57, 142386), (62, 142428), (75, 142593), (76, 142596), (89, 142851), (94, 142890), (97, 142920), (100, 142983), (101, 143004), (102, 143013), (103, 143016), (105, 143049), (109, 143064), (125, 143199), (135, 143274), (139, 143331), (140, 143334),

Gene: Grasshills_257 Start: 144559, Stop: 145989, Start Num: 29

Candidate Starts for Grasshills_257:

(Start: 29 @144559 has 169 MA's), (38, 144649), (41, 144712), (47, 144835), (49, 144859), (55, 144943), (57, 144985), (62, 145027), (75, 145192), (76, 145195), (89, 145450), (94, 145489), (97, 145519), (100, 145582), (101, 145603), (102, 145612), (103, 145615), (105, 145648), (109, 145663), (125, 145798), (135, 145873), (139, 145930), (140, 145933),

Gene: Grungle_232 Start: 139838, Stop: 141268, Start Num: 29

Candidate Starts for Grungle_232:

(Start: 29 @139838 has 169 MA's), (38, 139928), (41, 139991), (47, 140114), (49, 140138), (55, 140222), (57, 140264), (62, 140306), (75, 140471), (76, 140474), (89, 140729), (94, 140768), (97, 140798), (100, 140861), (101, 140882), (102, 140891), (103, 140894), (105, 140927), (109, 140942), (125, 141077), (135, 141152), (139, 141209), (140, 141212),

Gene: Guwapp_246 Start: 141407, Stop: 142837, Start Num: 29

Candidate Starts for Guwapp_246:

(Start: 29 @141407 has 169 MA's), (38, 141497), (39, 141500), (41, 141560), (47, 141683), (49, 141707), (55, 141791), (57, 141833), (62, 141875), (75, 142040), (76, 142043), (89, 142298), (94, 142337), (97, 142367), (100, 142430), (101, 142451), (102, 142460), (103, 142463), (105, 142496), (109, 142511), (125, 142646), (135, 142721), (139, 142778), (140, 142781),

Gene: Halldule_242 Start: 141020, Stop: 142450, Start Num: 29

Candidate Starts for Halldule_242:

(Start: 29 @141020 has 169 MA's), (38, 141110), (41, 141173), (47, 141296), (49, 141320), (55, 141404), (57, 141446), (62, 141488), (75, 141653), (76, 141656), (89, 141911), (94, 141950), (97, 141980), (100, 142043), (101, 142064), (102, 142073), (103, 142076), (105, 142109), (109, 142124), (125, 142259), (135, 142334), (139, 142391), (140, 142394),

Gene: Hally898_42 Start: 39535, Stop: 41271, Start Num: 16

Candidate Starts for Hally898_42:

(Start: 16 @39535 has 25 MA's), (27, 39610), (30, 39628), (31, 39649), (34, 39664), (40, 39736), (43, 39829), (47, 39901), (49, 39925), (54, 40012), (56, 40027), (72, 40210), (75, 40291), (78, 40372), (80, 40396), (81, 40399), (85, 40441), (90, 40552), (91, 40561), (93, 40570), (98, 40666), (100, 40705),

(106, 40774), (113, 40798), (115, 40825), (117, 40855), (128, 40933), (129, 40957), (132, 40975), (133, 40978), (136, 41002), (138, 41047), (146, 41131),

Gene: Hangman_43 Start: 40576, Stop: 42312, Start Num: 16

Candidate Starts for Hangman_43:

(Start: 16 @40576 has 25 MA's), (27, 40651), (30, 40669), (31, 40690), (34, 40705), (40, 40777), (43, 40870), (47, 40942), (49, 40966), (54, 41053), (56, 41068), (73, 41257), (75, 41332), (78, 41413), (80, 41437), (81, 41440), (85, 41482), (90, 41593), (91, 41602), (93, 41611), (98, 41707), (100, 41746), (106, 41815), (113, 41839), (115, 41866), (117, 41896), (128, 41974), (129, 41998), (132, 42016), (133, 42019), (136, 42043), (138, 42088), (146, 42172),

Gene: Heath_42 Start: 40183, Stop: 41907, Start Num: 16

Candidate Starts for Heath_42:

(Start: 16 @40183 has 25 MA's), (27, 40258), (30, 40276), (31, 40297), (34, 40312), (40, 40384), (43, 40477), (47, 40537), (49, 40561), (54, 40648), (56, 40663), (75, 40927), (78, 41008), (80, 41032), (81, 41035), (85, 41077), (90, 41188), (91, 41197), (93, 41206), (98, 41302), (100, 41341), (106, 41410), (113, 41434), (115, 41461), (117, 41491), (128, 41569), (129, 41593), (132, 41611), (133, 41614), (136, 41638), (138, 41683), (146, 41767),

Gene: HyRo_235 Start: 141924, Stop: 143354, Start Num: 29

Candidate Starts for HyRo_235:

(Start: 29 @141924 has 169 MA's), (38, 142014), (41, 142077), (47, 142200), (49, 142224), (55, 142308), (57, 142350), (62, 142392), (75, 142557), (76, 142560), (89, 142815), (94, 142854), (97, 142884), (100, 142947), (101, 142968), (102, 142977), (103, 142980), (105, 143013), (109, 143028), (125, 143163), (135, 143238), (140, 143298),

Gene: Hydro_43 Start: 40593, Stop: 42329, Start Num: 16

Candidate Starts for Hydro_43:

(Start: 16 @40593 has 25 MA's), (27, 40668), (30, 40686), (31, 40707), (34, 40722), (40, 40794), (43, 40887), (47, 40959), (49, 40983), (54, 41070), (56, 41085), (73, 41274), (75, 41349), (78, 41430), (80, 41454), (81, 41457), (90, 41610), (91, 41619), (93, 41628), (98, 41724), (100, 41763), (106, 41832), (113, 41856), (115, 41883), (117, 41913), (128, 41991), (129, 42015), (132, 42033), (133, 42036), (138, 42105), (146, 42189),

Gene: I3_260 Start: 143715, Stop: 145145, Start Num: 29

Candidate Starts for I3_260:

(Start: 29 @143715 has 169 MA's), (38, 143805), (41, 143868), (47, 143991), (49, 144015), (55, 144099), (57, 144141), (62, 144183), (75, 144348), (76, 144351), (89, 144606), (94, 144645), (97, 144675), (100, 144738), (101, 144759), (102, 144768), (103, 144771), (105, 144804), (109, 144819), (125, 144954), (135, 145029), (139, 145086), (140, 145089),

Gene: IkeLoa_244 Start: 142305, Stop: 143735, Start Num: 29

Candidate Starts for IkeLoa_244:

(Start: 29 @142305 has 169 MA's), (38, 142395), (39, 142398), (41, 142458), (47, 142581), (49, 142605), (55, 142689), (57, 142731), (62, 142773), (75, 142938), (76, 142941), (89, 143196), (94, 143235), (97, 143265), (100, 143328), (101, 143349), (102, 143358), (103, 143361), (105, 143394), (109, 143409), (125, 143544), (135, 143619), (139, 143676), (140, 143679),

Gene: Indlovu_45 Start: 39904, Stop: 41499, Start Num: 25

Candidate Starts for Indlovu_45:

(17, 39856), (Start: 25 @39904 has 1 MA's), (36, 40009), (39, 40021), (45, 40162), (46, 40201), (47, 40213), (52, 40288), (70, 40504), (72, 40522), (75, 40588), (78, 40669), (80, 40693), (90, 40837), (91, 40846), (100, 40987), (107, 41074), (114, 41107), (115, 41134), (122, 41200), (133, 41284),

Gene: InigoMontoya_254 Start: 142623, Stop: 144053, Start Num: 29

Candidate Starts for InigoMontoya_254:

(Start: 29 @142623 has 169 MA's), (38, 142713), (41, 142776), (47, 142899), (49, 142923), (55, 143007), (57, 143049), (62, 143091), (75, 143256), (76, 143259), (89, 143514), (94, 143553), (97, 143583), (100, 143646), (101, 143667), (102, 143676), (103, 143679), (105, 143712), (109, 143727), (125, 143862), (135, 143937), (139, 143994), (140, 143997),

Gene: InterFolia_252 Start: 143369, Stop: 144799, Start Num: 29

Candidate Starts for InterFolia_252:

(Start: 29 @143369 has 169 MA's), (38, 143459), (39, 143462), (41, 143522), (47, 143645), (49, 143669), (55, 143753), (57, 143795), (62, 143837), (75, 144002), (76, 144005), (89, 144260), (94, 144299), (97, 144329), (100, 144392), (101, 144413), (102, 144422), (103, 144425), (105, 144458), (109, 144473), (125, 144608), (135, 144683), (139, 144740), (140, 144743),

Gene: Iota_247 Start: 142335, Stop: 143765, Start Num: 29

Candidate Starts for Iota_247:

(Start: 29 @142335 has 169 MA's), (38, 142425), (41, 142488), (47, 142611), (49, 142635), (55, 142719), (57, 142761), (62, 142803), (75, 142968), (76, 142971), (89, 143226), (94, 143265), (97, 143295), (100, 143358), (101, 143379), (102, 143388), (103, 143391), (105, 143424), (109, 143439), (125, 143574), (135, 143649), (139, 143706), (140, 143709),

Gene: Issimir_244 Start: 142710, Stop: 144140, Start Num: 29

Candidate Starts for Issimir_244:

(Start: 29 @142710 has 169 MA's), (38, 142800), (41, 142863), (47, 142986), (49, 143010), (55, 143094), (57, 143136), (62, 143178), (75, 143343), (76, 143346), (89, 143601), (94, 143640), (97, 143670), (100, 143733), (101, 143754), (102, 143763), (103, 143766), (105, 143799), (109, 143814), (125, 143949), (135, 144024), (140, 144084),

Gene: Izajani_246 Start: 143155, Stop: 144585, Start Num: 29

Candidate Starts for Izajani_246:

(Start: 29 @143155 has 169 MA's), (38, 143245), (41, 143308), (47, 143431), (49, 143455), (55, 143539), (57, 143581), (62, 143623), (75, 143788), (76, 143791), (89, 144046), (94, 144085), (97, 144115), (100, 144178), (101, 144199), (102, 144208), (103, 144211), (105, 144244), (109, 144259), (125, 144394), (135, 144469), (139, 144526), (140, 144529),

Gene: JAMaL_43 Start: 40735, Stop: 42471, Start Num: 16

Candidate Starts for JAMaL_43:

(Start: 16 @40735 has 25 MA's), (27, 40810), (30, 40828), (31, 40849), (34, 40864), (40, 40936), (43, 41029), (47, 41101), (49, 41125), (56, 41227), (73, 41416), (75, 41491), (78, 41572), (80, 41596), (81, 41599), (85, 41641), (90, 41752), (91, 41761), (93, 41770), (98, 41866), (100, 41905), (106, 41974), (113, 41998), (115, 42025), (117, 42055), (128, 42133), (129, 42157), (132, 42175), (133, 42178), (136, 42202), (138, 42247), (146, 42331),

