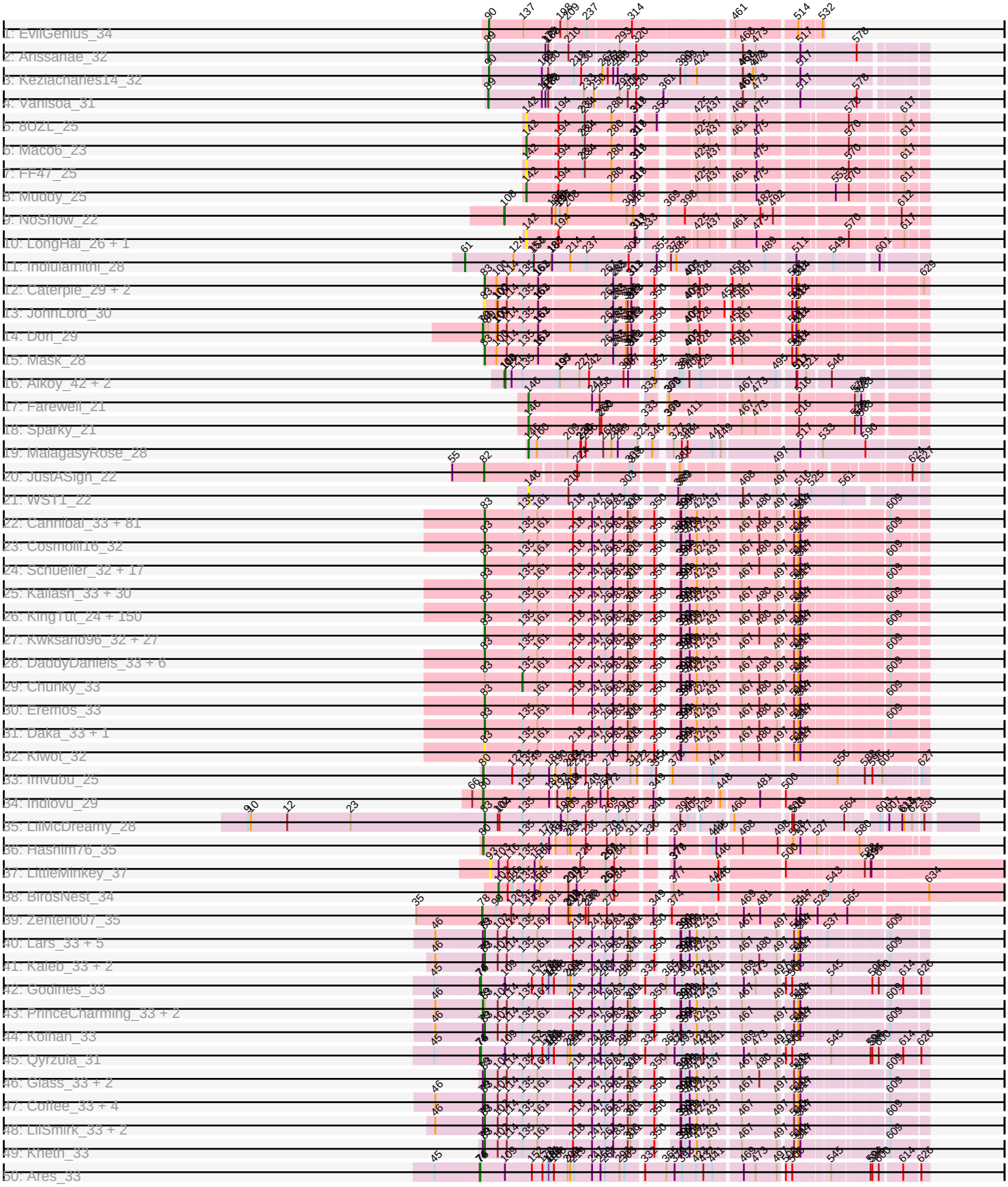
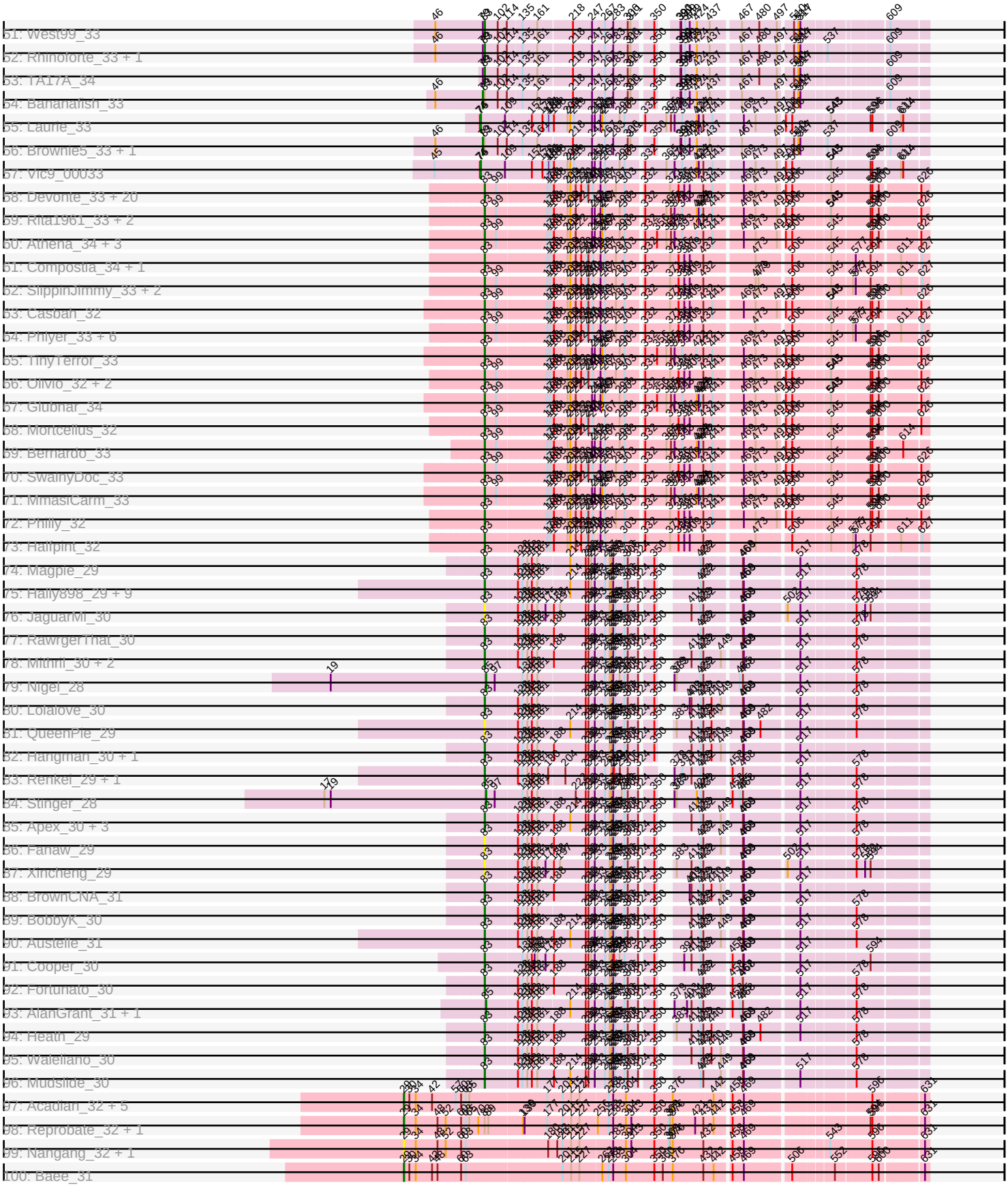
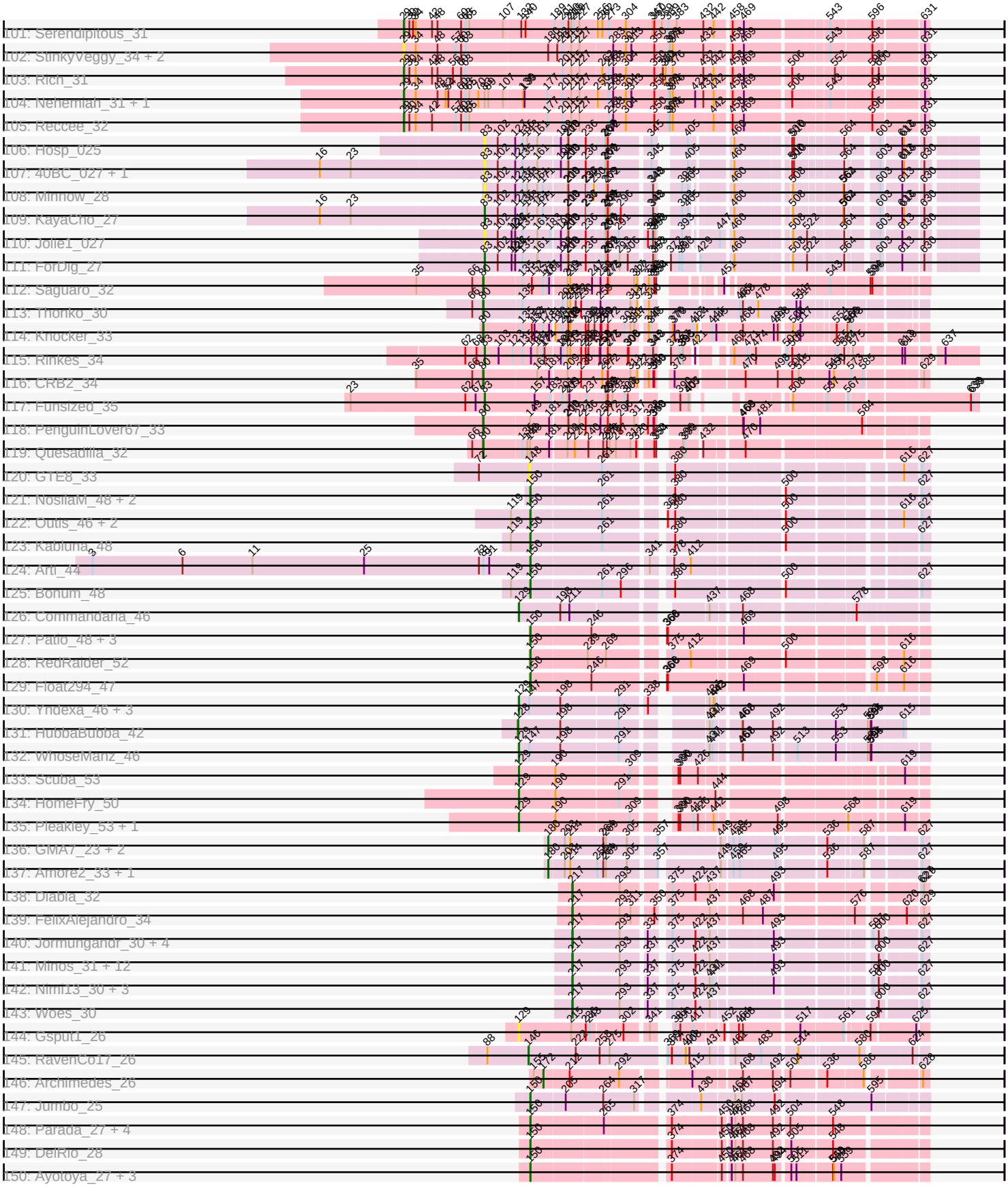
Pham 347025


1: EvilGenius_34
2: Arissanae_32
3: Kezlacharles14_32
4: Vanisoa_31
5: 8OZL_25
6: Maco6_23
7: FF47_25
8: Muddy_25
9: NoShow_22
10: LongHai_26 + 1
11: Indulamithi_28
12: Caterpie_29 + 2
13: JohnLord_30
14: Don_29
15: Mask_28
16: Alkoy_42 + 2
17: Farewell_21
18: Sparky_21
19: MalagasyRose_28
20: JustASigh_22
21: WST1_22
22: Cannibal_33 + 81
23: Cosmoll16_32
24: Schueller_32 + 17
25: Kailash_33 + 30
26: KingTut_24 + 150
27: Kwksand96_32 + 27
28: DaddyDaniels_33 + 6
29: Chunky_33
30: Eremos_33
31: Daka_33 + 1
32: Kiwot_32
33: Imvubu_25
34: Indiovu_29
35: LilMcDreamy_28
36: Hashim76_35
37: LittleMinkey_37
38: BirdsNest_34
39: Zenteno07_35
40: Lars_33 + 5
41: Kaleb_33 + 2
42: Godines_33
43: PrinceCharming_33 + 2
44: Kolhan_33
45: Qyrzula_31
46: Glass_33 + 2
47: Coffee_33 + 4
48: LilSmirk_33 + 2
49: Kneth_33
50: Ares_33

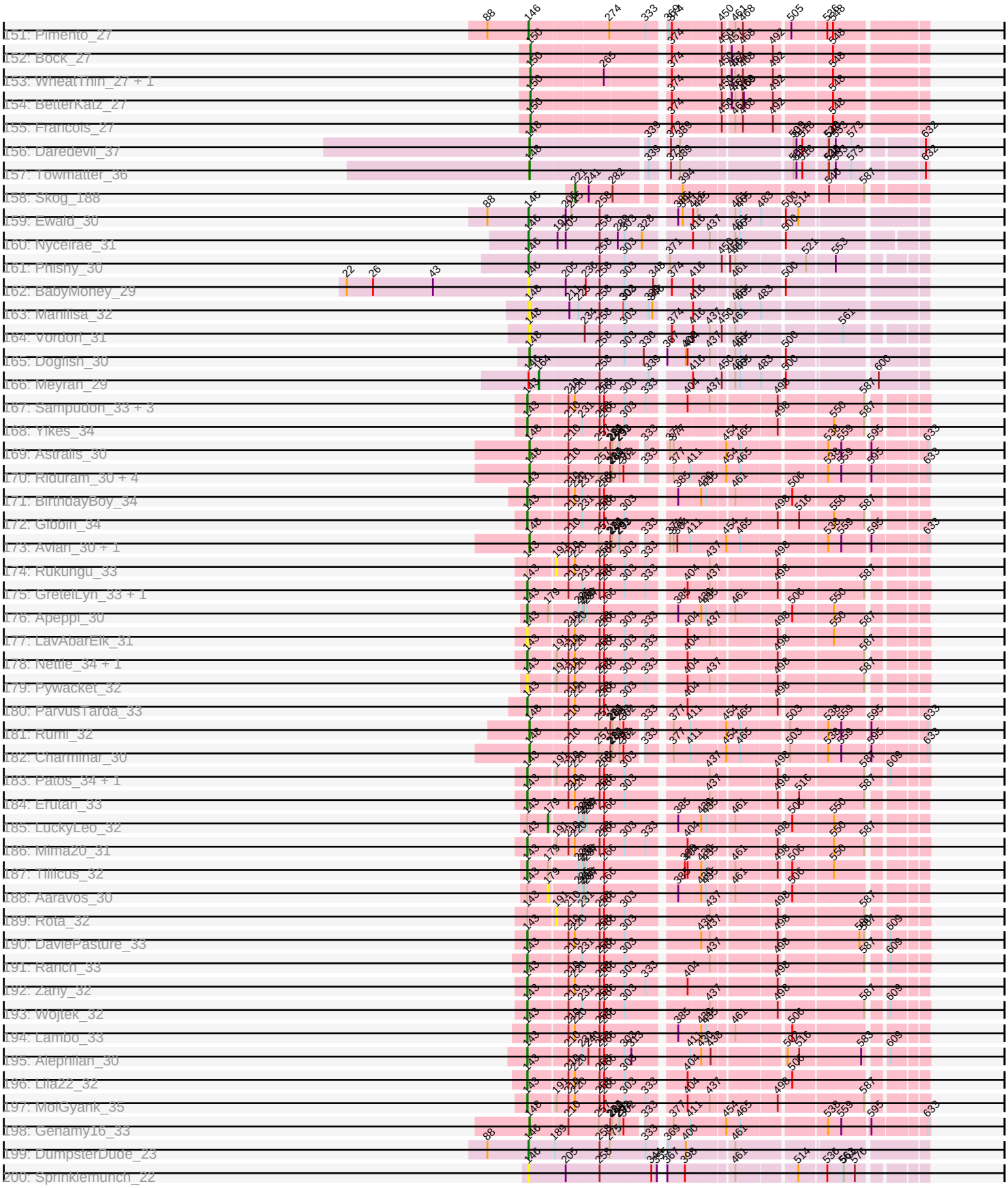
Pham 347025


51: West99_33
52: Rhinoforte_33 + 1
53: TA17A_34
54: Bananafish_33
55: Laurie_33
56: Brownie5_33 + 1
57: Vic9_00033
58: Devonte_33 + 20
59: Rita1961_33 + 2
60: Athena_34 + 3
61: Compostia_34 + 1
62: SlippinJimmy_33 + 2
63: Casbah_32
64: Phiyer_33 + 6
65: TinyTerror_33
66: Olivio_32 + 2
67: Glubnar_34
68: Montcellus_32
69: Bernardo_33
70: SwainyDoc_33
71: MmasiCarm_33
72: Philly_32
73: Hallpint_32
74: Magpie_29
75: Hally898_29 + 9
76: JaguarMi_30
77: RawrgerThat_30
78: Mithri_30 + 2
79: Nigel_28
80: Lolalove_30
81: QueenPie_29
82: Hangman_30 + 1
83: Renkel_29 + 1
84: Stinger_28
85: Apex_30 + 3
86: Fanaw_29
87: Xincheng_29
88: BrownCNA_31
89: BobbyK_30
90: Austelle_31
91: Cooper_30
92: Fortunato_30
93: AlanGrant_31 + 1
94: Heath_29
95: Waleliano_30
96: Mudslide_30
97: Acadian_32 + 5
98: Reprobate_32 + 1
99: Nangang_32 + 1
100: Baee_31

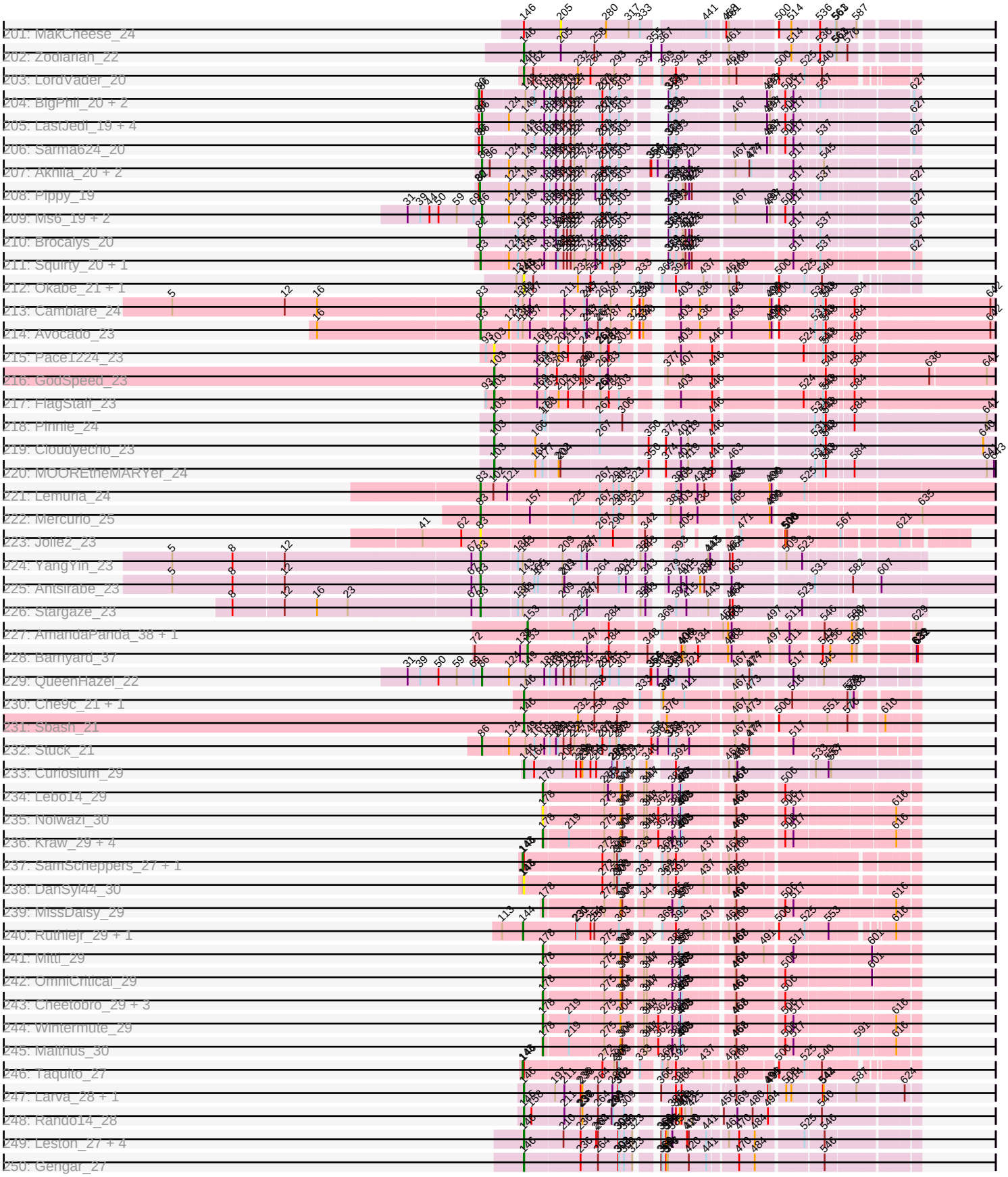
Pham 347025


I01: Serendipitous_31
I02: StinkyVeggy_34 + 2
I03: Rich_31
I04: Nehemiah_31 + 1
I05: Reccee_32
I06: Hosp_025
I07: 40BC_027 + 1
I08: Minnow_28
I09: KayaCho_27
I10: Jolie1_027
I11: ForDig_27
I12: Saguaro_32
I13: Thonko_30
I14: Knocker_33
I15: Rinkes_34
I16: CRB2_34
I17: Funsized_35
I18: PenguinLover67_33
I19: Quesadilla_32
I20: GTE8_33
I21: NosilaM_48 + 2
I22: Outis_46 + 2
I23: Kabluna_48
I24: Arti_44
I25: Bonum_48
I26: Commandaria_46
I27: Patio_48 + 3
I28: RedRaider_52
I29: Float294_47
I30: Yndexa_46 + 3
I31: HubbaBubba_42
I32: WhoseManz_46
I33: Scuba_53
I34: HomeFry_50
I35: Pleakley_53 + 1
I36: GMA7_23 + 2
I37: Amore2_33 + 1
I38: Diabla_32
I39: FelixAlejandro_34
I40: Jormungandr_30 + 4
I41: Minos_31 + 12
I42: Nimi13_30 + 3
I43: Woes_30
I44: Gsput1_26
I45: RavenC617_26
I46: Archimedes_26
I47: Jumbo_25
I48: Parada_27 + 4
I49: DelRio_28
I50: Ayotoya_27 + 3

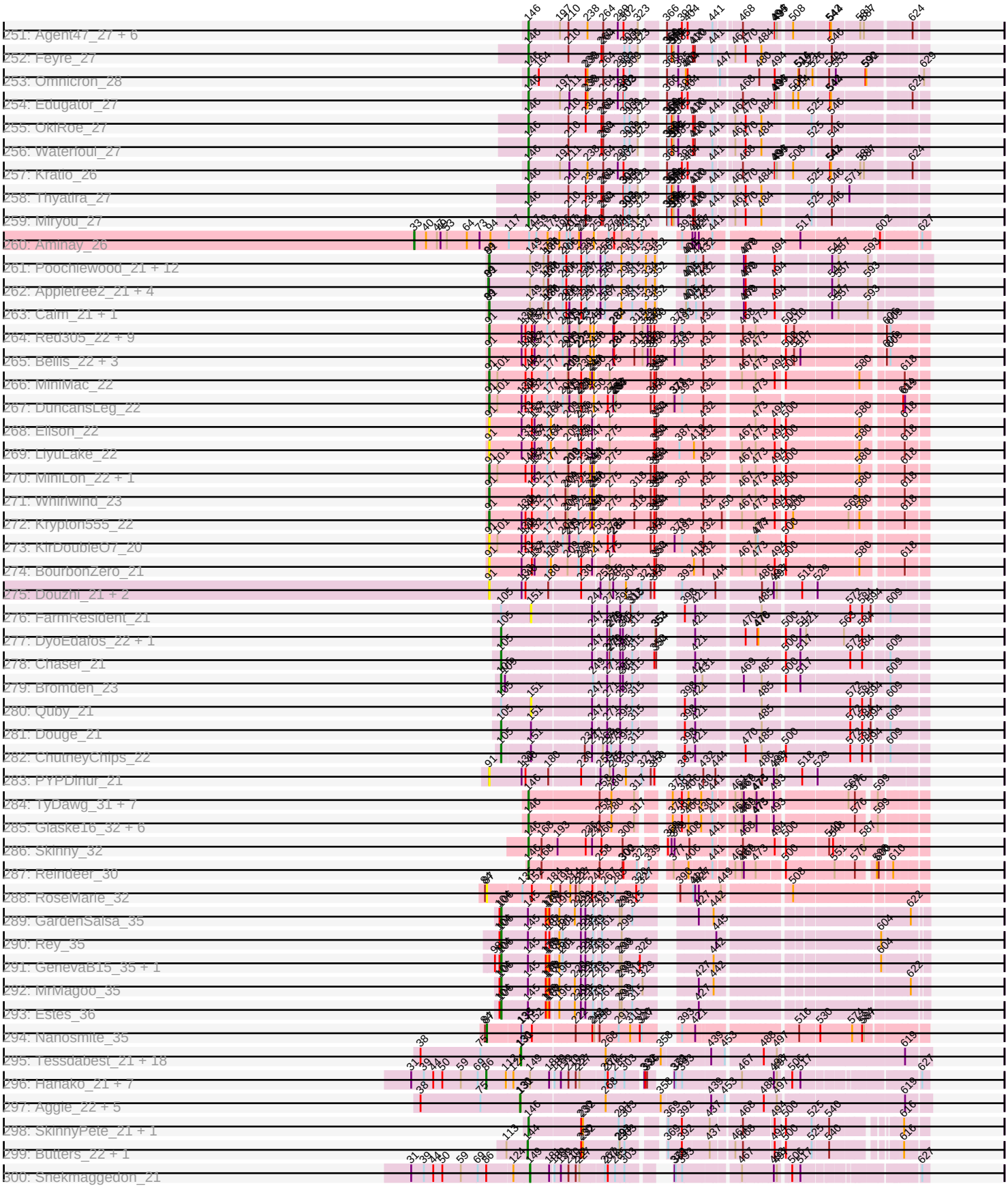
Pham 347025


151: Pimento_27
152: Bock_27
153: WheatThin_27 + 1
154: BetterKatz_27
155: Francois_27
156: Daredevil_37
157: Towmatter_36
158: Skog_188
159: Ewald_30
160: Nycelrae_31
161: Phishy_30
162: BabyMoney_29
163: Manilisa_32
164: Vordon_31
165: Dogfish_30
166: Meyran_29
167: Sampudon_33 + 3
168: Yikes_34
169: Astralis_30
170: Riduram_30 + 4
171: BirthdayBoy_34
172: Gibbin_34
173: Avian_30 + 1
174: Rukungu_33
175: GretelLyn_33 + 1
176: Apeppi_30
177: LavAbarElk_31
178: Nettie_34 + 1
179: Pywacket_32
180: ParvusTarda_33
181: Rumi_32
182: Charminar_30
183: Patos_34 + 1
184: Erutan_33
185: LuckyLeo_32
186: Mima20_31
187: Tillicus_32
188: Aaravos_30
189: Rota_32
190: DaviePasture_33
191: Ranch_33
192: Zany_32
193: Wojtek_32
194: Lambo_33
195: Alephilan_30
196: Lila22_32
197: MolGyanik_35
198: Genamy16_33
199: DumpsterDude_23
200: Sprinklemunch_22

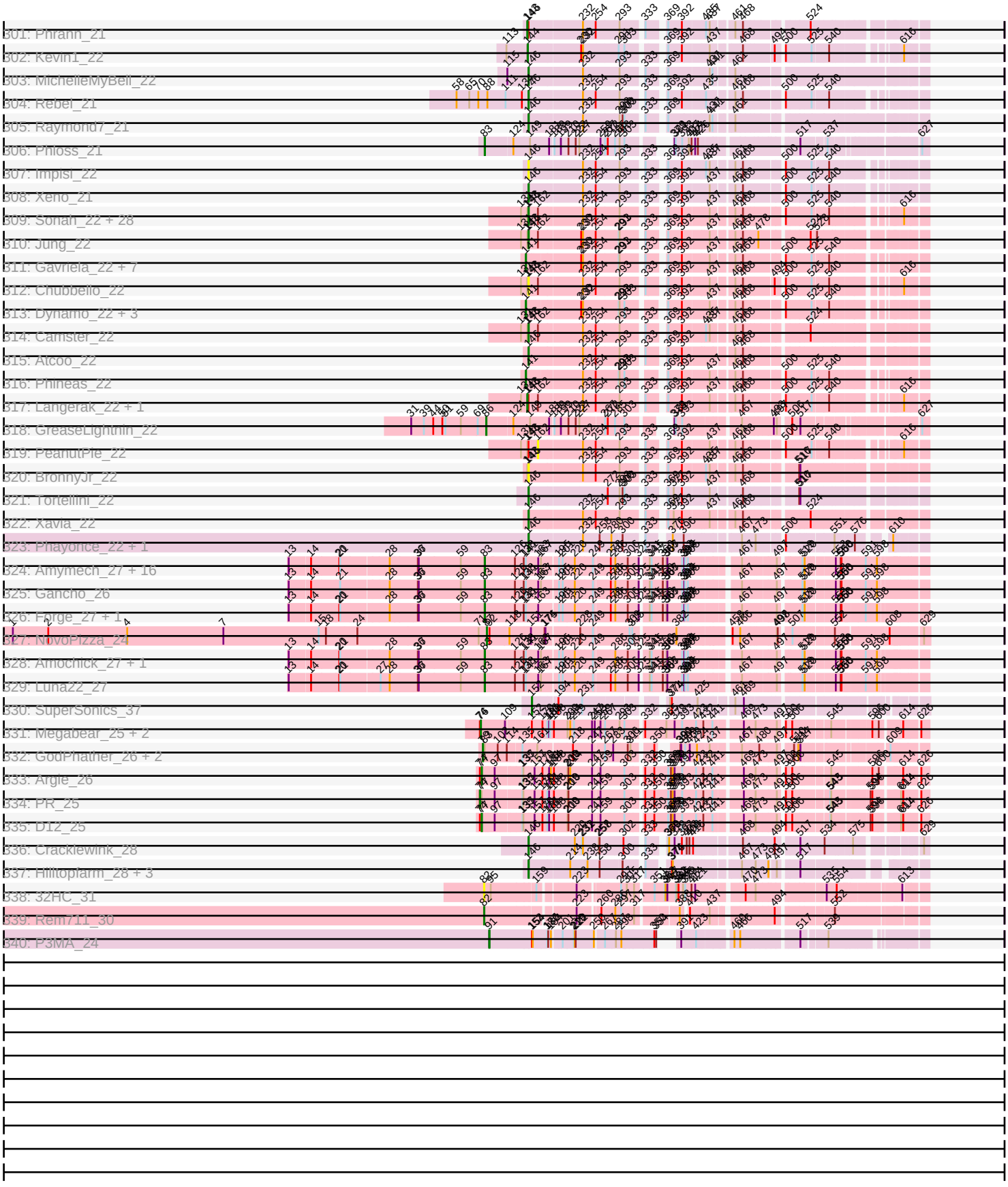
Pham 347025


201: MakCheese_24
202: Zodiarian_22
203: LordVader_20
204: BigPhil_20 + 2
205: LastJedi_19 + 4
206: Sarma624_20
207: Akhila_20 + 2
208: Pippy_19
209: MS6_19 + 2
210: Brocalys_20
211: Squirty_20 + 1
212: Okabe_21 + 1
213: Cambiare_24
214: Avocado_23
215: Pace1224_23
216: GodSpeed_23
217: FlagStaff_23
218: Pinnie_24
219: Cloudyecho_23
220: MOOREtheMARYer_24
221: Lemuria_24
222: Mercurio_25
223: Jolie2_23
224: YangYin_23
225: Antsirabe_23
226: Stargaze_23
227: AmandaPanda_38 + 1
228: Barnyard_37
229: QueenHazel_22
230: Che9c_21 + 1
231: Sbash_21
232: Stuck_21
233: Curiosium_29
234: Lebo14_29
235: Nolwazi_30
236: Kraw_29 + 4
237: SamScheppers_27 + 1
238: DanSyl44_30
239: MissDaisy_29
240: Ruthiejr_29 + 1
241: Mitti_29
242: OmniCritical_29
243: Cheetobro_29 + 3
244: Wintermute_29
245: Malthus_30
246: Taquito_27
247: Larva_28 + 1
248: Rando14_28
249: Leston_27 + 4
250: Gengar_27

Pham 347025


251: Agent47_27 + 6
252: Feyre_27
253: Omnicron_28
254: Edugator_27
255: OkiRoe_27
256: Waterfoul_27
257: Kratio_26
258: Thyatira_27
259: Mityou_27
260: Aminay_26
261: Poochiewood_21 + 12
262: Appletree2_21 + 4
263: Calm_21 + 1
264: Red305_22 + 9
265: Bellis_22 + 3
266: MiniMac_22
267: DuncansLeg_22
268: Ellson_22
269: LlyuLake_22
270: MiniLon_22 + 1
271: Whirlwind_23
272: Krypton555_22
273: KirDoubleO7_20
274: BourbonZero_21
275: Douzhi_21 + 2
276: FarmResident_21
277: DyoEdalos_22 + 1
278: Chaser_21
279: Bromden_23
280: Quby_21
281: Douge_21
282: ChutneyChips_22
283: PYPDinur_21
284: TyDawg_31 + 7
285: Glaske16_32 + 6
286: Skinny_32
287: Reindeer_30
288: RoseMarie_32
289: GardenSalsa_35
290: Rey_35
291: GenevaB15_35 + 1
292: MrMagoo_35
293: Estes_36
294: Nanosmite_35
295: Tessdabest_21 + 18
296: Hanako_21 + 7
297: Aggie_22 + 5
298: SkinnyPete_21 + 1
299: Butters_22 + 1
300: Snekmaggedon_21

Pham 347025


301: Phrann_21
302: Kevin1_22
303: MichelleMyBell_22
304: Rebel_21
305: Raymond7_21
306: Phloss_21
307: Impisi_22
308: Xeno_21
309: Sonah_22 + 28
310: Jung_22
311: Gavriela_22 + 7
312: Chubbello_22
313: Dynamo_22 + 3
314: Camster_22
315: Atcoo_22
316: Phineas_22
317: Langerak_22 + 1
318: GreaseLightnin_22
319: PeanutPie_22
320: BronnyJr_22
321: Tortellini_22
322: Xavia_22
323: Phayonce_22 + 1
324: Amymech_27 + 16
325: Gancho_26
326: Forge_27 + 1
327: NovoPizza_24
328: Amochick_27 + 1
329: Luna22_27
330: SuperSonics_37
331: Megabear_25 + 2
332: GodFather_26 + 2
333: Argie_26
334: PR_25
335: D12_25
336: Cracklewink_28
337: Hilltoplarm_28 + 3
338: 32HC_31
339: Rem711_30
340: P3MA_24

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 347025 Report

This analysis was run 11/14/26 on database version 672.