Gene: JPickles_248 Start: 141760, Stop: 143190, Start Num: 29

Candidate Starts for JPickles_248:

(Start: 29 @141760 has 169 MA's), (38, 141850), (41, 141913), (47, 142036), (49, 142060), (55, 142144), (57, 142186), (62, 142228), (75, 142393), (76, 142396), (89, 142651), (94, 142690), (97, 142720), (100, 142783), (101, 142804), (102, 142813), (103, 142816), (105, 142849), (109, 142864), (125, 142999), (135, 143074), (139, 143131), (140, 143134),

Gene: JaguarMi_43 Start: 40036, Stop: 41772, Start Num: 16

Candidate Starts for JaguarMi_43:

(Start: 16 @40036 has 25 MA's), (19, 40081), (27, 40111), (30, 40129), (31, 40150), (34, 40165), (40, 40237), (43, 40330), (47, 40402), (49, 40426), (54, 40513), (56, 40528), (68, 40648), (72, 40711), (73, 40717), (75, 40792), (78, 40873), (80, 40897), (81, 40900), (90, 41053), (91, 41062), (93, 41071), (100, 41206), (106, 41275), (112, 41293), (115, 41326), (117, 41356), (128, 41434), (129, 41458), (132, 41476), (136, 41503), (138, 41548), (143, 41602), (146, 41632),

Gene: Janiyra_254 Start: 143297, Stop: 144727, Start Num: 29

Candidate Starts for Janiyra_254:

(Start: 29 @143297 has 169 MA's), (38, 143387), (41, 143450), (47, 143573), (49, 143597), (55, 143681), (57, 143723), (62, 143765), (75, 143930), (76, 143933), (89, 144188), (94, 144227), (97, 144257), (100, 144320), (101, 144341), (102, 144350), (103, 144353), (105, 144386), (109, 144401), (125, 144536), (135, 144611), (139, 144668), (140, 144671),

Gene: JayJay_246 Start: 142096, Stop: 143526, Start Num: 29

Candidate Starts for JayJay_246:

(Start: 29 @142096 has 169 MA's), (38, 142186), (41, 142249), (47, 142372), (49, 142396), (55, 142480), (57, 142522), (62, 142564), (75, 142729), (76, 142732), (89, 142987), (94, 143026), (97, 143056), (100, 143119), (101, 143140), (102, 143149), (103, 143152), (105, 143185), (109, 143200), (125, 143335), (135, 143410), (140, 143470),

Gene: Jaygup_247 Start: 142482, Stop: 143912, Start Num: 29

Candidate Starts for Jaygup_247:

(Start: 29 @142482 has 169 MA's), (38, 142572), (41, 142635), (47, 142758), (49, 142782), (55, 142866), (57, 142908), (62, 142950), (75, 143115), (76, 143118), (89, 143373), (94, 143412), (97, 143442), (100, 143505), (101, 143526), (102, 143535), (103, 143538), (105, 143571), (109, 143586), (125, 143721), (135, 143796), (139, 143853), (140, 143856),

Gene: Jedediah_252 Start: 143535, Stop: 144965, Start Num: 29

Candidate Starts for Jedediah_252:

(Start: 29 @143535 has 169 MA's), (38, 143625), (41, 143688), (47, 143811), (49, 143835), (55, 143919), (57, 143961), (62, 144003), (75, 144168), (76, 144171), (89, 144426), (94, 144465), (97, 144495), (100, 144558), (101, 144579), (102, 144588), (103, 144591), (105, 144624), (109, 144639), (125, 144774), (135, 144849), (139, 144906), (140, 144909),

Gene: Jemmno_250 Start: 142254, Stop: 143684, Start Num: 29

Candidate Starts for Jemmno_250:

(Start: 29 @142254 has 169 MA's), (38, 142344), (41, 142407), (47, 142530), (49, 142554), (55, 142638), (57, 142680), (62, 142722), (75, 142887), (76, 142890), (89, 143145), (94, 143184), (97, 143214), (100, 143277), (101, 143298), (102, 143307), (103, 143310), (105, 143343), (109, 143358), (125, 143493), (135, 143568), (139, 143625), (140, 143628),

Gene: Jessibeth14_250 Start: 143730, Stop: 145160, Start Num: 29

Candidate Starts for Jessibeth14_250:

(Start: 29 @143730 has 169 MA's), (38, 143820), (41, 143883), (47, 144006), (49, 144030), (55, 144114), (57, 144156), (62, 144198), (75, 144363), (76, 144366), (89, 144621), (94, 144660), (97, 144690), (100, 144753), (101, 144774), (102, 144783), (103, 144786), (105, 144819), (109, 144834), (125, 144969), (135, 145044), (140, 145104),

Gene: Jezreel_246 Start: 142799, Stop: 144229, Start Num: 29

Candidate Starts for Jezreel_246:

(Start: 29 @142799 has 169 MA's), (38, 142889), (41, 142952), (47, 143075), (49, 143099), (55, 143183), (57, 143225), (62, 143267), (75, 143432), (76, 143435), (89, 143690), (94, 143729), (97, 143759), (100, 143822), (101, 143843), (102, 143852), (103, 143855), (105, 143888), (109, 143903),

(125, 144038), (135, 144113), (139, 144170), (140, 144173),

Gene: JigglyPuff_256 Start: 144225, Stop: 145655, Start Num: 29

Candidate Starts for JigglyPuff_256:

(Start: 29 @144225 has 169 MA's), (38, 144315), (41, 144378), (47, 144501), (49, 144525), (55, 144609), (57, 144651), (62, 144693), (75, 144858), (76, 144861), (89, 145116), (94, 145155), (97, 145185), (100, 145248), (101, 145269), (102, 145278), (103, 145281), (105, 145314), (109, 145329), (125, 145464), (135, 145539), (139, 145596), (140, 145599),

Gene: JulietS_242 Start: 139834, Stop: 141264, Start Num: 29

Candidate Starts for JulietS_242:

(Start: 29 @139834 has 169 MA's), (38, 139924), (41, 139987), (47, 140110), (49, 140134), (55, 140218), (57, 140260), (62, 140302), (75, 140467), (76, 140470), (89, 140725), (94, 140764), (97, 140794), (100, 140857), (101, 140878), (102, 140887), (103, 140890), (105, 140923), (109, 140938), (125, 141073), (135, 141148), (140, 141208),

Gene: JustHall_244 Start: 141784, Stop: 143214, Start Num: 29

Candidate Starts for JustHall_244:

(Start: 29 @141784 has 169 MA's), (38, 141874), (41, 141937), (47, 142060), (49, 142084), (55, 142168), (57, 142210), (62, 142252), (75, 142417), (76, 142420), (89, 142675), (94, 142714), (97, 142744), (100, 142807), (101, 142828), (102, 142837), (103, 142840), (105, 142873), (109, 142888), (125, 143023), (135, 143098), (139, 143155), (140, 143158),

Gene: Kamryn_249 Start: 143374, Stop: 144804, Start Num: 29

Candidate Starts for Kamryn_249:

(Start: 29 @143374 has 169 MA's), (38, 143464), (39, 143467), (41, 143527), (47, 143650), (49, 143674), (55, 143758), (57, 143800), (62, 143842), (75, 144007), (76, 144010), (89, 144265), (94, 144304), (97, 144334), (100, 144397), (101, 144418), (102, 144427), (103, 144430), (105, 144463), (109, 144478), (125, 144613), (135, 144688), (139, 144745), (140, 144748),

Gene: Kboogie_254 Start: 142413, Stop: 143843, Start Num: 29

Candidate Starts for Kboogie_254:

(Start: 29 @142413 has 169 MA's), (38, 142503), (41, 142566), (47, 142689), (49, 142713), (55, 142797), (57, 142839), (62, 142881), (75, 143046), (76, 143049), (89, 143304), (94, 143343), (97, 143373), (100, 143436), (101, 143457), (102, 143466), (103, 143469), (105, 143502), (109, 143517), (125, 143652), (135, 143727), (139, 143784), (140, 143787),

Gene: Khaleesi_249 Start: 143197, Stop: 144627, Start Num: 29

Candidate Starts for Khaleesi_249:

(Start: 29 @143197 has 169 MA's), (38, 143287), (41, 143350), (47, 143473), (49, 143497), (55, 143581), (57, 143623), (62, 143665), (75, 143830), (76, 143833), (89, 144088), (94, 144127), (97, 144157), (100, 144220), (101, 144241), (102, 144250), (103, 144253), (105, 144286), (109, 144301), (125, 144436), (135, 144511), (140, 144571),

Gene: Koguma_249 Start: 141996, Stop: 143426, Start Num: 29

Candidate Starts for Koguma_249:

(Start: 29 @141996 has 169 MA's), (38, 142086), (41, 142149), (47, 142272), (49, 142296), (55, 142380), (57, 142422), (62, 142464), (75, 142629), (76, 142632), (89, 142887), (94, 142926), (97, 142956), (100, 143019), (101, 143040), (102, 143049), (103, 143052), (105, 143085), (109, 143100), (125, 143235), (135, 143310), (139, 143367), (140, 143370),

Gene: LRRHood_242 Start: 141406, Stop: 142836, Start Num: 29

Candidate Starts for LRRHood_242:

(Start: 29 @141406 has 169 MA's), (38, 141496), (41, 141559), (47, 141682), (49, 141706), (55, 141790), (57, 141832), (62, 141874), (75, 142039), (76, 142042), (89, 142297), (94, 142336), (97, 142366), (100, 142429), (101, 142450), (102, 142459), (103, 142462), (105, 142495), (109, 142510), (125, 142645), (135, 142720), (139, 142777), (140, 142780),

Gene: Lambano_42 Start: 39535, Stop: 41271, Start Num: 16

Candidate Starts for Lambano_42:

(Start: 16 @39535 has 25 MA's), (27, 39610), (30, 39628), (31, 39649), (34, 39664), (40, 39736), (43, 39829), (47, 39901), (49, 39925), (54, 40012), (56, 40027), (72, 40210), (75, 40291), (78, 40372), (80, 40396), (81, 40399), (85, 40441), (90, 40552), (91, 40561), (93, 40570), (98, 40666), (100, 40705), (106, 40774), (113, 40798), (115, 40825), (117, 40855), (128, 40933), (129, 40957), (132, 40975), (133, 40978), (136, 41002), (138, 41047), (146, 41131),

Gene: Latch_250 Start: 141959, Stop: 143389, Start Num: 29

Candidate Starts for Latch_250:

(Start: 29 @141959 has 169 MA's), (38, 142049), (41, 142112), (47, 142235), (49, 142259), (55, 142343), (57, 142385), (62, 142427), (75, 142592), (76, 142595), (89, 142850), (94, 142889), (97, 142919), (100, 142982), (101, 143003), (102, 143012), (103, 143015), (105, 143048), (109, 143063), (125, 143198), (135, 143273), (139, 143330), (140, 143333),

Gene: Lee7_251 Start: 145060, Stop: 146490, Start Num: 29

Candidate Starts for Lee7_251:

(Start: 29 @145060 has 169 MA's), (38, 145150), (41, 145213), (47, 145336), (49, 145360), (55, 145444), (57, 145486), (62, 145528), (75, 145693), (76, 145696), (89, 145951), (94, 145990), (97, 146020), (100, 146083), (101, 146104), (102, 146113), (103, 146116), (105, 146149), (109, 146164), (125, 146299), (135, 146374), (139, 146431), (140, 146434),

Gene: Lethe_251 Start: 143781, Stop: 145211, Start Num: 29

Candidate Starts for Lethe_251:

(Start: 29 @143781 has 169 MA's), (38, 143871), (39, 143874), (41, 143934), (47, 144057), (49, 144081), (55, 144165), (57, 144207), (62, 144249), (75, 144414), (76, 144417), (89, 144672), (94, 144711), (97, 144741), (100, 144804), (101, 144825), (102, 144834), (103, 144837), (105, 144870), (109, 144885), (125, 145020), (135, 145095), (139, 145152), (140, 145155),

Gene: LifeSavor_251 Start: 143187, Stop: 144617, Start Num: 29

Candidate Starts for LifeSavor_251:

(Start: 29 @143187 has 169 MA's), (38, 143277), (41, 143340), (47, 143463), (49, 143487), (55, 143571), (57, 143613), (62, 143655), (75, 143820), (76, 143823), (89, 144078), (94, 144117), (97, 144147), (100, 144210), (101, 144231), (102, 144240), (103, 144243), (105, 144276), (109, 144291), (125, 144426), (135, 144501), (139, 144558), (140, 144561),

Gene: LinStu_247 Start: 141288, Stop: 142718, Start Num: 29

Candidate Starts for LinStu_247:

(20, 141246), (Start: 29 @141288 has 169 MA's), (38, 141378), (41, 141441), (47, 141564), (49, 141588), (55, 141672), (57, 141714), (62, 141756), (75, 141921), (76, 141924), (89, 142179), (94, 142218), (97, 142248), (100, 142311), (101, 142332), (102, 142341), (103, 142344), (105, 142377), (109, 142392), (125, 142527), (135, 142602), (140, 142662),

Gene: Littleton_254 Start: 143196, Stop: 144626, Start Num: 29

Candidate Starts for Littleton_254:

(Start: 29 @143196 has 169 MA's), (38, 143286), (41, 143349), (47, 143472), (49, 143496), (55, 143580), (57, 143622), (62, 143664), (75, 143829), (76, 143832), (89, 144087), (94, 144126), (97, 144156), (100, 144219), (101, 144240), (102, 144249), (103, 144252), (105, 144285), (109, 144300),

(125, 144435), (135, 144510), (139, 144567), (140, 144570),

Gene: Loanshark_247 Start: 142546, Stop: 143976, Start Num: 29

Candidate Starts for Loanshark_247:

(Start: 29 @142546 has 169 MA's), (38, 142636), (41, 142699), (47, 142822), (49, 142846), (55, 142930), (57, 142972), (62, 143014), (75, 143179), (76, 143182), (89, 143437), (94, 143476), (97, 143506), (100, 143569), (101, 143590), (102, 143599), (103, 143602), (105, 143635), (109, 143650), (125, 143785), (135, 143860), (139, 143917), (140, 143920),

Gene: LolaVinca_246 Start: 142799, Stop: 144229, Start Num: 29

Candidate Starts for LolaVinca_246:

(Start: 29 @142799 has 169 MA's), (38, 142889), (41, 142952), (47, 143075), (49, 143099), (55, 143183), (57, 143225), (62, 143267), (75, 143432), (76, 143435), (89, 143690), (94, 143729), (97, 143759), (100, 143822), (101, 143843), (102, 143852), (103, 143855), (105, 143888), (109, 143903), (125, 144038), (135, 144113), (139, 144170), (140, 144173),

Gene: Lolalove_44 Start: 40560, Stop: 42296, Start Num: 16

Candidate Starts for Lolalove_44:

(Start: 16 @40560 has 25 MA's), (27, 40635), (30, 40653), (31, 40674), (34, 40689), (40, 40761), (43, 40854), (47, 40926), (49, 40950), (54, 41037), (56, 41052), (72, 41235), (75, 41316), (78, 41397), (80, 41421), (81, 41424), (85, 41466), (90, 41577), (91, 41586), (93, 41595), (98, 41691), (100, 41730), (106, 41799), (113, 41823), (115, 41850), (117, 41880), (128, 41958), (129, 41982), (132, 42000), (133, 42003), (136, 42027), (138, 42072), (146, 42156),

Gene: LordLeafolot_252 Start: 142412, Stop: 143842, Start Num: 29

Candidate Starts for LordLeafolot_252:

(Start: 29 @142412 has 169 MA's), (38, 142502), (39, 142505), (41, 142565), (47, 142688), (49, 142712), (55, 142796), (57, 142838), (62, 142880), (75, 143045), (76, 143048), (89, 143303), (94, 143342), (97, 143372), (100, 143435), (101, 143456), (102, 143465), (103, 143468), (105, 143501), (109, 143516), (125, 143651), (135, 143726), (139, 143783), (140, 143786),

Gene: Lukilu_239 Start: 143415, Stop: 144845, Start Num: 29

Candidate Starts for Lukilu_239:

(Start: 29 @143415 has 169 MA's), (38, 143505), (39, 143508), (41, 143568), (47, 143691), (49, 143715), (55, 143799), (57, 143841), (62, 143883), (75, 144048), (76, 144051), (89, 144306), (94, 144345), (97, 144375), (100, 144438), (101, 144459), (102, 144468), (103, 144471), (105, 144504), (109, 144519), (125, 144654), (135, 144729), (139, 144786), (140, 144789),

Gene: Maby2021_251 Start: 144099, Stop: 145529, Start Num: 29

Candidate Starts for Maby2021_251:

(Start: 29 @144099 has 169 MA's), (38, 144189), (41, 144252), (47, 144375), (49, 144399), (55, 144483), (57, 144525), (62, 144567), (75, 144732), (76, 144735), (89, 144990), (94, 145029), (97, 145059), (100, 145122), (101, 145143), (102, 145152), (103, 145155), (105, 145188), (109, 145203), (125, 145338), (135, 145413), (139, 145470), (140, 145473),

Gene: Magpie_42 Start: 40402, Stop: 42138, Start Num: 16

Candidate Starts for Magpie_42:

(Start: 16 @40402 has 25 MA's), (27, 40477), (30, 40495), (31, 40516), (34, 40531), (40, 40603), (43, 40696), (47, 40768), (49, 40792), (54, 40879), (56, 40894), (72, 41077), (75, 41158), (78, 41239), (80, 41263), (81, 41266), (85, 41308), (90, 41419), (91, 41428), (93, 41437), (98, 41533), (100, 41572), (106, 41641), (113, 41665), (115, 41692), (117, 41722), (128, 41800), (129, 41824), (132, 41842), (133, 41845), (136, 41869), (138, 41914), (146, 41998),

Gene: Mangeria_250 Start: 143310, Stop: 144740, Start Num: 29

Candidate Starts for Mangeria_250:

(Start: 29 @143310 has 169 MA's), (38, 143400), (41, 143463), (47, 143586), (49, 143610), (55, 143694), (57, 143736), (62, 143778), (75, 143943), (76, 143946), (89, 144201), (94, 144240), (97, 144270), (100, 144333), (101, 144354), (102, 144363), (103, 144366), (105, 144399), (109, 144414), (125, 144549), (135, 144624), (139, 144681), (140, 144684),

Gene: Matsumoto_248 Start: 142401, Stop: 143831, Start Num: 29

Candidate Starts for Matsumoto_248:

(Start: 29 @142401 has 169 MA's), (38, 142491), (41, 142554), (47, 142677), (49, 142701), (55, 142785), (57, 142827), (62, 142869), (75, 143034), (76, 143037), (89, 143292), (94, 143331), (97, 143361), (100, 143424), (101, 143445), (102, 143454), (103, 143457), (105, 143490), (109, 143505), (125, 143640), (135, 143715), (139, 143772), (140, 143775),

Gene: McGee_252 Start: 142747, Stop: 144177, Start Num: 29

Candidate Starts for McGee_252:

(Start: 29 @142747 has 169 MA's), (38, 142837), (41, 142900), (47, 143023), (49, 143047), (55, 143131), (57, 143173), (62, 143215), (75, 143380), (76, 143383), (89, 143638), (94, 143677), (97, 143707), (100, 143770), (101, 143791), (102, 143800), (103, 143803), (105, 143836), (109, 143851), (125, 143986), (135, 144061), (139, 144118), (140, 144121),

Gene: McWolfish_247 Start: 142408, Stop: 143838, Start Num: 29

Candidate Starts for McWolfish_247:

(Start: 29 @142408 has 169 MA's), (38, 142498), (41, 142561), (47, 142684), (49, 142708), (55, 142792), (57, 142834), (62, 142876), (75, 143041), (76, 143044), (89, 143299), (94, 143338), (97, 143368), (100, 143431), (101, 143452), (102, 143461), (103, 143464), (105, 143497), (109, 143512), (125, 143647), (135, 143722), (140, 143782),

Gene: Megamind_247 Start: 142733, Stop: 144163, Start Num: 29

Candidate Starts for Megamind_247:

(Start: 29 @142733 has 169 MA's), (38, 142823), (41, 142886), (47, 143009), (49, 143033), (55, 143117), (57, 143159), (62, 143201), (75, 143366), (76, 143369), (89, 143624), (94, 143663), (97, 143693), (100, 143756), (101, 143777), (102, 143786), (103, 143789), (105, 143822), (109, 143837), (125, 143972), (135, 144047), (139, 144104), (140, 144107),

Gene: Melpomini_245 Start: 141493, Stop: 142923, Start Num: 29

Candidate Starts for Melpomini_245:

(Start: 29 @141493 has 169 MA's), (38, 141583), (41, 141646), (47, 141769), (49, 141793), (55, 141877), (57, 141919), (62, 141961), (75, 142126), (76, 142129), (89, 142384), (94, 142423), (97, 142453), (100, 142516), (101, 142537), (102, 142546), (103, 142549), (105, 142582), (109, 142597), (125, 142732), (135, 142807), (139, 142864), (140, 142867),

Gene: MikeLiesIn_251 Start: 143869, Stop: 145299, Start Num: 29

Candidate Starts for MikeLiesIn_251:

(Start: 29 @143869 has 169 MA's), (38, 143959), (41, 144022), (47, 144145), (49, 144169), (55, 144253), (57, 144295), (62, 144337), (75, 144502), (76, 144505), (89, 144760), (94, 144799), (97, 144829), (100, 144892), (101, 144913), (102, 144922), (103, 144925), (105, 144958), (109, 144973), (125, 145108), (135, 145183), (139, 145240), (140, 145243),

Gene: Mikro_244 Start: 144312, Stop: 145742, Start Num: 29

Candidate Starts for Mikro_244:

(Start: 29 @144312 has 169 MA's), (38, 144402), (39, 144405), (41, 144465), (47, 144588), (49, 144612), (55, 144696), (57, 144738), (62, 144780), (75, 144945), (76, 144948), (89, 145203), (94,

145242), (97, 145272), (100, 145335), (101, 145356), (102, 145365), (103, 145368), (105, 145401), (109, 145416), (125, 145551), (135, 145626), (139, 145683), (140, 145686),

Gene: Mithril_43 Start: 40570, Stop: 42306, Start Num: 16

Candidate Starts for Mithril_43:

(Start: 16 @40570 has 25 MA's), (27, 40645), (30, 40663), (31, 40684), (34, 40699), (40, 40771), (43, 40864), (47, 40936), (49, 40960), (54, 41047), (56, 41062), (73, 41251), (75, 41326), (78, 41407), (80, 41431), (81, 41434), (85, 41476), (90, 41587), (91, 41596), (93, 41605), (98, 41701), (100, 41740), (106, 41809), (113, 41833), (115, 41860), (117, 41890), (128, 41968), (129, 41992), (132, 42010), (133, 42013), (136, 42037), (138, 42082), (146, 42166),

Gene: MoMoMixon_246 Start: 142828, Stop: 144258, Start Num: 29

Candidate Starts for MoMoMixon_246:

(Start: 29 @142828 has 169 MA's), (38, 142918), (39, 142921), (41, 142981), (47, 143104), (49, 143128), (55, 143212), (57, 143254), (62, 143296), (75, 143461), (76, 143464), (89, 143719), (94, 143758), (97, 143788), (100, 143851), (101, 143872), (102, 143881), (103, 143884), (105, 143917), (109, 143932), (125, 144067), (135, 144142), (139, 144199), (140, 144202),

Gene: Momo_252 Start: 141959, Stop: 143389, Start Num: 29

Candidate Starts for Momo_252:

(Start: 29 @141959 has 169 MA's), (38, 142049), (41, 142112), (47, 142235), (49, 142259), (55, 142343), (57, 142385), (62, 142427), (75, 142592), (76, 142595), (89, 142850), (94, 142889), (97, 142919), (100, 142982), (101, 143003), (102, 143012), (103, 143015), (105, 143048), (109, 143063), (125, 143198), (135, 143273), (139, 143330), (140, 143333),

Gene: Morizzled23_248 Start: 141775, Stop: 143205, Start Num: 29

Candidate Starts for Morizzled23_248:

(Start: 29 @141775 has 169 MA's), (38, 141865), (41, 141928), (47, 142051), (49, 142075), (55, 142159), (57, 142201), (62, 142243), (75, 142408), (76, 142411), (89, 142666), (94, 142705), (97, 142735), (100, 142798), (101, 142819), (102, 142828), (103, 142831), (105, 142864), (109, 142879), (125, 143014), (135, 143089), (139, 143146), (140, 143149),

Gene: Mudslide_43 Start: 40826, Stop: 42562, Start Num: 16

Candidate Starts for Mudslide_43:

(Start: 16 @40826 has 25 MA's), (27, 40901), (30, 40919), (31, 40940), (34, 40955), (40, 41027), (43, 41120), (47, 41192), (49, 41216), (54, 41303), (56, 41318), (73, 41507), (75, 41582), (78, 41663), (80, 41687), (81, 41690), (84, 41726), (85, 41732), (90, 41843), (91, 41852), (93, 41861), (98, 41957), (100, 41996), (106, 42065), (113, 42089), (115, 42116), (117, 42146), (127, 42221), (128, 42224), (129, 42248), (132, 42266), (133, 42269), (136, 42293), (138, 42338), (146, 42422),

Gene: Naija_251 Start: 142662, Stop: 144092, Start Num: 29

Candidate Starts for Naija_251:

(Start: 29 @142662 has 169 MA's), (38, 142752), (41, 142815), (47, 142938), (49, 142962), (55, 143046), (57, 143088), (62, 143130), (75, 143295), (76, 143298), (89, 143553), (94, 143592), (97, 143622), (100, 143685), (101, 143706), (102, 143715), (103, 143718), (105, 143751), (109, 143766), (125, 143901), (135, 143976), (139, 144033), (140, 144036),

Gene: Nanao_42 Start: 39522, Stop: 41258, Start Num: 16

Candidate Starts for Nanao_42:

(Start: 16 @39522 has 25 MA's), (27, 39597), (30, 39615), (31, 39636), (34, 39651), (40, 39723), (43, 39816), (47, 39888), (49, 39912), (54, 39999), (56, 40014), (72, 40197), (75, 40278), (78, 40359), (80, 40383), (81, 40386), (85, 40428), (90, 40539), (91, 40548), (93, 40557), (98, 40653), (100, 40692), (106, 40761), (113, 40785), (115, 40812), (117, 40842), (128, 40920), (129, 40944), (132, 40962),

(133, 40965), (136, 40989), (138, 41034), (146, 41118),

Gene: Napoleon13_247 Start: 141691, Stop: 143121, Start Num: 29

Candidate Starts for Napoleon13_247:

(Start: 29 @141691 has 169 MA's), (38, 141781), (41, 141844), (47, 141967), (49, 141991), (55, 142075), (57, 142117), (62, 142159), (75, 142324), (76, 142327), (89, 142582), (94, 142621), (97, 142651), (100, 142714), (101, 142735), (102, 142744), (103, 142747), (105, 142780), (109, 142795), (125, 142930), (135, 143005), (139, 143062), (140, 143065),

Gene: Nappy_249 Start: 143768, Stop: 145198, Start Num: 29

Candidate Starts for Nappy_249:

(Start: 29 @143768 has 169 MA's), (38, 143858), (39, 143861), (41, 143921), (47, 144044), (49, 144068), (55, 144152), (57, 144194), (62, 144236), (75, 144401), (76, 144404), (89, 144659), (94, 144698), (97, 144728), (100, 144791), (101, 144812), (102, 144821), (103, 144824), (105, 144857), (109, 144872), (125, 145007), (135, 145082), (139, 145139), (140, 145142),

Gene: Naval22_255 Start: 144442, Stop: 145872, Start Num: 29

Candidate Starts for Naval22_255:

(Start: 29 @144442 has 169 MA's), (38, 144532), (39, 144535), (41, 144595), (47, 144718), (49, 144742), (55, 144826), (57, 144868), (62, 144910), (75, 145075), (76, 145078), (89, 145333), (94, 145372), (97, 145402), (100, 145465), (101, 145486), (102, 145495), (103, 145498), (105, 145531), (109, 145546), (125, 145681), (135, 145756), (139, 145813), (140, 145816),

Gene: NedWong_249 Start: 143120, Stop: 144550, Start Num: 29

Candidate Starts for NedWong_249:

(Start: 29 @143120 has 169 MA's), (38, 143210), (41, 143273), (47, 143396), (49, 143420), (55, 143504), (57, 143546), (62, 143588), (75, 143753), (76, 143756), (89, 144011), (94, 144050), (97, 144080), (100, 144143), (101, 144164), (102, 144173), (103, 144176), (105, 144209), (109, 144224), (125, 144359), (135, 144434), (139, 144491), (140, 144494),

Gene: Ngannou_245 Start: 141644, Stop: 143074, Start Num: 29

Candidate Starts for Ngannou_245:

(Start: 29 @141644 has 169 MA's), (38, 141734), (41, 141797), (47, 141920), (49, 141944), (55, 142028), (57, 142070), (62, 142112), (75, 142277), (76, 142280), (89, 142535), (94, 142574), (97, 142604), (100, 142667), (101, 142688), (102, 142697), (103, 142700), (105, 142733), (109, 142748), (125, 142883), (135, 142958), (139, 143015), (140, 143018),

Gene: Nidhogg_251 Start: 143488, Stop: 144918, Start Num: 29

Candidate Starts for Nidhogg_251:

(Start: 29 @143488 has 169 MA's), (38, 143578), (39, 143581), (41, 143641), (47, 143764), (49, 143788), (55, 143872), (57, 143914), (62, 143956), (75, 144121), (76, 144124), (89, 144379), (94, 144418), (97, 144448), (100, 144511), (101, 144532), (102, 144541), (103, 144544), (105, 144577), (109, 144592), (125, 144727), (135, 144802), (139, 144859), (140, 144862),

Gene: Nigel_42 Start: 39419, Stop: 41152, Start Num: 16

Candidate Starts for Nigel_42:

(7, 39323), (Start: 16 @39419 has 25 MA's), (27, 39494), (30, 39512), (31, 39533), (32, 39536), (34, 39548), (40, 39620), (43, 39713), (47, 39785), (49, 39809), (54, 39896), (56, 39911), (68, 40031), (73, 40100), (75, 40175), (78, 40256), (80, 40280), (81, 40283), (90, 40436), (91, 40445), (100, 40589), (106, 40655), (113, 40679), (115, 40706), (117, 40736), (127, 40811), (132, 40856), (133, 40859), (136, 40883), (141, 40946), (146, 41012), (148, 41030),

Gene: NoodleTree_246 Start: 138239, Stop: 139669, Start Num: 29

Candidate Starts for NoodleTree_246:

(Start: 29 @138239 has 169 MA's), (38, 138329), (39, 138332), (41, 138392), (47, 138515), (49, 138539), (55, 138623), (57, 138665), (62, 138707), (75, 138872), (76, 138875), (89, 139130), (94, 139169), (97, 139199), (100, 139262), (101, 139283), (102, 139292), (103, 139295), (105, 139328), (109, 139343), (125, 139478), (135, 139553), (140, 139613),

Gene: Norm_250 Start: 143389, Stop: 144819, Start Num: 29

Candidate Starts for Norm_250:

(Start: 29 @143389 has 169 MA's), (38, 143479), (41, 143542), (47, 143665), (49, 143689), (55, 143773), (57, 143815), (62, 143857), (75, 144022), (76, 144025), (89, 144280), (94, 144319), (97, 144349), (100, 144412), (101, 144433), (102, 144442), (103, 144445), (105, 144478), (109, 144493), (125, 144628), (135, 144703), (139, 144760), (140, 144763),