Pham number 347025 has 970 members, 113 are drafts.

Phages represented in each track:
- Track 1 : EvilGenius_34
- Track 2 : Arissanae_32
- Track 3 : Keziacharles14_32
- Track 4 : Vanisoa_31
- Track 5 : 8UZL_25
- Track 6 : Maco6_23
- Track 7 : FF47_25
- Track 8 : Muddy_25
- Track 9 : NoShow_22
- Track 10 : LongHai_26, Salvus_26
- Track 11 : Indlulamithi_28
- Track 12 : Caterpie_29, Mao1_27, Sejanus_28
- Track 13 : JohnLord_30
- Track 14 : Dori_29
- Track 15 : Mask_28
- Track 16 : Aikoy_42, Onyinye_43, Leopard_42
- Track 17 : Farewell_21
- Track 18 : Sparky_21
- Track 19 : MalagasyRose_28
- Track 20 : JustASigh_22
- Track 21 : WST1_22
- Track 22 : Cannibal_33, Manad_32, PallasAthena_32, Morgushi_33, Chute_33, Happabalu_33, UAch1_33, Schadenfreude_32, Timmi_32, Aelin_32, PhrodoBaggins_32, Phleuron_32, Megatron_33, DolOn_34, Salazzle_33, PinheadLarry_33, Lopsy_32, Tooj_33, ProfessorX_33, Chaelin_33, Anderson_33, Harvey_33, SassyCat97_32, Chah_34, Aleia_33, RedMaple_32, Iridoclysis_33, EmGer13_32, Podrick_33, Colbert_33, EmpTee_33, SilverBell_33, Suffolk_33, Legolas_32, Thora_33, Zelda_33, ShadowBud_33, Carthage_31, Nehme_32, Azuria_32, Brilliant_33, Skippy_33, Coletti_33, ShiVal_33, Antonia_32, Kloppinator_33, Daffy_33, Jbug01_32, Vectra_32, Squid_33, Morty_33, Roscoe_34, DonSanchon_32, Vaishali24_32, Windsor_32, Virgeve_32, Vortex_33, Vivaldi_33, Hocus_32, DelRivs_32, Flake_33, Gwennie1_33, Spartan300_33, Larson_34, Sophia_32, Surely_33, Hetaeria_33, Chorkpop_33, Septica_32, SirBeauregard_33, BlacksBerry_32, Keitherie_33, Olive_33, Aonishiki_33, Soile_33, Mulan_32, FleetyMac_33, Robyn_32, Taraxa_32, Valjean_33, LeeLot_33, Quisquiliae_33
- Track 23 : Cosmolli16_32

• Track 24 : Schueller_32, Puhltonio_33, Phipps_33, DoesntMatter_33, Beaglebox_32, Telesworld_32, Riggan_33, Apizium_32, Altwerkus_32, Plmatters_33, Fringe_33, Gophee_33, Numberten_33, Andre_33, Slatt_33, Virapocalypse_33, Burr_32, JangoPhett_33
• Track 25 : Kailash_33, Dati_33, LostAndPhound_32, Potter_32, Xavier_32, CampRoach_33, Jiminy_32, Triad_33, Caspiboi_32, Mag7_32, Nova1_32, LasagnaCat_33, Veritas_32, Swiphy_33, Doddsville_33, MitKao_33, Lehmann_33, Hartsy_33, Weher20_33, PhatLouie_33, PhrankReynolds_32, Melc17_33, DuchessDung_31, Phergie_32, Karn_32, PhenghisKhan_32, Mosaic_32, BatteryCK_32, Oline_32, Iridessa_33, MichaelPhcott_32
• Track 26 : KingTut_24, RedRaider89_34, Freya_32, Pacifista_32, Sigman_33, IsaacEli_33, BlackStallion_33, Lasso_33, Mcshane_32, Mecca_32, Sheila_33, Samaymay_33, Haleema_32, Scrick_33, Bishoperium_32, Lulumae_32, AltPhacts_33, Craff_33, BoogieWoogie_33, Orion_33, Ricotta_32, Dingo_33, FriarPreacher_33, Mana_32, Murdoc_33, GreenChile_33, Bluephacebaby_32, HSavage_33, Squiggle_33, Kwadwo_32, Olak_32, Zonia_33, Tomlarah_33, GeneCoco_33, Hertubise_33, Omniscient_33, Banjo_32, Badfish_33, Adriana_33, Matalotodo_33, Held_33, Megamind20_33, Lego3393_33, FremontTroll_32, Hekos_30, Giraffe_33, Kimbrough_33, Lumine_32, Oosterbaan_33, Longacauda_32, Nyala_32, Phareon_33, KingVeVeVe_33, Kahve_32, Usavi_33, LeiMonet_33, Horchata_33, Inverness_33, Eugenia_33, LemonSlice_33, Nathan_33, MRabcd_32, HighStump_32, TallGrassMM_33, Vaticameos_33, Frankicide_33, Mesh1_33, HogWash_32, Buckeye_33, Dione_32, Plata_32, Katniss_33, HenryJackson_32, Charles1_33, True_32, Soto_33, PG1_33, Simielle_32, Piglet_0032, Zaider_34, CamL_33, Phunky_33, Phamished_33, FugateOSU_32, ABU_33, BlueHusk_33, SallyH_33, Pinkman_32, Orfeu_32, NiaNia_34, OliverWalter_33, Vista_33, Yoshand_33, FluffyNinja_33, Toni_32, QueenBeane_33, Basato_34, Mutante_32, Serendipity_33, Roy17_33, Nacho_0033, Labeouficaum_32, CheetO_33, Hamish_33, Placalicious_32, AbsoluteMadLad_32, KlimbOn_33, Haimas_33, TooFast2Furius_34, Mikota_33, Childish_32, LuckyMarjie_32, Waterdiva_33, Jillium_32, Nicole21_33, Lulwa_33, Grand2040_32, Scoot17C_33, Jesabah_33, Solosis_32, Selr12_33, Maru_32, Kikipoo_33, Mesmerelda_32, Inchworm_33, Dice_32, UncleHowie_33, MiniBoss_33, Serpentine_0033, Prickles_33, ThreeOh3D2_33, Pherdinand_33, Orwigg_32, DirtJuice_33, Derpp_32, Magic8_33, PhatCats2014_33, TyrionL_32, Boehler_33, Cher_32, KLucky39_33, JacAttac_33, Swish_33, Pipsqueak_33, SDcharge11_33, Fang_33, YouGoGlencoco_33, Duggie_32, Wallhey_32, Roliet_33, Chipette_34
• Track 27 : Kwksand96_32, Durga_33, MelsMeow_32, Ashraf_32, Gwilliam_33, Emiris_33, Cobra_33, JDog_32, ElvisPhasley_33, Chuni_33, Fozzie_32, Pops_33, Gyarad_0033, Cornbread_32, OSmaximus_33, Etaye_33, Newman_33, Trypo_33, ImtiyazSitla_32, Khan1_32, CharlieGBrown_32, Rimu_33, Crownjwl_33, Riverton_33, MrPhizzler_33, Maskar_32, AngelCake_33, Gareth_32
• Track 28 : DaddyDaniels_33, TomBombadil_33, OneBrain_33, JakeO_32, Struggle_32, Jiraiya_32, Thunderbird_32
• Track 29 : Chunky_33
• Track 30 : Eremos_33
• Track 31 : Daka_33, Cornobble_32
• Track 32 : Kiwot_32
• Track 33 : Imvubu_25
• Track 34 : Indlovu_29
• Track 35 : LilMcDreamy_28
• Track 36 : Hashim76_35
• Track 37 : LittleMinkey_37

• Track 38 : BirdsNest_34
• Track 39 : Zenteno07_35
• Track 40 : Lars_33, Rosebush_33, Allegro_33, Arbiter_33, Hedgerow_33, FrenchFry_33
• Track 41 : Kaleb_33, Eaglehorse_33, LizLemon_33
• Track 42 : Godines_33
• Track 43 : PrinceCharming_33, Blocker23_33, Lephleur_33
• Track 44 : Kolhan_33
• Track 45 : Qyrzula_31
• Track 46 : Glass_33, Faze9_33, Phantasmagoria_33
• Track 47 : Coffee_33, Opia_33, Holeinone_33, Sabella_33, Tres_33
• Track 48 : LilSmirk_33, ItsyBitsy1_33, Calamitous_33
• Track 49 : Kheth_33
• Track 50 : Ares_33
• Track 51 : West99_33
• Track 52 : Rhinoforte_33, Boyle_33
• Track 53 : TA17A_34
• Track 54 : Bananafish_33
• Track 55 : Laurie_33
• Track 56 : Brownie5_33, Tinciduntsolum_34
• Track 57 : Vic9_00033
• Track 58 : Devonte_33, RomaT_33, Nozo_33, ChaChing_33, Morty007_33, Marley1013_33, OrangeOswald_33, Akoma_33, Chandler_33, LestyG_33, Abinghost_33, Deenasa_33, RagingRooster_33, Chentzyk_32, Audrey_33, SynergyX_33, Neos5_33, Shenandoah_33, Daisy_33, Heathcliff_33, Chalmers_33
• Track 59 : Rita1961_33, Obutu_33, Mulaychimus_33
• Track 60 : Athena_34, Gervas_33, Baloo_33, Tydolla_33
• Track 61 : Compostia_34, GlenHope_34
• Track 62 : SlippinJimmy_33, Yinz_33, Kamiyu_33
• Track 63 : Casbah_32
• Track 64 : Phlyer_33, Jackstina_30, Gadjet_34, Phaedrus_31, Marlia_33, Yahalom_33, HarveySr_33
• Track 65 : TinyTerror_33
• Track 66 : Olivio_32, Ben11_32, Kronus_32
• Track 67 : Glubnar_34
• Track 68 : Mortcellus_32
• Track 69 : Bernardo_33
• Track 70 : SwainyDoc_33
• Track 71 : MmasiCarm_33
• Track 72 : Philly_32
• Track 73 : Halfpint_32
• Track 74 : Magpie_29
• Track 75 : Hally898_29, Antihero_29, Ahwei_29, JAMaL_30, ChrisnMich_29, Lambano_29, Poster_29, GinPorsche_29, Nanao_29, Epah_29
• Track 76 : JaguarMi_30
• Track 77 : RawrgerThat_30
• Track 78 : Mithril_30, Hydro_30, Zemanar_31
• Track 79 : Nigel_28
• Track 80 : Lolalove_30
• Track 81 : QueenPie_29
• Track 82 : Hangman_30, JoyceMaria_30
• Track 83 : Renkei_29, LittleDigger_29
• Track 84 : Stinger_28

• Track 85 : Apex_30, VioletZ_30, Prince_30, Frederick_30
• Track 86 : Fanaw_29
• Track 87 : Xincheng_29
• Track 88 : BrownCNA_31
• Track 89 : BobbyK_30
• Track 90 : Austelle_31
• Track 91 : Cooper_30
• Track 92 : Fortunato_30
• Track 93 : AlanGrant_31, Vincenzo_31
• Track 94 : Heath_29
• Track 95 : Waleliano_30
• Track 96 : Mudslide_30
• Track 97 : Acadian_32, SirJeffery_32, Rita130_32, EastView9101_31, Donny_32, Suigeneris_32
• Track 98 : Reprobate_32, Phelemich_32
• Track 99 : Nangang_32, DigitDog_32
• Track 100 : Baee_31
• Track 101 : Serendipitous_31
• Track 102 : StinkyVeggy_34, KarasumaRum_34, Shenyu_32
• Track 103 : Rich_31
• Track 104 : Nehemiah_31, Mysterious_32
• Track 105 : Reccee_32
• Track 106 : Hosp_025
• Track 107 : 40BC_027, 39HC_027
• Track 108 : Minnow_28
• Track 109 : KayaCho_27
• Track 110 : Jolie1_027
• Track 111 : ForDig_27
• Track 112 : Saguaro_32
• Track 113 : Thonko_30
• Track 114 : Knocker_33
• Track 115 : Rinkes_34
• Track 116 : CRB2_34
• Track 117 : Funsized_35
• Track 118 : PenguinLover67_33
• Track 119 : Quesadilla_32
• Track 120 : GTE8_33
• Track 121 : NosilaM_48, Buggaboo_46, SuperSulley_46
• Track 122 : Outis_46, StarStruck_46, MerCougar_46
• Track 123 : Kabluna_48
• Track 124 : Arti_44
• Track 125 : Bonum_48
• Track 126 : Commandaria_46
• Track 127 : Patio_48, Skysand_47, Ennea_51, Lollipop1437_50
• Track 128 : RedRaider_52
• Track 129 : Float294_47
• Track 130 : Yndexa_46, BiPauneto_47, Sukkupi_46, Pemberton_47
• Track 131 : HubbaBubba_42
• Track 132 : WhoseManz_46
• Track 133 : Scuba_53
• Track 134 : HomeFry_50
• Track 135 : Pleakley_53, Fury_53
• Track 136 : GMA7_23, HayZem_32, Austin_33

• Track 137 : Amore2_33, GTE7_23
• Track 138 : Diabla_32
• Track 139 : FelixAlejandro_34
• Track 140 : Jormungandr_30, Damp_30, Harambe_30, Luker_31, Lahirium_30
• Track 141 : Minos_31, Bianmat_30, Berries_30, Lidong_30, GalacticEye_30, Hello_30, Kaseim_30, Newt_31, Charianelly_30, Teal_30, Shelley_30, Jams_30, MrWormie_30
• Track 142 : Nimi13_30, Neoevie_30, Hail2Pitt_30, Anamika_30
• Track 143 : Woes_30
• Track 144 : Gsput1_26
• Track 145 : RavenCo17_26
• Track 146 : Archimedes_26
• Track 147 : Jumbo_25
• Track 148 : Parada_27, Brylie_27, SussRoloMann_27, Mulch_27, NancyRae_27
• Track 149 : DelRio_28
• Track 150 : Ayotoya_27, Hamood_27, Chop_27, GrandSlam_27
• Track 151 : Pimento_27
• Track 152 : Bock_27
• Track 153 : WheatThin_27, Nadeem_27
• Track 154 : BetterKatz_27
• Track 155 : Francois_27
• Track 156 : Daredevil_37
• Track 157 : Towmatter_36
• Track 158 : Skog_188
• Track 159 : Ewald_30
• Track 160 : Nyceirae_31
• Track 161 : Phishy_30
• Track 162 : BabyMoney_29
• Track 163 : Manilisa_32
• Track 164 : Vordorf_31
• Track 165 : Dogfish_30
• Track 166 : Meyran_29
• Track 167 : Sampudon_33, GOATification_34, Fulcrum_34, Jalebi_32
• Track 168 : Yikes_34
• Track 169 : Astralis_30
• Track 170 : Riduram_30, Jamemuya19_30, Alyssamiracle_33, RazorC_31, NovaSharks_32
• Track 171 : BirthdayBoy_34
• Track 172 : Gibbin_34
• Track 173 : Avian_30, Stormer_31
• Track 174 : Rukungu_33
• Track 175 : GretelLyn_33, OtterstedtS21_33
• Track 176 : Apeppi_30
• Track 177 : LavAbarElk_31
• Track 178 : Nettle_34, DoobyDoo_32
• Track 179 : Pywacket_32
• Track 180 : ParvusTarda_33
• Track 181 : Rumi_32
• Track 182 : Charminar_30
• Track 183 : Patos_34, NorManre_34
• Track 184 : Erutan_33
• Track 185 : LuckyLeo_32
• Track 186 : Mima20_31

- Track 187 : Tillicus_32
- Track 188 : Aaravos_30
- Track 189 : Rota_32
- Track 190 : DaviePasture_33
- Track 191 : Ranch_33
- Track 192 : Zany_32
- Track 193 : Wojtek_32
- Track 194 : Lambo_33
- Track 195 : Alephilan_30
- Track 196 : Lila22_32
- Track 197 : MoiGyank_35
- Track 198 : Genamy16_33
- Track 199 : DumpsterDude_23
- Track 200 : Sprinklemunch_22
- Track 201 : MakCheese_24
- Track 202 : Zodiariah_22
- Track 203 : LordVader_20
- Track 204 : BigPhil_20, Cerasum_20, Velveteen_20
- Track 205 : LastJedi_19, Clifton_19, Jennelsea_19, Crumble_19, Koella_19
- Track 206 : Sarma624_20
- Track 207 : Akhila_20, Xula_21, MilanaBonita_20
- Track 208 : Pippy_19
- Track 209 : Ms6_19, SpongeBob_21, Jamie19_21
- Track 210 : Brocalys_20
- Track 211 : Squirty_20, Fulbright_21
- Track 212 : Okabe_21, Bluvara_22
- Track 213 : Cambiare_24
- Track 214 : Avocado_23
- Track 215 : Pace1224_23
- Track 216 : GodSpeed_23
- Track 217 : FlagStaff_23
- Track 218 : Pinnie_24
- Track 219 : Cloudyecho_23
- Track 220 : MOOREtheMARYer_24
- Track 221 : Lemuria_24
- Track 222 : Mercurio_25
- Track 223 : Jolie2_23
- Track 224 : YangYin_23
- Track 225 : Antsirabe_23
- Track 226 : Stargaze_23
- Track 227 : AmandaPanda_38, DrLupo_39
- Track 228 : Barnyard_37
- Track 229 : QueenHazel_22
- Track 230 : Che9c_21, Purky_22
- Track 231 : Sbash_21
- Track 232 : Stuck_21
- Track 233 : Curiosium_29
- Track 234 : Lebo14_29
- Track 235 : Nolwazi_30
- Track 236 : Kraw_29, Fionnbharth_29, Y10_29, JF1_29, Y2_29
- Track 237 : SamScheppers_27, Eponine_29
- Track 238 : DanSyl44_30
- Track 239 : MissDaisy_29

• Track 240 : Ruthiejr_29, Juliette_30
• Track 241 : Mitti_29
• Track 242 : OmniCritical_29
• Track 243 : Cheetobro_29, Chancellor_29, Qhanda_30, Slarp_29
• Track 244 : Wintermute_29
• Track 245 : Malthus_30
• Track 246 : Taquito_27
• Track 247 : Larva_28, Neighly_28
• Track 248 : Rando14_28
• Track 249 : Leston_27, SoSeph_27, Heftyboy_27, Paola_27, Guillsminger_27
• Track 250 : Gengar_27
• Track 251 : Agent47_27, Collard_27, BananenDer11_27, ViviJ_26, LilDirt_26, InvictusManeo_27, DoubleChamp_27
• Track 252 : Feyre_27
• Track 253 : Omnicron_28
• Track 254 : Edugator_27
• Track 255 : OkiRoe_27
• Track 256 : Waterfoul_27
• Track 257 : Kratio_26
• Track 258 : Thyatira_27
• Track 259 : Miryou_27
• Track 260 : Aminay_26
• Track 261 : Poochiewood_21, Tyson_21, Wamburgrxpress_21, Silverleaf_21, AvadaKedavra_21, Acquire49_21, OhShagHennessy_21, Rose5_21, DirkDirk_21, Halena_21, Wyatt2_21, MAckerman_21, Enceladus_21
• Track 262 : Appletree2_21, UPIE_21, LeBron_21, CicholasNage_21, JoeDirt_21
• Track 263 : Calm_21, Zaria_21
• Track 264 : Red305_22, Nicholas_22, Jubie_22, Jobypre_22, Lumos_22, Snenia_22, Kingsolomon_22, TriFive_22, Clautastrophe_22, MsGreen_22
• Track 265 : Bellis_22, Finnry_22, Moostard_22, Samty_22
• Track 266 : MiniMac_22
• Track 267 : DuncansLeg_22
• Track 268 : Ellson_22
• Track 269 : LiyuLake_22
• Track 270 : MiniLon_22, Lolly9_22
• Track 271 : Whirlwind_23
• Track 272 : Krypton555_22
• Track 273 : KirDoubleO7_20
• Track 274 : BourbonZero_21
• Track 275 : Douzhi_21, Sheng711_21, BrainDrainer_22
• Track 276 : FarmResident_21
• Track 277 : DyoEdafos_22, Kropertea_21
• Track 278 : Chaser_21
• Track 279 : Bromden_23
• Track 280 : Quby_21
• Track 281 : Douge_21
• Track 282 : ChutneyChips_22
• Track 283 : PYPDinur_21
• Track 284 : TyDawg_31, FreakyGoo_32, Bongo_31, LilhomieP_30, TpudiCK_32, Bricole_31, IPhane7_31, PegLeg_31
• Track 285 : Glaske16_32, Auspice_31, Dulcita_32, Diminimus_32, Izel_32, SlimJimmy_30, KleverKiS_31
• Track 286 : Skinny_32

• Track 287 : Reindeer_30
• Track 288 : RoseMarie_32
• Track 289 : GardenSalsa_35
• Track 290 : Rey_35
• Track 291 : GenevaB15_35, Aziz_35
• Track 292 : MrMagoo_35
• Track 293 : Estes_36
• Track 294 : Nanosmite_35
• Track 295 : Tessdabest_21, Silvy_22, Magsby_22, Schnauzer_22, Duplicity_22, Journey_22, Melville_22, Xerxes_22, Tapioca_22, Gex_22, MulchSalad_20, EGUnicorn_22, Chewbacca_22, Silvafighter_22, Parmesanjohn_22, Cubone_22, LilSpotty_25, Tortoise12_22, Smurph_22
• Track 296 : Hanako_21, Nenae_21, Spinach_21, Redi_21, PhancyPhin_21, BabeRuth_21, ShrimpFriedEgg_21, Purgamenstris_21
• Track 297 : Aggie_22, Bosection6_22, Charlie_22, Carcharodon_22, Philonius_22, Pipsqueaks_22
• Track 298 : SkinnyPete_21, Panchino_21
• Track 299 : Butters_22, Rubeelu_22
• Track 300 : Snekmaggedon_21
• Track 301 : Phrann_21
• Track 302 : Kevin1_22
• Track 303 : MichelleMyBell_22
• Track 304 : Rebel_21
• Track 305 : Raymond7_21
• Track 306 : Phloss_21
• Track 307 : Impisi_22
• Track 308 : Xeno_21
• Track 309 : Sonah_22, Ksquared_22, Phegasus_22, Fishburne_22, Techage_22, Babsiella_22, Bhagsy_22, Brusacoram_22, Kari_22, Juniormint_22, Jebeks_22, Bartholomew_22, Venti_22, Polkaroo_22, Mangethe_22, Necropolis_22, Majeke_22, HUHilltop_22, Vidya_22, FirstPlacePfu_22, Etoile_22, HC_22, Zilizebeth_22, StevieRay_22, Bunnies_22, Donovan_22, Thespis_22, Arib1_22, GaloreK_22
• Track 310 : Jung_22
• Track 311 : Gavriela_22, StressBall_22, Glaske_22, CactusJack_22, Shweta_21, Megiddo_22, KilKor_22, Phalm_22
• Track 312 : Chubbello_22
• Track 313 : Dynamo_22, Andies_21, Willsammy_22, Scitech_21
• Track 314 : Camster_22
• Track 315 : Atcoo_22
• Track 316 : Phineas_22
• Track 317 : Langerak_22, Malithi_22
• Track 318 : GreaseLightnin_22
• Track 319 : PeanutPie_22
• Track 320 : BronnyJr_22
• Track 321 : Tortellini_22
• Track 322 : Xavia_22
• Track 323 : Phayonce_22, ThulaThula_22
• Track 324 : Amymech_27, Webster2_27, LilHazelnut_27, DeepSoil15_27, Kinbote_27, BloominB_27, Gravaillia_27, Hadrien_27, Evanesce_27, HH92_27, OBUpride_27, Ein37_27, Giles_27, Dewey_27, Hail_27, Ubuntu_27, Wishmaker_27
• Track 325 : Gancho_26
• Track 326 : Forge_27, Luke_27
• Track 327 : NovoPizza_24

• Track 328 : Amochick_27, Daegal_28
• Track 329 : Luna22_27
• Track 330 : SuperSonics_37
• Track 331 : Megabear_25, Cepens_25, Taptic_25
• Track 332 : GodPhather_26, MasterPo_33, Jeon_25
• Track 333 : Argie_26
• Track 334 : PR_25
• Track 335 : D12_25
• Track 336 : Cracklewink_28
• Track 337 : Hilltopfarm_28, Faiyaz_28, AuntGwenStacy_28, Typha_28
• Track 338 : 32HC_31
• Track 339 : Rem711_30
• Track 340 : P3MA_24

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

The start number called the most often in the published annotations is 83, it was called in 436 of the 857 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• 39HC_027, 40BC_027, ABU_33, Abinghost_33, AbsoluteMadLad_32, Adriana_33, Aelin_32, Ahwei_29, Akoma_33, Aleia_33, Allegro_33, AltPhacts_33, Altwerkus_32, Amochick_27, Amymech_27, Anderson_33, Andre_33, AngelCake_33, Antihero_29, Antonia_32, Antsirabe_23, Aonishiki_33, Apex_30, Apizium_32, Arbiter_33, Ashraf_32, Athena_34, Audrey_33, Austelle_31, Avocado_23, Azuria_32, Badfish_33, Baloo_33, Banjo_32, Basato_34, BatteryCK_32, Beaglebox_32, Ben11_32, Bernardo_33, Bishoperium_32, BlackStallion_33, BlacksBerry_32, BloominB_27, BlueHusk_33, Bluephacebaby_32, BobbyK_30, Boehler_33, BoogieWoogie_33, Boyle_33, Brilliant_33, BrownCNA_31, Buckeye_33, Burr_32, Calamitous_33, CamL_33, Cambiare_24, CampRoach_33, Cannibal_33, Carthage_31, Casbah_32, Caspiboi_32, Caterpie_29, ChaChing_33, Chaelin_33, Chah_34, Chalmers_33, Chandler_33, Charles1_33, CharlieGBrown_32, CheetO_33, Chentzyk_32, Cher_32, Childish_32, Chipette_34, Chorkpop_33, ChrisnMich_29, Chuni_33, Chute_33, Cobra_33, Coffee_33, Colbert_33, Coletti_33, Compostia_34, Cooper_30, Cornbread_32, Cornobble_32, Cosmolli16_32, Craff_33, Crownjwl_33, DaddyDaniels_33, Daegal_28, Daffy_33, Daisy_33, Daka_33, Dati_33, Deenasa_33, DeepSoil15_27, DelRivs_32, Derpp_32, Devonte_33, Dewey_27, Dice_32, Dingo_33, Dione_32, DirtJuice_33, Doddsville_33, DoesntMatter_33, DolOn_34, DonSanchon_32, DuchessDung_31, Duggie_32, Durga_33, Eaglehorse_33, Ein37_27, ElvisPhasley_33, EmGer13_32, Emiris_33, EmpTee_33, Epah_29, Eremos_33, Etaye_33, Eugenia_33, Evanesce_27, Fanaw_29, Fang_33, Faze9_33, Flake_33, FleetyMac_33, FluffyNinja_33, ForDig_27, Forge_27, Fortunato_30, Fozzie_32, Frankicide_33, Frederick_30, FremontTroll_32, FrenchFry_33, Freya_32, FriarPreacher_33, Fringe_33, FugateOSU_32, Fulbright_21, Funsized_35, Gadjet_34, Gancho_26, Gareth_32, GeneCoco_33, Gervas_33, Giles_27, GinPorsche_29, Giraffe_33, Glass_33, GlenHope_34, Glubnar_34, Gophee_33, Grand2040_32, Gravaillia_27, GreenChile_33, Gwennie1_33, Gwilliam_33, Gyarad_0033, HH92_27, HSavage_33, Hadrien_27, Hail_27, Haimas_33, Haleema_32, Halfpint_32, Hally898_29, Hamish_33, Hangman_30, Happabalu_33, Hartsy_33, HarveySr_33, Harvey_33, Heath_29, Heathcliff_33, Hedgerow_33,

Hekos_30, Held_33, HenryJackson_32, Hertubise_33, Hetaeria_33, HighStump_32, Hocus_32, HogWash_32, Holeinone_33, Horchata_33, Hosp_025, Hydro_30, ImtiyazSitla_32, Inchworm_33, Inverness_33, Iridessa_33, Iridoclysis_33, IsaacEli_33, ItsyBitsy1_33, JAMaL_30, JDog_32, JacAttac_33, Jackstina_30, JaguarMi_30, JakeO_32, JangoPhett_33, Jbug01_32, Jesabah_33, Jillium_32, Jiminy_32, Jiraiya_32, JohnLord_30, Jolie1_027, Jolie2_23, JoyceMaria_30, KLucky39_33, Kahve_32, Kailash_33, Kaleb_33, Kamiyu_33, Karn_32, Katniss_33, KayaCho_27, Keitherie_33, Khan1_32, Kheth_33, Kikipoo_33, Kimbrough_33, Kinbote_27, KingTut_24, KingVeVeVe_33, Kiwot_32, KlimbOn_33, Kloppinator_33, Kolhan_33, Kronus_32, Kwadwo_32, Kwksand96_32, Labeoufficaum_32, Lambano_29, Lars_33, Larson_34, LasagnaCat_33, Lasso_33, LeeLot_33, Lego3393_33, Legolas_32, Lehmann_33, LeiMonet_33, LemonSlice_33, Lemuria_24, LestyG_33, LilHazelnut_27, LilMcDreamy_28, LilSmirk_33, LittleDigger_29, LizLemon_33, Lolalove_30, Longacauda_32, Lopsy_32, LostAndPhound_32, LuckyMarjie_32, Luke_27, Lulumae_32, Lulwa_33, Lumine_32, Luna22_27, MRabcd_32, Mag7_32, Magic8_33, Magpie_29, Mana_32, Manad_32, Mao1_27, Marley1013_33, Marlia_33, Maru_32, Mask_28, Maskar_32, Matalotodo_33, Mcshane_32, Mecca_32, Megamind20_33, Megatron_33, Melc17_33, MelsMeow_32, Mercurio_25, Mesh1_33, Mesmerelda_32, MichaelPhcott_32, Mikota_33, MiniBoss_33, Minnow_28, MitKao_33, Mithril_30, MmasiCarm_33, Morgushi_33, Mortcellus_32, Morty007_33, Morty_33, Mosaic_32, MrPhizzler_33, Mudslide_30, Mulan_32, Mulaychimus_33, Murdoc_33, Mutante_32, Nacho_0033, Nanao_29, Nathan_33, Nehme_32, Neos5_33, Newman_33, NiaNia_34, Nicole21_33, Nova1_32, Nozo_33, Numberten_33, Nyala_32, OBUpride_27, OSmaximus_33, Obutu_33, Olak_32, Oline_32, Olive_33, OliverWalter_33, Olivio_32, Omniscient_33, OneBrain_33, Oosterbaan_33, Opia_33, OrangeOswald_33, Orfeu_32, Orion_33, Orwigg_32, PG1_33, Pacifista_32, PallasAthena_32, Phaedrus_31, Phamished_33, Phantasmagoria_33, Phareon_33, PhatCats2014_33, PhatLouie_33, PhenghisKhan_32, Pherdinand_33, Phergie_32, Philly_32, Phipps_33, Phleuron_32, Phloss_21, Phlyer_33, PhrankReynolds_32, PhrodoBaggins_32, Phunky_33, Piglet_0032, PinheadLarry_33, Pinkman_32, Pipsqueak_33, Placalicious_32, Plata_32, Plmatters_33, Podrick_33, Pops_33, Poster_29, Potter_32, Prickles_33, Prince_30, ProfessorX_33, Puhltonio_33, QueenBeane_33, QueenPie_29, Quisquiliae_33, RagingRooster_33, RawrgerThat_30, RedMaple_32, RedRaider89_34, Renkei_29, Rhinoforte_33, Ricotta_32, Riggan_33, Rimu_33, Rinkes_34, Rita1961_33, Riverton_33, Robyn_32, Roliet_33, RomaT_33, Roscoe_34, Rosebush_33, Roy17_33, SDcharge11_33, Sabella_33, Salazzle_33, SallyH_33, Samaymay_33, SassyCat97_32, Schadenfreude_32, Schueller_32, Scoot17C_33, Scrick_33, Sejanus_28, Selr12_33, Septica_32, Serendipity_33, Serpentine_0033, ShadowBud_33, Sheila_33, Shenandoah_33, ShiVal_33, Sigman_33, SilverBell_33, Simielle_32, SirBeauregard_33, Skippy_33, Slatt_33, SlippinJimmy_33, Soile_33, Solosis_32, Sophia_32, Soto_33, Spartan300_33, Squid_33, Squiggle_33, Squirty_20, Stargaze_23, Struggle_32, Suffolk_33, Surely_33, SwainyDoc_33, Swiphy_33, Swish_33, SynergyX_33, TA17A_34, TallGrassMM_33, Taraxa_32, Telesworld_32, Thora_33, ThreeOh3D2_33, Thunderbird_32, Timmi_32, TinyTerror_33, TomBombadil_33, Tomlarah_33, Toni_32, TooFast2Furius_34, Tooj_33, Tres_33, Triad_33, True_32, Trypo_33, Tydolla_33, TyrionL_32, UAch1_33, Ubuntu_27, UncleHowie_33, Usavi_33, Vaishali24_32, Valjean_33, Vaticameos_33, Vectra_32, Veritas_32, VioletZ_30, Virapocalypse_33, Virgeve_32, Vista_33, Vivaldi_33, Vortex_33, Waleliano_30, Wallhey_32, Waterdiva_33, Webster2_27, Weher20_33, West99_33, Windsor_32, Wishmaker_27, Xavier_32, Xincheng_29, Yahalom_33, YangYin_23, Yinz_33, Yoshand_33, YouGoGlencoco_33, Zaider_34, Zelda_33,

Zemanar_31, Zonia_33,

Genes that have the "Most Annotated" start but do not call it:
• Bananafish_33, Blocker23_33, Brownie5_33, Chunky_33, Dori_29, GodPhather_26, Jeon_25, Lephleur_33, MasterPo_33, Mysterious_32, Nehemiah_31, Phelemich_32, PrinceCharming_33, Reprobate_32, Tinciduntsolum_34,

Genes that do not have the "Most Annotated" start:
• 32HC_31, 8UZL_25, Aaravos_30, Acadian_32, Acquire49_21, Agent47_27, Aggie_22, Aikoy_42, Akhila_20, AlanGrant_31, Alephilan_30, Alyssamiracle_33, AmandaPanda_38, Aminay_26, Amore2_33, Anamika_30, Andies_21, Apeppi_30, Appletree2_21, Archimedes_26, Ares_33, Argie_26, Arib1_22, Arissanae_32, Arti_44, Astralis_30, Atcoo_22, AuntGwenStacy_28, Auspice_31, Austin_33, AvadaKedavra_21, Avian_30, Ayotoya_27, Aziz_35, BabeRuth_21, Babsiella_22, BabyMoney_29, Baee_31, BananenDer11_27, Barnyard_37, Bartholomew_22, Bellis_22, Berries_30, BetterKatz_27, Bhagsy_22, BiPauneto_47, Bianmat_30, BigPhil_20, BirdsNest_34, BirthdayBoy_34, Bluvara_22, Bock_27, Bongo_31, Bonum_48, Bosection6_22, BourbonZero_21, BrainDrainer_22, Bricole_31, Brocalys_20, Bromden_23, BronnyJr_22, Brusacoram_22, Brylie_27, Buggaboo_46, Bunnies_22, Butters_22, CRB2_34, CactusJack_22, Calm_21, Camster_22, Carcharodon_22, Cepens_25, Cerasum_20, Chancellor_29, Charianelly_30, Charlie_22, Charminar_30, Chaser_21, Che9c_21, Cheetobro_29, Chewbacca_22, Chop_27, Chubbello_22, ChutneyChips_22, CicholasNage_21, Clautastrophe_22, Clifton_19, Cloudyecho_23, Collard_27, Commandaria_46, Cracklewink_28, Crumble_19, Cubone_22, Curiosium_29, D12_25, Damp_30, DanSyl44_30, Daredevil_37, DaviePasture_33, DelRio_28, Diabla_32, DigitDog_32, Diminimus_32, DirkDirk_21, Dogfish_30, Donny_32, Donovan_22, DoobyDoo_32, DoubleChamp_27, Douge_21, Douzhi_21, DrLupo_39, Dulcita_32, DumpsterDude_23, DuncansLeg_22, Duplicity_22, Dynamo_22, DyoEdafos_22, EGUnicorn_22, EastView9101_31, Edugator_27, Ellson_22, Enceladus_21, Ennea_51, Eponine_29, Erutan_33, Estes_36, Etoile_22, EvilGenius_34, Ewald_30, FF47_25, Faiyaz_28, Farewell_21, FarmResident_21, FelixAlejandro_34, Feyre_27, Finnry_22, Fionnbharth_29, FirstPlacePfu_22, Fishburne_22, FlagStaff_23, Float294_47, Francois_27, FreakyGoo_32, Fulcrum_34, Fury_53, GMA7_23, GOATification_34, GTE7_23, GTE8_33, GalacticEye_30, GaloreK_22, GardenSalsa_35, Gavriela_22, Genamy16_33, GenevaB15_35, Gengar_27, Gex_22, Gibbin_34, Glaske16_32, Glaske_22, GodSpeed_23, Godines_33, GrandSlam_27, GreaseLightnin_22, GretelLyn_33, Gsput1_26, Guillsminger_27, HC_22, HUHilltop_22, Hail2Pitt_30, Halena_21, Hamood_27, Hanako_21, Harambe_30, Hashim76_35, HayZem_32, Heftyboy_27, Hello_30, Hilltopfarm_28, HomeFry_50, HubbaBubba_42, IPhane7_31, Impisi_22, Imvubu_25, Indlovu_29, Indlulamithi_28, InvictusManeo_27, Izel_32, JF1_29, Jalebi_32, Jamemuya19_30, Jamie19_21, Jams_30, Jebeks_22, Jennelsea_19, Jobypre_22, JoeDirt_21, Jormungandr_30, Journey_22, Jubie_22, Juliette_30, Jumbo_25, Jung_22, Juniormint_22, JustASigh_22, Kabluna_48, KarasumaRum_34, Kari_22, Kaseim_30, Kevin1_22, Keziacharles14_32, KilKor_22, Kingsolomon_22, KirDoubleO7_20, KleverKiS_31, Knocker_33, Koella_19, Kratio_26, Kraw_29, Kropertea_21, Krypton555_22, Ksquared_22, Lahirium_30, Lambo_33, Langerak_22, Larva_28, LastJedi_19, Laurie_33, LavAbarElk_31, LeBron_21, Lebo14_29, Leopard_42, Leston_27, Lidong_30, LilDirt_26, LilSpotty_25, Lila22_32, LilhomieP_30, LittleMinkey_37, LiyuLake_22, Lollipop1437_50, Lolly9_22, LongHai_26, LordVader_20, LuckyLeo_32, Luker_31, Lumos_22, MAckerman_21, MOOREtheMARYer_24, Maco6_23, Magsby_22, Majeke_22, MakCheese_24, MalagasyRose_28, Malithi_22, Malthus_30, Mangethe_22, Manilisa_32,

Megabear_25, Megiddo_22, Melville_22, MerCougar_46, Meyran_29, MichelleMyBell_22, MilanaBonita_20, Mima20_31, MiniLon_22, MiniMac_22, Minos_31, Miryou_27, MissDaisy_29, Mitti_29, MoiGyank_35, Moostard_22, MrMagoo_35, MrWormie_30, Ms6_19, MsGreen_22, Muddy_25, MulchSalad_20, Mulch_27, Nadeem_27, NancyRae_27, Nangang_32, Nanosmite_35, Necropolis_22, Neighly_28, Nenae_21, Neoevie_30, Nettle_34, Newt_31, Nicholas_22, Nigel_28, Nimi13_30, NoShow_22, Nolwazi_30, NorManre_34, NosilaM_48, NovaSharks_32, NovoPizza_24, Nyceirae_31, OhShagHennessy_21, Okabe_21, OkiRoe_27, OmniCritical_29, Omnicron_28, Onyinye_43, OtterstedtS21_33, Outis_46, P3MA_24, PR_25, PYPDinur_21, Pace1224_23, Panchino_21, Paola_27, Parada_27, Parmesanjohn_22, ParvusTarda_33, Patio_48, Patos_34, PeanutPie_22, PegLeg_31, Pemberton_47, PenguinLover67_33, Phalm_22, PhancyPhin_21, Phayonce_22, Phegasus_22, Philonius_22, Phineas_22, Phishy_30, Phrann_21, Pimento_27, Pinnie_24, Pippy_19, Pipsqueaks_22, Pleakley_53, Polkaroo_22, Poochiewood_21, Purgamenstris_21, Purky_22, Pywacket_32, Qhanda_30, Quby_21, QueenHazel_22, Quesadilla_32, Qyrzula_31, Ranch_33, Rando14_28, RavenCo17_26, Raymond7_21, RazorC_31, Rebel_21, Reccee_32, Red305_22, RedRaider_52, Redi_21, Reindeer_30, Rem711_30, Rey_35, Rich_31, Riduram_30, Rita130_32, Rose5_21, RoseMarie_32, Rota_32, Rubeelu_22, Rukungu_33, Rumi_32, Ruthiejr_29, Saguaro_32, Salvus_26, SamScheppers_27, Sampudon_33, Samty_22, Sarma624_20, Sbash_21, Schnauzer_22, Scitech_21, Scuba_53, Serendipitous_31, Shelley_30, Sheng711_21, Shenyu_32, ShrimpFriedEgg_21, Shweta_21, Silvafighter_22, Silverleaf_21, Silvy_22, SirJeffery_32, SkinnyPete_21, Skinny_32, Skog_188, Skysand_47, Slarp_29, SlimJimmy_30, Smurph_22, Snekmaggedon_21, Snenia_22, SoSeph_27, Sonah_22, Sparky_21, Spinach_21, SpongeBob_21, Sprinklemunch_22, StarStruck_46, StevieRay_22, Stinger_28, StinkyVeggy_34, Stormer_31, StressBall_22, Stuck_21, Suigeneris_32, Sukkupi_46, SuperSonics_37, SuperSulley_46, SussRoloMann_27, Tapioca_22, Taptic_25, Taquito_27, Teal_30, Techage_22, Tessdabest_21, Thespis_22, Thonko_30, ThulaThula_22, Thyatira_27, Tillicus_32, Tortellini_22, Tortoise12_22, Towmatter_36, TpudiCK_32, TriFive_22, TyDawg_31, Typha_28, Tyson_21, UPIE_21, Vanisoa_31, Velveteen_20, Venti_22, Vic9_00033, Vidya_22, Vincenzo_31, ViviJ_26, Vordorf_31, WST1_22, Wamburgrxpress_21, Waterfoul_27, WheatThin_27, Whirlwind_23, WhoseManz_46, Willsammy_22, Wintermute_29, Woes_30, Wojtek_32, Wyatt2_21, Xavia_22, Xeno_21, Xerxes_22, Xula_21, Y10_29, Y2_29, Yikes_34, Yndexa_46, Zany_32, Zaria_21, Zenteno07_35, Zilizebeth_22, Zodiariah_22,

Summary by start number:

Start 29:
• Found in 19 of 970 (2.0%) of genes in pham
• Manual Annotations of this start: 11 of 857
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Acadian_32 (B5), Baee_31 (B5), DigitDog_32 (B5), Donny_32 (B5), EastView9101_31 (B5), KarasumaRum_34 (B5), Mysterious_32 (B5), Nangang_32 (B5), Nehemiah_31 (B5), Phelemich_32 (B5), Reccee_32 (B5), Reprobate_32 (B5), Rich_31 (B5), Rita130_32 (B5), Serendipitous_31 (B5), Shenyu_32 (B5), SirJeffery_32 (B5), StinkyVeggy_34 (B5), Suigeneris_32 (B5),

Start 33:
• Found in 1 of 970 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 857

• Called 100.0% of time when present
• Phage (with cluster) where this start called: Aminay_26 (K7),

Start 61:
• Found in 1 of 970 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 857
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Indlulamithi_28 (AC),

Start 74:
• Found in 11 of 970 (1.1%) of genes in pham
• Manual Annotations of this start: 2 of 857
• Called 18.2% of time when present
• Phage (with cluster) where this start called: Ares_33 (B2), PR_25 (W),

Start 76:
• Found in 8 of 970 (0.8%) of genes in pham
• Manual Annotations of this start: 7 of 857
• Called 87.5% of time when present
• Phage (with cluster) where this start called: Cepens_25 (W), Godines_33 (B2), Laurie_33 (B2), Megabear_25 (W), Qyrzula_31 (B2), Taptic_25 (W), Vic9_00033 (B2),

Start 77:
• Found in 3 of 970 (0.3%) of genes in pham
• Manual Annotations of this start: 2 of 857
• Called 66.7% of time when present
• Phage (with cluster) where this start called: Argie_26 (W), D12_25 (W),

Start 78:
• Found in 1 of 970 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 857
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Zenteno07_35 (B13),

Start 79:
• Found in 36 of 970 (3.7%) of genes in pham
• Manual Annotations of this start: 10 of 857
• Called 27.8% of time when present
• Phage (with cluster) where this start called: Bananafish_33 (B2), Blocker23_33 (B2), Brownie5_33 (B2), Dori_29 (AD), GodPhather_26 (W), Jeon_25 (W), Lephleur_33 (B2), MasterPo_33 (B2), PrinceCharming_33 (B2), Tinciduntsolum_34 (B2),

Start 80:
• Found in 19 of 970 (2.0%) of genes in pham
• Manual Annotations of this start: 12 of 857
• Called 63.2% of time when present
• Phage (with cluster) where this start called: BigPhil_20 (F1), CRB2_34 (B9), Cerasum_20 (F1), Hashim76_35 (B13), Imvubu_25 (B10), Indlovu_29 (B11), Knocker_33 (B9), PenguinLover67_33 (B9), Quesadilla_32 (B9), Saguaro_32 (B7), Thonko_30 (B8), Velveteen_20 (F1),

Start 82:

• Found in 5 of 970 (0.5%) of genes in pham
• Manual Annotations of this start: 4 of 857
• Called 100.0% of time when present
• Phage (with cluster) where this start called: 32HC_31 (Z), Brocalys_20 (F1), JustASigh_22 (AH), Pippy_19 (F1), Rem711_30 (Z),

Start 83:
• Found in 500 of 970 (51.5%) of genes in pham
• Manual Annotations of this start: 436 of 857
• Called 97.0% of time when present
• Phage (with cluster) where this start called: 39HC_027 (B6), 40BC_027 (B6), ABU_33 (B1), Abinghost_33 (B3), AbsoluteMadLad_32 (B1), Adriana_33 (B1), Aelin_32 (B1), Ahwei_29 (B4), Akoma_33 (B3), Aleia_33 (B1), Allegro_33 (B2), AltPhacts_33 (B1), Altwerkus_32 (B1), Amochick_27 (Q), Amymech_27 (Q), Anderson_33 (B1), Andre_33 (B1), AngelCake_33 (B1), Antihero_29 (B4), Antonia_32 (B1), Antsirabe_23 (G5), Aonishiki_33 (B1), Apex_30 (B4), Apizium_32 (B1), Arbiter_33 (B2), Ashraf_32 (B1), Athena_34 (B3), Audrey_33 (B3), Austelle_31 (B4), Avocado_23 (G2), Azuria_32 (B1), Badfish_33 (B1), Baloo_33 (B3), Banjo_32 (B1), Basato_34 (B1), BatteryCK_32 (B1), Beaglebox_32 (B1), Ben11_32 (B3), Bernardo_33 (B3), Bishoperium_32 (B1), BlackStallion_33 (B1), BlacksBerry_32 (B1), BloominB_27 (Q), BlueHusk_33 (B1), Bluephacebaby_32 (B1), BobbyK_30 (B4), Boehler_33 (B1), BoogieWoogie_33 (B1), Boyle_33 (B2), Brilliant_33 (B1), BrownCNA_31 (B4), Buckeye_33 (B1), Burr_32 (B1), Calamitous_33 (B2), CamL_33 (B1), Cambiare_24 (G2), CampRoach_33 (B1), Cannibal_33 (B1), Carthage_31 (B1), Casbah_32 (B3), Caspiboi_32 (B1), Caterpie_29 (AD), ChaChing_33 (B3), Chaelin_33 (B1), Chah_34 (B1), Chalmers_33 (B3), Chandler_33 (B3), Charles1_33 (B1), CharlieGBrown_32 (B1), CheetO_33 (B1), Chentzyk_32 (B3), Cher_32 (B1), Childish_32 (B1), Chipette_34 (B1), Chorkpop_33 (B1), ChrisnMich_29 (B4), Chuni_33 (B1), Chute_33 (B1), Cobra_33 (B1), Coffee_33 (B2), Colbert_33 (B1), Coletti_33 (B1), Compostia_34 (B3), Cooper_30 (B4), Cornbread_32 (B1), Cornobble_32 (B1), Cosmolli16_32 (B1), Craff_33 (B1), Crownjwl_33 (B1), DaddyDaniels_33 (B1), Daegal_28 (Q), Daffy_33 (B1), Daisy_33 (B3), Daka_33 (B1), Dati_33 (B1), Deenasa_33 (B3), DeepSoil15_27 (Q), DelRivs_32 (B1), Derpp_32 (B1), Devonte_33 (B3), Dewey_27 (Q), Dice_32 (B1), Dingo_33 (B1), Dione_32 (B1), DirtJuice_33 (B1), Doddsville_33 (B1), DoesntMatter_33 (B1), DolOn_34 (B1), DonSanchon_32 (B1), DuchessDung_31 (B1), Duggie_32 (B1), Durga_33 (B1), Eaglehorse_33 (B2), Ein37_27 (Q), ElvisPhasley_33 (B1), EmGer13_32 (B1), Emiris_33 (B1), EmpTee_33 (B1), Epah_29 (B4), Eremos_33 (B1), Etaye_33 (B1), Eugenia_33 (B1), Evanesce_27 (Q), Fanaw_29 (B4), Fang_33 (B1), Faze9_33 (B2), Flake_33 (B1), FleetyMac_33 (B1), FluffyNinja_33 (B1), ForDig_27 (B6), Forge_27 (Q), Fortunato_30 (B4), Fozzie_32 (B1), Frankicide_33 (B1), Frederick_30 (B4), FremontTroll_32 (B1), FrenchFry_33 (B2), Freya_32 (B1), FriarPreacher_33 (B1), Fringe_33 (B1), FugateOSU_32 (B1), Fulbright_21 (N), Funsized_35 (B9), Gadjet_34 (B3), Gancho_26 (Q), Gareth_32 (B1), GeneCoco_33 (B1), Gervas_33 (B3), Giles_27 (Q), GinPorsche_29 (B4), Giraffe_33 (B1), Glass_33 (B2), GlenHope_34 (B3), Glubnar_34 (B3), Gophee_33 (B1), Grand2040_32 (B1), Gravaillia_27 (Q), GreenChile_33 (B1), Gwennie1_33 (B1), Gwilliam_33 (B1), Gyarad_0033 (B1), HH92_27 (Q), HSavage_33 (B1), Hadrien_27 (Q), Hail_27 (Q), Haimas_33 (B1), Haleema_32 (B1), Halfpint_32 (B3), Hally898_29 (B4), Hamish_33 (B1), Hangman_30 (B4), Happabalu_33 (B1), Hartsy_33 (B1), HarveySr_33 (B3), Harvey_33 (B1), Heath_29 (B4), Heathcliff_33 (B3), Hedgerow_33 (B2), Hekos_30 (B1), Held_33 (B1), HenryJackson_32 (B1), Hertubise_33 (B1), Hetaeria_33 (B1), HighStump_32 (B1), Hocus_32 (B1), HogWash_32 (B1), Holeinone_33 (B2),

Horchata_33 (B1), Hosp_025 (B6), Hydro_30 (B4), ImtiyazSitla_32 (B1), Inchworm_33 (B1), Inverness_33 (B1), Iridessa_33 (B1), Iridoclysis_33 (B1), IsaacEli_33 (B1), ItsyBitsy1_33 (B2), JAMaL_30 (B4), JDog_32 (B1), JacAttac_33 (B1), Jackstina_30 (B3), JaguarMi_30 (B4), JakeO_32 (B1), JangoPhett_33 (B1), Jbug01_32 (B1), Jesabah_33 (B1), Jillium_32 (B1), Jiminy_32 (B1), Jiraiya_32 (B1), JohnLord_30 (AD), Jolie1_027 (B6), Jolie2_23 (G4), JoyceMaria_30 (B4), KLucky39_33 (B1), Kahve_32 (B1), Kailash_33 (B1), Kaleb_33 (B2), Kamiyu_33 (B3), Karn_32 (B1), Katniss_33 (B1), KayaCho_27 (B6), Keitherie_33 (B1), Khan1_32 (B1), Kheth_33 (B2), Kikipoo_33 (B1), Kimbrough_33 (B1), Kinbote_27 (Q), KingTut_24 (B1), KingVeVeVe_33 (B1), Kiwot_32 (B1), KlimbOn_33 (B1), Kloppinator_33 (B1), Kolhan_33 (B2), Kronus_32 (B3), Kwadwo_32 (B1), Kwksand96_32 (B1), Labeouficaum_32 (B1), Lambano_29 (B4), Lars_33 (B2), Larson_34 (B1), LasagnaCat_33 (B1), Lasso_33 (B1), LeeLot_33 (B1), Lego3393_33 (B1), Legolas_32 (B1), Lehmann_33 (B1), LeiMonet_33 (B1), LemonSlice_33 (B1), Lemuria_24 (G4), LestyG_33 (B3), LilHazelnut_27 (Q), LilMcDreamy_28 (B12), LilSmirk_33 (B2), LittleDigger_29 (B4), LizLemon_33 (B2), Lolalove_30 (B4), Longacauda_32 (B1), Lopsy_32 (B1), LostAndPhound_32 (B1), LuckyMarjie_32 (B1), Luke_27 (Q), Lulumae_32 (B1), Lulwa_33 (B1), Lumine_32 (B1), Luna22_27 (Q), MRabcd_32 (B1), Mag7_32 (B1), Magic8_33 (B1), Magpie_29 (B4), Mana_32 (B1), Manad_32 (B1), Mao1_27 (AD), Marley1013_33 (B3), Marlia_33 (B3), Maru_32 (B1), Mask_28 (AD), Maskar_32 (B1), Matalotodo_33 (B1), Mcshane_32 (B1), Mecca_32 (B1), Megamind20_33 (B1), Megatron_33 (B1), Melc17_33 (B1), MelsMeow_32 (B1), Mercurio_25 (G4), Mesh1_33 (B1), Mesmerelda_32 (B1), MichaelPhcott_32 (B1), Mikota_33 (B1), MiniBoss_33 (B1), Minnow_28 (B6), MitKao_33 (B1), Mithril_30 (B4), MmasiCarm_33 (B3), Morgushi_33 (B1), Mortcellus_32 (B3), Morty007_33 (B3), Morty_33 (B1), Mosaic_32 (B1), MrPhizzler_33 (B1), Mudslide_30 (B4), Mulan_32 (B1), Mulaychimus_33 (B3), Murdoc_33 (B1), Mutante_32 (B1), Nacho_0033 (B1), Nanao_29 (B4), Nathan_33 (B1), Nehme_32 (B1), Neos5_33 (B3), Newman_33 (B1), NiaNia_34 (B1), Nicole21_33 (B1), Nova1_32 (B1), Nozo_33 (B3), Numberten_33 (B1), Nyala_32 (B1), OBUpride_27 (Q), OSmaximus_33 (B1), Obutu_33 (B3), Olak_32 (B1), Oline_32 (B1), Olive_33 (B1), OliverWalter_33 (B1), Olivio_32 (B3), Omniscient_33 (B1), OneBrain_33 (B1), Oosterbaan_33 (B1), Opia_33 (B2), OrangeOswald_33 (B3), Orfeu_32 (B1), Orion_33 (B1), Orwigg_32 (B1), PG1_33 (B1), Pacifista_32 (B1), PallasAthena_32 (B1), Phaedrus_31 (B3), Phamished_33 (B1), Phantasmagoria_33 (B2), Phareon_33 (B1), PhatCats2014_33 (B1), PhatLouie_33 (B1), PhenghisKhan_32 (B1), Pherdinand_33 (B1), Phergie_32 (B1), Philly_32 (B3), Phipps_33 (B1), Phleuron_32 (B1), Phloss_21 (N), Phlyer_33 (B3), PhrankReynolds_32 (B1), PhrodoBaggins_32 (B1), Phunky_33 (B1), Piglet_0032 (B1), PinheadLarry_33 (B1), Pinkman_32 (B1), Pipsqueak_33 (B1), Placalicious_32 (B1), Plata_32 (B1), Plmatters_33 (B1), Podrick_33 (B1), Pops_33 (B1), Poster_29 (B4), Potter_32 (B1), Prickles_33 (B1), Prince_30 (B4), ProfessorX_33 (B1), Puhltonio_33 (B1), QueenBeane_33 (B1), QueenPie_29 (B4), Quisquiliae_33 (B1), RagingRooster_33 (B3), RawrgerThat_30 (B4), RedMaple_32 (B1), RedRaider89_34 (B1), Renkei_29 (B4), Rhinoforte_33 (B2), Ricotta_32 (B1), Riggan_33 (B1), Rimu_33 (B1), Rinkes_34 (B9), Rita1961_33 (B3), Riverton_33 (B1), Robyn_32 (B1), Roliet_33 (B1), RomaT_33 (B3), Roscoe_34 (B1), Rosebush_33 (B2), Roy17_33 (B1), SDcharge11_33 (B1), Sabella_33 (B2), Salazzle_33 (B1), SallyH_33 (B1), Samaymay_33 (B1), SassyCat97_32 (B1), Schadenfreude_32 (B1), Schueller_32 (B1), Scoot17C_33 (B1), Scrick_33 (B1), Sejanus_28 (AD), Selr12_33 (B1), Septica_32 (B1), Serendipity_33 (B1), Serpentine_0033 (B1), ShadowBud_33 (B1), Sheila_33 (B1), Shenandoah_33 (B3), ShiVal_33 (B1), Sigman_33 (B1), SilverBell_33 (B1), Simielle_32 (B1), SirBeauregard_33 (B1), Skippy_33 (B1), Slatt_33 (B1), SlippinJimmy_33 (B3), Soile_33 (B1), Solosis_32 (B1), Sophia_32

(B1), Soto_33 (B1), Spartan300_33 (B1), Squid_33 (B1), Squiggle_33 (B1), Squirty_20 (F3), Stargaze_23 (G5), Struggle_32 (B1), Suffolk_33 (B1), Surely_33 (B1), SwainyDoc_33 (B3), Swiphy_33 (B1), Swish_33 (B1), SynergyX_33 (B3), TA17A_34 (B2), TallGrassMM_33 (B1), Taraxa_32 (B1), Telesworld_32 (B1), Thora_33 (B1), ThreeOh3D2_33 (B1), Thunderbird_32 (B1), Timmi_32 (B1), TinyTerror_33 (B3), TomBombadil_33 (B1), Tomlarah_33 (B1), Toni_32 (B1), TooFast2Furius_34 (B1), Tooj_33 (B1), Tres_33 (B2), Triad_33 (B1), True_32 (B1), Trypo_33 (B1), Tydolla_33 (B3), TyrionL_32 (B1), UAch1_33 (B1), Ubuntu_27 (Q), UncleHowie_33 (B1), Usavi_33 (B1), Vaishali24_32 (B1), Valjean_33 (B1), Vaticameos_33 (B1), Vectra_32 (B1), Veritas_32 (B1), VioletZ_30 (B4), Virapocalypse_33 (B1), Virgeve_32 (B1), Vista_33 (B1), Vivaldi_33 (B1), Vortex_33 (B1), Waleliano_30 (B4), Wallhey_32 (B1), Waterdiva_33 (B1), Webster2_27 (Q), Weher20_33 (B1), West99_33 (B2), Windsor_32 (B1), Wishmaker_27 (Q), Xavier_32 (B1), Xincheng_29 (B4), Yahalom_33 (B3), YangYin_23 (G5), Yinz_33 (B3), Yoshand_33 (B1), YouGoGlencoco_33 (B1), Zaider_34 (B1), Zelda_33 (B1), Zemanar_31 (B4), Zonia_33 (B1),

Start 85:
• Found in 4 of 970 (0.4%) of genes in pham
• Manual Annotations of this start: 4 of 857
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AlanGrant_31 (B4), Nigel_28 (B4), Stinger_28 (B4), Vincenzo_31 (B4),

Start 86:
• Found in 27 of 970 (2.8%) of genes in pham
• Manual Annotations of this start: 22 of 857
• Called 85.2% of time when present
• Phage (with cluster) where this start called: Akhila_20 (F1), BabeRuth_21 (N), Clifton_19 (F1), Crumble_19 (F1), GreaseLightnin_22 (P1), Hanako_21 (N), Jamie19_21 (N), Jennelsea_19 (F1), Koella_19 (F1), LastJedi_19 (F1), MilanaBonita_20 (F1), Ms6_19 (F1), Nenae_21 (N), PhancyPhin_21 (N), Purgamenstris_21 (N), QueenHazel_22 (I1), Redi_21 (N), Sarma624_20 (F1), ShrimpFriedEgg_21 (N), Spinach_21 (N), SpongeBob_21 (N), Stuck_21 (I2), Xula_21 (I1),

Start 87:
• Found in 3 of 970 (0.3%) of genes in pham
• Manual Annotations of this start: 2 of 857
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Nanosmite_35 (M3), NovoPizza_24 (Q), RoseMarie_32 (M1),

Start 89:
• Found in 27 of 970 (2.8%) of genes in pham
• Manual Annotations of this start: 7 of 857
• Called 25.9% of time when present
• Phage (with cluster) where this start called: Appletree2_21 (L1), Arissanae_32 (A9), CicholasNage_21 (L1), JoeDirt_21 (L1), LeBron_21 (L1), UPIE_21 (L1), Vanisoa_31 (A9),

Start 90:
• Found in 2 of 970 (0.2%) of genes in pham

• Manual Annotations of this start: 2 of 857
• Called 100.0% of time when present
• Phage (with cluster) where this start called: EvilGenius_34 (A2), Keziacharles14_32 (A9),

Start 91:
• Found in 50 of 970 (5.2%) of genes in pham
• Manual Annotations of this start: 34 of 857
• Called 88.0% of time when present
• Phage (with cluster) where this start called: Acquire49_21 (L1), AvadaKedavra_21 (L1), Bellis_22 (L3), BourbonZero_21 (L3), BrainDrainer_22 (L4), Calm_21 (L1), Clautastrophe_22 (L3), DirkDirk_21 (L1), Douzhi_21 (L4), DuncansLeg_22 (L3), Ellson_22 (L3), Enceladus_21 (L1), Finnry_22 (L3), Halena_21 (L1), Jobypre_22 (L3), Jubie_22 (L3), Kingsolomon_22 (L3), KirDoubleO7_20 (L3), Krypton555_22 (L3), LiyuLake_22 (L3), Lolly9_22 (L3), Lumos_22 (L3), MAckerman_21 (L1), MiniLon_22 (L3), MiniMac_22 (L3), Moostard_22 (L3), MsGreen_22 (L3), Nicholas_22 (L3), OhShagHennessy_21 (L1), P3MA_24 (singleton), PYPDinur_21 (L4), Poochiewood_21 (L1), Red305_22 (L3), Rose5_21 (L1), Samty_22 (L3), Sheng711_21 (L4), Silverleaf_21 (L1), Snenia_22 (L3), TriFive_22 (L3), Tyson_21 (L1), Wamburgrxpress_21 (L1), Whirlwind_23 (L3), Wyatt2_21 (L1), Zaria_21 (L1),

Start 93:
• Found in 3 of 970 (0.3%) of genes in pham
• No Manual Annotations of this start.
• Called 33.3% of time when present
• Phage (with cluster) where this start called: LittleMinkey_37 (B13),

Start 103:
• Found in 9 of 970 (0.9%) of genes in pham
• Manual Annotations of this start: 6 of 857
• Called 77.8% of time when present
• Phage (with cluster) where this start called: BirdsNest_34 (B13), Cloudyecho_23 (G3), FlagStaff_23 (G2), GodSpeed_23 (G2), MOOREtheMARYer_24 (G3), Pace1224_23 (G2), Pinnie_24 (G3),

Start 105:
• Found in 8 of 970 (0.8%) of genes in pham
• Manual Annotations of this start: 6 of 857
• Called 75.0% of time when present
• Phage (with cluster) where this start called: Bromden_23 (L4), Chaser_21 (L4), ChutneyChips_22 (L4), Douge_21 (L4), DyoEdafos_22 (L4), Kropertea_21 (L4),

Start 106:
• Found in 6 of 970 (0.6%) of genes in pham
• Manual Annotations of this start: 6 of 857
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Aziz_35 (M2), Estes_36 (M2), GardenSalsa_35 (M2), GenevaB15_35 (M2), MrMagoo_35 (M2), Rey_35 (M2),

Start 108:
• Found in 4 of 970 (0.4%) of genes in pham
• Manual Annotations of this start: 1 of 857
• Called 25.0% of time when present