Gene: NuevoMundo_252 Start: 143875, Stop: 145305, Start Num: 29

Candidate Starts for NuevoMundo_252:

(Start: 29 @143875 has 169 MA's), (38, 143965), (41, 144028), (47, 144151), (49, 144175), (55, 144259), (57, 144301), (62, 144343), (75, 144508), (76, 144511), (89, 144766), (94, 144805), (97, 144835), (100, 144898), (101, 144919), (102, 144928), (103, 144931), (105, 144964), (109, 144979), (125, 145114), (135, 145189), (139, 145246), (140, 145249),

Gene: ParkTD_249 Start: 142959, Stop: 144389, Start Num: 29

Candidate Starts for ParkTD_249:

(Start: 29 @142959 has 169 MA's), (38, 143049), (41, 143112), (47, 143235), (49, 143259), (55, 143343), (57, 143385), (62, 143427), (75, 143592), (76, 143595), (89, 143850), (94, 143889), (97, 143919), (100, 143982), (101, 144003), (102, 144012), (103, 144015), (105, 144048), (109, 144063), (125, 144198), (135, 144273), (139, 144330), (140, 144333),

Gene: Patter_252 Start: 142619, Stop: 144049, Start Num: 29

Candidate Starts for Patter_252:

(Start: 29 @142619 has 169 MA's), (38, 142709), (39, 142712), (41, 142772), (47, 142895), (49, 142919), (55, 143003), (57, 143045), (62, 143087), (75, 143252), (76, 143255), (89, 143510), (94, 143549), (97, 143579), (100, 143642), (101, 143663), (102, 143672), (103, 143675), (105, 143708), (109, 143723), (125, 143858), (135, 143933), (139, 143990), (140, 143993),

Gene: PenguinLover67_49 Start: 42209, Stop: 43822, Start Num: 24

Candidate Starts for PenguinLover67_49:

(2, 41603), (4, 41942), (6, 41990), (Start: 24 @42209 has 1 MA's), (36, 42314), (37, 42317), (38, 42323), (39, 42326), (42, 42428), (46, 42500), (47, 42512), (60, 42695), (63, 42710), (65, 42722), (66, 42743), (70, 42812), (75, 42896), (78, 42977), (80, 43001), (83, 43022), (88, 43082), (90, 43145), (91, 43154), (93, 43163), (100, 43292), (101, 43313), (107, 43364), (108, 43370), (114, 43397), (115, 43424), (120, 43475), (121, 43487), (122, 43493), (133, 43577),

Gene: Phlegm_255 Start: 143365, Stop: 144795, Start Num: 29

Candidate Starts for Phlegm_255:

(Start: 29 @143365 has 169 MA's), (38, 143455), (41, 143518), (47, 143641), (49, 143665), (55, 143749), (57, 143791), (62, 143833), (75, 143998), (76, 144001), (89, 144256), (94, 144295), (97, 144325), (100, 144388), (101, 144409), (102, 144418), (103, 144421), (105, 144454), (109, 144469), (125, 144604), (135, 144679), (139, 144736), (140, 144739),

Gene: Phox_251 Start: 142614, Stop: 144044, Start Num: 29

Candidate Starts for Phox_251:

(Start: 29 @142614 has 169 MA's), (38, 142704), (41, 142767), (47, 142890), (49, 142914), (55, 142998), (57, 143040), (62, 143082), (75, 143247), (76, 143250), (89, 143505), (94, 143544), (97,

143574), (100, 143637), (101, 143658), (102, 143667), (103, 143670), (105, 143703), (109, 143718), (125, 143853), (135, 143928), (139, 143985), (140, 143988),

Gene: Phusco_249 Start: 142197, Stop: 143627, Start Num: 29

Candidate Starts for Phusco_249:

(Start: 29 @142197 has 169 MA's), (38, 142287), (41, 142350), (47, 142473), (49, 142497), (55, 142581), (57, 142623), (62, 142665), (75, 142830), (76, 142833), (89, 143088), (94, 143127), (97, 143157), (100, 143220), (101, 143241), (102, 143250), (103, 143253), (105, 143286), (109, 143301), (125, 143436), (135, 143511), (139, 143568), (140, 143571),

Gene: Pier_249 Start: 143490, Stop: 144920, Start Num: 29

Candidate Starts for Pier_249:

(Start: 29 @143490 has 169 MA's), (38, 143580), (41, 143643), (47, 143766), (49, 143790), (55, 143874), (57, 143916), (62, 143958), (75, 144123), (76, 144126), (89, 144381), (94, 144420), (97, 144450), (100, 144513), (101, 144534), (102, 144543), (103, 144546), (105, 144579), (109, 144594), (125, 144729), (135, 144804), (139, 144861), (140, 144864),

Gene: Pinkcreek_230 Start: 139816, Stop: 141246, Start Num: 29

Candidate Starts for Pinkcreek_230:

(20, 139774), (Start: 29 @139816 has 169 MA's), (38, 139906), (41, 139969), (47, 140092), (49, 140116), (55, 140200), (57, 140242), (62, 140284), (75, 140449), (76, 140452), (89, 140707), (94, 140746), (97, 140776), (100, 140839), (101, 140860), (102, 140869), (103, 140872), (105, 140905), (109, 140920), (125, 141055), (135, 141130), (140, 141190),

Gene: Pio_257 Start: 144693, Stop: 146123, Start Num: 29

Candidate Starts for Pio_257:

(Start: 29 @144693 has 169 MA's), (38, 144783), (41, 144846), (47, 144969), (49, 144993), (55, 145077), (57, 145119), (62, 145161), (75, 145326), (76, 145329), (89, 145584), (94, 145623), (97, 145653), (100, 145716), (101, 145737), (102, 145746), (103, 145749), (105, 145782), (109, 145797), (125, 145932), (135, 146007), (139, 146064), (140, 146067),

Gene: Pivoine_251 Start: 142662, Stop: 144092, Start Num: 29

Candidate Starts for Pivoine_251:

(Start: 29 @142662 has 169 MA's), (38, 142752), (41, 142815), (47, 142938), (49, 142962), (55, 143046), (57, 143088), (62, 143130), (75, 143295), (76, 143298), (89, 143553), (94, 143592), (97, 143622), (100, 143685), (101, 143706), (102, 143715), (103, 143718), (105, 143751), (109, 143766), (125, 143901), (135, 143976), (139, 144033), (140, 144036),

Gene: Pleione_254 Start: 143425, Stop: 144855, Start Num: 29

Candidate Starts for Pleione_254:

(Start: 29 @143425 has 169 MA's), (38, 143515), (41, 143578), (47, 143701), (49, 143725), (55, 143809), (57, 143851), (62, 143893), (75, 144058), (76, 144061), (89, 144316), (94, 144355), (97, 144385), (100, 144448), (101, 144469), (102, 144478), (103, 144481), (105, 144514), (109, 144529), (125, 144664), (135, 144739), (139, 144796), (140, 144799),

Gene: Poster_42 Start: 39523, Stop: 41259, Start Num: 16

Candidate Starts for Poster_42:

(Start: 16 @39523 has 25 MA's), (27, 39598), (30, 39616), (31, 39637), (34, 39652), (40, 39724), (43, 39817), (47, 39889), (49, 39913), (54, 40000), (56, 40015), (72, 40198), (75, 40279), (78, 40360), (80, 40384), (81, 40387), (85, 40429), (90, 40540), (91, 40549), (93, 40558), (98, 40654), (100, 40693), (106, 40762), (113, 40786), (115, 40813), (117, 40843), (128, 40921), (129, 40945), (132, 40963), (133, 40966), (136, 40990), (138, 41035), (146, 41119),

Gene: Prince_43 Start: 40736, Stop: 42472, Start Num: 16

Candidate Starts for Prince_43:

(Start: 16 @40736 has 25 MA's), (27, 40811), (30, 40829), (31, 40850), (34, 40865), (40, 40937), (43, 41030), (47, 41102), (49, 41126), (54, 41213), (56, 41228), (73, 41417), (75, 41492), (78, 41573), (80, 41597), (81, 41600), (90, 41753), (91, 41762), (93, 41771), (98, 41867), (100, 41906), (106, 41975), (113, 41999), (115, 42026), (117, 42056), (128, 42134), (129, 42158), (132, 42176), (133, 42179), (138, 42248), (146, 42332),

Gene: PurduePete_251 Start: 144139, Stop: 145569, Start Num: 29

Candidate Starts for PurduePete_251:

(Start: 29 @144139 has 169 MA's), (38, 144229), (41, 144292), (47, 144415), (49, 144439), (55, 144523), (57, 144565), (62, 144607), (75, 144772), (76, 144775), (89, 145030), (94, 145069), (97, 145099), (100, 145162), (101, 145183), (102, 145192), (103, 145195), (105, 145228), (109, 145243), (125, 145378), (135, 145453), (140, 145513),

Gene: QBert_242 Start: 141012, Stop: 142442, Start Num: 29

Candidate Starts for QBert_242:

(Start: 29 @141012 has 169 MA's), (38, 141102), (41, 141165), (47, 141288), (49, 141312), (55, 141396), (57, 141438), (62, 141480), (75, 141645), (76, 141648), (89, 141903), (94, 141942), (97, 141972), (100, 142035), (101, 142056), (102, 142065), (103, 142068), (105, 142101), (109, 142116), (125, 142251), (135, 142326), (139, 142383), (140, 142386),

Gene: Quasimodo_253 Start: 142998, Stop: 144428, Start Num: 29

Candidate Starts for Quasimodo_253:

(Start: 29 @142998 has 169 MA's), (38, 143088), (41, 143151), (47, 143274), (49, 143298), (55, 143382), (57, 143424), (62, 143466), (75, 143631), (76, 143634), (89, 143889), (94, 143928), (97, 143958), (100, 144021), (101, 144042), (102, 144051), (103, 144054), (105, 144087), (109, 144102), (125, 144237), (135, 144312), (139, 144369), (140, 144372),

Gene: QueenPie_42 Start: 40647, Stop: 42371, Start Num: 16

Candidate Starts for QueenPie_42:

(Start: 16 @40647 has 25 MA's), (27, 40722), (30, 40740), (31, 40761), (34, 40776), (40, 40848), (43, 40941), (47, 41001), (49, 41025), (54, 41112), (56, 41127), (72, 41310), (73, 41316), (75, 41391), (78, 41472), (80, 41496), (85, 41541), (90, 41652), (91, 41661), (93, 41670), (100, 41805), (106, 41874), (113, 41898), (115, 41925), (117, 41955), (127, 42030), (128, 42033), (129, 42057), (132, 42075), (133, 42078), (136, 42102), (138, 42147), (146, 42231),