• Phage (with cluster) where this start called: NoShow_22 (AB),

Start 110:
• Found in 3 of 970 (0.3%) of genes in pham
• Manual Annotations of this start: 3 of 857
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Aikoy_42 (AE), Leopard_42 (AE), Onyinye_43 (AE),

Start 128:
• Found in 38 of 970 (3.9%) of genes in pham
• Manual Annotations of this start: 1 of 857
• Called 2.6% of time when present
• Phage (with cluster) where this start called: HubbaBubba_42 (CR4),

Start 129:
• Found in 11 of 970 (1.1%) of genes in pham
• Manual Annotations of this start: 10 of 857
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BiPauneto_47 (CR4), Commandaria_46 (CR2), Fury_53 (CR5), Gsput1_26 (CU2), HomeFry_50 (CR5), Pemberton_47 (CR4), Pleakley_53 (CR5), Scuba_53 (CR5), Sukkupi_46 (CR4), WhoseManz_46 (CR4), Yndexa_46 (CR4),

Start 130:
• Found in 25 of 970 (2.6%) of genes in pham
• Manual Annotations of this start: 6 of 857
• Called 24.0% of time when present
• Phage (with cluster) where this start called: Aggie_22 (N), Bosection6_22 (N), Carcharodon_22 (N), Charlie_22 (N), Philonius_22 (N), Pipsqueaks_22 (N),

Start 131:
• Found in 62 of 970 (6.4%) of genes in pham
• Manual Annotations of this start: 18 of 857
• Called 30.6% of time when present
• Phage (with cluster) where this start called: Chewbacca_22 (N), Cubone_22 (N), Duplicity_22 (N), EGUnicorn_22 (N), Gex_22 (N), Journey_22 (N), LilSpotty_25 (singleton), Magsby_22 (N), Melville_22 (N), MulchSalad_20 (F7), Parmesanjohn_22 (N), Schnauzer_22 (N), Silvafighter_22 (N), Silvy_22 (N), Smurph_22 (N), Tapioca_22 (N), Tessdabest_21 (N), Tortoise12_22 (N), Xerxes_22 (N),

Start 135:
• Found in 437 of 970 (45.1%) of genes in pham
• Manual Annotations of this start: 1 of 857
• Called 0.2% of time when present
• Phage (with cluster) where this start called: Chunky_33 (B1),

Start 141:
• Found in 36 of 970 (3.7%) of genes in pham
• Manual Annotations of this start: 12 of 857
• Called 36.1% of time when present
• Phage (with cluster) where this start called: Andies_21 (N), CactusJack_22 (P1), Dynamo_22 (P1), Gavriela_22 (P1), Glaske_22 (P1), KilKor_22 (P1), Megiddo_22

(P1), Phalm_22 (P1), Phineas_22 (P1), Scitech_21 (N), Shweta_21 (N), StressBall_22 (P1), Willsammy_22 (P1),

Start 142:
• Found in 6 of 970 (0.6%) of genes in pham
• Manual Annotations of this start: 2 of 857
• Called 100.0% of time when present
• Phage (with cluster) where this start called: 8UZL_25 (AB), FF47_25 (AB), LongHai_26 (AB), Maco6_23 (AB), Muddy_25 (AB), Salvus_26 (AB),

Start 143:
• Found in 124 of 970 (12.8%) of genes in pham
• Manual Annotations of this start: 31 of 857
• Called 27.4% of time when present
• Phage (with cluster) where this start called: Alephilan_30 (DV), Apeppi_30 (DV), BirthdayBoy_34 (DV), DaviePasture_33 (DV), DoobyDoo_32 (DV), Eponine_29 (K4), Erutan_33 (DV), Fulcrum_34 (DV), GOATification_34 (DV), Gibbin_34 (DV), GretelLyn_33 (DV), Jalebi_32 (DV), Lambo_33 (DV), Langerak_22 (P1), LavAbarElk_31 (DV), Lila22_32 (DV), Malithi_22 (P1), Mima20_31 (DV), MoiGyank_35 (DV), Nettle_34 (DV), NorManre_34 (DV), OtterstedtS21_33 (DV), ParvusTarda_33 (DV), Patos_34 (DV), Phrann_21 (N), Pywacket_32 (DV), Ranch_33 (DV), SamScheppers_27 (K4), Sampudon_33 (DV), Taquito_27 (K4), Tillicus_32 (DV), Wojtek_32 (DV), Yikes_34 (DV), Zany_32 (DV),

Start 144:
• Found in 5 of 970 (0.5%) of genes in pham
• Manual Annotations of this start: 5 of 857
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Butters_22 (N), Juliette_30 (K4), Kevin1_22 (N), Rubeelu_22 (N), Ruthiejr_29 (K4),

Start 146:
• Found in 121 of 970 (12.5%) of genes in pham
• Manual Annotations of this start: 97 of 857
• Called 92.6% of time when present
• Phage (with cluster) where this start called: Agent47_27 (K5), Arib1_22 (P1), Atcoo_22 (P1), AuntGwenStacy_28 (Y), Auspice_31 (M1), Babsiella_22 (I1), BabyMoney_29 (DT), BananenDer11_27 (K5), Bartholomew_22 (P1), Bhagsy_22 (P1), Bluvara_22 (I3), Bongo_31 (M1), Bricole_31 (M1), BronnyJr_22 (P1), Brusacoram_22 (P1), Bunnies_22 (P1), Camster_22 (P1), Che9c_21 (I2), Chubbello_22 (P1), Collard_27 (K5), Cracklewink_28 (Y), Curiosium_29 (K1), DanSyl44_30 (K4), Diminimus_32 (M1), Donovan_22 (P1), DoubleChamp_27 (K5), Dulcita_32 (M1), DumpsterDude_23 (DW), Edugator_27 (K5), Etoile_22 (P1), Ewald_30 (DT), Faiyaz_28 (Y), Farewell_21 (AF), Feyre_27 (K5), FirstPlacePfu_22 (P1), Fishburne_22 (P1), FreakyGoo_32 (M1), GaloreK_22 (P1), Gengar_27 (K5), Glaske16_32 (M1), Guillsminger_27 (K5), HC_22 (I1), HUHilltop_22 (P1), Heftyboy_27 (K5), Hilltopfarm_28 (Y), IPhane7_31 (M1), Impisi_22 (N), InvictusManeo_27 (K5), Izel_32 (M1), Jebeks_22 (P1), Jung_22 (P1), Juniormint_22 (P1), Kari_22 (P1), KleverKiS_31 (M1), Kratio_26 (K5), Ksquared_22 (P1), Larva_28 (K5), Leston_27 (K5), LilDirt_26 (K5), LilhomieP_30 (M1), LordVader_20 (F), Majeke_22 (P1), MalagasyRose_28 (AG), Mangethe_22 (P1), MichelleMyBell_22 (N), Miryou_27 (K5), Necropolis_22 (P1), Neighly_28 (K3), Nyceirae_31 (DT), Okabe_21 (F8), OkiRoe_27 (K5), Omnicron_28 (K5), Panchino_21 (N), Paola_27 (K5),

PegLeg_31 (M1), Phayonce_22 (P5), Phegasus_22 (P1), Phishy_30 (DT), Pimento_27 (DI), Polkaroo_22 (P1), Purky_22 (P6), Rando14_28 (K5), RavenCo17_26 (CZ8), Raymond7_21 (N), Rebel_21 (N), Reindeer_30 (M1), Sbash_21 (I2), SkinnyPete_21 (N), Skinny_32 (M1), SlimJimmy_30 (M1), SoSeph_27 (K5), Sonah_22 (P1), Sparky_21 (AF), Sprinklemunch_22 (DW), StevieRay_22 (P1), Techage_22 (P1), Thespis_22 (P1), ThulaThula_22 (P5), Thyatira_27 (K5), Tortellini_22 (P2), TpudiCK_32 (M1), TyDawg_31 (M1), Typha_28 (Y), Venti_22 (P1), Vidya_22 (P1), ViviJ_26 (K5), WST1_22 (AJ), Waterfoul_27 (K5), Xavia_22 (P3), Xeno_21 (N), Zilizebeth_22 (P1), Zodiariah_22 (DW),

Start 148:
• Found in 17 of 970 (1.8%) of genes in pham
• Manual Annotations of this start: 14 of 857
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Alyssamiracle_33 (DV), Astralis_30 (DV), Avian_30 (DV), Charminar_30 (DV), Daredevil_37 (DL), Dogfish_30 (DT), GTE8_33 (CR2), Genamy16_33 (DV), Jamemuya19_30 (DV), Manilisa_32 (DT), NovaSharks_32 (DV), RazorC_31 (DV), Riduram_30 (DV), Rumi_32 (DV), Stormer_31 (DV), Towmatter_36 (DL), Vordorf_31 (DT),

Start 149:
• Found in 56 of 970 (5.8%) of genes in pham
• Manual Annotations of this start: 1 of 857
• Called 1.8% of time when present
• Phage (with cluster) where this start called: Snekmaggedon_21 (N),

Start 150:
• Found in 31 of 970 (3.2%) of genes in pham
• Manual Annotations of this start: 30 of 857
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Arti_44 (CR2), Ayotoya_27 (DI), BetterKatz_27 (DI), Bock_27 (DI), Bonum_48 (CR2), Brylie_27 (DI), Buggaboo_46 (CR2), Chop_27 (DI), DelRio_28 (DI), Ennea_51 (CR3), Float294_47 (CR3), Francois_27 (DI), GrandSlam_27 (DI), Hamood_27 (DI), Jumbo_25 (DF3), Kabluna_48 (CR2), Lollipop1437_50 (CR3), MerCougar_46 (CR2), Mulch_27 (DI), Nadeem_27 (DI), NancyRae_27 (DI), NosilaM_48 (CR2), Outis_46 (CR2), Parada_27 (DI), Patio_48 (CR3), RedRaider_52 (CR3), Skysand_47 (CR3), StarStruck_46 (CR2), SuperSulley_46 (CR2), SussRoloMann_27 (DI), WheatThin_27 (DI),

Start 151:
• Found in 6 of 970 (0.6%) of genes in pham
• No Manual Annotations of this start.
• Called 33.3% of time when present
• Phage (with cluster) where this start called: FarmResident_21 (L4), Quby_21 (L4),

Start 152:
• Found in 78 of 970 (8.0%) of genes in pham
• Manual Annotations of this start: 1 of 857
• Called 1.3% of time when present
• Phage (with cluster) where this start called: SuperSonics_37 (U),

Start 153:
• Found in 4 of 970 (0.4%) of genes in pham

• Manual Annotations of this start: 2 of 857
• Called 75.0% of time when present
• Phage (with cluster) where this start called: AmandaPanda_38 (H2), Barnyard_37 (H2), DrLupo_39 (H2),

Start 162:
• Found in 38 of 970 (3.9%) of genes in pham
• No Manual Annotations of this start.
• Called 2.6% of time when present
• Phage (with cluster) where this start called: PeanutPie_22 (P1),

Start 164:
• Found in 3 of 970 (0.3%) of genes in pham
• Manual Annotations of this start: 1 of 857
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Meyran_29 (DT),

Start 172:
• Found in 1 of 970 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 857
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Archimedes_26 (DA),

Start 178:
• Found in 22 of 970 (2.3%) of genes in pham
• Manual Annotations of this start: 14 of 857
• Called 72.7% of time when present
• Phage (with cluster) where this start called: Chancellor_29 (K4), Cheetobro_29 (K4), Fionnbharth_29 (K4), JF1_29 (K4), Kraw_29 (K4), Lebo14_29 (K4), Malthus_30 (K4), MissDaisy_29 (K4), Mitti_29 (K4), Nolwazi_30 (K4), OmniCritical_29 (K4), Qhanda_30 (K4), Slarp_29 (K4), Wintermute_29 (K4), Y10_29 (K4), Y2_29 (K4),

Start 179:
• Found in 4 of 970 (0.4%) of genes in pham
• Manual Annotations of this start: 1 of 857
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Aaravos_30 (DV), LuckyLeo_32 (DV),

Start 180:
• Found in 40 of 970 (4.1%) of genes in pham
• Manual Annotations of this start: 3 of 857
• Called 12.5% of time when present
• Phage (with cluster) where this start called: Amore2_33 (CS1), Austin_33 (CS1), GMA7_23 (CS1), GTE7_23 (CS1), HayZem_32 (CS1),

Start 191:
• Found in 9 of 970 (0.9%) of genes in pham
• No Manual Annotations of this start.
• Called 22.2% of time when present
• Phage (with cluster) where this start called: Rota_32 (DV), Rukungu_33 (DV),

Start 205:
• Found in 7 of 970 (0.7%) of genes in pham

• No Manual Annotations of this start.
• Called 14.3% of time when present
• Phage (with cluster) where this start called: MakCheese_24 (DW),

Start 217:
• Found in 25 of 970 (2.6%) of genes in pham
• Manual Annotations of this start: 25 of 857
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Anamika_30 (CS3), Berries_30 (CS3), Bianmat_30 (CS3), Charianelly_30 (CS3), Damp_30 (CS3), Diabla_32 (CS2), FelixAlejandro_34 (CS2), GalacticEye_30 (CS3), Hail2Pitt_30 (CS3), Harambe_30 (CS3), Hello_30 (CS3), Jams_30 (CS3), Jormungandr_30 (CS3), Kaseim_30 (CS3), Lahirium_30 (CS3), Lidong_30 (CS3), Luker_31 (CS3), Minos_31 (CS3), MrWormie_30 (CS3), Neoevie_30 (CS3), Newt_31 (CS3), Nimi13_30 (CS3), Shelley_30 (CS3), Teal_30 (CS3), Woes_30 (CS3),

Start 221:
• Found in 1 of 970 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 857
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Skog_188 (DO),

Summary by clusters:

There are 76 clusters represented in this pham: I1, DO, singleton, DW, M3, DI, M2, DL, DA, B12, K1, AB, M1, B13, K5, K4, DV, P6, DT, G5, G4, G3, G2, B10, B11, I3, I2, DF3, CZ8, A2, K3, A9, CS1, CS3, CS2, P2, P3, AC, P1, AE, AD, AG, F1, AH, AJ, N, Q, L4, U, L3, W, L1, Y, Z, AF, CU2, CR2, CR3, F3, CR4, CR5, F8, F, F7, H2, B4, B5, B6, B7, B1, B2, B3, K7, P5, B8, B9,

Info for manual annotations of cluster A2:
•Start number 90 was manually annotated 1 time for cluster A2.

Info for manual annotations of cluster A9:
•Start number 89 was manually annotated 2 times for cluster A9.
•Start number 90 was manually annotated 1 time for cluster A9.

Info for manual annotations of cluster AB:
•Start number 108 was manually annotated 1 time for cluster AB.
•Start number 142 was manually annotated 2 times for cluster AB.

Info for manual annotations of cluster AC:
•Start number 61 was manually annotated 1 time for cluster AC.

Info for manual annotations of cluster AD:
•Start number 79 was manually annotated 1 time for cluster AD.
•Start number 83 was manually annotated 3 times for cluster AD.

Info for manual annotations of cluster AE:
•Start number 110 was manually annotated 3 times for cluster AE.

Info for manual annotations of cluster AF:
•Start number 146 was manually annotated 2 times for cluster AF.

Info for manual annotations of cluster AG:
•Start number 146 was manually annotated 1 time for cluster AG.

Info for manual annotations of cluster AH:
•Start number 82 was manually annotated 1 time for cluster AH.

Info for manual annotations of cluster B1:
•Start number 83 was manually annotated 296 times for cluster B1.
•Start number 135 was manually annotated 1 time for cluster B1.

Info for manual annotations of cluster B10:
•Start number 80 was manually annotated 1 time for cluster B10.

Info for manual annotations of cluster B11:
•Start number 80 was manually annotated 1 time for cluster B11.

Info for manual annotations of cluster B12:
•Start number 83 was manually annotated 1 time for cluster B12.

Info for manual annotations of cluster B13:
•Start number 78 was manually annotated 1 time for cluster B13.
•Start number 80 was manually annotated 1 time for cluster B13.
•Start number 103 was manually annotated 1 time for cluster B13.

Info for manual annotations of cluster B2:
•Start number 74 was manually annotated 1 time for cluster B2.
•Start number 76 was manually annotated 4 times for cluster B2.
•Start number 79 was manually annotated 7 times for cluster B2.
•Start number 83 was manually annotated 25 times for cluster B2.

Info for manual annotations of cluster B3:
•Start number 83 was manually annotated 49 times for cluster B3.

Info for manual annotations of cluster B4:
•Start number 83 was manually annotated 25 times for cluster B4.
•Start number 85 was manually annotated 4 times for cluster B4.

Info for manual annotations of cluster B5:
•Start number 29 was manually annotated 11 times for cluster B5.

Info for manual annotations of cluster B6:
•Start number 83 was manually annotated 2 times for cluster B6.

Info for manual annotations of cluster B7:
•Start number 80 was manually annotated 1 time for cluster B7.

Info for manual annotations of cluster B8:
•Start number 80 was manually annotated 1 time for cluster B8.

Info for manual annotations of cluster B9:
•Start number 80 was manually annotated 4 times for cluster B9.

•Start number 83 was manually annotated 2 times for cluster B9.

Info for manual annotations of cluster CR2:
•Start number 129 was manually annotated 1 time for cluster CR2.
•Start number 150 was manually annotated 9 times for cluster CR2.

Info for manual annotations of cluster CR3:
•Start number 150 was manually annotated 6 times for cluster CR3.

Info for manual annotations of cluster CR4:
•Start number 128 was manually annotated 1 time for cluster CR4.
•Start number 129 was manually annotated 5 times for cluster CR4.

Info for manual annotations of cluster CR5:
•Start number 129 was manually annotated 4 times for cluster CR5.

Info for manual annotations of cluster CS1:
•Start number 180 was manually annotated 3 times for cluster CS1.

Info for manual annotations of cluster CS2:
•Start number 217 was manually annotated 2 times for cluster CS2.

Info for manual annotations of cluster CS3:
•Start number 217 was manually annotated 23 times for cluster CS3.

Info for manual annotations of cluster CZ8:
•Start number 146 was manually annotated 1 time for cluster CZ8.

Info for manual annotations of cluster DA:
•Start number 172 was manually annotated 1 time for cluster DA.

Info for manual annotations of cluster DF3:
•Start number 150 was manually annotated 1 time for cluster DF3.

Info for manual annotations of cluster DI:
•Start number 146 was manually annotated 1 time for cluster DI.
•Start number 150 was manually annotated 14 times for cluster DI.

Info for manual annotations of cluster DL:
•Start number 148 was manually annotated 2 times for cluster DL.

Info for manual annotations of cluster DO:
•Start number 221 was manually annotated 1 time for cluster DO.

Info for manual annotations of cluster DT:
•Start number 146 was manually annotated 3 times for cluster DT.
•Start number 148 was manually annotated 1 time for cluster DT.
•Start number 164 was manually annotated 1 time for cluster DT.

Info for manual annotations of cluster DV:
•Start number 143 was manually annotated 25 times for cluster DV.
•Start number 148 was manually annotated 11 times for cluster DV.

•Start number 179 was manually annotated 1 time for cluster DV.

Info for manual annotations of cluster DW:
•Start number 146 was manually annotated 2 times for cluster DW.

Info for manual annotations of cluster F:
•Start number 146 was manually annotated 1 time for cluster F.

Info for manual annotations of cluster F1:
•Start number 80 was manually annotated 3 times for cluster F1.
•Start number 82 was manually annotated 2 times for cluster F1.
•Start number 86 was manually annotated 8 times for cluster F1.

Info for manual annotations of cluster F3:
•Start number 83 was manually annotated 1 time for cluster F3.

Info for manual annotations of cluster F7:
•Start number 131 was manually annotated 1 time for cluster F7.

Info for manual annotations of cluster G2:
•Start number 83 was manually annotated 2 times for cluster G2.
•Start number 103 was manually annotated 2 times for cluster G2.

Info for manual annotations of cluster G3:
•Start number 103 was manually annotated 3 times for cluster G3.

Info for manual annotations of cluster G4:
•Start number 83 was manually annotated 2 times for cluster G4.

Info for manual annotations of cluster G5:
•Start number 83 was manually annotated 3 times for cluster G5.

Info for manual annotations of cluster H2:
•Start number 153 was manually annotated 2 times for cluster H2.

Info for manual annotations of cluster I1:
•Start number 86 was manually annotated 2 times for cluster I1.
•Start number 146 was manually annotated 2 times for cluster I1.

Info for manual annotations of cluster I2:
•Start number 86 was manually annotated 1 time for cluster I2.
•Start number 146 was manually annotated 2 times for cluster I2.

Info for manual annotations of cluster K1:
•Start number 146 was manually annotated 1 time for cluster K1.

Info for manual annotations of cluster K4:
•Start number 143 was manually annotated 3 times for cluster K4.
•Start number 144 was manually annotated 2 times for cluster K4.
•Start number 178 was manually annotated 14 times for cluster K4.

Info for manual annotations of cluster K5:
•Start number 146 was manually annotated 22 times for cluster K5.

Info for manual annotations of cluster K7:
•Start number 33 was manually annotated 1 time for cluster K7.

Info for manual annotations of cluster L1:
•Start number 89 was manually annotated 5 times for cluster L1.
•Start number 91 was manually annotated 14 times for cluster L1.

Info for manual annotations of cluster L3:
•Start number 91 was manually annotated 19 times for cluster L3.

Info for manual annotations of cluster L4:
•Start number 105 was manually annotated 6 times for cluster L4.

Info for manual annotations of cluster M1:
•Start number 146 was manually annotated 15 times for cluster M1.

Info for manual annotations of cluster M2:
•Start number 106 was manually annotated 6 times for cluster M2.

Info for manual annotations of cluster M3:
•Start number 87 was manually annotated 1 time for cluster M3.

Info for manual annotations of cluster N:
•Start number 83 was manually annotated 2 times for cluster N.
•Start number 86 was manually annotated 10 times for cluster N.
•Start number 130 was manually annotated 6 times for cluster N.
•Start number 131 was manually annotated 16 times for cluster N.
•Start number 141 was manually annotated 2 times for cluster N.
•Start number 143 was manually annotated 1 time for cluster N.
•Start number 144 was manually annotated 3 times for cluster N.
•Start number 146 was manually annotated 6 times for cluster N.
•Start number 149 was manually annotated 1 time for cluster N.

Info for manual annotations of cluster P1:
•Start number 86 was manually annotated 1 time for cluster P1.
•Start number 141 was manually annotated 10 times for cluster P1.
•Start number 143 was manually annotated 2 times for cluster P1.
•Start number 146 was manually annotated 28 times for cluster P1.

Info for manual annotations of cluster P2:
•Start number 146 was manually annotated 1 time for cluster P2.

Info for manual annotations of cluster P3:
•Start number 146 was manually annotated 1 time for cluster P3.

Info for manual annotations of cluster P5:
•Start number 146 was manually annotated 2 times for cluster P5.

Info for manual annotations of cluster P6:

•Start number 146 was manually annotated 1 time for cluster P6.

Info for manual annotations of cluster Q:
•Start number 83 was manually annotated 23 times for cluster Q.
•Start number 87 was manually annotated 1 time for cluster Q.

Info for manual annotations of cluster U:
•Start number 152 was manually annotated 1 time for cluster U.

Info for manual annotations of cluster W:
•Start number 74 was manually annotated 1 time for cluster W.
•Start number 76 was manually annotated 3 times for cluster W.
•Start number 77 was manually annotated 2 times for cluster W.
•Start number 79 was manually annotated 2 times for cluster W.

Info for manual annotations of cluster Y:
•Start number 146 was manually annotated 5 times for cluster Y.

Info for manual annotations of cluster Z:
•Start number 82 was manually annotated 1 time for cluster Z.

Gene Information:

Gene: 32HC_31 Start: 25140, Stop: 26351, Start Num: 82
Candidate Starts for 32HC_31:
(Start: 82 @25140 has 4 MA's), (95, 25161), (159, 25299), (223, 25401), (297, 25524), (305, 25539), (317, 25560), (351, 25611), (363, 25641), (364, 25644), (367, 25650), (381, 25677), (383, 25680), (386, 25686), (395, 25701), (399, 25707), (414, 25728), (421, 25740), (470, 25872), (473, 25899), (535, 26082), (554, 26115), (613, 26289),

Gene: 39HC_027 Start: 30067, Stop: 31293, Start Num: 83
Candidate Starts for 39HC_027:
(16, 29542), (23, 29644), (Start: 83 @30067 has 436 MA's), (102, 30106), (127, 30157), (Start: 135 @30178 has 1 MA's), (161, 30223), (199, 30283), (209, 30304), (210, 30307), (236, 30364), (267, 30418), (269, 30421), (272, 30427), (345, 30544), (405, 30613), (460, 30718), (506, 30850), (510, 30856), (564, 30979), (603, 31039), (613, 31093), (616, 31099), (630, 31147),

Gene: 40BC_027 Start: 30067, Stop: 31293, Start Num: 83
Candidate Starts for 40BC_027:
(16, 29542), (23, 29644), (Start: 83 @30067 has 436 MA's), (102, 30106), (127, 30157), (Start: 135 @30178 has 1 MA's), (161, 30223), (199, 30283), (209, 30304), (210, 30307), (236, 30364), (267, 30418), (269, 30421), (272, 30427), (345, 30544), (405, 30613), (460, 30718), (506, 30850), (510, 30856), (564, 30979), (603, 31039), (613, 31093), (616, 31099), (630, 31147),

Gene: 8UZL_25 Start: 21727, Stop: 22752, Start Num: 142
Candidate Starts for 8UZL_25:
(Start: 142 @21727 has 2 MA's), (194, 21817), (231, 21886), (234, 21895), (280, 21973), (317, 22036), (319, 22039), (355, 22087), (425, 22183), (437, 22219), (461, 22270), (475, 22327), (570, 22564), (617, 22690),

Gene: ABU_33 Start: 32364, Stop: 33524, Start Num: 83

Candidate Starts for ABU_33:
(Start: 83 @32364 has 436 MA's), (Start: 135 @32475 has 1 MA's), (161, 32520), (218, 32619), (247, 32679), (267, 32715), (283, 32739), (306, 32784), (311, 32790), (350, 32841), (390, 32880), (391, 32883), (399, 32895), (409, 32910), (424, 32934), (437, 32967), (467, 33048), (480, 33093), (497, 33141), (510, 33177), (514, 33186), (517, 33192), (609, 33417),

Gene: Aaravos_30 Start: 28857, Stop: 29846, Start Num: 179
Candidate Starts for Aaravos_30:
(Start: 143 @28800 has 31 MA's), (Start: 179 @28857 has 1 MA's), (225, 28947), (231, 28956), (233, 28962), (237, 28971), (266, 29025), (385, 29223), (430, 29289), (435, 29301), (461, 29370), (506, 29511),

Gene: Abinghost_33 Start: 32219, Stop: 33421, Start Num: 83
Candidate Starts for Abinghost_33:
(Start: 83 @32219 has 436 MA's), (99, 32252), (177, 32396), (183, 32405), (188, 32414), (209, 32453), (214, 32462), (222, 32480), (230, 32498), (237, 32516), (240, 32522), (249, 32534), (259, 32552), (267, 32567), (287, 32600), (303, 32627), (332, 32672), (371, 32753), (386, 32780), (397, 32798), (409, 32816), (432, 32858), (441, 32882), (469, 32957), (473, 32987), (497, 33047), (500, 33059), (506, 33077), (545, 33179), (594, 33284), (596, 33290), (600, 33308), (626, 33395),

Gene: AbsoluteMadLad_32 Start: 32373, Stop: 33533, Start Num: 83
Candidate Starts for AbsoluteMadLad_32:
(Start: 83 @32373 has 436 MA's), (Start: 135 @32484 has 1 MA's), (161, 32529), (218, 32628), (247, 32688), (267, 32724), (283, 32748), (306, 32793), (311, 32799), (350, 32850), (390, 32889), (391, 32892), (399, 32904), (409, 32919), (424, 32943), (437, 32976), (467, 33057), (480, 33102), (497, 33150), (510, 33186), (514, 33195), (517, 33201), (609, 33426),

Gene: Acadian_32 Start: 32586, Stop: 34091, Start Num: 29
Candidate Starts for Acadian_32:
(Start: 29 @32586 has 11 MA's), (30, 32604), (34, 32625), (42, 32679), (57, 32757), (60, 32775), (63, 32790), (65, 32802), (177, 33039), (201, 33090), (215, 33117), (227, 33144), (273, 33231), (283, 33246), (304, 33285), (350, 33375), (376, 33435), (442, 33558), (458, 33597), (469, 33633), (596, 33957), (631, 34077),

Gene: Acquire49_21 Start: 21688, Stop: 22860, Start Num: 91
Candidate Starts for Acquire49_21:
(Start: 89 @21685 has 7 MA's), (Start: 91 @21688 has 34 MA's), (Start: 149 @21814 has 1 MA's), (173, 21856), (177, 21868), (Start: 180 @21871 has 3 MA's), (201, 21904), (206, 21916), (230, 21964), (237, 21982), (259, 22018), (267, 22033), (298, 22084), (315, 22114), (334, 22156), (352, 22180), (401, 22216), (405, 22222), (423, 22249), (432, 22267), (469, 22360), (470, 22363), (494, 22447), (547, 22585), (557, 22603), (593, 22687),

Gene: Adriana_33 Start: 32362, Stop: 33522, Start Num: 83
Candidate Starts for Adriana_33:
(Start: 83 @32362 has 436 MA's), (Start: 135 @32473 has 1 MA's), (161, 32518), (218, 32617), (247, 32677), (267, 32713), (283, 32737), (306, 32782), (311, 32788), (350, 32839), (390, 32878), (391, 32881), (399, 32893), (409, 32908), (424, 32932), (437, 32965), (467, 33046), (480, 33091), (497, 33139), (510, 33175), (514, 33184), (517, 33190), (609, 33415),

Gene: Aelin_32 Start: 31928, Stop: 33088, Start Num: 83
Candidate Starts for Aelin_32:
(Start: 83 @31928 has 436 MA's), (Start: 135 @32039 has 1 MA's), (161, 32084), (218, 32183), (247, 32243), (267, 32279), (283, 32303), (306, 32348), (311, 32354), (350, 32405), (390, 32444), (391,

32447), (399, 32459), (424, 32498), (437, 32531), (467, 32612), (480, 32657), (497, 32705), (510, 32741), (514, 32750), (517, 32756), (609, 32981),

Gene: Agent47_27 Start: 24079, Stop: 25143, Start Num: 146
Candidate Starts for Agent47_27:
(Start: 146 @24079 has 97 MA's), (197, 24169), (210, 24196), (238, 24259), (264, 24307), (289, 24346), (302, 24364), (323, 24409), (366, 24448), (392, 24496), (404, 24514), (441, 24589), (468, 24655), (494, 24745), (495, 24748), (497, 24751), (508, 24784), (542, 24883), (544, 24886), (581, 24970), (587, 24982), (624, 25099),

Gene: Aggie_22 Start: 20221, Stop: 21438, Start Num: 130
Candidate Starts for Aggie_22:
(38, 19894), (75, 20092), (Start: 130 @20221 has 6 MA's), (Start: 131 @20224 has 18 MA's), (268, 20485), (358, 20656), (439, 20806), (453, 20845), (488, 20947), (497, 20989), (619, 21361),

Gene: Ahwei_29 Start: 31578, Stop: 32735, Start Num: 83
Candidate Starts for Ahwei_29:
(Start: 83 @31578 has 436 MA's), (Start: 128 @31671 has 1 MA's), (Start: 135 @31686 has 1 MA's), (Start: 143 @31701 has 31 MA's), (Start: 152 @31713 has 1 MA's), (161, 31731), (214, 31821), (236, 31872), (240, 31881), (245, 31887), (253, 31899), (267, 31926), (275, 31941), (280, 31947), (283, 31953), (303, 31986), (306, 31995), (324, 32028), (350, 32061), (429, 32151), (432, 32157), (468, 32256), (469, 32259), (517, 32403), (578, 32556),

Gene: Aikoy_42 Start: 32875, Stop: 34014, Start Num: 110
Candidate Starts for Aikoy_42:
(Start: 108 @32872 has 1 MA's), (Start: 110 @32875 has 3 MA's), (121, 32896), (Start: 135 @32932 has 1 MA's), (195, 33046), (197, 33049), (227, 33103), (242, 33130), (302, 33235), (307, 33244), (352, 33316), (387, 33367), (393, 33376), (408, 33397), (429, 33433), (495, 33619), (511, 33661), (512, 33664), (521, 33688), (546, 33754),

Gene: Akhila_20 Start: 20281, Stop: 21492, Start Num: 86
Candidate Starts for Akhila_20:
(Start: 86 @20281 has 22 MA's), (96, 20305), (124, 20362), (Start: 149 @20410 has 1 MA's), (181, 20470), (189, 20479), (199, 20494), (210, 20518), (222, 20542), (227, 20554), (245, 20590), (267, 20629), (272, 20638), (285, 20662), (303, 20692), (354, 20776), (356, 20779), (361, 20800), (379, 20836), (381, 20839), (393, 20860), (421, 20902), (467, 21019), (474, 21055), (477, 21061), (517, 21166), (545, 21247),

Gene: Akoma_33 Start: 32223, Stop: 33425, Start Num: 83
Candidate Starts for Akoma_33:
(Start: 83 @32223 has 436 MA's), (99, 32256), (177, 32400), (183, 32409), (188, 32418), (209, 32457), (214, 32466), (222, 32484), (230, 32502), (237, 32520), (240, 32526), (249, 32538), (259, 32556), (267, 32571), (287, 32604), (303, 32631), (332, 32676), (371, 32757), (386, 32784), (397, 32802), (409, 32820), (432, 32862), (441, 32886), (469, 32961), (473, 32991), (497, 33051), (500, 33063), (506, 33081), (545, 33183), (594, 33288), (596, 33294), (600, 33312), (626, 33399),

Gene: AlanGrant_31 Start: 33326, Stop: 34483, Start Num: 85
Candidate Starts for AlanGrant_31:
(Start: 85 @33326 has 4 MA's), (Start: 128 @33419 has 1 MA's), (Start: 135 @33434 has 1 MA's), (Start: 143 @33449 has 31 MA's), (Start: 152 @33461 has 1 MA's), (161, 33479), (214, 33569), (236, 33620), (240, 33629), (253, 33647), (267, 33674), (275, 33689), (280, 33695), (283, 33701), (303, 33734), (306, 33743), (324, 33776), (350, 33809), (379, 33821), (403, 33854), (414, 33869), (429, 33899), (432, 33905), (458, 33971), (465, 33995), (468, 34004), (517, 34151), (578, 34304),

Gene: Aleia_33 Start: 31945, Stop: 33105, Start Num: 83
Candidate Starts for Aleia_33:
(Start: 83 @31945 has 436 MA's), (Start: 135 @32056 has 1 MA's), (161, 32101), (218, 32200), (247, 32260), (267, 32296), (283, 32320), (306, 32365), (311, 32371), (350, 32422), (390, 32461), (391, 32464), (399, 32476), (424, 32515), (437, 32548), (467, 32629), (480, 32674), (497, 32722), (510, 32758), (514, 32767), (517, 32773), (609, 32998),

Gene: Alephilan_30 Start: 28717, Stop: 29766, Start Num: 143
Candidate Starts for Alephilan_30:
(Start: 143 @28717 has 31 MA's), (210, 28831), (231, 28873), (240, 28894), (258, 28927), (266, 28942), (303, 29005), (313, 29023), (411, 29176), (430, 29206), (438, 29233), (502, 29416), (516, 29446), (583, 29620), (609, 29674),

Gene: Allegro_33 Start: 32683, Stop: 33846, Start Num: 83
Candidate Starts for Allegro_33:
(46, 32536), (Start: 79 @32677 has 10 MA's), (Start: 83 @32683 has 436 MA's), (102, 32722), (114, 32752), (Start: 135 @32797 has 1 MA's), (161, 32842), (218, 32941), (247, 33001), (267, 33037), (283, 33061), (306, 33106), (311, 33112), (350, 33163), (390, 33202), (391, 33205), (399, 33217), (409, 33232), (424, 33256), (437, 33289), (467, 33370), (497, 33463), (510, 33499), (514, 33508), (517, 33514), (537, 33574), (609, 33739),

Gene: AltPhacts_33 Start: 32351, Stop: 33511, Start Num: 83
Candidate Starts for AltPhacts_33:
(Start: 83 @32351 has 436 MA's), (Start: 135 @32462 has 1 MA's), (161, 32507), (218, 32606), (247, 32666), (267, 32702), (283, 32726), (306, 32771), (311, 32777), (350, 32828), (390, 32867), (391, 32870), (399, 32882), (409, 32897), (424, 32921), (437, 32954), (467, 33035), (480, 33080), (497, 33128), (510, 33164), (514, 33173), (517, 33179), (609, 33404),

Gene: Altwerkus_32 Start: 32052, Stop: 33212, Start Num: 83
Candidate Starts for Altwerkus_32:
(Start: 83 @32052 has 436 MA's), (Start: 135 @32163 has 1 MA's), (161, 32208), (218, 32307), (247, 32367), (267, 32403), (283, 32427), (306, 32472), (311, 32478), (350, 32529), (390, 32568), (391, 32571), (399, 32583), (424, 32622), (437, 32655), (467, 32736), (480, 32781), (497, 32829), (510, 32865), (514, 32874), (517, 32880), (609, 33105),

Gene: Alyssamiracle_33 Start: 27521, Stop: 28618, Start Num: 148
Candidate Starts for Alyssamiracle_33:
(Start: 148 @27521 has 14 MA's), (210, 27635), (257, 27728), (277, 27761), (280, 27764), (281, 27767), (293, 27788), (302, 27800), (333, 27848), (377, 27911), (411, 27965), (454, 28061), (465, 28103), (538, 28337), (559, 28376), (595, 28463), (633, 28610),

Gene: AmandaPanda_38 Start: 30258, Stop: 31286, Start Num: 153
Candidate Starts for AmandaPanda_38:
(Start: 153 @30258 has 2 MA's), (225, 30393), (284, 30486), (369, 30609), (455, 30771), (460, 30786), (463, 30798), (497, 30900), (511, 30939), (546, 31032), (580, 31113), (587, 31128), (629, 31266),

Gene: Aminay_26 Start: 23478, Stop: 24887, Start Num: 33
Candidate Starts for Aminay_26:
(Start: 33 @23478 has 1 MA's), (40, 23517), (47, 23553), (49, 23565), (53, 23586), (64, 23652), (73, 23694), (94, 23730), (117, 23790), (147, 23850), (159, 23874), (Start: 178 @23910 has 14 MA's), (196, 23934), (207, 23955), (213, 23964), (226, 23988), (229, 23994), (250, 24036), (273, 24075), (284, 24090), (299, 24114), (315, 24144), (327, 24174), (393, 24234), (415, 24267), (421, 24276), (427,

24288), (441, 24324), (517, 24540), (602, 24747), (627, 24861),

Gene: Amochick_27 Start: 23377, Stop: 24615, Start Num: 83
Candidate Starts for Amochick_27:
(13, 22765), (14, 22831), (20, 22921), (21, 22924), (28, 23074), (36, 23161), (37, 23164), (59, 23302), (Start: 83 @23377 has 436 MA's), (126, 23473), (138, 23500), (Start: 141 @23506 has 12 MA's), (163, 23545), (167, 23554), (195, 23599), (201, 23611), (220, 23650), (249, 23707), (286, 23773), (306, 23812), (325, 23845), (341, 23866), (345, 23872), (360, 23908), (365, 23920), (367, 23923), (393, 23971), (397, 23977), (399, 23980), (405, 23989), (467, 24127), (497, 24220), (519, 24277), (520, 24283), (553, 24367), (558, 24382), (560, 24385), (591, 24451), (598, 24484),

Gene: Amore2_33 Start: 36453, Stop: 37457, Start Num: 180
Candidate Starts for Amore2_33:
(Start: 180 @36453 has 3 MA's), (203, 36501), (214, 36519), (255, 36597), (264, 36615), (269, 36624), (305, 36690), (357, 36771), (449, 36924), (459, 36951), (465, 36972), (495, 37074), (536, 37200), (587, 37302), (627, 37434),

Gene: Amymech_27 Start: 23371, Stop: 24609, Start Num: 83
Candidate Starts for Amymech_27:
(13, 22759), (14, 22825), (20, 22915), (21, 22918), (28, 23068), (36, 23155), (37, 23158), (59, 23296), (Start: 83 @23371 has 436 MA's), (126, 23467), (138, 23494), (Start: 141 @23500 has 12 MA's), (163, 23539), (167, 23548), (195, 23593), (201, 23605), (220, 23644), (249, 23701), (278, 23752), (286, 23767), (306, 23806), (325, 23839), (341, 23860), (345, 23866), (360, 23902), (365, 23914), (367, 23917), (393, 23965), (397, 23971), (399, 23974), (405, 23983), (467, 24121), (497, 24214), (519, 24271), (520, 24277), (553, 24361), (558, 24376), (560, 24379), (591, 24445), (598, 24478),

Gene: Anamika_30 Start: 38386, Stop: 39288, Start Num: 217
Candidate Starts for Anamika_30:
(Start: 217 @38386 has 25 MA's), (293, 38524), (337, 38593), (375, 38641), (422, 38704), (437, 38740), (441, 38749), (493, 38908), (597, 39142), (600, 39160), (627, 39265),

Gene: Anderson_33 Start: 32357, Stop: 33517, Start Num: 83
Candidate Starts for Anderson_33:
(Start: 83 @32357 has 436 MA's), (Start: 135 @32468 has 1 MA's), (161, 32513), (218, 32612), (247, 32672), (267, 32708), (283, 32732), (306, 32777), (311, 32783), (350, 32834), (390, 32873), (391, 32876), (399, 32888), (424, 32927), (437, 32960), (467, 33041), (480, 33086), (497, 33134), (510, 33170), (514, 33179), (517, 33185), (609, 33410),

Gene: Andies_21 Start: 20194, Stop: 21228, Start Num: 141
Candidate Starts for Andies_21:
(Start: 141 @20194 has 12 MA's), (230, 20350), (232, 20356), (291, 20464), (293, 20467), (303, 20482), (369, 20569), (392, 20614), (437, 20695), (461, 20752), (468, 20776), (500, 20881), (525, 20953), (540, 20998),

Gene: Andre_33 Start: 32356, Stop: 33516, Start Num: 83
Candidate Starts for Andre_33:
(Start: 83 @32356 has 436 MA's), (Start: 135 @32467 has 1 MA's), (161, 32512), (218, 32611), (247, 32671), (267, 32707), (283, 32731), (306, 32776), (311, 32782), (350, 32833), (390, 32872), (391, 32875), (399, 32887), (424, 32926), (437, 32959), (467, 33040), (480, 33085), (497, 33133), (510, 33169), (514, 33178), (517, 33184), (609, 33409),

Gene: AngelCake_33 Start: 32376, Stop: 33536, Start Num: 83
Candidate Starts for AngelCake_33:

(Start: 83 @32376 has 436 MA's), (Start: 135 @32487 has 1 MA's), (161, 32532), (218, 32631), (247, 32691), (267, 32727), (283, 32751), (306, 32796), (311, 32802), (350, 32853), (390, 32892), (391, 32895), (399, 32907), (409, 32922), (424, 32946), (437, 32979), (467, 33060), (480, 33105), (497, 33153), (510, 33189), (514, 33198), (517, 33204), (609, 33429),

Gene: Antihero_29 Start: 31578, Stop: 32735, Start Num: 83
Candidate Starts for Antihero_29:
(Start: 83 @31578 has 436 MA's), (Start: 128 @31671 has 1 MA's), (Start: 135 @31686 has 1 MA's), (Start: 143 @31701 has 31 MA's), (Start: 152 @31713 has 1 MA's), (161, 31731), (214, 31821), (236, 31872), (240, 31881), (245, 31887), (253, 31899), (267, 31926), (275, 31941), (280, 31947), (283, 31953), (303, 31986), (306, 31995), (324, 32028), (350, 32061), (429, 32151), (432, 32157), (468, 32256), (469, 32259), (517, 32403), (578, 32556),

Gene: Antonia_32 Start: 31928, Stop: 33088, Start Num: 83
Candidate Starts for Antonia_32:
(Start: 83 @31928 has 436 MA's), (Start: 135 @32039 has 1 MA's), (161, 32084), (218, 32183), (247, 32243), (267, 32279), (283, 32303), (306, 32348), (311, 32354), (350, 32405), (390, 32444), (391, 32447), (399, 32459), (424, 32498), (437, 32531), (467, 32612), (480, 32657), (497, 32705), (510, 32741), (514, 32750), (517, 32756), (609, 32981),

Gene: Antsirabe_23 Start: 23216, Stop: 24619, Start Num: 83
Candidate Starts for Antsirabe_23:
(5, 22226), (8, 22427), (12, 22586), (67, 23192), (Start: 83 @23216 has 436 MA's), (Start: 143 @23342 has 31 MA's), (165, 23378), (171, 23387), (209, 23453), (211, 23459), (264, 23561), (303, 23630), (313, 23648), (343, 23690), (379, 23720), (403, 23756), (415, 23774), (436, 23813), (438, 23825), (463, 23894), (531, 24104), (582, 24191), (607, 24260),

Gene: Aonishiki_33 Start: 32400, Stop: 33560, Start Num: 83
Candidate Starts for Aonishiki_33:
(Start: 83 @32400 has 436 MA's), (Start: 135 @32511 has 1 MA's), (161, 32556), (218, 32655), (247, 32715), (267, 32751), (283, 32775), (306, 32820), (311, 32826), (350, 32877), (390, 32916), (391, 32919), (399, 32931), (424, 32970), (437, 33003), (467, 33084), (480, 33129), (497, 33177), (510, 33213), (514, 33222), (517, 33228), (609, 33453),

Gene: Apeppi_30 Start: 28862, Stop: 29908, Start Num: 143
Candidate Starts for Apeppi_30:
(Start: 143 @28862 has 31 MA's), (Start: 179 @28919 has 1 MA's), (225, 29009), (231, 29018), (233, 29024), (237, 29033), (266, 29087), (385, 29285), (430, 29351), (435, 29363), (461, 29432), (506, 29573), (550, 29681),

Gene: Apex_30 Start: 32785, Stop: 33942, Start Num: 83
Candidate Starts for Apex_30:
(Start: 83 @32785 has 436 MA's), (Start: 128 @32878 has 1 MA's), (Start: 135 @32893 has 1 MA's), (Start: 143 @32908 has 31 MA's), (Start: 152 @32920 has 1 MA's), (161, 32938), (188, 32980), (214, 33028), (236, 33079), (240, 33088), (253, 33106), (267, 33133), (275, 33148), (280, 33154), (283, 33160), (285, 33166), (303, 33193), (306, 33202), (324, 33235), (350, 33268), (414, 33328), (429, 33358), (432, 33364), (449, 33409), (468, 33463), (469, 33466), (517, 33610), (578, 33763),

Gene: Apizium_32 Start: 32120, Stop: 33280, Start Num: 83
Candidate Starts for Apizium_32:
(Start: 83 @32120 has 436 MA's), (Start: 135 @32231 has 1 MA's), (161, 32276), (218, 32375), (247, 32435), (267, 32471), (283, 32495), (306, 32540), (311, 32546), (350, 32597), (390, 32636), (391, 32639), (399, 32651), (424, 32690), (437, 32723), (467, 32804), (480, 32849), (497, 32897), (510,

32933), (514, 32942), (517, 32948), (609, 33173),

Gene: Appletree2_21 Start: 21628, Stop: 22803, Start Num: 89
Candidate Starts for Appletree2_21:
(Start: 89 @21628 has 7 MA's), (Start: 91 @21631 has 34 MA's), (Start: 149 @21757 has 1 MA's), (173, 21799), (177, 21811), (Start: 180 @21814 has 3 MA's), (201, 21847), (206, 21859), (230, 21907), (237, 21925), (259, 21961), (267, 21976), (298, 22027), (315, 22057), (334, 22099), (352, 22123), (401, 22159), (405, 22165), (423, 22192), (432, 22210), (469, 22303), (470, 22306), (494, 22390), (547, 22528), (557, 22546), (593, 22630),

Gene: Arbiter_33 Start: 32772, Stop: 33935, Start Num: 83
Candidate Starts for Arbiter_33:
(46, 32625), (Start: 79 @32766 has 10 MA's), (Start: 83 @32772 has 436 MA's), (102, 32811), (114, 32841), (Start: 135 @32886 has 1 MA's), (161, 32931), (218, 33030), (247, 33090), (267, 33126), (283, 33150), (306, 33195), (311, 33201), (350, 33252), (390, 33291), (391, 33294), (399, 33306), (409, 33321), (424, 33345), (437, 33378), (467, 33459), (497, 33552), (510, 33588), (514, 33597), (517, 33603), (537, 33663), (609, 33828),

Gene: Archimedes_26 Start: 23367, Stop: 24368, Start Num: 172
Candidate Starts for Archimedes_26:
(155, 23343), (Start: 172 @23367 has 1 MA's), (212, 23445), (292, 23595), (415, 23766), (468, 23898), (492, 23982), (504, 24018), (536, 24114), (586, 24213), (628, 24348),

Gene: Ares_33 Start: 32688, Stop: 33896, Start Num: 74
Candidate Starts for Ares_33:
(45, 32547), (Start: 74 @32688 has 2 MA's), (Start: 76 @32691 has 7 MA's), (109, 32760), (Start: 152 @32829 has 1 MA's), (170, 32859), (177, 32871), (181, 32877), (183, 32880), (188, 32889), (209, 32928), (214, 32937), (219, 32949), (247, 33006), (259, 33027), (267, 33042), (293, 33087), (303, 33102), (332, 33147), (365, 33216), (379, 33243), (393, 33267), (423, 33312), (432, 33333), (441, 33357), (469, 33432), (473, 33462), (497, 33522), (500, 33534), (506, 33552), (545, 33654), (594, 33759), (596, 33765), (600, 33783), (614, 33834), (626, 33870),

Gene: Argie_26 Start: 29663, Stop: 30871, Start Num: 77
Candidate Starts for Argie_26:
(Start: 74 @29657 has 2 MA's), (Start: 77 @29663 has 2 MA's), (97, 29702), (Start: 135 @29777 has 1 MA's), (137, 29780), (157, 29813), (170, 29834), (181, 29852), (184, 29858), (188, 29864), (209, 29903), (210, 29906), (214, 29912), (247, 29981), (259, 30002), (303, 30077), (332, 30122), (350, 30152), (369, 30197), (372, 30206), (376, 30212), (379, 30218), (393, 30242), (423, 30287), (432, 30308), (441, 30332), (469, 30407), (473, 30437), (497, 30497), (500, 30509), (506, 30527), (545, 30629), (596, 30740), (600, 30758), (614, 30809), (626, 30845),

Gene: Arib1_22 Start: 21305, Stop: 22342, Start Num: 146
Candidate Starts for Arib1_22:
(Start: 131 @21281 has 18 MA's), (Start: 143 @21302 has 31 MA's), (Start: 146 @21305 has 97 MA's), (162, 21329), (232, 21467), (254, 21509), (293, 21578), (333, 21638), (369, 21683), (392, 21728), (437, 21809), (461, 21866), (468, 21890), (500, 21995), (525, 22067), (540, 22112), (616, 22277),

Gene: Arissanae_32 Start: 24817, Stop: 26022, Start Num: 89
Candidate Starts for Arissanae_32:
(Start: 89 @24817 has 7 MA's), (175, 24994), (177, 25000), (Start: 180 @25003 has 3 MA's), (210, 25054), (293, 25210), (320, 25258), (468, 25552), (473, 25585), (517, 25696), (578, 25852),

Gene: Arti_44 Start: 34961, Stop: 36019, Start Num: 150
Candidate Starts for Arti_44:
(3, 33521), (6, 33818), (11, 34049), (25, 34418), (72, 34796), (81, 34811), (Start: 91 @34829 has 34 MA's), (Start: 150 @34961 has 30 MA's), (341, 35306), (378, 35357), (412, 35405),

Gene: Ashraf_32 Start: 31924, Stop: 33084, Start Num: 83
Candidate Starts for Ashraf_32:
(Start: 83 @31924 has 436 MA's), (Start: 135 @32035 has 1 MA's), (161, 32080), (218, 32179), (247, 32239), (267, 32275), (283, 32299), (306, 32344), (311, 32350), (350, 32401), (390, 32440), (391, 32443), (399, 32455), (409, 32470), (424, 32494), (437, 32527), (467, 32608), (480, 32653), (497, 32701), (510, 32737), (514, 32746), (517, 32752), (609, 32977),

Gene: Astralis_30 Start: 27111, Stop: 28208, Start Num: 148
Candidate Starts for Astralis_30:
(Start: 148 @27111 has 14 MA's), (210, 27225), (257, 27318), (277, 27351), (280, 27354), (281, 27357), (291, 27375), (293, 27378), (333, 27438), (371, 27489), (377, 27501), (454, 27651), (465, 27693), (538, 27927), (559, 27966), (595, 28053), (633, 28200),

Gene: Atcoo_22 Start: 21759, Stop: 22826, Start Num: 146
Candidate Starts for Atcoo_22:
(Start: 146 @21759 has 97 MA's), (232, 21921), (254, 21963), (293, 22032), (333, 22092), (369, 22137), (392, 22182), (461, 22320), (468, 22344),

Gene: Athena_34 Start: 32970, Stop: 34172, Start Num: 83
Candidate Starts for Athena_34:
(Start: 83 @32970 has 436 MA's), (99, 33003), (177, 33147), (183, 33156), (188, 33165), (209, 33204), (214, 33213), (222, 33231), (247, 33282), (253, 33291), (259, 33303), (262, 33309), (267, 33318), (293, 33363), (303, 33378), (332, 33423), (356, 33462), (365, 33492), (372, 33507), (379, 33519), (393, 33543), (423, 33588), (432, 33609), (441, 33633), (469, 33708), (473, 33738), (497, 33798), (500, 33810), (506, 33828), (545, 33930), (594, 34035), (596, 34041), (600, 34059), (626, 34146),

Gene: Audrey_33 Start: 32219, Stop: 33421, Start Num: 83
Candidate Starts for Audrey_33:
(Start: 83 @32219 has 436 MA's), (99, 32252), (177, 32396), (183, 32405), (188, 32414), (209, 32453), (214, 32462), (222, 32480), (230, 32498), (237, 32516), (240, 32522), (249, 32534), (259, 32552), (267, 32567), (287, 32600), (303, 32627), (332, 32672), (371, 32753), (386, 32780), (397, 32798), (409, 32816), (432, 32858), (441, 32882), (469, 32957), (473, 32987), (497, 33047), (500, 33059), (506, 33077), (545, 33179), (594, 33284), (596, 33290), (600, 33308), (626, 33395),

Gene: AuntGwenStacy_28 Start: 26025, Stop: 27062, Start Num: 146
Candidate Starts for AuntGwenStacy_28:
(Start: 146 @26025 has 97 MA's), (214, 26148), (238, 26202), (258, 26238), (300, 26301), (333, 26349), (374, 26403), (376, 26406), (467, 26592), (473, 26628), (490, 26670), (497, 26688), (517, 26739),

Gene: Auspice_31 Start: 26992, Stop: 28047, Start Num: 146
Candidate Starts for Auspice_31:
(Start: 146 @26992 has 97 MA's), (258, 27205), (280, 27241), (317, 27304), (376, 27376), (392, 27406), (406, 27427), (430, 27463), (441, 27499), (461, 27547), (467, 27568), (469, 27574), (473, 27604), (475, 27607), (493, 27655), (576, 27865), (599, 27919),

Gene: Austelle_31 Start: 33241, Stop: 34398, Start Num: 83
Candidate Starts for Austelle_31:

(Start: 83 @33241 has 436 MA's), (Start: 128 @33334 has 1 MA's), (Start: 135 @33349 has 1 MA's), (Start: 143 @33364 has 31 MA's), (Start: 152 @33376 has 1 MA's), (161, 33394), (188, 33436), (214, 33484), (236, 33535), (240, 33544), (253, 33562), (267, 33589), (275, 33604), (280, 33610), (283, 33616), (285, 33622), (303, 33649), (306, 33658), (324, 33691), (350, 33724), (414, 33784), (429, 33814), (432, 33820), (449, 33865), (468, 33919), (469, 33922), (517, 34066), (578, 34219),

Gene: Austin_33 Start: 36453, Stop: 37457, Start Num: 180
Candidate Starts for Austin_33:
(Start: 180 @36453 has 3 MA's), (203, 36501), (214, 36519), (264, 36615), (269, 36624), (305, 36690), (357, 36771), (449, 36924), (459, 36951), (465, 36972), (495, 37074), (536, 37200), (587, 37302), (627, 37434),

Gene: AvadaKedavra_21 Start: 21698, Stop: 22870, Start Num: 91
Candidate Starts for AvadaKedavra_21:
(Start: 89 @21695 has 7 MA's), (Start: 91 @21698 has 34 MA's), (Start: 149 @21824 has 1 MA's), (173, 21866), (177, 21878), (Start: 180 @21881 has 3 MA's), (201, 21914), (206, 21926), (230, 21974), (237, 21992), (259, 22028), (267, 22043), (298, 22094), (315, 22124), (334, 22166), (352, 22190), (401, 22226), (405, 22232), (423, 22259), (432, 22277), (469, 22370), (470, 22373), (494, 22457), (547, 22595), (557, 22613), (593, 22697),

Gene: Avian_30 Start: 27503, Stop: 28600, Start Num: 148
Candidate Starts for Avian_30:
(Start: 148 @27503 has 14 MA's), (210, 27617), (257, 27710), (277, 27743), (280, 27746), (281, 27749), (291, 27767), (293, 27770), (333, 27830), (371, 27881), (377, 27893), (384, 27905), (411, 27947), (454, 28043), (465, 28085), (538, 28319), (559, 28358), (595, 28445), (633, 28592),

Gene: Avocado_23 Start: 23240, Stop: 24646, Start Num: 83
Candidate Starts for Avocado_23:
(16, 22718), (Start: 83 @23240 has 436 MA's), (124, 23330), (Start: 135 @23351 has 1 MA's), (Start: 143 @23366 has 31 MA's), (157, 23387), (211, 23483), (243, 23549), (247, 23555), (264, 23585), (267, 23591), (287, 23624), (322, 23687), (332, 23693), (340, 23705), (403, 23777), (436, 23831), (463, 23909), (496, 24020), (499, 24026), (500, 24032), (531, 24122), (543, 24140), (548, 24149), (584, 24215), (642, 24629),

Gene: Ayotoya_27 Start: 24101, Stop: 25168, Start Num: 150
Candidate Starts for Ayotoya_27:
(Start: 150 @24101 has 30 MA's), (374, 24479), (450, 24620), (457, 24635), (461, 24647), (468, 24671), (492, 24755), (494, 24761), (505, 24794), (511, 24806), (548, 24902), (550, 24905), (559, 24926),

Gene: Aziz_35 Start: 27886, Stop: 28968, Start Num: 106
Candidate Starts for Aziz_35:
(98, 27865), (104, 27880), (Start: 106 @27886 has 6 MA's), (145, 27961), (176, 28006), (Start: 178 @28012 has 14 MA's), (182, 28018), (196, 28036), (201, 28045), (229, 28096), (235, 28111), (249, 28135), (261, 28156), (293, 28210), (299, 28216), (326, 28270), (442, 28426), (604, 28837),

Gene: Azuria_32 Start: 32379, Stop: 33539, Start Num: 83
Candidate Starts for Azuria_32:
(Start: 83 @32379 has 436 MA's), (Start: 135 @32490 has 1 MA's), (161, 32535), (218, 32634), (247, 32694), (267, 32730), (283, 32754), (306, 32799), (311, 32805), (350, 32856), (390, 32895), (391, 32898), (399, 32910), (424, 32949), (437, 32982), (467, 33063), (480, 33108), (497, 33156), (510, 33192), (514, 33201), (517, 33207), (609, 33432),

Gene: BabeRuth_21 Start: 19877, Stop: 21031, Start Num: 86
Candidate Starts for BabeRuth_21:
(31, 19640), (39, 19682), (44, 19712), (50, 19742), (59, 19802), (69, 19856), (Start: 86 @19877 has 22 MA's), (112, 19940), (124, 19958), (Start: 149 @20006 has 1 MA's), (181, 20066), (189, 20075), (199, 20090), (210, 20114), (222, 20138), (227, 20150), (267, 20225), (272, 20234), (285, 20258), (303, 20288), (331, 20333), (332, 20336), (336, 20342), (379, 20372), (381, 20375), (393, 20396), (467, 20555), (493, 20645), (497, 20654), (506, 20684), (517, 20705), (627, 21008),

Gene: Babsiella_22 Start: 21313, Stop: 22350, Start Num: 146
Candidate Starts for Babsiella_22:
(Start: 131 @21289 has 18 MA's), (Start: 143 @21310 has 31 MA's), (Start: 146 @21313 has 97 MA's), (162, 21337), (232, 21475), (254, 21517), (293, 21586), (333, 21646), (369, 21691), (392, 21736), (437, 21817), (461, 21874), (468, 21898), (500, 22003), (525, 22075), (540, 22120), (616, 22285),

Gene: BabyMoney_29 Start: 25948, Stop: 27033, Start Num: 146
Candidate Starts for BabyMoney_29:
(22, 25351), (26, 25438), (43, 25636), (Start: 146 @25948 has 97 MA's), (205, 26053), (236, 26116), (258, 26158), (303, 26236), (348, 26320), (374, 26350), (416, 26413), (461, 26521), (500, 26653),

Gene: Badfish_33 Start: 32386, Stop: 33546, Start Num: 83
Candidate Starts for Badfish_33:
(Start: 83 @32386 has 436 MA's), (Start: 135 @32497 has 1 MA's), (161, 32542), (218, 32641), (247, 32701), (267, 32737), (283, 32761), (306, 32806), (311, 32812), (350, 32863), (390, 32902), (391, 32905), (399, 32917), (409, 32932), (424, 32956), (437, 32989), (467, 33070), (480, 33115), (497, 33163), (510, 33199), (514, 33208), (517, 33214), (609, 33439),

Gene: Baee_31 Start: 32397, Stop: 33902, Start Num: 29
Candidate Starts for Baee_31:
(Start: 29 @32397 has 11 MA's), (30, 32415), (34, 32436), (42, 32490), (48, 32508), (60, 32586), (63, 32601), (201, 32901), (215, 32928), (227, 32955), (262, 33021), (273, 33042), (283, 33057), (304, 33096), (350, 33186), (360, 33213), (376, 33246), (432, 33342), (442, 33369), (458, 33408), (469, 33444), (506, 33567), (552, 33672), (596, 33768), (600, 33786), (631, 33888),

Gene: Baloo_33 Start: 32222, Stop: 33424, Start Num: 83
Candidate Starts for Baloo_33:
(Start: 83 @32222 has 436 MA's), (99, 32255), (177, 32399), (183, 32408), (188, 32417), (209, 32456), (214, 32465), (222, 32483), (247, 32534), (253, 32543), (259, 32555), (262, 32561), (267, 32570), (293, 32615), (303, 32630), (332, 32675), (356, 32714), (365, 32744), (372, 32759), (379, 32771), (393, 32795), (423, 32840), (432, 32861), (441, 32885), (469, 32960), (473, 32990), (497, 33050), (500, 33062), (506, 33080), (545, 33182), (594, 33287), (596, 33293), (600, 33311), (626, 33398),

Gene: Bananafish_33 Start: 32686, Stop: 33855, Start Num: 79
Candidate Starts for Bananafish_33:
(46, 32545), (Start: 79 @32686 has 10 MA's), (Start: 83 @32692 has 436 MA's), (102, 32731), (114, 32761), (Start: 135 @32806 has 1 MA's), (161, 32851), (218, 32950), (247, 33010), (267, 33046), (283, 33070), (306, 33115), (311, 33121), (350, 33172), (390, 33211), (391, 33214), (399, 33226), (409, 33241), (424, 33265), (437, 33298), (467, 33379), (497, 33472), (510, 33508), (514, 33517), (517, 33523), (609, 33748),

Gene: BananenDer11_27 Start: 24040, Stop: 25104, Start Num: 146
Candidate Starts for BananenDer11_27:

(Start: 146 @24040 has 97 MA's), (197, 24130), (210, 24157), (238, 24220), (264, 24268), (289, 24307), (302, 24325), (323, 24370), (366, 24409), (392, 24457), (404, 24475), (441, 24550), (468, 24616), (494, 24706), (495, 24709), (497, 24712), (508, 24745), (542, 24844), (544, 24847), (581, 24931), (587, 24943), (624, 25060),

Gene: Banjo_32 Start: 32062, Stop: 33222, Start Num: 83
Candidate Starts for Banjo_32:
(Start: 83 @32062 has 436 MA's), (Start: 135 @32173 has 1 MA's), (161, 32218), (218, 32317), (247, 32377), (267, 32413), (283, 32437), (306, 32482), (311, 32488), (350, 32539), (390, 32578), (391, 32581), (399, 32593), (409, 32608), (424, 32632), (437, 32665), (467, 32746), (480, 32791), (497, 32839), (510, 32875), (514, 32884), (517, 32890), (609, 33115),

Gene: Barnyard_37 Start: 29858, Stop: 30898, Start Num: 153
Candidate Starts for Barnyard_37:
(72, 29684), (139, 29834), (Start: 153 @29858 has 2 MA's), (247, 30035), (284, 30089), (348, 30188), (404, 30254), (406, 30257), (413, 30266), (434, 30308), (460, 30389), (463, 30401), (497, 30506), (511, 30545), (542, 30635), (556, 30656), (580, 30725), (587, 30740), (629, 30878), (631, 30881), (632, 30884),

Gene: Bartholomew_22 Start: 21299, Stop: 22336, Start Num: 146
Candidate Starts for Bartholomew_22:
(Start: 131 @21275 has 18 MA's), (Start: 143 @21296 has 31 MA's), (Start: 146 @21299 has 97 MA's), (162, 21323), (232, 21461), (254, 21503), (293, 21572), (333, 21632), (369, 21677), (392, 21722), (437, 21803), (461, 21860), (468, 21884), (500, 21989), (525, 22061), (540, 22106), (616, 22271),

Gene: Basato_34 Start: 32641, Stop: 33801, Start Num: 83
Candidate Starts for Basato_34:
(Start: 83 @32641 has 436 MA's), (Start: 135 @32752 has 1 MA's), (161, 32797), (218, 32896), (247, 32956), (267, 32992), (283, 33016), (306, 33061), (311, 33067), (350, 33118), (390, 33157), (391, 33160), (399, 33172), (409, 33187), (424, 33211), (437, 33244), (467, 33325), (480, 33370), (497, 33418), (510, 33454), (514, 33463), (517, 33469), (609, 33694),