Gene: Quesadilla_49 Start: 42178, Stop: 43833, Start Num: 22

Candidate Starts for Quesadilla_49:

(9, 42043), (10, 42052), (12, 42058), (14, 42076), (Start: 22 @42178 has 4 MA's), (Start: 25 @42187 has 1 MA's), (39, 42301), (45, 42442), (46, 42481), (47, 42493), (50, 42532), (64, 42697), (72, 42811), (73, 42817), (75, 42892), (77, 42931), (78, 42973), (81, 43000), (86, 43054), (87, 43069), (91, 43159), (100, 43303), (111, 43387), (123, 43498), (124, 43510), (131, 43570), (136, 43600), (143, 43690), (146, 43720), (151, 43822),

Gene: Rabinovish_243 Start: 141502, Stop: 142932, Start Num: 29

Candidate Starts for Rabinovish_243:

(Start: 29 @141502 has 169 MA's), (41, 141655), (47, 141778), (49, 141802), (55, 141886), (57, 141928), (62, 141970), (75, 142135), (76, 142138), (89, 142393), (94, 142432), (97, 142462), (100, 142525), (101, 142546), (102, 142555), (103, 142558), (105, 142591), (109, 142606), (125, 142741), (135, 142816), (139, 142873), (140, 142876),

Gene: Rahel_252 Start: 143100, Stop: 144530, Start Num: 29

Candidate Starts for Rahel_252:

(Start: 29 @143100 has 169 MA's), (38, 143190), (41, 143253), (47, 143376), (49, 143400), (55, 143484), (57, 143526), (62, 143568), (75, 143733), (76, 143736), (89, 143991), (94, 144030), (97, 144060), (100, 144123), (101, 144144), (102, 144153), (103, 144156), (105, 144189), (109, 144204), (125, 144339), (135, 144414), (139, 144471), (140, 144474),

Gene: RawrgerThat_44 Start: 40581, Stop: 42323, Start Num: 16

Candidate Starts for RawrgerThat_44:

(Start: 16 @40581 has 25 MA's), (27, 40656), (30, 40674), (31, 40695), (34, 40710), (40, 40782), (43, 40875), (47, 40947), (49, 40971), (54, 41058), (56, 41073), (72, 41256), (75, 41337), (78, 41418), (80, 41442), (81, 41445), (85, 41487), (90, 41598), (91, 41607), (93, 41616), (98, 41712), (100, 41751), (106, 41820), (113, 41844), (115, 41871), (117, 41901), (128, 41979), (129, 42003), (132, 42021), (133, 42024), (136, 42048), (138, 42093), (146, 42177),

Gene: Rizal_239 Start: 140915, Stop: 142345, Start Num: 29

Candidate Starts for Rizal_239:

(Start: 29 @140915 has 169 MA's), (38, 141005), (41, 141068), (47, 141191), (49, 141215), (55, 141299), (57, 141341), (62, 141383), (75, 141548), (76, 141551), (89, 141806), (94, 141845), (97, 141875), (100, 141938), (101, 141959), (102, 141968), (103, 141971), (105, 142004), (109, 142019), (125, 142154), (135, 142229), (139, 142286), (140, 142289),

Gene: RoMag_245 Start: 142696, Stop: 144126, Start Num: 29

Candidate Starts for RoMag_245:

(Start: 29 @142696 has 169 MA's), (38, 142786), (39, 142789), (41, 142849), (47, 142972), (49, 142996), (55, 143080), (57, 143122), (62, 143164), (75, 143329), (76, 143332), (89, 143587), (94, 143626), (97, 143656), (100, 143719), (101, 143740), (102, 143749), (103, 143752), (105, 143785), (109, 143800), (125, 143935), (135, 144010), (139, 144067), (140, 144070),

Gene: Ronan_246 Start: 141077, Stop: 142507, Start Num: 29

Candidate Starts for Ronan_246:

(20, 141035), (Start: 29 @141077 has 169 MA's), (38, 141167), (41, 141230), (47, 141353), (49, 141377), (55, 141461), (57, 141503), (62, 141545), (75, 141710), (76, 141713), (89, 141968), (94, 142007), (97, 142037), (100, 142100), (101, 142121), (102, 142130), (103, 142133), (105, 142166), (109, 142181), (125, 142316), (135, 142391), (140, 142451),

Gene: Roots515_253 Start: 144241, Stop: 145671, Start Num: 29

Candidate Starts for Roots515_253:

(Start: 29 @144241 has 169 MA's), (38, 144331), (41, 144394), (47, 144517), (49, 144541), (55, 144625), (57, 144667), (62, 144709), (75, 144874), (76, 144877), (89, 145132), (94, 145171), (97, 145201), (100, 145264), (101, 145285), (102, 145294), (103, 145297), (105, 145330), (109, 145345), (125, 145480), (135, 145555), (139, 145612), (140, 145615),

Gene: SVoro_246 Start: 142998, Stop: 144428, Start Num: 29

Candidate Starts for SVoro_246:

(Start: 29 @142998 has 169 MA's), (38, 143088), (41, 143151), (47, 143274), (49, 143298), (55, 143382), (57, 143424), (62, 143466), (75, 143631), (76, 143634), (89, 143889), (94, 143928), (97, 143958), (100, 144021), (101, 144042), (102, 144051), (103, 144054), (105, 144087), (109, 144102), (125, 144237), (135, 144312), (140, 144372),

Gene: Saguaro_49 Start: 41855, Stop: 43441, Start Num: 22

Candidate Starts for Saguaro_49:

(8, 41702), (11, 41720), (12, 41723), (13, 41735), (15, 41759), (18, 41813), (Start: 22 @41855 has 4 MA's), (Start: 25 @41864 has 1 MA's), (36, 41969), (39, 41981), (42, 42083), (44, 42110), (46, 42155),

(47, 42167), (51, 42221), (71, 42464), (72, 42479), (75, 42545), (79, 42632), (88, 42731), (90, 42794), (91, 42803), (99, 42929), (100, 42941), (107, 43013), (113, 43037), (115, 43064), (117, 43094), (118, 43100), (129, 43196), (132, 43214), (133, 43217), (142, 43313),

Gene: Salacia_252 Start: 144565, Stop: 145995, Start Num: 29

Candidate Starts for Salacia_252:

(Start: 29 @144565 has 169 MA's), (38, 144655), (41, 144718), (47, 144841), (49, 144865), (55, 144949), (57, 144991), (62, 145033), (75, 145198), (76, 145201), (89, 145456), (94, 145495), (97, 145525), (100, 145588), (101, 145609), (102, 145618), (103, 145621), (105, 145654), (109, 145669), (125, 145804), (135, 145879), (139, 145936), (140, 145939),

Gene: Sauce_247 Start: 142424, Stop: 143854, Start Num: 29

Candidate Starts for Sauce_247:

(Start: 29 @142424 has 169 MA's), (38, 142514), (41, 142577), (47, 142700), (49, 142724), (55, 142808), (57, 142850), (62, 142892), (75, 143057), (76, 143060), (89, 143315), (94, 143354), (97, 143384), (100, 143447), (101, 143468), (102, 143477), (103, 143480), (105, 143513), (109, 143528), (125, 143663), (135, 143738), (139, 143795), (140, 143798),

Gene: ScottMcG_242 Start: 141625, Stop: 143055, Start Num: 29

Candidate Starts for ScottMcG_242:

(Start: 29 @141625 has 169 MA's), (38, 141715), (41, 141778), (47, 141901), (49, 141925), (55, 142009), (57, 142051), (62, 142093), (75, 142258), (76, 142261), (89, 142516), (94, 142555), (97, 142585), (100, 142648), (101, 142669), (102, 142678), (103, 142681), (105, 142714), (109, 142729), (125, 142864), (135, 142939), (139, 142996), (140, 142999),

Gene: Sebata_250 Start: 143284, Stop: 144714, Start Num: 29

Candidate Starts for Sebata_250:

(Start: 29 @143284 has 169 MA's), (38, 143374), (41, 143437), (47, 143560), (49, 143584), (55, 143668), (57, 143710), (62, 143752), (75, 143917), (76, 143920), (89, 144175), (94, 144214), (97, 144244), (100, 144307), (101, 144328), (102, 144337), (103, 144340), (105, 144373), (109, 144388), (125, 144523), (135, 144598), (140, 144658),

Gene: Shaqnato_241 Start: 141833, Stop: 143263, Start Num: 29

Candidate Starts for Shaqnato_241:

(Start: 29 @141833 has 169 MA's), (38, 141923), (41, 141986), (47, 142109), (49, 142133), (55, 142217), (57, 142259), (62, 142301), (75, 142466), (76, 142469), (89, 142724), (94, 142763), (97, 142793), (100, 142856), (101, 142877), (102, 142886), (103, 142889), (105, 142922), (109, 142937), (125, 143072), (135, 143147), (140, 143207),

Gene: Shelob_251 Start: 144559, Stop: 145989, Start Num: 29

Candidate Starts for Shelob_251:

(Start: 29 @144559 has 169 MA's), (38, 144649), (41, 144712), (47, 144835), (49, 144859), (55, 144943), (57, 144985), (62, 145027), (75, 145192), (76, 145195), (89, 145450), (94, 145489), (97, 145519), (100, 145582), (101, 145603), (102, 145612), (103, 145615), (105, 145648), (109, 145663), (125, 145798), (135, 145873), (139, 145930), (140, 145933),

Gene: ShiaLabeouf_248 Start: 142418, Stop: 143848, Start Num: 29

Candidate Starts for ShiaLabeouf_248:

(Start: 29 @142418 has 169 MA's), (38, 142508), (41, 142571), (47, 142694), (49, 142718), (55, 142802), (57, 142844), (62, 142886), (75, 143051), (76, 143054), (89, 143309), (94, 143348), (97, 143378), (100, 143441), (101, 143462), (102, 143471), (103, 143474), (105, 143507), (109, 143522), (125, 143657), (135, 143732), (139, 143789), (140, 143792),

Gene: Shifa_226 Start: 141892, Stop: 143322, Start Num: 29

Candidate Starts for Shifa_226:

(Start: 29 @141892 has 169 MA's), (38, 141982), (41, 142045), (47, 142168), (49, 142192), (55, 142276), (57, 142318), (62, 142360), (75, 142525), (76, 142528), (89, 142783), (94, 142822), (97, 142852), (100, 142915), (101, 142936), (102, 142945), (103, 142948), (105, 142981), (109, 142996), (125, 143131), (135, 143206), (140, 143266),

Gene: Shnickers_249 Start: 142482, Stop: 143912, Start Num: 29

Candidate Starts for Shnickers_249:

(Start: 29 @142482 has 169 MA's), (38, 142572), (41, 142635), (47, 142758), (49, 142782), (55, 142866), (57, 142908), (62, 142950), (75, 143115), (76, 143118), (89, 143373), (94, 143412), (97, 143442), (100, 143505), (101, 143526), (102, 143535), (103, 143538), (105, 143571), (109, 143586), (125, 143721), (135, 143796), (139, 143853), (140, 143856),

Gene: Shrimp_253 Start: 144176, Stop: 145606, Start Num: 29

Candidate Starts for Shrimp_253:

(Start: 29 @144176 has 169 MA's), (38, 144266), (41, 144329), (47, 144452), (49, 144476), (55, 144560), (57, 144602), (62, 144644), (75, 144809), (76, 144812), (89, 145067), (94, 145106), (97, 145136), (100, 145199), (101, 145220), (102, 145229), (103, 145232), (105, 145265), (109, 145280), (125, 145415), (135, 145490), (139, 145547), (140, 145550),

Gene: SilverDipper_255 Start: 143218, Stop: 144648, Start Num: 29

Candidate Starts for SilverDipper_255:

(Start: 29 @143218 has 169 MA's), (38, 143308), (41, 143371), (47, 143494), (49, 143518), (55, 143602), (57, 143644), (62, 143686), (75, 143851), (76, 143854), (89, 144109), (94, 144148), (97, 144178), (100, 144241), (101, 144262), (102, 144271), (103, 144274), (105, 144307), (109, 144322), (125, 144457), (135, 144532), (139, 144589), (140, 144592),

Gene: SmallFry_251 Start: 142576, Stop: 144006, Start Num: 29

Candidate Starts for SmallFry_251:

(Start: 29 @142576 has 169 MA's), (38, 142666), (41, 142729), (47, 142852), (49, 142876), (55, 142960), (57, 143002), (62, 143044), (75, 143209), (76, 143212), (89, 143467), (94, 143506), (97, 143536), (100, 143599), (101, 143620), (102, 143629), (103, 143632), (105, 143665), (109, 143680), (125, 143815), (135, 143890), (139, 143947), (140, 143950),

Gene: Spec_244 Start: 142588, Stop: 144018, Start Num: 29

Candidate Starts for Spec_244:

(Start: 29 @142588 has 169 MA's), (38, 142678), (41, 142741), (47, 142864), (49, 142888), (55, 142972), (57, 143014), (62, 143056), (75, 143221), (76, 143224), (89, 143479), (94, 143518), (97, 143548), (100, 143611), (101, 143632), (102, 143641), (103, 143644), (105, 143677), (109, 143692), (125, 143827), (135, 143902), (139, 143959), (140, 143962),

Gene: Specks_255 Start: 143516, Stop: 144946, Start Num: 29

Candidate Starts for Specks_255:

(Start: 29 @143516 has 169 MA's), (38, 143606), (41, 143669), (47, 143792), (49, 143816), (55, 143900), (57, 143942), (62, 143984), (75, 144149), (76, 144152), (89, 144407), (94, 144446), (97, 144476), (100, 144539), (101, 144560), (102, 144569), (103, 144572), (105, 144605), (109, 144620), (125, 144755), (135, 144830), (139, 144887), (140, 144890),

Gene: Sprinklers_248 Start: 142284, Stop: 143714, Start Num: 29

Candidate Starts for Sprinklers_248:

(Start: 29 @142284 has 169 MA's), (38, 142374), (41, 142437), (47, 142560), (49, 142584), (55, 142668), (57, 142710), (62, 142752), (75, 142917), (76, 142920), (89, 143175), (94, 143214), (97,

143244), (100, 143307), (101, 143328), (102, 143337), (103, 143340), (105, 143373), (109, 143388), (125, 143523), (135, 143598), (139, 143655), (140, 143658),

Gene: Spud_242 Start: 142033, Stop: 143463, Start Num: 29

Candidate Starts for Spud_242:

(Start: 29 @142033 has 169 MA's), (38, 142123), (41, 142186), (47, 142309), (49, 142333), (55, 142417), (57, 142459), (62, 142501), (75, 142666), (76, 142669), (89, 142924), (94, 142963), (97, 142993), (100, 143056), (101, 143077), (102, 143086), (103, 143089), (105, 143122), (109, 143137), (125, 143272), (135, 143347), (139, 143404), (140, 143407),

Gene: SrishMeg2525_248 Start: 143671, Stop: 145101, Start Num: 29

Candidate Starts for SrishMeg2525_248:

(Start: 29 @143671 has 169 MA's), (38, 143761), (41, 143824), (47, 143947), (49, 143971), (55, 144055), (57, 144097), (62, 144139), (75, 144304), (76, 144307), (89, 144562), (94, 144601), (97, 144631), (100, 144694), (101, 144715), (102, 144724), (103, 144727), (105, 144760), (109, 144775), (125, 144910), (135, 144985), (139, 145042), (140, 145045),

Gene: StAugustine_56 Start: 44382, Stop: 45980, Start Num: 16

Candidate Starts for StAugustine_56:

(Start: 16 @44382 has 25 MA's), (21, 44430), (34, 44499), (42, 44601), (45, 44640), (46, 44679), (47, 44691), (53, 44793), (59, 44868), (67, 44946), (75, 45102), (78, 45183), (80, 45207), (81, 45210), (82, 45213), (91, 45372), (92, 45375), (93, 45381), (100, 45516), (104, 45555), (106, 45591), (113, 45615), (131, 45789), (136, 45822), (145, 45936), (149, 45969),

Gene: StephanieG_244 Start: 143219, Stop: 144649, Start Num: 29

Candidate Starts for StephanieG_244:

(Start: 29 @143219 has 169 MA's), (38, 143309), (39, 143312), (41, 143372), (47, 143495), (49, 143519), (55, 143603), (57, 143645), (62, 143687), (75, 143852), (76, 143855), (89, 144110), (94, 144149), (97, 144179), (100, 144242), (101, 144263), (102, 144272), (103, 144275), (105, 144308), (109, 144323), (125, 144458), (135, 144533), (139, 144590), (140, 144593),

Gene: Stinger_42 Start: 39109, Stop: 40842, Start Num: 16

Candidate Starts for Stinger_42:

(7, 39013), (Start: 16 @39109 has 25 MA's), (26, 39178), (30, 39202), (31, 39223), (32, 39226), (34, 39238), (40, 39310), (43, 39403), (47, 39475), (49, 39499), (56, 39601), (73, 39790), (75, 39865), (78, 39946), (80, 39970), (81, 39973), (85, 40015), (90, 40126), (91, 40135), (100, 40279), (106, 40345), (113, 40369), (115, 40396), (117, 40426), (127, 40501), (132, 40546), (136, 40573), (141, 40636),

Gene: Stubby_233 Start: 140004, Stop: 141434, Start Num: 29

Candidate Starts for Stubby_233:

(20, 139962), (Start: 29 @140004 has 169 MA's), (38, 140094), (41, 140157), (47, 140280), (49, 140304), (55, 140388), (57, 140430), (62, 140472), (75, 140637), (76, 140640), (89, 140895), (94, 140934), (97, 140964), (100, 141027), (101, 141048), (102, 141057), (103, 141060), (105, 141093), (109, 141108), (125, 141243), (135, 141318), (140, 141378),

Gene: StubbySaigey_257 Start: 143201, Stop: 144631, Start Num: 29

Candidate Starts for StubbySaigey_257:

(Start: 29 @143201 has 169 MA's), (38, 143291), (41, 143354), (47, 143477), (49, 143501), (55, 143585), (57, 143627), (62, 143669), (75, 143834), (76, 143837), (89, 144092), (94, 144131), (97, 144161), (100, 144224), (101, 144245), (102, 144254), (103, 144257), (105, 144290), (109, 144305), (125, 144440), (135, 144515), (139, 144572), (140, 144575),

Gene: Tainan_250 Start: 142139, Stop: 143569, Start Num: 29

Candidate Starts for Tainan_250:

(Start: 29 @142139 has 169 MA's), (38, 142229), (39, 142232), (41, 142292), (47, 142415), (49, 142439), (55, 142523), (57, 142565), (62, 142607), (75, 142772), (76, 142775), (89, 143030), (94, 143069), (97, 143099), (100, 143162), (101, 143183), (102, 143192), (103, 143195), (105, 143228), (109, 143243), (125, 143378), (135, 143453), (139, 143510), (140, 143513),

Gene: Teardrop_249 Start: 142528, Stop: 143958, Start Num: 29

Candidate Starts for Teardrop_249:

(Start: 29 @142528 has 169 MA's), (38, 142618), (41, 142681), (47, 142804), (49, 142828), (55, 142912), (57, 142954), (62, 142996), (75, 143161), (76, 143164), (89, 143419), (94, 143458), (97, 143488), (100, 143551), (101, 143572), (102, 143581), (103, 143584), (105, 143617), (109, 143632), (125, 143767), (135, 143842), (139, 143899), (140, 143902),

Gene: Thonko_46 Start: 38334, Stop: 39899, Start Num: 22

Candidate Starts for Thonko_46:

(Start: 22 @38334 has 4 MA's), (Start: 25 @38343 has 1 MA's), (35, 38418), (36, 38454), (39, 38466), (45, 38607), (46, 38646), (47, 38658), (48, 38664), (53, 38760), (61, 38865), (69, 38952), (70, 38967), (74, 39015), (75, 39051), (86, 39213), (90, 39300), (91, 39309), (100, 39453), (107, 39519), (110, 39534), (113, 39543), (115, 39570), (126, 39672), (129, 39702), (132, 39720), (144, 39846),

Gene: TinyTim_249 Start: 142495, Stop: 143925, Start Num: 29

Candidate Starts for TinyTim_249:

(Start: 29 @142495 has 169 MA's), (38, 142585), (41, 142648), (47, 142771), (49, 142795), (55, 142879), (57, 142921), (62, 142963), (75, 143128), (76, 143131), (89, 143386), (94, 143425), (97, 143455), (100, 143518), (101, 143539), (102, 143548), (103, 143551), (105, 143584), (109, 143599), (125, 143734), (135, 143809), (139, 143866), (140, 143869),

Gene: Tortoise16_248 Start: 142508, Stop: 143938, Start Num: 29

Candidate Starts for Tortoise16_248:

(Start: 29 @142508 has 169 MA's), (38, 142598), (41, 142661), (47, 142784), (49, 142808), (55, 142892), (57, 142934), (62, 142976), (75, 143141), (76, 143144), (89, 143399), (94, 143438), (97, 143468), (100, 143531), (101, 143552), (102, 143561), (103, 143564), (105, 143597), (109, 143612), (125, 143747), (135, 143822), (139, 143879), (140, 143882),

Gene: Trinitium_247 Start: 141249, Stop: 142679, Start Num: 29

Candidate Starts for Trinitium_247:

(Start: 29 @141249 has 169 MA's), (38, 141339), (41, 141402), (47, 141525), (49, 141549), (55, 141633), (57, 141675), (62, 141717), (75, 141882), (76, 141885), (89, 142140), (94, 142179), (97, 142209), (100, 142272), (101, 142293), (102, 142302), (103, 142305), (105, 142338), (109, 142353), (125, 142488), (135, 142563), (139, 142620), (140, 142623),

Gene: Turret_241 Start: 140382, Stop: 141812, Start Num: 29

Candidate Starts for Turret_241:

(Start: 29 @140382 has 169 MA's), (38, 140472), (41, 140535), (47, 140658), (49, 140682), (55, 140766), (57, 140808), (62, 140850), (75, 141015), (76, 141018), (89, 141273), (94, 141312), (97, 141342), (100, 141405), (101, 141426), (102, 141435), (103, 141438), (105, 141471), (109, 141486), (125, 141621), (135, 141696), (139, 141753), (140, 141756),

Gene: Tyke_247 Start: 144631, Stop: 146061, Start Num: 29

Candidate Starts for Tyke_247:

(Start: 29 @144631 has 169 MA's), (38, 144721), (41, 144784), (47, 144907), (49, 144931), (55, 145015), (57, 145057), (62, 145099), (75, 145264), (76, 145267), (89, 145522), (94, 145561), (97, 145591), (100, 145654), (101, 145675), (102, 145684), (103, 145687), (105, 145720), (109, 145735),

(125, 145870), (135, 145945), (139, 146002), (140, 146005),

Gene: ValleyTerrace_251 Start: 141959, Stop: 143389, Start Num: 29

Candidate Starts for ValleyTerrace_251:

(Start: 29 @141959 has 169 MA's), (38, 142049), (41, 142112), (47, 142235), (49, 142259), (55, 142343), (57, 142385), (62, 142427), (75, 142592), (76, 142595), (89, 142850), (94, 142889), (97, 142919), (100, 142982), (101, 143003), (102, 143012), (103, 143015), (105, 143048), (109, 143063), (125, 143198), (135, 143273), (139, 143330), (140, 143333),

Gene: Vincenzo_44 Start: 41174, Stop: 42871, Start Num: 16

Candidate Starts for Vincenzo_44:

(Start: 16 @41174 has 25 MA's), (26, 41243), (27, 41249), (30, 41267), (31, 41288), (34, 41303), (40, 41375), (43, 41468), (47, 41540), (49, 41564), (56, 41666), (75, 41927), (78, 42008), (80, 42032), (81, 42035), (90, 42188), (91, 42197), (93, 42206), (95, 42230), (100, 42341), (106, 42410), (113, 42434), (114, 42437), (115, 42461), (117, 42491), (127, 42566), (129, 42593), (132, 42611), (136, 42638), (145, 42764),

Gene: VioletZ_45 Start: 40652, Stop: 42388, Start Num: 16

Candidate Starts for VioletZ_45:

(Start: 16 @40652 has 25 MA's), (27, 40727), (30, 40745), (31, 40766), (34, 40781), (40, 40853), (43, 40946), (47, 41018), (49, 41042), (54, 41129), (56, 41144), (73, 41333), (75, 41408), (78, 41489), (80, 41513), (81, 41516), (90, 41669), (91, 41678), (93, 41687), (98, 41783), (100, 41822), (106, 41891), (113, 41915), (115, 41942), (117, 41972), (128, 42050), (129, 42074), (132, 42092), (133, 42095), (138, 42164), (146, 42248),

Gene: Waleliano_43 Start: 40576, Stop: 42312, Start Num: 16

Candidate Starts for Waleliano_43:

(Start: 16 @40576 has 25 MA's), (27, 40651), (30, 40669), (31, 40690), (34, 40705), (40, 40777), (43, 40870), (47, 40942), (49, 40966), (54, 41053), (56, 41068), (72, 41251), (75, 41332), (78, 41413), (80, 41437), (81, 41440), (85, 41482), (90, 41593), (91, 41602), (93, 41611), (98, 41707), (100, 41746), (106, 41815), (113, 41839), (115, 41866), (117, 41896), (127, 41971), (128, 41974), (129, 41998), (130, 42004), (132, 42016), (133, 42019), (136, 42043), (138, 42088), (146, 42172),

Gene: Wally_248 Start: 141943, Stop: 143373, Start Num: 29

Candidate Starts for Wally_248:

(Start: 29 @141943 has 169 MA's), (38, 142033), (41, 142096), (47, 142219), (49, 142243), (55, 142327), (57, 142369), (62, 142411), (75, 142576), (76, 142579), (89, 142834), (94, 142873), (97, 142903), (100, 142966), (101, 142987), (102, 142996), (103, 142999), (105, 143032), (109, 143047), (125, 143182), (135, 143257), (139, 143314), (140, 143317),

Gene: Willis_251 Start: 142882, Stop: 144312, Start Num: 29

Candidate Starts for Willis_251:

(Start: 29 @142882 has 169 MA's), (38, 142972), (41, 143035), (47, 143158), (49, 143182), (55, 143266), (57, 143308), (62, 143350), (75, 143515), (76, 143518), (89, 143773), (94, 143812), (97, 143842), (100, 143905), (101, 143926), (102, 143935), (103, 143938), (105, 143971), (109, 143986), (125, 144121), (135, 144196), (139, 144253), (140, 144256),

Gene: Xincheng_42 Start: 40012, Stop: 41748, Start Num: 16

Candidate Starts for Xincheng_42:

(Start: 16 @40012 has 25 MA's), (19, 40057), (27, 40087), (30, 40105), (31, 40126), (34, 40141), (40, 40213), (43, 40306), (47, 40378), (49, 40402), (54, 40489), (56, 40504), (68, 40624), (72, 40687), (73, 40693), (75, 40768), (78, 40849), (80, 40873), (81, 40876), (90, 41029), (91, 41038), (93, 41047), (100, 41182), (106, 41251), (112, 41269), (115, 41302), (117, 41332), (128, 41410), (129, 41434), (132,

41452), (136, 41479), (138, 41524), (143, 41578), (146, 41608),

Gene: Yassified_246 Start: 142078, Stop: 143508, Start Num: 29

Candidate Starts for Yassified_246:

(20, 142036), (Start: 29 @142078 has 169 MA's), (38, 142168), (41, 142231), (47, 142354), (49, 142378), (55, 142462), (57, 142504), (62, 142546), (75, 142711), (76, 142714), (89, 142969), (94, 143008), (97, 143038), (100, 143101), (101, 143122), (102, 143131), (103, 143134), (105, 143167), (109, 143182), (125, 143317), (135, 143392), (140, 143452),

Gene: YemiJoy2021_251 Start: 143613, Stop: 145043, Start Num: 29

Candidate Starts for YemiJoy2021_251:

(Start: 29 @143613 has 169 MA's), (38, 143703), (41, 143766), (47, 143889), (49, 143913), (55, 143997), (57, 144039), (62, 144081), (75, 144246), (76, 144249), (89, 144504), (94, 144543), (97, 144573), (100, 144636), (101, 144657), (102, 144666), (103, 144669), (105, 144702), (109, 144717), (125, 144852), (135, 144927), (139, 144984), (140, 144987),

Gene: YoungMoneyMata_250 Start: 143074, Stop: 144504, Start Num: 29

Candidate Starts for YoungMoneyMata_250:

(Start: 29 @143074 has 169 MA's), (38, 143164), (41, 143227), (47, 143350), (49, 143374), (55, 143458), (57, 143500), (62, 143542), (75, 143707), (76, 143710), (89, 143965), (94, 144004), (97, 144034), (100, 144097), (101, 144118), (102, 144127), (103, 144130), (105, 144163), (109, 144178), (125, 144313), (135, 144388), (139, 144445), (140, 144448),

Gene: Yucca_251 Start: 144054, Stop: 145484, Start Num: 29

Candidate Starts for Yucca_251:

(Start: 29 @144054 has 169 MA's), (38, 144144), (41, 144207), (47, 144330), (49, 144354), (55, 144438), (57, 144480), (62, 144522), (75, 144687), (76, 144690), (89, 144945), (94, 144984), (97, 145014), (100, 145077), (101, 145098), (102, 145107), (103, 145110), (105, 145143), (109, 145158), (125, 145293), (135, 145368), (139, 145425), (140, 145428),

Gene: Zalkecks_249 Start: 142711, Stop: 144141, Start Num: 29

Candidate Starts for Zalkecks_249:

(Start: 29 @142711 has 169 MA's), (38, 142801), (41, 142864), (47, 142987), (49, 143011), (55, 143095), (57, 143137), (62, 143179), (75, 143344), (76, 143347), (89, 143602), (94, 143641), (97, 143671), (100, 143734), (101, 143755), (102, 143764), (103, 143767), (105, 143800), (109, 143815), (125, 143950), (135, 144025), (139, 144082), (140, 144085),

Gene: Zeenon_251 Start: 143245, Stop: 144675, Start Num: 29

Candidate Starts for Zeenon_251:

(Start: 29 @143245 has 169 MA's), (38, 143335), (41, 143398), (47, 143521), (49, 143545), (55, 143629), (57, 143671), (62, 143713), (75, 143878), (76, 143881), (89, 144136), (94, 144175), (97, 144205), (100, 144268), (101, 144289), (102, 144298), (103, 144301), (105, 144334), (109, 144349), (125, 144484), (135, 144559), (139, 144616), (140, 144619),

Gene: Zemanar_44 Start: 40552, Stop: 42288, Start Num: 16

Candidate Starts for Zemanar_44:

(Start: 16 @40552 has 25 MA's), (27, 40627), (30, 40645), (31, 40666), (34, 40681), (40, 40753), (43, 40846), (47, 40918), (49, 40942), (54, 41029), (56, 41044), (72, 41227), (75, 41308), (78, 41389), (80, 41413), (81, 41416), (85, 41458), (90, 41569), (91, 41578), (93, 41587), (98, 41683), (100, 41722), (106, 41791), (113, 41815), (115, 41842), (117, 41872), (128, 41950), (129, 41974), (132, 41992), (133, 41995), (136, 42019), (138, 42064), (146, 42148),

Gene: ZygoTaiga_247 Start: 144351, Stop: 145781, Start Num: 29

Candidate Starts for ZygoTaiga_247:

(Start: 29 @144351 has 169 MA's), (38, 144441), (41, 144504), (47, 144627), (49, 144651), (55, 144735), (57, 144777), (62, 144819), (75, 144984), (76, 144987), (89, 145242), (94, 145281), (97, 145311), (100, 145374), (101, 145395), (102, 145404), (103, 145407), (105, 145440), (109, 145455), (125, 145590), (135, 145665), (139, 145722), (140, 145725),