Gene: BatteryCK_32 Start: 31981, Stop: 33141, Start Num: 83
Candidate Starts for BatteryCK_32:
(Start: 83 @31981 has 436 MA's), (Start: 135 @32092 has 1 MA's), (161, 32137), (218, 32236), (247, 32296), (267, 32332), (283, 32356), (306, 32401), (311, 32407), (350, 32458), (390, 32497), (391, 32500), (399, 32512), (424, 32551), (437, 32584), (467, 32665), (497, 32758), (510, 32794), (514, 32803), (517, 32809), (609, 33034),

Gene: Beaglebox_32 Start: 32083, Stop: 33243, Start Num: 83
Candidate Starts for Beaglebox_32:
(Start: 83 @32083 has 436 MA's), (Start: 135 @32194 has 1 MA's), (161, 32239), (218, 32338), (247, 32398), (267, 32434), (283, 32458), (306, 32503), (311, 32509), (350, 32560), (390, 32599), (391, 32602), (399, 32614), (424, 32653), (437, 32686), (467, 32767), (480, 32812), (497, 32860), (510, 32896), (514, 32905), (517, 32911), (609, 33136),

Gene: Bellis_22 Start: 22249, Stop: 23466, Start Num: 91
Candidate Starts for Bellis_22:
(Start: 91 @22249 has 34 MA's), (133, 22351), (140, 22363), (Start: 152 @22381 has 1 MA's), (157, 22390), (177, 22429), (201, 22465), (209, 22480), (211, 22486), (225, 22516), (227, 22519), (244, 22555), (250, 22567), (283, 22618), (284, 22621), (318, 22681), (329, 22708), (337, 22723), (342, 22729), (350, 22741), (379, 22801), (393, 22825), (432, 22885), (468, 22981), (473, 23014), (500,

23086), (510, 23110), (517, 23125), (606, 23338), (609, 23350),

Gene: Ben11_32 Start: 32041, Stop: 33243, Start Num: 83
Candidate Starts for Ben11_32:
(Start: 83 @32041 has 436 MA's), (99, 32074), (177, 32218), (183, 32227), (188, 32236), (209, 32275), (214, 32284), (222, 32302), (230, 32320), (237, 32338), (240, 32344), (249, 32356), (259, 32374), (267, 32389), (287, 32422), (303, 32449), (332, 32494), (371, 32575), (386, 32602), (397, 32620), (409, 32638), (432, 32680), (441, 32704), (469, 32779), (473, 32809), (497, 32869), (500, 32881), (506, 32899), (543, 32998), (545, 33001), (594, 33106), (596, 33112), (600, 33130), (626, 33217),

Gene: Bernardo_33 Start: 32309, Stop: 33511, Start Num: 83
Candidate Starts for Bernardo_33:
(Start: 83 @32309 has 436 MA's), (99, 32342), (177, 32486), (183, 32495), (188, 32504), (209, 32543), (214, 32552), (222, 32570), (247, 32621), (253, 32630), (259, 32642), (267, 32657), (293, 32702), (303, 32717), (332, 32762), (365, 32831), (372, 32846), (379, 32858), (393, 32882), (424, 32930), (427, 32936), (429, 32942), (432, 32948), (441, 32972), (469, 33047), (473, 33077), (497, 33137), (500, 33149), (506, 33167), (545, 33269), (594, 33374), (596, 33380), (614, 33449),

Gene: Berries_30 Start: 38356, Stop: 39258, Start Num: 217
Candidate Starts for Berries_30:
(Start: 217 @38356 has 25 MA's), (293, 38494), (337, 38563), (375, 38611), (422, 38674), (437, 38710), (493, 38878), (600, 39130), (627, 39235),

Gene: BetterKatz_27 Start: 23574, Stop: 24641, Start Num: 150
Candidate Starts for BetterKatz_27:
(Start: 150 @23574 has 30 MA's), (374, 23952), (450, 24093), (457, 24108), (461, 24120), (468, 24144), (469, 24147), (492, 24228), (548, 24375),

Gene: Bhagsy_22 Start: 21306, Stop: 22343, Start Num: 146
Candidate Starts for Bhagsy_22:
(Start: 131 @21282 has 18 MA's), (Start: 143 @21303 has 31 MA's), (Start: 146 @21306 has 97 MA's), (162, 21330), (232, 21468), (254, 21510), (293, 21579), (333, 21639), (369, 21684), (392, 21729), (437, 21810), (461, 21867), (468, 21891), (500, 21996), (525, 22068), (540, 22113), (616, 22278),

Gene: BiPauneto_47 Start: 34721, Stop: 35812, Start Num: 129
Candidate Starts for BiPauneto_47:
(Start: 129 @34721 has 10 MA's), (147, 34754), (198, 34850), (291, 35033), (338, 35102), (437, 35240), (442, 35252), (443, 35255),

Gene: Bianmat_30 Start: 38396, Stop: 39298, Start Num: 217
Candidate Starts for Bianmat_30:
(Start: 217 @38396 has 25 MA's), (293, 38534), (337, 38603), (375, 38651), (422, 38714), (437, 38750), (493, 38918), (600, 39170), (627, 39275),

Gene: BigPhil_20 Start: 20087, Stop: 21244, Start Num: 80
Candidate Starts for BigPhil_20:
(Start: 80 @20087 has 12 MA's), (Start: 86 @20090 has 22 MA's), (Start: 149 @20219 has 1 MA's), (165, 20249), (181, 20279), (189, 20288), (199, 20303), (210, 20327), (222, 20351), (227, 20363), (267, 20438), (272, 20447), (285, 20471), (303, 20501), (379, 20585), (381, 20588), (393, 20609), (493, 20858), (497, 20867), (506, 20897), (517, 20918), (537, 20987), (627, 21221),

Gene: BirdsNest_34 Start: 30801, Stop: 32168, Start Num: 103

Candidate Starts for BirdsNest_34:
(Start: 103 @30801 has 6 MA's), (116, 30831), (123, 30843), (Start: 135 @30867 has 1 MA's), (157, 30903), (166, 30921), (209, 30993), (210, 30996), (223, 31023), (267, 31107), (269, 31110), (284, 31137), (377, 31254), (441, 31368), (446, 31386), (543, 31662), (634, 31929),

Gene: BirthdayBoy_34 Start: 29543, Stop: 30589, Start Num: 143
Candidate Starts for BirthdayBoy_34:
(Start: 143 @29543 has 31 MA's), (210, 29657), (220, 29678), (231, 29699), (258, 29753), (266, 29768), (385, 29966), (430, 30032), (435, 30044), (461, 30113), (506, 30254),

Gene: Bishoperium_32 Start: 32071, Stop: 33231, Start Num: 83
Candidate Starts for Bishoperium_32:
(Start: 83 @32071 has 436 MA's), (Start: 135 @32182 has 1 MA's), (161, 32227), (218, 32326), (247, 32386), (267, 32422), (283, 32446), (306, 32491), (311, 32497), (350, 32548), (390, 32587), (391, 32590), (399, 32602), (409, 32617), (424, 32641), (437, 32674), (467, 32755), (480, 32800), (497, 32848), (510, 32884), (514, 32893), (517, 32899), (609, 33124),

Gene: BlackStallion_33 Start: 32373, Stop: 33533, Start Num: 83
Candidate Starts for BlackStallion_33:
(Start: 83 @32373 has 436 MA's), (Start: 135 @32484 has 1 MA's), (161, 32529), (218, 32628), (247, 32688), (267, 32724), (283, 32748), (306, 32793), (311, 32799), (350, 32850), (390, 32889), (391, 32892), (399, 32904), (409, 32919), (424, 32943), (437, 32976), (467, 33057), (480, 33102), (497, 33150), (510, 33186), (514, 33195), (517, 33201), (609, 33426),

Gene: BlacksBerry_32 Start: 32089, Stop: 33249, Start Num: 83
Candidate Starts for BlacksBerry_32:
(Start: 83 @32089 has 436 MA's), (Start: 135 @32200 has 1 MA's), (161, 32245), (218, 32344), (247, 32404), (267, 32440), (283, 32464), (306, 32509), (311, 32515), (350, 32566), (390, 32605), (391, 32608), (399, 32620), (424, 32659), (437, 32692), (467, 32773), (480, 32818), (497, 32866), (510, 32902), (514, 32911), (517, 32917), (609, 33142),

Gene: Blocker23_33 Start: 32804, Stop: 33973, Start Num: 79
Candidate Starts for Blocker23_33:
(46, 32663), (Start: 79 @32804 has 10 MA's), (Start: 83 @32810 has 436 MA's), (102, 32849), (114, 32879), (Start: 135 @32924 has 1 MA's), (161, 32969), (218, 33068), (247, 33128), (267, 33164), (283, 33188), (306, 33233), (311, 33239), (350, 33290), (390, 33329), (391, 33332), (399, 33344), (409, 33359), (424, 33383), (437, 33416), (467, 33497), (497, 33590), (510, 33626), (514, 33635), (517, 33641), (609, 33866),

Gene: BloominB_27 Start: 23371, Stop: 24609, Start Num: 83
Candidate Starts for BloominB_27:
(13, 22759), (14, 22825), (20, 22915), (21, 22918), (28, 23068), (36, 23155), (37, 23158), (59, 23296), (Start: 83 @23371 has 436 MA's), (126, 23467), (138, 23494), (Start: 141 @23500 has 12 MA's), (163, 23539), (167, 23548), (195, 23593), (201, 23605), (220, 23644), (249, 23701), (278, 23752), (286, 23767), (306, 23806), (325, 23839), (341, 23860), (345, 23866), (360, 23902), (365, 23914), (367, 23917), (393, 23965), (397, 23971), (399, 23974), (405, 23983), (467, 24121), (497, 24214), (519, 24271), (520, 24277), (553, 24361), (558, 24376), (560, 24379), (591, 24445), (598, 24478),

Gene: BlueHusk_33 Start: 31870, Stop: 33030, Start Num: 83
Candidate Starts for BlueHusk_33:
(Start: 83 @31870 has 436 MA's), (Start: 135 @31981 has 1 MA's), (161, 32026), (218, 32125), (247, 32185), (267, 32221), (283, 32245), (306, 32290), (311, 32296), (350, 32347), (390, 32386), (391, 32389), (399, 32401), (409, 32416), (424, 32440), (437, 32473), (467, 32554), (480, 32599), (497,

32647), (510, 32683), (514, 32692), (517, 32698), (609, 32923),

Gene: Bluephacebaby_32 Start: 32068, Stop: 33228, Start Num: 83
Candidate Starts for Bluephacebaby_32:
(Start: 83 @32068 has 436 MA's), (Start: 135 @32179 has 1 MA's), (161, 32224), (218, 32323), (247, 32383), (267, 32419), (283, 32443), (306, 32488), (311, 32494), (350, 32545), (390, 32584), (391, 32587), (399, 32599), (409, 32614), (424, 32638), (437, 32671), (467, 32752), (480, 32797), (497, 32845), (510, 32881), (514, 32890), (517, 32896), (609, 33121),

Gene: Bluvara_22 Start: 21380, Stop: 22417, Start Num: 146
Candidate Starts for Bluvara_22:
(Start: 131 @21356 has 18 MA's), (Start: 143 @21377 has 31 MA's), (Start: 146 @21380 has 97 MA's), (162, 21404), (232, 21542), (254, 21584), (293, 21653), (333, 21713), (369, 21758), (392, 21803), (437, 21884), (461, 21941), (468, 21965), (500, 22070), (525, 22142), (540, 22187),

Gene: BobbyK_30 Start: 32610, Stop: 33767, Start Num: 83
Candidate Starts for BobbyK_30:
(Start: 83 @32610 has 436 MA's), (Start: 128 @32703 has 1 MA's), (Start: 135 @32718 has 1 MA's), (Start: 143 @32733 has 31 MA's), (Start: 152 @32745 has 1 MA's), (161, 32763), (236, 32904), (240, 32913), (253, 32931), (267, 32958), (275, 32973), (280, 32979), (283, 32985), (285, 32991), (303, 33018), (306, 33027), (324, 33060), (350, 33093), (414, 33153), (429, 33183), (432, 33189), (449, 33234), (468, 33288), (469, 33291), (517, 33435), (578, 33588),

Gene: Bock_27 Start: 23324, Stop: 24391, Start Num: 150
Candidate Starts for Bock_27:
(Start: 150 @23324 has 30 MA's), (374, 23702), (450, 23843), (457, 23858), (468, 23894), (492, 23978), (548, 24125),

Gene: Boehler_33 Start: 32374, Stop: 33534, Start Num: 83
Candidate Starts for Boehler_33:
(Start: 83 @32374 has 436 MA's), (Start: 135 @32485 has 1 MA's), (161, 32530), (218, 32629), (247, 32689), (267, 32725), (283, 32749), (306, 32794), (311, 32800), (350, 32851), (390, 32890), (391, 32893), (399, 32905), (409, 32920), (424, 32944), (437, 32977), (467, 33058), (480, 33103), (497, 33151), (510, 33187), (514, 33196), (517, 33202), (609, 33427),

Gene: Bongo_31 Start: 26992, Stop: 28047, Start Num: 146
Candidate Starts for Bongo_31:
(Start: 146 @26992 has 97 MA's), (258, 27205), (280, 27241), (317, 27304), (376, 27376), (392, 27406), (406, 27427), (430, 27463), (441, 27499), (461, 27547), (467, 27568), (469, 27574), (473, 27604), (475, 27607), (493, 27655), (569, 27844), (576, 27865), (599, 27919),

Gene: Bonum_48 Start: 35639, Stop: 36694, Start Num: 150
Candidate Starts for Bonum_48:
(119, 35576), (Start: 150 @35639 has 30 MA's), (261, 35852), (296, 35909), (380, 36035), (500, 36323), (627, 36668),

Gene: BoogieWoogie_33 Start: 32055, Stop: 33215, Start Num: 83
Candidate Starts for BoogieWoogie_33:
(Start: 83 @32055 has 436 MA's), (Start: 135 @32166 has 1 MA's), (161, 32211), (218, 32310), (247, 32370), (267, 32406), (283, 32430), (306, 32475), (311, 32481), (350, 32532), (390, 32571), (391, 32574), (399, 32586), (409, 32601), (424, 32625), (437, 32658), (467, 32739), (480, 32784), (497, 32832), (510, 32868), (514, 32877), (517, 32883), (609, 33108),

Gene: Bosection6_22 Start: 20220, Stop: 21437, Start Num: 130
Candidate Starts for Bosection6_22:
(38, 19893), (75, 20091), (Start: 130 @20220 has 6 MA's), (Start: 131 @20223 has 18 MA's), (268, 20484), (358, 20655), (439, 20805), (453, 20844), (488, 20946), (497, 20988), (619, 21360),

Gene: BourbonZero_21 Start: 22227, Stop: 23426, Start Num: 91
Candidate Starts for BourbonZero_21:
(Start: 91 @22227 has 34 MA's), (133, 22329), (Start: 152 @22359 has 1 MA's), (157, 22368), (177, 22407), (184, 22419), (209, 22458), (225, 22494), (230, 22503), (247, 22539), (275, 22587), (350, 22719), (354, 22725), (418, 22839), (432, 22863), (467, 22956), (473, 22992), (494, 23046), (500, 23064), (580, 23256), (618, 23364),

Gene: Boyle_33 Start: 32811, Stop: 33974, Start Num: 83
Candidate Starts for Boyle_33:
(46, 32664), (Start: 79 @32805 has 10 MA's), (Start: 83 @32811 has 436 MA's), (102, 32850), (114, 32880), (Start: 135 @32925 has 1 MA's), (161, 32970), (218, 33069), (247, 33129), (267, 33165), (283, 33189), (306, 33234), (311, 33240), (350, 33291), (390, 33330), (391, 33333), (399, 33345), (409, 33360), (424, 33384), (437, 33417), (467, 33498), (480, 33543), (497, 33591), (510, 33627), (514, 33636), (517, 33642), (537, 33702), (609, 33867),

Gene: BrainDrainer_22 Start: 21566, Stop: 22720, Start Num: 91
Candidate Starts for BrainDrainer_22:
(Start: 91 @21566 has 34 MA's), (133, 21668), (140, 21680), (Start: 180 @21749 has 3 MA's), (230, 21842), (259, 21896), (275, 21926), (283, 21935), (304, 21974), (327, 22022), (342, 22046), (350, 22058), (393, 22082), (444, 22172), (486, 22289), (493, 22325), (497, 22334), (518, 22391), (529, 22430),

Gene: Bricole_31 Start: 26978, Stop: 28033, Start Num: 146
Candidate Starts for Bricole_31:
(Start: 146 @26978 has 97 MA's), (258, 27191), (280, 27227), (317, 27290), (376, 27362), (392, 27392), (406, 27413), (430, 27449), (441, 27485), (461, 27533), (467, 27554), (469, 27560), (473, 27590), (475, 27593), (493, 27641), (569, 27830), (576, 27851), (599, 27905),

Gene: Brilliant_33 Start: 32079, Stop: 33239, Start Num: 83
Candidate Starts for Brilliant_33:
(Start: 83 @32079 has 436 MA's), (Start: 135 @32190 has 1 MA's), (161, 32235), (218, 32334), (247, 32394), (267, 32430), (283, 32454), (306, 32499), (311, 32505), (350, 32556), (390, 32595), (391, 32598), (399, 32610), (424, 32649), (437, 32682), (467, 32763), (480, 32808), (497, 32856), (510, 32892), (514, 32901), (517, 32907), (609, 33132),

Gene: Brocalys_20 Start: 19901, Stop: 21058, Start Num: 82
Candidate Starts for Brocalys_20:
(Start: 82 @19901 has 4 MA's), (Start: 135 @20009 has 1 MA's), (Start: 149 @20030 has 1 MA's), (181, 20090), (199, 20114), (201, 20120), (210, 20138), (216, 20150), (222, 20162), (227, 20174), (259, 20234), (267, 20249), (272, 20258), (285, 20282), (303, 20312), (379, 20396), (381, 20399), (393, 20420), (407, 20441), (414, 20450), (421, 20462), (426, 20471), (517, 20732), (537, 20801), (627, 21035),

Gene: Bromden_23 Start: 22120, Stop: 23205, Start Num: 105
Candidate Starts for Bromden_23:
(Start: 105 @22120 has 6 MA's), (109, 22132), (249, 22375), (271, 22411), (295, 22450), (301, 22459), (315, 22483), (421, 22594), (431, 22609), (469, 22711), (485, 22756), (500, 22810), (517, 22849), (609, 23092),

Gene: BronnyJr_22 Start: 21730, Stop: 22797, Start Num: 146
Candidate Starts for BronnyJr_22:
(Start: 143 @21727 has 31 MA's), (Start: 146 @21730 has 97 MA's), (232, 21892), (254, 21934), (293, 22003), (333, 22063), (369, 22108), (392, 22153), (435, 22222), (437, 22234), (461, 22291), (468, 22315), (516, 22453), (517, 22456),

Gene: BrownCNA_31 Start: 32871, Stop: 34028, Start Num: 83
Candidate Starts for BrownCNA_31:
(Start: 83 @32871 has 436 MA's), (Start: 128 @32964 has 1 MA's), (Start: 135 @32979 has 1 MA's), (Start: 143 @32994 has 31 MA's), (Start: 152 @33006 has 1 MA's), (161, 33024), (188, 33066), (236, 33165), (240, 33174), (253, 33192), (267, 33219), (275, 33234), (280, 33240), (283, 33246), (285, 33252), (303, 33279), (306, 33288), (324, 33321), (350, 33354), (409, 33408), (414, 33414), (429, 33444), (432, 33450), (440, 33471), (449, 33495), (468, 33549), (469, 33552), (517, 33696),

Gene: Brownie5_33 Start: 32811, Stop: 33980, Start Num: 79
Candidate Starts for Brownie5_33:
(46, 32670), (Start: 79 @32811 has 10 MA's), (Start: 83 @32817 has 436 MA's), (102, 32856), (114, 32886), (Start: 135 @32931 has 1 MA's), (161, 32976), (218, 33075), (247, 33135), (267, 33171), (283, 33195), (306, 33240), (311, 33246), (350, 33297), (390, 33336), (391, 33339), (399, 33351), (409, 33366), (424, 33390), (437, 33423), (467, 33504), (497, 33597), (510, 33633), (514, 33642), (517, 33648), (537, 33708), (609, 33873),

Gene: Brusacoram_22 Start: 21299, Stop: 22336, Start Num: 146
Candidate Starts for Brusacoram_22:
(Start: 131 @21275 has 18 MA's), (Start: 143 @21296 has 31 MA's), (Start: 146 @21299 has 97 MA's), (162, 21323), (232, 21461), (254, 21503), (293, 21572), (333, 21632), (369, 21677), (392, 21722), (437, 21803), (461, 21860), (468, 21884), (500, 21989), (525, 22061), (540, 22106), (616, 22271),

Gene: Brylie_27 Start: 23315, Stop: 24382, Start Num: 150
Candidate Starts for Brylie_27:
(Start: 150 @23315 has 30 MA's), (265, 23525), (374, 23693), (450, 23834), (457, 23849), (461, 23861), (468, 23885), (492, 23969), (504, 24005), (548, 24116),

Gene: Buckeye_33 Start: 32391, Stop: 33551, Start Num: 83
Candidate Starts for Buckeye_33:
(Start: 83 @32391 has 436 MA's), (Start: 135 @32502 has 1 MA's), (161, 32547), (218, 32646), (247, 32706), (267, 32742), (283, 32766), (306, 32811), (311, 32817), (350, 32868), (390, 32907), (391, 32910), (399, 32922), (409, 32937), (424, 32961), (437, 32994), (467, 33075), (480, 33120), (497, 33168), (510, 33204), (514, 33213), (517, 33219), (609, 33444),

Gene: Buggaboo_46 Start: 36118, Stop: 37173, Start Num: 150
Candidate Starts for Buggaboo_46:
(Start: 150 @36118 has 30 MA's), (261, 36331), (380, 36514), (500, 36802), (627, 37147),

Gene: Bunnies_22 Start: 21321, Stop: 22358, Start Num: 146
Candidate Starts for Bunnies_22:
(Start: 131 @21297 has 18 MA's), (Start: 143 @21318 has 31 MA's), (Start: 146 @21321 has 97 MA's), (162, 21345), (232, 21483), (254, 21525), (293, 21594), (333, 21654), (369, 21699), (392, 21744), (437, 21825), (461, 21882), (468, 21906), (500, 22011), (525, 22083), (540, 22128), (616, 22293),

Gene: Burr_32 Start: 32068, Stop: 33228, Start Num: 83
Candidate Starts for Burr_32:
(Start: 83 @32068 has 436 MA's), (Start: 135 @32179 has 1 MA's), (161, 32224), (218, 32323), (247, 32383), (267, 32419), (283, 32443), (306, 32488), (311, 32494), (350, 32545), (390, 32584), (391, 32587), (399, 32599), (424, 32638), (437, 32671), (467, 32752), (480, 32797), (497, 32845), (510, 32881), (514, 32890), (517, 32896), (609, 33121),

Gene: Butters_22 Start: 19998, Stop: 21038, Start Num: 144
Candidate Starts for Butters_22:
(113, 19932), (Start: 144 @19998 has 5 MA's), (230, 20157), (232, 20163), (291, 20271), (293, 20274), (303, 20289), (369, 20379), (392, 20424), (437, 20505), (461, 20562), (468, 20586), (494, 20673), (500, 20691), (525, 20763), (540, 20808), (616, 20973),

Gene: CRB2_34 Start: 34225, Stop: 35433, Start Num: 80
Candidate Starts for CRB2_34:
(35, 34009), (66, 34192), (Start: 80 @34225 has 12 MA's), (161, 34387), (181, 34423), (209, 34471), (230, 34516), (262, 34576), (272, 34594), (311, 34660), (322, 34678), (340, 34696), (349, 34711), (350, 34714), (379, 34738), (470, 34933), (498, 35023), (506, 35068), (515, 35083), (541, 35170), (550, 35185), (573, 35236), (585, 35269), (629, 35416),

Gene: CactusJack_22 Start: 21561, Stop: 22601, Start Num: 141
Candidate Starts for CactusJack_22:
(Start: 141 @21561 has 12 MA's), (230, 21720), (232, 21726), (254, 21768), (291, 21834), (293, 21837), (333, 21897), (369, 21942), (392, 21987), (437, 22068), (461, 22125), (468, 22149), (500, 22254), (525, 22326), (540, 22371),

Gene: Calamitous_33 Start: 32697, Stop: 33860, Start Num: 83
Candidate Starts for Calamitous_33:
(46, 32550), (Start: 79 @32691 has 10 MA's), (Start: 83 @32697 has 436 MA's), (102, 32736), (114, 32766), (Start: 135 @32811 has 1 MA's), (161, 32856), (218, 32955), (247, 33015), (267, 33051), (283, 33075), (306, 33120), (311, 33126), (350, 33177), (390, 33216), (391, 33219), (399, 33231), (409, 33246), (424, 33270), (437, 33303), (467, 33384), (497, 33477), (510, 33513), (514, 33522), (517, 33528), (609, 33753),

Gene: Calm_21 Start: 21702, Stop: 22874, Start Num: 91
Candidate Starts for Calm_21:
(Start: 89 @21699 has 7 MA's), (Start: 91 @21702 has 34 MA's), (Start: 149 @21828 has 1 MA's), (173, 21870), (177, 21882), (Start: 180 @21885 has 3 MA's), (201, 21918), (206, 21930), (211, 21939), (230, 21978), (237, 21996), (259, 22032), (267, 22047), (298, 22098), (315, 22128), (334, 22170), (352, 22194), (401, 22230), (405, 22236), (423, 22263), (432, 22281), (469, 22374), (470, 22377), (494, 22461), (547, 22599), (557, 22617), (593, 22701),

Gene: CamL_33 Start: 32369, Stop: 33529, Start Num: 83
Candidate Starts for CamL_33:
(Start: 83 @32369 has 436 MA's), (Start: 135 @32480 has 1 MA's), (161, 32525), (218, 32624), (247, 32684), (267, 32720), (283, 32744), (306, 32789), (311, 32795), (350, 32846), (390, 32885), (391, 32888), (399, 32900), (409, 32915), (424, 32939), (437, 32972), (467, 33053), (480, 33098), (497, 33146), (510, 33182), (514, 33191), (517, 33197), (609, 33422),

Gene: Cambiare_24 Start: 23705, Stop: 25111, Start Num: 83
Candidate Starts for Cambiare_24:
(5, 22700), (12, 23075), (16, 23183), (Start: 83 @23705 has 436 MA's), (Start: 135 @23816 has 1 MA's), (Start: 143 @23831 has 31 MA's), (157, 23852), (211, 23948), (243, 24014), (247, 24020), (267,

24056), (287, 24089), (322, 24152), (332, 24158), (340, 24170), (403, 24242), (436, 24296), (463, 24374), (496, 24485), (499, 24491), (500, 24497), (531, 24587), (543, 24605), (548, 24614), (584, 24680), (642, 25094),

Gene: CampRoach_33 Start: 32359, Stop: 33519, Start Num: 83
Candidate Starts for CampRoach_33:
(Start: 83 @32359 has 436 MA's), (Start: 135 @32470 has 1 MA's), (161, 32515), (218, 32614), (247, 32674), (267, 32710), (283, 32734), (306, 32779), (311, 32785), (350, 32836), (390, 32875), (391, 32878), (399, 32890), (424, 32929), (437, 32962), (467, 33043), (497, 33136), (510, 33172), (514, 33181), (517, 33187), (609, 33412),

Gene: Camster_22 Start: 21300, Stop: 22367, Start Num: 146
Candidate Starts for Camster_22:
(Start: 131 @21276 has 18 MA's), (Start: 143 @21297 has 31 MA's), (Start: 146 @21300 has 97 MA's), (162, 21324), (232, 21462), (254, 21504), (293, 21573), (333, 21633), (369, 21678), (392, 21723), (435, 21792), (437, 21804), (461, 21861), (468, 21885), (524, 22056),

Gene: Cannibal_33 Start: 32352, Stop: 33512, Start Num: 83
Candidate Starts for Cannibal_33:
(Start: 83 @32352 has 436 MA's), (Start: 135 @32463 has 1 MA's), (161, 32508), (218, 32607), (247, 32667), (267, 32703), (283, 32727), (306, 32772), (311, 32778), (350, 32829), (390, 32868), (391, 32871), (399, 32883), (424, 32922), (437, 32955), (467, 33036), (480, 33081), (497, 33129), (510, 33165), (514, 33174), (517, 33180), (609, 33405),

Gene: Carcharodon_22 Start: 20220, Stop: 21437, Start Num: 130
Candidate Starts for Carcharodon_22:
(38, 19893), (75, 20091), (Start: 130 @20220 has 6 MA's), (Start: 131 @20223 has 18 MA's), (268, 20484), (358, 20655), (439, 20805), (453, 20844), (488, 20946), (497, 20988), (619, 21360),

Gene: Carthage_31 Start: 31281, Stop: 32441, Start Num: 83
Candidate Starts for Carthage_31:
(Start: 83 @31281 has 436 MA's), (Start: 135 @31392 has 1 MA's), (161, 31437), (218, 31536), (247, 31596), (267, 31632), (283, 31656), (306, 31701), (311, 31707), (350, 31758), (390, 31797), (391, 31800), (399, 31812), (424, 31851), (437, 31884), (467, 31965), (480, 32010), (497, 32058), (510, 32094), (514, 32103), (517, 32109), (609, 32334),

Gene: Casbah_32 Start: 32071, Stop: 33273, Start Num: 83
Candidate Starts for Casbah_32:
(Start: 83 @32071 has 436 MA's), (99, 32104), (177, 32248), (183, 32257), (188, 32266), (209, 32305), (214, 32314), (222, 32332), (230, 32350), (237, 32368), (240, 32374), (249, 32386), (259, 32404), (267, 32419), (287, 32452), (303, 32479), (332, 32524), (371, 32605), (386, 32632), (397, 32650), (409, 32668), (432, 32710), (441, 32734), (469, 32809), (473, 32839), (497, 32899), (500, 32911), (506, 32929), (543, 33028), (545, 33031), (594, 33136), (596, 33142), (600, 33160), (626, 33247),

Gene: Caspiboi_32 Start: 32078, Stop: 33238, Start Num: 83
Candidate Starts for Caspiboi_32:
(Start: 83 @32078 has 436 MA's), (Start: 135 @32189 has 1 MA's), (161, 32234), (218, 32333), (247, 32393), (267, 32429), (283, 32453), (306, 32498), (311, 32504), (350, 32555), (390, 32594), (391, 32597), (399, 32609), (424, 32648), (437, 32681), (467, 32762), (497, 32855), (510, 32891), (514, 32900), (517, 32906), (609, 33131),

Gene: Caterpie_29 Start: 29443, Stop: 30603, Start Num: 83
Candidate Starts for Caterpie_29:

(Start: 83 @29443 has 436 MA's), (100, 29479), (114, 29512), (Start: 135 @29557 has 1 MA's), (161, 29602), (163, 29605), (267, 29797), (283, 29821), (285, 29827), (311, 29872), (313, 29875), (350, 29923), (405, 29986), (407, 29989), (428, 30022), (458, 30097), (467, 30127), (506, 30250), (511, 30259), (514, 30265), (629, 30586),

Gene: Cepens_25 Start: 29381, Stop: 30586, Start Num: 76
Candidate Starts for Cepens_25:
(Start: 74 @29378 has 2 MA's), (Start: 76 @29381 has 7 MA's), (109, 29450), (Start: 152 @29519 has 1 MA's), (170, 29549), (177, 29561), (181, 29567), (183, 29570), (188, 29579), (209, 29618), (214, 29627), (219, 29639), (247, 29696), (253, 29705), (259, 29717), (267, 29732), (293, 29777), (303, 29792), (332, 29837), (365, 29906), (379, 29933), (393, 29957), (423, 30002), (432, 30023), (441, 30047), (469, 30122), (473, 30152), (497, 30212), (500, 30224), (506, 30242), (545, 30344), (596, 30455), (600, 30473), (614, 30524), (626, 30560),

Gene: Cerasum_20 Start: 20087, Stop: 21244, Start Num: 80
Candidate Starts for Cerasum_20:
(Start: 80 @20087 has 12 MA's), (Start: 86 @20090 has 22 MA's), (Start: 149 @20219 has 1 MA's), (165, 20249), (181, 20279), (189, 20288), (199, 20303), (210, 20327), (222, 20351), (227, 20363), (267, 20438), (272, 20447), (285, 20471), (303, 20501), (379, 20585), (381, 20588), (393, 20609), (493, 20858), (497, 20867), (506, 20897), (517, 20918), (537, 20987), (627, 21221),

Gene: ChaChing_33 Start: 32234, Stop: 33436, Start Num: 83
Candidate Starts for ChaChing_33:
(Start: 83 @32234 has 436 MA's), (99, 32267), (177, 32411), (183, 32420), (188, 32429), (209, 32468), (214, 32477), (222, 32495), (230, 32513), (237, 32531), (240, 32537), (249, 32549), (259, 32567), (267, 32582), (287, 32615), (303, 32642), (332, 32687), (371, 32768), (386, 32795), (397, 32813), (409, 32831), (432, 32873), (441, 32897), (469, 32972), (473, 33002), (497, 33062), (500, 33074), (506, 33092), (545, 33194), (594, 33299), (596, 33305), (600, 33323), (626, 33410),

Gene: Chaelin_33 Start: 32066, Stop: 33226, Start Num: 83
Candidate Starts for Chaelin_33:
(Start: 83 @32066 has 436 MA's), (Start: 135 @32177 has 1 MA's), (161, 32222), (218, 32321), (247, 32381), (267, 32417), (283, 32441), (306, 32486), (311, 32492), (350, 32543), (390, 32582), (391, 32585), (399, 32597), (424, 32636), (437, 32669), (467, 32750), (480, 32795), (497, 32843), (510, 32879), (514, 32888), (517, 32894), (609, 33119),

Gene: Chah_34 Start: 32386, Stop: 33546, Start Num: 83
Candidate Starts for Chah_34:
(Start: 83 @32386 has 436 MA's), (Start: 135 @32497 has 1 MA's), (161, 32542), (218, 32641), (247, 32701), (267, 32737), (283, 32761), (306, 32806), (311, 32812), (350, 32863), (390, 32902), (391, 32905), (399, 32917), (424, 32956), (437, 32989), (467, 33070), (480, 33115), (497, 33163), (510, 33199), (514, 33208), (517, 33214), (609, 33439),

Gene: Chalmers_33 Start: 33026, Stop: 34228, Start Num: 83
Candidate Starts for Chalmers_33:
(Start: 83 @33026 has 436 MA's), (99, 33059), (177, 33203), (183, 33212), (188, 33221), (209, 33260), (214, 33269), (222, 33287), (230, 33305), (237, 33323), (240, 33329), (249, 33341), (259, 33359), (267, 33374), (287, 33407), (303, 33434), (332, 33479), (371, 33560), (386, 33587), (397, 33605), (409, 33623), (432, 33665), (441, 33689), (469, 33764), (473, 33794), (497, 33854), (500, 33866), (506, 33884), (545, 33986), (594, 34091), (596, 34097), (600, 34115), (626, 34202),

Gene: Chancellor_29 Start: 24596, Stop: 25600, Start Num: 178
Candidate Starts for Chancellor_29:

(Start: 178 @24596 has 14 MA's), (275, 24764), (304, 24809), (306, 24815), (341, 24869), (347, 24878), (385, 24959), (399, 24980), (403, 24986), (405, 24989), (467, 25121), (468, 25124), (506, 25247),

Gene: Chandler_33 Start: 33002, Stop: 34204, Start Num: 83
Candidate Starts for Chandler_33:
(Start: 83 @33002 has 436 MA's), (99, 33035), (177, 33179), (183, 33188), (188, 33197), (209, 33236), (214, 33245), (222, 33263), (230, 33281), (237, 33299), (240, 33305), (249, 33317), (259, 33335), (267, 33350), (287, 33383), (303, 33410), (332, 33455), (371, 33536), (386, 33563), (397, 33581), (409, 33599), (432, 33641), (441, 33665), (469, 33740), (473, 33770), (497, 33830), (500, 33842), (506, 33860), (545, 33962), (594, 34067), (596, 34073), (600, 34091), (626, 34178),

Gene: Charianelly_30 Start: 38106, Stop: 39008, Start Num: 217
Candidate Starts for Charianelly_30:
(Start: 217 @38106 has 25 MA's), (293, 38244), (337, 38313), (375, 38361), (422, 38424), (437, 38460), (493, 38628), (600, 38880), (627, 38985),

Gene: Charles1_33 Start: 32354, Stop: 33514, Start Num: 83
Candidate Starts for Charles1_33:
(Start: 83 @32354 has 436 MA's), (Start: 135 @32465 has 1 MA's), (161, 32510), (218, 32609), (247, 32669), (267, 32705), (283, 32729), (306, 32774), (311, 32780), (350, 32831), (390, 32870), (391, 32873), (399, 32885), (409, 32900), (424, 32924), (437, 32957), (467, 33038), (480, 33083), (497, 33131), (510, 33167), (514, 33176), (517, 33182), (609, 33407),

Gene: Charlie_22 Start: 20220, Stop: 21437, Start Num: 130
Candidate Starts for Charlie_22:
(38, 19893), (75, 20091), (Start: 130 @20220 has 6 MA's), (Start: 131 @20223 has 18 MA's), (268, 20484), (358, 20655), (439, 20805), (453, 20844), (488, 20946), (497, 20988), (619, 21360),

Gene: CharlieGBrown_32 Start: 31944, Stop: 33104, Start Num: 83
Candidate Starts for CharlieGBrown_32:
(Start: 83 @31944 has 436 MA's), (Start: 135 @32055 has 1 MA's), (161, 32100), (218, 32199), (247, 32259), (267, 32295), (283, 32319), (306, 32364), (311, 32370), (350, 32421), (390, 32460), (391, 32463), (399, 32475), (409, 32490), (424, 32514), (437, 32547), (467, 32628), (480, 32673), (497, 32721), (510, 32757), (514, 32766), (517, 32772), (609, 32997),

Gene: Charminar_30 Start: 27114, Stop: 28211, Start Num: 148
Candidate Starts for Charminar_30:
(Start: 148 @27114 has 14 MA's), (210, 27228), (257, 27321), (277, 27354), (280, 27357), (281, 27360), (293, 27381), (302, 27393), (333, 27441), (377, 27504), (411, 27558), (454, 27654), (465, 27696), (503, 27822), (538, 27930), (559, 27969), (595, 28056), (633, 28203),

Gene: Chaser_21 Start: 21531, Stop: 22616, Start Num: 105
Candidate Starts for Chaser_21:
(Start: 105 @21531 has 6 MA's), (247, 21783), (271, 21822), (276, 21831), (279, 21834), (295, 21861), (301, 21870), (315, 21894), (350, 21945), (354, 21951), (421, 22005), (500, 22221), (517, 22260), (572, 22401), (584, 22434), (609, 22503),

Gene: Che9c_21 Start: 21007, Stop: 22053, Start Num: 146
Candidate Starts for Che9c_21:
(Start: 146 @21007 has 97 MA's), (258, 21220), (333, 21331), (369, 21373), (370, 21376), (411, 21445), (467, 21577), (473, 21613), (516, 21721), (576, 21874), (579, 21883), (583, 21895),

Gene: CheetO_33 Start: 32368, Stop: 33528, Start Num: 83
Candidate Starts for CheetO_33:
(Start: 83 @32368 has 436 MA's), (Start: 135 @32479 has 1 MA's), (161, 32524), (218, 32623), (247, 32683), (267, 32719), (283, 32743), (306, 32788), (311, 32794), (350, 32845), (390, 32884), (391, 32887), (399, 32899), (409, 32914), (424, 32938), (437, 32971), (467, 33052), (480, 33097), (497, 33145), (510, 33181), (514, 33190), (517, 33196), (609, 33421),

Gene: Cheetobro_29 Start: 24593, Stop: 25597, Start Num: 178
Candidate Starts for Cheetobro_29:
(Start: 178 @24593 has 14 MA's), (275, 24761), (304, 24806), (306, 24812), (341, 24866), (347, 24875), (385, 24956), (399, 24977), (403, 24983), (405, 24986), (467, 25118), (468, 25121), (506, 25244),

Gene: Chentzyk_32 Start: 32092, Stop: 33294, Start Num: 83
Candidate Starts for Chentzyk_32:
(Start: 83 @32092 has 436 MA's), (99, 32125), (177, 32269), (183, 32278), (188, 32287), (209, 32326), (214, 32335), (222, 32353), (230, 32371), (237, 32389), (240, 32395), (249, 32407), (259, 32425), (267, 32440), (287, 32473), (303, 32500), (332, 32545), (371, 32626), (386, 32653), (397, 32671), (409, 32689), (432, 32731), (441, 32755), (469, 32830), (473, 32860), (497, 32920), (500, 32932), (506, 32950), (545, 33052), (594, 33157), (596, 33163), (600, 33181), (626, 33268),

Gene: Cher_32 Start: 32091, Stop: 33251, Start Num: 83
Candidate Starts for Cher_32:
(Start: 83 @32091 has 436 MA's), (Start: 135 @32202 has 1 MA's), (161, 32247), (218, 32346), (247, 32406), (267, 32442), (283, 32466), (306, 32511), (311, 32517), (350, 32568), (390, 32607), (391, 32610), (399, 32622), (409, 32637), (424, 32661), (437, 32694), (467, 32775), (480, 32820), (497, 32868), (510, 32904), (514, 32913), (517, 32919), (609, 33144),

Gene: Chewbacca_22 Start: 20223, Stop: 21437, Start Num: 131
Candidate Starts for Chewbacca_22:
(38, 19893), (75, 20091), (Start: 130 @20220 has 6 MA's), (Start: 131 @20223 has 18 MA's), (268, 20484), (358, 20655), (439, 20805), (453, 20844), (488, 20946), (497, 20988), (619, 21360),

Gene: Childish_32 Start: 32094, Stop: 33254, Start Num: 83
Candidate Starts for Childish_32:
(Start: 83 @32094 has 436 MA's), (Start: 135 @32205 has 1 MA's), (161, 32250), (218, 32349), (247, 32409), (267, 32445), (283, 32469), (306, 32514), (311, 32520), (350, 32571), (390, 32610), (391, 32613), (399, 32625), (409, 32640), (424, 32664), (437, 32697), (467, 32778), (480, 32823), (497, 32871), (510, 32907), (514, 32916), (517, 32922), (609, 33147),

Gene: Chipette_34 Start: 32584, Stop: 33744, Start Num: 83
Candidate Starts for Chipette_34:
(Start: 83 @32584 has 436 MA's), (Start: 135 @32695 has 1 MA's), (161, 32740), (218, 32839), (247, 32899), (267, 32935), (283, 32959), (306, 33004), (311, 33010), (350, 33061), (390, 33100), (391, 33103), (399, 33115), (409, 33130), (424, 33154), (437, 33187), (467, 33268), (480, 33313), (497, 33361), (510, 33397), (514, 33406), (517, 33412), (609, 33637),

Gene: Chop_27 Start: 23849, Stop: 24916, Start Num: 150
Candidate Starts for Chop_27:
(Start: 150 @23849 has 30 MA's), (374, 24227), (450, 24368), (457, 24383), (461, 24395), (468, 24419), (492, 24503), (494, 24509), (505, 24542), (511, 24554), (548, 24650), (550, 24653), (559, 24674),

Gene: Chorkpop_33 Start: 32090, Stop: 33250, Start Num: 83
Candidate Starts for Chorkpop_33:
(Start: 83 @32090 has 436 MA's), (Start: 135 @32201 has 1 MA's), (161, 32246), (218, 32345), (247, 32405), (267, 32441), (283, 32465), (306, 32510), (311, 32516), (350, 32567), (390, 32606), (391, 32609), (399, 32621), (424, 32660), (437, 32693), (467, 32774), (480, 32819), (497, 32867), (510, 32903), (514, 32912), (517, 32918), (609, 33143),

Gene: ChrisnMich_29 Start: 31570, Stop: 32727, Start Num: 83
Candidate Starts for ChrisnMich_29:
(Start: 83 @31570 has 436 MA's), (Start: 128 @31663 has 1 MA's), (Start: 135 @31678 has 1 MA's), (Start: 143 @31693 has 31 MA's), (Start: 152 @31705 has 1 MA's), (161, 31723), (214, 31813), (236, 31864), (240, 31873), (245, 31879), (253, 31891), (267, 31918), (275, 31933), (280, 31939), (283, 31945), (303, 31978), (306, 31987), (324, 32020), (350, 32053), (429, 32143), (432, 32149), (468, 32248), (469, 32251), (517, 32395), (578, 32548),

Gene: Chubbello_22 Start: 21298, Stop: 22335, Start Num: 146
Candidate Starts for Chubbello_22:
(Start: 131 @21274 has 18 MA's), (Start: 143 @21295 has 31 MA's), (Start: 146 @21298 has 97 MA's), (162, 21322), (232, 21460), (254, 21502), (293, 21571), (333, 21631), (369, 21676), (392, 21721), (437, 21802), (461, 21859), (468, 21883), (494, 21970), (500, 21988), (525, 22060), (540, 22105), (616, 22270),

Gene: Chuni_33 Start: 32385, Stop: 33545, Start Num: 83
Candidate Starts for Chuni_33:
(Start: 83 @32385 has 436 MA's), (Start: 135 @32496 has 1 MA's), (161, 32541), (218, 32640), (247, 32700), (267, 32736), (283, 32760), (306, 32805), (311, 32811), (350, 32862), (390, 32901), (391, 32904), (399, 32916), (409, 32931), (424, 32955), (437, 32988), (467, 33069), (480, 33114), (497, 33162), (510, 33198), (514, 33207), (517, 33213), (609, 33438),

Gene: Chunky_33 Start: 32488, Stop: 33537, Start Num: 135
Candidate Starts for Chunky_33:
(Start: 83 @32377 has 436 MA's), (Start: 135 @32488 has 1 MA's), (161, 32533), (218, 32632), (247, 32692), (267, 32728), (283, 32752), (306, 32797), (311, 32803), (350, 32854), (390, 32893), (391, 32896), (399, 32908), (409, 32923), (424, 32947), (437, 32980), (467, 33061), (480, 33106), (497, 33154), (510, 33190), (514, 33199), (517, 33205), (609, 33430),

Gene: Chute_33 Start: 32415, Stop: 33575, Start Num: 83
Candidate Starts for Chute_33:
(Start: 83 @32415 has 436 MA's), (Start: 135 @32526 has 1 MA's), (161, 32571), (218, 32670), (247, 32730), (267, 32766), (283, 32790), (306, 32835), (311, 32841), (350, 32892), (390, 32931), (391, 32934), (399, 32946), (424, 32985), (437, 33018), (467, 33099), (480, 33144), (497, 33192), (510, 33228), (514, 33237), (517, 33243), (609, 33468),

Gene: ChutneyChips_22 Start: 21717, Stop: 22802, Start Num: 105
Candidate Starts for ChutneyChips_22:
(Start: 105 @21717 has 6 MA's), (151, 21798), (234, 21945), (247, 21969), (263, 21996), (271, 22008), (279, 22020), (295, 22047), (315, 22080), (398, 22158), (421, 22191), (470, 22311), (485, 22353), (500, 22407), (572, 22587), (584, 22620), (594, 22644), (609, 22689),

Gene: CicholasNage_21 Start: 21687, Stop: 22862, Start Num: 89
Candidate Starts for CicholasNage_21:
(Start: 89 @21687 has 7 MA's), (Start: 91 @21690 has 34 MA's), (Start: 149 @21816 has 1 MA's), (173, 21858), (177, 21870), (Start: 180 @21873 has 3 MA's), (201, 21906), (206, 21918), (230, 21966),

(237, 21984), (259, 22020), (267, 22035), (298, 22086), (315, 22116), (334, 22158), (352, 22182), (401, 22218), (405, 22224), (423, 22251), (432, 22269), (469, 22362), (470, 22365), (494, 22449), (547, 22587), (557, 22605), (593, 22689),

Gene: Clautastrophe_22 Start: 22247, Stop: 23464, Start Num: 91
Candidate Starts for Clautastrophe_22:
(Start: 91 @22247 has 34 MA's), (133, 22349), (140, 22361), (Start: 152 @22379 has 1 MA's), (157, 22388), (177, 22427), (201, 22463), (209, 22478), (211, 22484), (225, 22514), (227, 22517), (244, 22553), (250, 22565), (283, 22616), (284, 22619), (318, 22679), (329, 22706), (337, 22721), (342, 22727), (350, 22739), (379, 22799), (393, 22823), (432, 22883), (468, 22979), (473, 23012), (500, 23084), (510, 23108), (606, 23336), (609, 23348),

Gene: Clifton_19 Start: 20217, Stop: 21371, Start Num: 86
Candidate Starts for Clifton_19:
(Start: 80 @20214 has 12 MA's), (Start: 86 @20217 has 22 MA's), (124, 20298), (Start: 149 @20346 has 1 MA's), (181, 20406), (189, 20415), (199, 20430), (210, 20454), (222, 20478), (227, 20490), (267, 20565), (272, 20574), (285, 20598), (303, 20628), (379, 20712), (381, 20715), (393, 20736), (467, 20895), (493, 20985), (497, 20994), (506, 21024), (517, 21045), (627, 21348),

Gene: Cloudyecho_23 Start: 23107, Stop: 24477, Start Num: 103
Candidate Starts for Cloudyecho_23:
(Start: 103 @23107 has 6 MA's), (166, 23227), (267, 23413), (350, 23542), (374, 23554), (403, 23602), (419, 23626), (446, 23692), (531, 23956), (543, 23974), (548, 23983), (640, 24436),

Gene: Cobra_33 Start: 32375, Stop: 33535, Start Num: 83
Candidate Starts for Cobra_33:
(Start: 83 @32375 has 436 MA's), (Start: 135 @32486 has 1 MA's), (161, 32531), (218, 32630), (247, 32690), (267, 32726), (283, 32750), (306, 32795), (311, 32801), (350, 32852), (390, 32891), (391, 32894), (399, 32906), (409, 32921), (424, 32945), (437, 32978), (467, 33059), (480, 33104), (497, 33152), (510, 33188), (514, 33197), (517, 33203), (609, 33428),

Gene: Coffee_33 Start: 32800, Stop: 33963, Start Num: 83
Candidate Starts for Coffee_33:
(46, 32653), (Start: 79 @32794 has 10 MA's), (Start: 83 @32800 has 436 MA's), (102, 32839), (114, 32869), (Start: 135 @32914 has 1 MA's), (161, 32959), (218, 33058), (247, 33118), (267, 33154), (283, 33178), (306, 33223), (311, 33229), (350, 33280), (390, 33319), (391, 33322), (399, 33334), (409, 33349), (424, 33373), (437, 33406), (467, 33487), (497, 33580), (510, 33616), (514, 33625), (517, 33631), (609, 33856),

Gene: Colbert_33 Start: 32430, Stop: 33590, Start Num: 83
Candidate Starts for Colbert_33:
(Start: 83 @32430 has 436 MA's), (Start: 135 @32541 has 1 MA's), (161, 32586), (218, 32685), (247, 32745), (267, 32781), (283, 32805), (306, 32850), (311, 32856), (350, 32907), (390, 32946), (391, 32949), (399, 32961), (424, 33000), (437, 33033), (467, 33114), (480, 33159), (497, 33207), (510, 33243), (514, 33252), (517, 33258), (609, 33483),

Gene: Coletti_33 Start: 32415, Stop: 33575, Start Num: 83
Candidate Starts for Coletti_33:
(Start: 83 @32415 has 436 MA's), (Start: 135 @32526 has 1 MA's), (161, 32571), (218, 32670), (247, 32730), (267, 32766), (283, 32790), (306, 32835), (311, 32841), (350, 32892), (390, 32931), (391, 32934), (399, 32946), (424, 32985), (437, 33018), (467, 33099), (480, 33144), (497, 33192), (510, 33228), (514, 33237), (517, 33243), (609, 33468),

Gene: Collard_27 Start: 24040, Stop: 25104, Start Num: 146
Candidate Starts for Collard_27:
(Start: 146 @24040 has 97 MA's), (197, 24130), (210, 24157), (238, 24220), (264, 24268), (289, 24307), (302, 24325), (323, 24370), (366, 24409), (392, 24457), (404, 24475), (441, 24550), (468, 24616), (494, 24706), (495, 24709), (497, 24712), (508, 24745), (542, 24844), (544, 24847), (581, 24931), (587, 24943), (624, 25060),

Gene: Commandaria_46 Start: 36317, Stop: 37420, Start Num: 129
Candidate Starts for Commandaria_46:
(Start: 129 @36317 has 10 MA's), (198, 36446), (211, 36476), (437, 36836), (468, 36917), (578, 37220),

Gene: Compostia_34 Start: 32649, Stop: 33851, Start Num: 83
Candidate Starts for Compostia_34:
(Start: 83 @32649 has 436 MA's), (177, 32826), (183, 32835), (188, 32844), (209, 32883), (214, 32892), (222, 32910), (230, 32928), (237, 32946), (240, 32952), (249, 32964), (259, 32982), (267, 32997), (287, 33030), (303, 33057), (332, 33102), (371, 33183), (386, 33210), (397, 33228), (409, 33246), (432, 33288), (473, 33417), (506, 33507), (545, 33609), (577, 33675), (594, 33714), (611, 33786), (627, 33828),

Gene: Cooper_30 Start: 31786, Stop: 32946, Start Num: 83
Candidate Starts for Cooper_30:
(Start: 83 @31786 has 436 MA's), (Start: 135 @31894 has 1 MA's), (Start: 143 @31909 has 31 MA's), (Start: 152 @31921 has 1 MA's), (157, 31930), (161, 31939), (175, 31963), (188, 31981), (236, 32080), (240, 32089), (245, 32095), (253, 32107), (267, 32134), (275, 32149), (280, 32155), (283, 32161), (284, 32164), (293, 32182), (303, 32197), (324, 32239), (350, 32272), (397, 32308), (414, 32332), (429, 32362), (432, 32368), (458, 32434), (468, 32467), (469, 32470), (517, 32614), (594, 32803),

Gene: Cornbread_32 Start: 32091, Stop: 33251, Start Num: 83
Candidate Starts for Cornbread_32:
(Start: 83 @32091 has 436 MA's), (Start: 135 @32202 has 1 MA's), (161, 32247), (218, 32346), (247, 32406), (267, 32442), (283, 32466), (306, 32511), (311, 32517), (350, 32568), (390, 32607), (391, 32610), (399, 32622), (409, 32637), (424, 32661), (437, 32694), (467, 32775), (480, 32820), (497, 32868), (510, 32904), (514, 32913), (517, 32919), (609, 33144),

Gene: Cornobble_32 Start: 31929, Stop: 33089, Start Num: 83
Candidate Starts for Cornobble_32:
(Start: 83 @31929 has 436 MA's), (Start: 135 @32040 has 1 MA's), (161, 32085), (247, 32244), (267, 32280), (283, 32304), (306, 32349), (311, 32355), (350, 32406), (390, 32445), (391, 32448), (399, 32460), (424, 32499), (437, 32532), (467, 32613), (480, 32658), (497, 32706), (510, 32742), (514, 32751), (517, 32757), (609, 32982),

Gene: Cosmolli16_32 Start: 32088, Stop: 33239, Start Num: 83
Candidate Starts for Cosmolli16_32:
(Start: 83 @32088 has 436 MA's), (Start: 135 @32199 has 1 MA's), (161, 32244), (218, 32343), (247, 32403), (267, 32439), (283, 32463), (306, 32508), (311, 32514), (350, 32565), (381, 32589), (390, 32604), (391, 32607), (399, 32619), (409, 32634), (424, 32658), (437, 32691), (467, 32772), (480, 32817), (497, 32865), (510, 32901), (514, 32910), (517, 32916), (609, 33141),

Gene: Cracklewink_28 Start: 26155, Stop: 27216, Start Num: 146
Candidate Starts for Cracklewink_28:
(Start: 146 @26155 has 97 MA's), (220, 26293), (231, 26314), (232, 26317), (257, 26365), (258, 26368), (302, 26443), (333, 26488), (369, 26530), (370, 26533), (379, 26551), (392, 26575), (402,

26587), (408, 26596), (416, 26602), (468, 26734), (494, 26824), (517, 26881), (534, 26956), (575, 27037), (629, 27199),

Gene: Craff_33 Start: 32372, Stop: 33532, Start Num: 83
Candidate Starts for Craff_33:
(Start: 83 @32372 has 436 MA's), (Start: 135 @32483 has 1 MA's), (161, 32528), (218, 32627), (247, 32687), (267, 32723), (283, 32747), (306, 32792), (311, 32798), (350, 32849), (390, 32888), (391, 32891), (399, 32903), (409, 32918), (424, 32942), (437, 32975), (467, 33056), (480, 33101), (497, 33149), (510, 33185), (514, 33194), (517, 33200), (609, 33425),

Gene: Crownjwl_33 Start: 32145, Stop: 33305, Start Num: 83
Candidate Starts for Crownjwl_33:
(Start: 83 @32145 has 436 MA's), (Start: 135 @32256 has 1 MA's), (161, 32301), (218, 32400), (247, 32460), (267, 32496), (283, 32520), (306, 32565), (311, 32571), (350, 32622), (390, 32661), (391, 32664), (399, 32676), (409, 32691), (424, 32715), (437, 32748), (467, 32829), (480, 32874), (497, 32922), (510, 32958), (514, 32967), (517, 32973), (609, 33198),

Gene: Crumble_19 Start: 20264, Stop: 21418, Start Num: 86
Candidate Starts for Crumble_19:
(Start: 80 @20261 has 12 MA's), (Start: 86 @20264 has 22 MA's), (124, 20345), (Start: 149 @20393 has 1 MA's), (181, 20453), (189, 20462), (199, 20477), (210, 20501), (222, 20525), (227, 20537), (267, 20612), (272, 20621), (285, 20645), (303, 20675), (379, 20759), (381, 20762), (393, 20783), (467, 20942), (493, 21032), (497, 21041), (506, 21071), (517, 21092), (627, 21395),

Gene: Cubone_22 Start: 20245, Stop: 21459, Start Num: 131
Candidate Starts for Cubone_22:
(38, 19915), (75, 20113), (Start: 130 @20242 has 6 MA's), (Start: 131 @20245 has 18 MA's), (268, 20506), (358, 20677), (439, 20827), (453, 20866), (488, 20968), (497, 21010), (619, 21382),

Gene: Curiosium_29 Start: 23069, Stop: 24148, Start Num: 146
Candidate Starts for Curiosium_29:
(Start: 146 @23069 has 97 MA's), (Start: 164 @23096 has 1 MA's), (209, 23183), (230, 23228), (236, 23243), (238, 23249), (254, 23276), (260, 23291), (289, 23336), (291, 23339), (300, 23351), (309, 23372), (323, 23399), (346, 23420), (392, 23486), (461, 23630), (467, 23651), (469, 23657), (533, 23855), (553, 23888), (557, 23897),

Gene: D12_25 Start: 29948, Stop: 31156, Start Num: 77
Candidate Starts for D12_25:
(Start: 74 @29942 has 2 MA's), (Start: 77 @29948 has 2 MA's), (97, 29987), (Start: 135 @30062 has 1 MA's), (137, 30065), (157, 30098), (170, 30119), (177, 30131), (181, 30137), (188, 30149), (209, 30188), (210, 30191), (247, 30266), (259, 30287), (303, 30362), (332, 30407), (350, 30437), (369, 30482), (372, 30491), (376, 30497), (379, 30503), (393, 30527), (423, 30572), (432, 30593), (441, 30617), (469, 30692), (473, 30722), (497, 30782), (500, 30794), (506, 30812), (543, 30911), (545, 30914), (594, 31019), (596, 31025), (611, 31091), (614, 31094), (626, 31130),

Gene: DaddyDaniels_33 Start: 32063, Stop: 33223, Start Num: 83
Candidate Starts for DaddyDaniels_33:
(Start: 83 @32063 has 436 MA's), (Start: 135 @32174 has 1 MA's), (161, 32219), (218, 32318), (247, 32378), (267, 32414), (283, 32438), (306, 32483), (311, 32489), (350, 32540), (390, 32579), (391, 32582), (399, 32594), (409, 32609), (424, 32633), (437, 32666), (467, 32747), (497, 32840), (510, 32876), (514, 32885), (517, 32891), (609, 33116),

Gene: Daegal_28 Start: 23665, Stop: 24903, Start Num: 83

Candidate Starts for Daegal_28:
(13, 23053), (14, 23119), (20, 23209), (21, 23212), (28, 23362), (36, 23449), (37, 23452), (59, 23590), (Start: 83 @23665 has 436 MA's), (126, 23761), (138, 23788), (Start: 141 @23794 has 12 MA's), (163, 23833), (167, 23842), (195, 23887), (201, 23899), (220, 23938), (249, 23995), (286, 24061), (306, 24100), (325, 24133), (341, 24154), (345, 24160), (360, 24196), (365, 24208), (367, 24211), (393, 24259), (397, 24265), (399, 24268), (405, 24277), (467, 24415), (497, 24508), (519, 24565), (520, 24571), (553, 24655), (558, 24670), (560, 24673), (591, 24739), (598, 24772),

Gene: Daffy_33 Start: 32094, Stop: 33254, Start Num: 83
Candidate Starts for Daffy_33:
(Start: 83 @32094 has 436 MA's), (Start: 135 @32205 has 1 MA's), (161, 32250), (218, 32349), (247, 32409), (267, 32445), (283, 32469), (306, 32514), (311, 32520), (350, 32571), (390, 32610), (391, 32613), (399, 32625), (424, 32664), (437, 32697), (467, 32778), (480, 32823), (497, 32871), (510, 32907), (514, 32916), (517, 32922), (609, 33147),

Gene: Daisy_33 Start: 32246, Stop: 33448, Start Num: 83
Candidate Starts for Daisy_33:
(Start: 83 @32246 has 436 MA's), (99, 32279), (177, 32423), (183, 32432), (188, 32441), (209, 32480), (214, 32489), (222, 32507), (230, 32525), (237, 32543), (240, 32549), (249, 32561), (259, 32579), (267, 32594), (287, 32627), (303, 32654), (332, 32699), (371, 32780), (386, 32807), (397, 32825), (409, 32843), (432, 32885), (441, 32909), (469, 32984), (473, 33014), (497, 33074), (500, 33086), (506, 33104), (545, 33206), (594, 33311), (596, 33317), (600, 33335), (626, 33422),

Gene: Daka_33 Start: 32368, Stop: 33528, Start Num: 83
Candidate Starts for Daka_33:
(Start: 83 @32368 has 436 MA's), (Start: 135 @32479 has 1 MA's), (161, 32524), (247, 32683), (267, 32719), (283, 32743), (306, 32788), (311, 32794), (350, 32845), (390, 32884), (391, 32887), (399, 32899), (424, 32938), (437, 32971), (467, 33052), (480, 33097), (497, 33145), (510, 33181), (514, 33190), (517, 33196), (609, 33421),

Gene: Damp_30 Start: 37270, Stop: 38172, Start Num: 217
Candidate Starts for Damp_30:
(Start: 217 @37270 has 25 MA's), (293, 37408), (337, 37477), (375, 37525), (422, 37588), (437, 37624), (493, 37792), (597, 38026), (600, 38044), (627, 38149),

Gene: DanSyl44_30 Start: 25030, Stop: 26100, Start Num: 146
Candidate Starts for DanSyl44_30:
(Start: 143 @25027 has 31 MA's), (Start: 146 @25030 has 97 MA's), (272, 25270), (293, 25306), (300, 25315), (303, 25321), (333, 25366), (369, 25411), (377, 25429), (392, 25456), (437, 25537), (461, 25594), (468, 25618),

Gene: Daredevil_37 Start: 34603, Stop: 35670, Start Num: 148
Candidate Starts for Daredevil_37:
(Start: 148 @34603 has 14 MA's), (339, 34948), (372, 34993), (389, 35023), (509, 35314), (511, 35320), (518, 35338), (538, 35404), (540, 35407), (553, 35425), (573, 35473), (632, 35659),

Gene: Dati_33 Start: 32088, Stop: 33248, Start Num: 83
Candidate Starts for Dati_33:
(Start: 83 @32088 has 436 MA's), (Start: 135 @32199 has 1 MA's), (161, 32244), (218, 32343), (247, 32403), (267, 32439), (283, 32463), (306, 32508), (311, 32514), (350, 32565), (390, 32604), (391, 32607), (399, 32619), (424, 32658), (437, 32691), (467, 32772), (497, 32865), (510, 32901), (514, 32910), (517, 32916), (609, 33141),

Gene: DaviePasture_33 Start: 29342, Stop: 30391, Start Num: 143
Candidate Starts for DaviePasture_33:
(Start: 143 @29342 has 31 MA's), (210, 29456), (220, 29477), (258, 29552), (266, 29567), (303, 29630), (430, 29831), (437, 29855), (498, 30026), (580, 30239), (587, 30254), (609, 30299),

Gene: Deenasa_33 Start: 32985, Stop: 34187, Start Num: 83
Candidate Starts for Deenasa_33:
(Start: 83 @32985 has 436 MA's), (99, 33018), (177, 33162), (183, 33171), (188, 33180), (209, 33219), (214, 33228), (222, 33246), (230, 33264), (237, 33282), (240, 33288), (249, 33300), (259, 33318), (267, 33333), (287, 33366), (303, 33393), (332, 33438), (371, 33519), (386, 33546), (397, 33564), (409, 33582), (432, 33624), (441, 33648), (469, 33723), (473, 33753), (497, 33813), (500, 33825), (506, 33843), (545, 33945), (594, 34050), (596, 34056), (600, 34074), (626, 34161),

Gene: DeepSoil15_27 Start: 23371, Stop: 24609, Start Num: 83
Candidate Starts for DeepSoil15_27:
(13, 22759), (14, 22825), (20, 22915), (21, 22918), (28, 23068), (36, 23155), (37, 23158), (59, 23296), (Start: 83 @23371 has 436 MA's), (126, 23467), (138, 23494), (Start: 141 @23500 has 12 MA's), (163, 23539), (167, 23548), (195, 23593), (201, 23605), (220, 23644), (249, 23701), (278, 23752), (286, 23767), (306, 23806), (325, 23839), (341, 23860), (345, 23866), (360, 23902), (365, 23914), (367, 23917), (393, 23965), (397, 23971), (399, 23974), (405, 23983), (467, 24121), (497, 24214), (519, 24271), (520, 24277), (553, 24361), (558, 24376), (560, 24379), (591, 24445), (598, 24478),

Gene: DelRio_28 Start: 24323, Stop: 25387, Start Num: 150
Candidate Starts for DelRio_28:
(Start: 150 @24323 has 30 MA's), (374, 24701), (450, 24842), (457, 24854), (461, 24866), (468, 24890), (492, 24974), (505, 25013), (548, 25121),

Gene: DelRivs_32 Start: 32089, Stop: 33249, Start Num: 83
Candidate Starts for DelRivs_32:
(Start: 83 @32089 has 436 MA's), (Start: 135 @32200 has 1 MA's), (161, 32245), (218, 32344), (247, 32404), (267, 32440), (283, 32464), (306, 32509), (311, 32515), (350, 32566), (390, 32605), (391, 32608), (399, 32620), (424, 32659), (437, 32692), (467, 32773), (480, 32818), (497, 32866), (510, 32902), (514, 32911), (517, 32917), (609, 33142),

Gene: Derpp_32 Start: 31933, Stop: 33093, Start Num: 83
Candidate Starts for Derpp_32:
(Start: 83 @31933 has 436 MA's), (Start: 135 @32044 has 1 MA's), (161, 32089), (218, 32188), (247, 32248), (267, 32284), (283, 32308), (306, 32353), (311, 32359), (350, 32410), (390, 32449), (391, 32452), (399, 32464), (409, 32479), (424, 32503), (437, 32536), (467, 32617), (480, 32662), (497, 32710), (510, 32746), (514, 32755), (517, 32761), (609, 32986),

Gene: Devonte_33 Start: 32210, Stop: 33412, Start Num: 83
Candidate Starts for Devonte_33:
(Start: 83 @32210 has 436 MA's), (99, 32243), (177, 32387), (183, 32396), (188, 32405), (209, 32444), (214, 32453), (222, 32471), (230, 32489), (237, 32507), (240, 32513), (249, 32525), (259, 32543), (267, 32558), (287, 32591), (303, 32618), (332, 32663), (371, 32744), (386, 32771), (397, 32789), (409, 32807), (432, 32849), (441, 32873), (469, 32948), (473, 32978), (497, 33038), (500, 33050), (506, 33068), (545, 33170), (594, 33275), (596, 33281), (600, 33299), (626, 33386),

Gene: Dewey_27 Start: 23371, Stop: 24609, Start Num: 83
Candidate Starts for Dewey_27:
(13, 22759), (14, 22825), (20, 22915), (21, 22918), (28, 23068), (36, 23155), (37, 23158), (59, 23296), (Start: 83 @23371 has 436 MA's), (126, 23467), (138, 23494), (Start: 141 @23500 has 12 MA's), (163,

23539), (167, 23548), (195, 23593), (201, 23605), (220, 23644), (249, 23701), (278, 23752), (286, 23767), (306, 23806), (325, 23839), (341, 23860), (345, 23866), (360, 23902), (365, 23914), (367, 23917), (393, 23965), (397, 23971), (399, 23974), (405, 23983), (467, 24121), (497, 24214), (519, 24271), (520, 24277), (553, 24361), (558, 24376), (560, 24379), (591, 24445), (598, 24478),

Gene: Diabla_32 Start: 37690, Stop: 38598, Start Num: 217
Candidate Starts for Diabla_32:
(Start: 217 @37690 has 25 MA's), (293, 37825), (375, 37942), (422, 38005), (437, 38041), (493, 38209), (627, 38575), (629, 38581),

Gene: Dice_32 Start: 32068, Stop: 33228, Start Num: 83
Candidate Starts for Dice_32:
(Start: 83 @32068 has 436 MA's), (Start: 135 @32179 has 1 MA's), (161, 32224), (218, 32323), (247, 32383), (267, 32419), (283, 32443), (306, 32488), (311, 32494), (350, 32545), (390, 32584), (391, 32587), (399, 32599), (409, 32614), (424, 32638), (437, 32671), (467, 32752), (480, 32797), (497, 32845), (510, 32881), (514, 32890), (517, 32896), (609, 33121),

Gene: DigitDog_32 Start: 32179, Stop: 33684, Start Num: 29
Candidate Starts for DigitDog_32:
(Start: 29 @32179 has 11 MA's), (34, 32218), (48, 32290), (52, 32317), (60, 32368), (63, 32383), (Start: 180 @32635 has 3 MA's), (192, 32665), (201, 32683), (215, 32710), (227, 32737), (283, 32839), (304, 32878), (313, 32893), (350, 32968), (369, 33013), (371, 33019), (376, 33028), (432, 33124), (458, 33190), (469, 33226), (543, 33439), (596, 33550), (631, 33670),

Gene: Diminimus_32 Start: 26991, Stop: 28046, Start Num: 146
Candidate Starts for Diminimus_32:
(Start: 146 @26991 has 97 MA's), (258, 27204), (280, 27240), (317, 27303), (376, 27375), (392, 27405), (406, 27426), (430, 27462), (441, 27498), (461, 27546), (467, 27567), (469, 27573), (473, 27603), (475, 27606), (493, 27654), (576, 27864), (599, 27918),

Gene: Dingo_33 Start: 32351, Stop: 33511, Start Num: 83
Candidate Starts for Dingo_33:
(Start: 83 @32351 has 436 MA's), (Start: 135 @32462 has 1 MA's), (161, 32507), (218, 32606), (247, 32666), (267, 32702), (283, 32726), (306, 32771), (311, 32777), (350, 32828), (390, 32867), (391, 32870), (399, 32882), (409, 32897), (424, 32921), (437, 32954), (467, 33035), (480, 33080), (497, 33128), (510, 33164), (514, 33173), (517, 33179), (609, 33404),

Gene: Dione_32 Start: 32073, Stop: 33233, Start Num: 83
Candidate Starts for Dione_32:
(Start: 83 @32073 has 436 MA's), (Start: 135 @32184 has 1 MA's), (161, 32229), (218, 32328), (247, 32388), (267, 32424), (283, 32448), (306, 32493), (311, 32499), (350, 32550), (390, 32589), (391, 32592), (399, 32604), (409, 32619), (424, 32643), (437, 32676), (467, 32757), (480, 32802), (497, 32850), (510, 32886), (514, 32895), (517, 32901), (609, 33126),

Gene: DirkDirk_21 Start: 21671, Stop: 22843, Start Num: 91
Candidate Starts for DirkDirk_21:
(Start: 89 @21668 has 7 MA's), (Start: 91 @21671 has 34 MA's), (Start: 149 @21797 has 1 MA's), (173, 21839), (177, 21851), (Start: 180 @21854 has 3 MA's), (201, 21887), (206, 21899), (230, 21947), (237, 21965), (259, 22001), (267, 22016), (298, 22067), (315, 22097), (334, 22139), (352, 22163), (401, 22199), (405, 22205), (423, 22232), (432, 22250), (469, 22343), (470, 22346), (494, 22430), (547, 22568), (557, 22586), (593, 22670),

Gene: DirtJuice_33 Start: 32357, Stop: 33517, Start Num: 83

Candidate Starts for DirtJuice_33:
(Start: 83 @32357 has 436 MA's), (Start: 135 @32468 has 1 MA's), (161, 32513), (218, 32612), (247, 32672), (267, 32708), (283, 32732), (306, 32777), (311, 32783), (350, 32834), (390, 32873), (391, 32876), (399, 32888), (409, 32903), (424, 32927), (437, 32960), (467, 33041), (480, 33086), (497, 33134), (510, 33170), (514, 33179), (517, 33185), (609, 33410),

Gene: Doddsville_33 Start: 32087, Stop: 33247, Start Num: 83
Candidate Starts for Doddsville_33:
(Start: 83 @32087 has 436 MA's), (Start: 135 @32198 has 1 MA's), (161, 32243), (218, 32342), (247, 32402), (267, 32438), (283, 32462), (306, 32507), (311, 32513), (350, 32564), (390, 32603), (391, 32606), (399, 32618), (424, 32657), (437, 32690), (467, 32771), (497, 32864), (510, 32900), (514, 32909), (517, 32915), (609, 33140),

Gene: DoesntMatter_33 Start: 32360, Stop: 33520, Start Num: 83
Candidate Starts for DoesntMatter_33:
(Start: 83 @32360 has 436 MA's), (Start: 135 @32471 has 1 MA's), (161, 32516), (218, 32615), (247, 32675), (267, 32711), (283, 32735), (306, 32780), (311, 32786), (350, 32837), (390, 32876), (391, 32879), (399, 32891), (424, 32930), (437, 32963), (467, 33044), (480, 33089), (497, 33137), (510, 33173), (514, 33182), (517, 33188), (609, 33413),

Gene: Dogfish_30 Start: 26617, Stop: 27699, Start Num: 148
Candidate Starts for Dogfish_30:
(Start: 148 @26617 has 14 MA's), (258, 26827), (303, 26905), (330, 26959), (367, 27004), (400, 27061), (404, 27067), (437, 27130), (461, 27187), (465, 27202), (500, 27319),

Gene: DolOn_34 Start: 32597, Stop: 33757, Start Num: 83
Candidate Starts for DolOn_34:
(Start: 83 @32597 has 436 MA's), (Start: 135 @32708 has 1 MA's), (161, 32753), (218, 32852), (247, 32912), (267, 32948), (283, 32972), (306, 33017), (311, 33023), (350, 33074), (390, 33113), (391, 33116), (399, 33128), (424, 33167), (437, 33200), (467, 33281), (480, 33326), (497, 33374), (510, 33410), (514, 33419), (517, 33425), (609, 33650),

Gene: DonSanchon_32 Start: 32067, Stop: 33227, Start Num: 83
Candidate Starts for DonSanchon_32:
(Start: 83 @32067 has 436 MA's), (Start: 135 @32178 has 1 MA's), (161, 32223), (218, 32322), (247, 32382), (267, 32418), (283, 32442), (306, 32487), (311, 32493), (350, 32544), (390, 32583), (391, 32586), (399, 32598), (424, 32637), (437, 32670), (467, 32751), (480, 32796), (497, 32844), (510, 32880), (514, 32889), (517, 32895), (609, 33120),

Gene: Donny_32 Start: 32591, Stop: 34096, Start Num: 29
Candidate Starts for Donny_32:
(Start: 29 @32591 has 11 MA's), (30, 32609), (34, 32630), (42, 32684), (57, 32762), (60, 32780), (63, 32795), (65, 32807), (177, 33044), (201, 33095), (215, 33122), (227, 33149), (273, 33236), (283, 33251), (304, 33290), (350, 33380), (376, 33440), (442, 33563), (458, 33602), (469, 33638), (596, 33962), (631, 34082),

Gene: Donovan_22 Start: 21288, Stop: 22325, Start Num: 146
Candidate Starts for Donovan_22:
(Start: 131 @21264 has 18 MA's), (Start: 143 @21285 has 31 MA's), (Start: 146 @21288 has 97 MA's), (162, 21312), (232, 21450), (254, 21492), (293, 21561), (333, 21621), (369, 21666), (392, 21711), (437, 21792), (461, 21849), (468, 21873), (500, 21978), (525, 22050), (540, 22095), (616, 22260),

Gene: DoobyDoo_32 Start: 28492, Stop: 29541, Start Num: 143
Candidate Starts for DoobyDoo_32:
(Start: 143 @28492 has 31 MA's), (191, 28567), (210, 28606), (220, 28627), (258, 28702), (266, 28717), (303, 28780), (333, 28840), (404, 28942), (498, 29176), (587, 29404),

Gene: Dori_29 Start: 28828, Stop: 29994, Start Num: 79
Candidate Starts for Dori_29:
(Start: 79 @28828 has 10 MA's), (Start: 83 @28834 has 436 MA's), (Start: 89 @28846 has 7 MA's), (100, 28870), (102, 28873), (114, 28903), (Start: 135 @28948 has 1 MA's), (161, 28993), (163, 28996), (267, 29188), (283, 29212), (285, 29218), (304, 29251), (306, 29257), (311, 29263), (313, 29266), (350, 29314), (405, 29377), (407, 29380), (428, 29413), (458, 29488), (467, 29518), (506, 29641), (511, 29650), (514, 29656),

Gene: DoubleChamp_27 Start: 24040, Stop: 25104, Start Num: 146
Candidate Starts for DoubleChamp_27:
(Start: 146 @24040 has 97 MA's), (197, 24130), (210, 24157), (238, 24220), (264, 24268), (289, 24307), (302, 24325), (323, 24370), (366, 24409), (392, 24457), (404, 24475), (441, 24550), (468, 24616), (494, 24706), (495, 24709), (497, 24712), (508, 24745), (542, 24844), (544, 24847), (581, 24931), (587, 24943), (624, 25060),

Gene: Douge_21 Start: 21469, Stop: 22554, Start Num: 105
Candidate Starts for Douge_21:
(Start: 105 @21469 has 6 MA's), (151, 21547), (247, 21721), (271, 21760), (295, 21799), (315, 21832), (398, 21910), (421, 21943), (485, 22105), (572, 22339), (584, 22372), (594, 22396), (609, 22441),

Gene: Douzhi_21 Start: 21427, Stop: 22581, Start Num: 91
Candidate Starts for Douzhi_21:
(Start: 91 @21427 has 34 MA's), (133, 21529), (140, 21541), (Start: 180 @21610 has 3 MA's), (230, 21703), (259, 21757), (275, 21787), (283, 21796), (304, 21835), (327, 21883), (342, 21907), (350, 21919), (393, 21943), (444, 22033), (486, 22150), (493, 22186), (497, 22195), (518, 22252), (529, 22291),

Gene: DrLupo_39 Start: 30258, Stop: 31286, Start Num: 153
Candidate Starts for DrLupo_39:
(Start: 153 @30258 has 2 MA's), (225, 30393), (284, 30486), (369, 30609), (455, 30771), (460, 30786), (463, 30798), (497, 30900), (511, 30939), (546, 31032), (580, 31113), (587, 31128), (629, 31266),

Gene: DuchessDung_31 Start: 31224, Stop: 32384, Start Num: 83
Candidate Starts for DuchessDung_31:
(Start: 83 @31224 has 436 MA's), (Start: 135 @31335 has 1 MA's), (161, 31380), (218, 31479), (247, 31539), (267, 31575), (283, 31599), (306, 31644), (311, 31650), (350, 31701), (390, 31740), (391, 31743), (399, 31755), (424, 31794), (437, 31827), (467, 31908), (497, 32001), (510, 32037), (514, 32046), (517, 32052), (609, 32277),

Gene: Duggie_32 Start: 32089, Stop: 33249, Start Num: 83
Candidate Starts for Duggie_32:
(Start: 83 @32089 has 436 MA's), (Start: 135 @32200 has 1 MA's), (161, 32245), (218, 32344), (247, 32404), (267, 32440), (283, 32464), (306, 32509), (311, 32515), (350, 32566), (390, 32605), (391, 32608), (399, 32620), (409, 32635), (424, 32659), (437, 32692), (467, 32773), (480, 32818), (497, 32866), (510, 32902), (514, 32911), (517, 32917), (609, 33142),

Gene: Dulcita_32 Start: 26991, Stop: 28046, Start Num: 146
Candidate Starts for Dulcita_32:

(Start: 146 @26991 has 97 MA's), (258, 27204), (280, 27240), (317, 27303), (376, 27375), (392, 27405), (406, 27426), (430, 27462), (441, 27498), (461, 27546), (467, 27567), (469, 27573), (473, 27603), (475, 27606), (493, 27654), (576, 27864), (599, 27918),

Gene: DumpsterDude_23 Start: 21990, Stop: 23072, Start Num: 146
Candidate Starts for DumpsterDude_23:
(88, 21855), (Start: 146 @21990 has 97 MA's), (189, 22062), (258, 22200), (275, 22230), (333, 22338), (369, 22380), (400, 22434), (461, 22560),

Gene: DuncansLeg_22 Start: 22232, Stop: 23449, Start Num: 91
Candidate Starts for DuncansLeg_22:
(Start: 91 @22232 has 34 MA's), (101, 22259), (133, 22334), (140, 22346), (Start: 152 @22364 has 1 MA's), (177, 22412), (201, 22448), (209, 22463), (211, 22469), (225, 22499), (227, 22502), (230, 22508), (250, 22550), (272, 22586), (283, 22601), (284, 22604), (285, 22607), (287, 22610), (342, 22712), (350, 22724), (377, 22781), (379, 22784), (393, 22808), (432, 22868), (473, 22997), (614, 23375), (619, 23381),

Gene: Duplicity_22 Start: 20223, Stop: 21437, Start Num: 131
Candidate Starts for Duplicity_22:
(38, 19893), (75, 20091), (Start: 130 @20220 has 6 MA's), (Start: 131 @20223 has 18 MA's), (268, 20484), (358, 20655), (439, 20805), (453, 20844), (488, 20946), (497, 20988), (619, 21360),

Gene: Durga_33 Start: 32387, Stop: 33547, Start Num: 83
Candidate Starts for Durga_33:
(Start: 83 @32387 has 436 MA's), (Start: 135 @32498 has 1 MA's), (161, 32543), (218, 32642), (247, 32702), (267, 32738), (283, 32762), (306, 32807), (311, 32813), (350, 32864), (390, 32903), (391, 32906), (399, 32918), (409, 32933), (424, 32957), (437, 32990), (467, 33071), (480, 33116), (497, 33164), (510, 33200), (514, 33209), (517, 33215), (609, 33440),

Gene: Dynamo_22 Start: 21688, Stop: 22722, Start Num: 141
Candidate Starts for Dynamo_22:
(Start: 141 @21688 has 12 MA's), (230, 21844), (232, 21850), (291, 21958), (293, 21961), (303, 21976), (369, 22063), (392, 22108), (437, 22189), (461, 22246), (468, 22270), (500, 22375), (525, 22447), (540, 22492),

Gene: DyoEdafos_22 Start: 21679, Stop: 22761, Start Num: 105
Candidate Starts for DyoEdafos_22:
(Start: 105 @21679 has 6 MA's), (247, 21931), (271, 21970), (276, 21979), (279, 21982), (295, 22009), (301, 22018), (315, 22042), (353, 22096), (354, 22099), (421, 22153), (470, 22273), (476, 22306), (478, 22309), (500, 22369), (517, 22408), (521, 22423), (563, 22534), (584, 22582),

Gene: EGUnicorn_22 Start: 20223, Stop: 21437, Start Num: 131
Candidate Starts for EGUnicorn_22:
(38, 19893), (75, 20091), (Start: 130 @20220 has 6 MA's), (Start: 131 @20223 has 18 MA's), (268, 20484), (358, 20655), (439, 20805), (453, 20844), (488, 20946), (497, 20988), (619, 21360),

Gene: Eaglehorse_33 Start: 32724, Stop: 33887, Start Num: 83
Candidate Starts for Eaglehorse_33:
(46, 32577), (Start: 79 @32718 has 10 MA's), (Start: 83 @32724 has 436 MA's), (102, 32763), (114, 32793), (Start: 135 @32838 has 1 MA's), (161, 32883), (218, 32982), (247, 33042), (267, 33078), (283, 33102), (306, 33147), (311, 33153), (350, 33204), (390, 33243), (391, 33246), (399, 33258), (409, 33273), (424, 33297), (437, 33330), (467, 33411), (480, 33456), (497, 33504), (510, 33540), (514, 33549), (517, 33555), (609, 33780),

Gene: EastView9101_31 Start: 32241, Stop: 33746, Start Num: 29
Candidate Starts for EastView9101_31:
(Start: 29 @32241 has 11 MA's), (30, 32259), (34, 32280), (42, 32334), (57, 32412), (60, 32430), (63, 32445), (65, 32457), (177, 32694), (201, 32745), (215, 32772), (227, 32799), (273, 32886), (283, 32901), (304, 32940), (350, 33030), (376, 33090), (442, 33213), (458, 33252), (469, 33288), (596, 33612), (631, 33732),

Gene: Edugator_27 Start: 24010, Stop: 25074, Start Num: 146
Candidate Starts for Edugator_27:
(Start: 146 @24010 has 97 MA's), (197, 24100), (211, 24130), (236, 24184), (238, 24190), (264, 24238), (289, 24277), (302, 24295), (303, 24298), (366, 24379), (392, 24427), (404, 24445), (468, 24586), (494, 24676), (495, 24679), (497, 24682), (508, 24715), (514, 24727), (542, 24814), (544, 24817), (624, 25030),

Gene: Ein37_27 Start: 23371, Stop: 24609, Start Num: 83
Candidate Starts for Ein37_27:
(13, 22759), (14, 22825), (20, 22915), (21, 22918), (28, 23068), (36, 23155), (37, 23158), (59, 23296), (Start: 83 @23371 has 436 MA's), (126, 23467), (138, 23494), (Start: 141 @23500 has 12 MA's), (163, 23539), (167, 23548), (195, 23593), (201, 23605), (220, 23644), (249, 23701), (278, 23752), (286, 23767), (306, 23806), (325, 23839), (341, 23860), (345, 23866), (360, 23902), (365, 23914), (367, 23917), (393, 23965), (397, 23971), (399, 23974), (405, 23983), (467, 24121), (497, 24214), (519, 24271), (520, 24277), (553, 24361), (558, 24376), (560, 24379), (591, 24445), (598, 24478),

Gene: Ellson_22 Start: 22237, Stop: 23436, Start Num: 91
Candidate Starts for Ellson_22:
(Start: 91 @22237 has 34 MA's), (133, 22339), (Start: 152 @22369 has 1 MA's), (157, 22378), (177, 22417), (184, 22429), (209, 22468), (225, 22504), (230, 22513), (247, 22549), (275, 22597), (350, 22729), (354, 22735), (432, 22873), (473, 23002), (494, 23056), (500, 23074), (580, 23266), (618, 23374),

Gene: ElvisPhasley_33 Start: 32409, Stop: 33569, Start Num: 83
Candidate Starts for ElvisPhasley_33:
(Start: 83 @32409 has 436 MA's), (Start: 135 @32520 has 1 MA's), (161, 32565), (218, 32664), (247, 32724), (267, 32760), (283, 32784), (306, 32829), (311, 32835), (350, 32886), (390, 32925), (391, 32928), (399, 32940), (409, 32955), (424, 32979), (437, 33012), (467, 33093), (480, 33138), (497, 33186), (510, 33222), (514, 33231), (517, 33237), (609, 33462),

Gene: EmGer13_32 Start: 31928, Stop: 33088, Start Num: 83
Candidate Starts for EmGer13_32:
(Start: 83 @31928 has 436 MA's), (Start: 135 @32039 has 1 MA's), (161, 32084), (218, 32183), (247, 32243), (267, 32279), (283, 32303), (306, 32348), (311, 32354), (350, 32405), (390, 32444), (391, 32447), (399, 32459), (424, 32498), (437, 32531), (467, 32612), (480, 32657), (497, 32705), (510, 32741), (514, 32750), (517, 32756), (609, 32981),

Gene: Emiris_33 Start: 32358, Stop: 33518, Start Num: 83
Candidate Starts for Emiris_33:
(Start: 83 @32358 has 436 MA's), (Start: 135 @32469 has 1 MA's), (161, 32514), (218, 32613), (247, 32673), (267, 32709), (283, 32733), (306, 32778), (311, 32784), (350, 32835), (390, 32874), (391, 32877), (399, 32889), (409, 32904), (424, 32928), (437, 32961), (467, 33042), (480, 33087), (497, 33135), (510, 33171), (514, 33180), (517, 33186), (609, 33411),

Gene: EmpTee_33 Start: 32367, Stop: 33527, Start Num: 83

Candidate Starts for EmpTee_33:
(Start: 83 @32367 has 436 MA's), (Start: 135 @32478 has 1 MA's), (161, 32523), (218, 32622), (247, 32682), (267, 32718), (283, 32742), (306, 32787), (311, 32793), (350, 32844), (390, 32883), (391, 32886), (399, 32898), (424, 32937), (437, 32970), (467, 33051), (480, 33096), (497, 33144), (510, 33180), (514, 33189), (517, 33195), (609, 33420),

Gene: Enceladus_21 Start: 21672, Stop: 22844, Start Num: 91
Candidate Starts for Enceladus_21:
(Start: 89 @21669 has 7 MA's), (Start: 91 @21672 has 34 MA's), (Start: 149 @21798 has 1 MA's), (173, 21840), (177, 21852), (Start: 180 @21855 has 3 MA's), (201, 21888), (206, 21900), (230, 21948), (237, 21966), (259, 22002), (267, 22017), (298, 22068), (315, 22098), (334, 22140), (352, 22164), (401, 22200), (405, 22206), (423, 22233), (432, 22251), (469, 22344), (470, 22347), (494, 22431), (547, 22569), (557, 22587), (593, 22671),

Gene: Ennea_51 Start: 36974, Stop: 38035, Start Num: 150
Candidate Starts for Ennea_51:
(Start: 150 @36974 has 30 MA's), (246, 37160), (366, 37346), (368, 37349), (469, 37559),

Gene: Epah_29 Start: 31578, Stop: 32735, Start Num: 83
Candidate Starts for Epah_29:
(Start: 83 @31578 has 436 MA's), (Start: 128 @31671 has 1 MA's), (Start: 135 @31686 has 1 MA's), (Start: 143 @31701 has 31 MA's), (Start: 152 @31713 has 1 MA's), (161, 31731), (214, 31821), (236, 31872), (240, 31881), (245, 31887), (253, 31899), (267, 31926), (275, 31941), (280, 31947), (283, 31953), (303, 31986), (306, 31995), (324, 32028), (350, 32061), (429, 32151), (432, 32157), (468, 32256), (469, 32259), (517, 32403), (578, 32556),

Gene: Eponine_29 Start: 24914, Stop: 25987, Start Num: 143
Candidate Starts for Eponine_29:
(Start: 143 @24914 has 31 MA's), (Start: 146 @24917 has 97 MA's), (272, 25157), (293, 25193), (300, 25202), (303, 25208), (333, 25253), (369, 25298), (377, 25316), (392, 25343), (437, 25424), (461, 25481), (468, 25505),

Gene: Eremos_33 Start: 32366, Stop: 33526, Start Num: 83
Candidate Starts for Eremos_33:
(Start: 83 @32366 has 436 MA's), (161, 32522), (218, 32621), (247, 32681), (267, 32717), (283, 32741), (306, 32786), (311, 32792), (350, 32843), (390, 32882), (391, 32885), (399, 32897), (424, 32936), (437, 32969), (467, 33050), (480, 33095), (497, 33143), (510, 33179), (514, 33188), (517, 33194), (609, 33419),

Gene: Erutan_33 Start: 29002, Stop: 30048, Start Num: 143
Candidate Starts for Erutan_33:
(Start: 143 @29002 has 31 MA's), (210, 29116), (220, 29137), (258, 29212), (266, 29227), (303, 29290), (437, 29515), (498, 29686), (516, 29731), (587, 29914),

Gene: Estes_36 Start: 28017, Stop: 29099, Start Num: 106
Candidate Starts for Estes_36:
(104, 28011), (Start: 106 @28017 has 6 MA's), (145, 28092), (176, 28137), (Start: 178 @28143 has 14 MA's), (182, 28149), (196, 28167), (220, 28212), (229, 28227), (235, 28242), (249, 28266), (261, 28287), (293, 28341), (299, 28347), (315, 28377), (427, 28521),

Gene: Etaye_33 Start: 32357, Stop: 33517, Start Num: 83
Candidate Starts for Etaye_33:

(Start: 83 @32357 has 436 MA's), (Start: 135 @32468 has 1 MA's), (161, 32513), (218, 32612), (247, 32672), (267, 32708), (283, 32732), (306, 32777), (311, 32783), (350, 32834), (390, 32873), (391, 32876), (399, 32888), (409, 32903), (424, 32927), (437, 32960), (467, 33041), (480, 33086), (497, 33134), (510, 33170), (514, 33179), (517, 33185), (609, 33410),

Gene: Etoile_22 Start: 21299, Stop: 22336, Start Num: 146
Candidate Starts for Etoile_22:
(Start: 131 @21275 has 18 MA's), (Start: 143 @21296 has 31 MA's), (Start: 146 @21299 has 97 MA's), (162, 21323), (232, 21461), (254, 21503), (293, 21572), (333, 21632), (369, 21677), (392, 21722), (437, 21803), (461, 21860), (468, 21884), (500, 21989), (525, 22061), (540, 22106), (616, 22271),

Gene: Eugenia_33 Start: 32376, Stop: 33536, Start Num: 83
Candidate Starts for Eugenia_33:
(Start: 83 @32376 has 436 MA's), (Start: 135 @32487 has 1 MA's), (161, 32532), (218, 32631), (247, 32691), (267, 32727), (283, 32751), (306, 32796), (311, 32802), (350, 32853), (390, 32892), (391, 32895), (399, 32907), (409, 32922), (424, 32946), (437, 32979), (467, 33060), (480, 33105), (497, 33153), (510, 33189), (514, 33198), (517, 33204), (609, 33429),

Gene: Evanesce_27 Start: 23371, Stop: 24609, Start Num: 83
Candidate Starts for Evanesce_27:
(13, 22759), (14, 22825), (20, 22915), (21, 22918), (28, 23068), (36, 23155), (37, 23158), (59, 23296), (Start: 83 @23371 has 436 MA's), (126, 23467), (138, 23494), (Start: 141 @23500 has 12 MA's), (163, 23539), (167, 23548), (195, 23593), (201, 23605), (220, 23644), (249, 23701), (278, 23752), (286, 23767), (306, 23806), (325, 23839), (341, 23860), (345, 23866), (360, 23902), (365, 23914), (367, 23917), (393, 23965), (397, 23971), (399, 23974), (405, 23983), (467, 24121), (497, 24214), (519, 24271), (520, 24277), (553, 24361), (558, 24376), (560, 24379), (591, 24445), (598, 24478),

Gene: EvilGenius_34 Start: 25671, Stop: 26591, Start Num: 90
Candidate Starts for EvilGenius_34:
(Start: 90 @25671 has 2 MA's), (137, 25779), (198, 25881), (209, 25902), (237, 25965), (314, 26097), (461, 26379), (514, 26529), (532, 26586),

Gene: Ewald_30 Start: 26639, Stop: 27724, Start Num: 146
Candidate Starts for Ewald_30:
(88, 26504), (Start: 146 @26639 has 97 MA's), (205, 26744), (215, 26762), (258, 26849), (385, 27062), (394, 27077), (416, 27104), (425, 27119), (461, 27212), (465, 27227), (483, 27284), (500, 27344), (514, 27377),

Gene: FF47_25 Start: 21654, Stop: 22679, Start Num: 142
Candidate Starts for FF47_25:
(Start: 142 @21654 has 2 MA's), (194, 21744), (231, 21813), (234, 21822), (280, 21900), (317, 21963), (319, 21966), (425, 22110), (437, 22146), (475, 22254), (570, 22491), (617, 22617),

Gene: Faiyaz_28 Start: 26025, Stop: 27062, Start Num: 146
Candidate Starts for Faiyaz_28:
(Start: 146 @26025 has 97 MA's), (214, 26148), (238, 26202), (258, 26238), (300, 26301), (333, 26349), (374, 26403), (376, 26406), (467, 26592), (473, 26628), (490, 26670), (497, 26688), (517, 26739),

Gene: Fanaw_29 Start: 32276, Stop: 33433, Start Num: 83
Candidate Starts for Fanaw_29:

(Start: 83 @32276 has 436 MA's), (Start: 128 @32369 has 1 MA's), (Start: 135 @32384 has 1 MA's), (Start: 143 @32399 has 31 MA's), (Start: 152 @32411 has 1 MA's), (161, 32429), (188, 32471), (236, 32570), (240, 32579), (253, 32597), (267, 32624), (275, 32639), (280, 32645), (283, 32651), (285, 32657), (303, 32684), (306, 32693), (324, 32726), (350, 32759), (429, 32849), (432, 32855), (449, 32900), (468, 32954), (469, 32957), (517, 33101), (578, 33254),

Gene: Fang_33 Start: 32380, Stop: 33540, Start Num: 83
Candidate Starts for Fang_33:
(Start: 83 @32380 has 436 MA's), (Start: 135 @32491 has 1 MA's), (161, 32536), (218, 32635), (247, 32695), (267, 32731), (283, 32755), (306, 32800), (311, 32806), (350, 32857), (390, 32896), (391, 32899), (399, 32911), (409, 32926), (424, 32950), (437, 32983), (467, 33064), (480, 33109), (497, 33157), (510, 33193), (514, 33202), (517, 33208), (609, 33433),

Gene: Farewell_21 Start: 21884, Stop: 22930, Start Num: 146
Candidate Starts for Farewell_21:
(Start: 146 @21884 has 97 MA's), (247, 22076), (258, 22097), (333, 22208), (369, 22250), (370, 22253), (467, 22454), (473, 22490), (516, 22598), (576, 22751), (579, 22760), (583, 22772),

Gene: FarmResident_21 Start: 21591, Stop: 22598, Start Num: 151
Candidate Starts for FarmResident_21:
(Start: 105 @21513 has 6 MA's), (151, 21591), (247, 21765), (271, 21804), (295, 21843), (312, 21873), (315, 21876), (398, 21954), (421, 21987), (485, 22149), (572, 22383), (584, 22416), (594, 22440), (609, 22485),

Gene: Faze9_33 Start: 32820, Stop: 33983, Start Num: 83
Candidate Starts for Faze9_33:
(Start: 79 @32814 has 10 MA's), (Start: 83 @32820 has 436 MA's), (102, 32859), (114, 32889), (Start: 135 @32934 has 1 MA's), (161, 32979), (218, 33078), (247, 33138), (267, 33174), (283, 33198), (306, 33243), (311, 33249), (350, 33300), (390, 33339), (391, 33342), (399, 33354), (409, 33369), (424, 33393), (437, 33426), (467, 33507), (480, 33552), (497, 33600), (510, 33636), (514, 33645), (517, 33651), (609, 33876),

Gene: FelixAlejandro_34 Start: 38037, Stop: 38939, Start Num: 217
Candidate Starts for FelixAlejandro_34:
(Start: 217 @38037 has 25 MA's), (293, 38172), (311, 38205), (350, 38256), (375, 38283), (437, 38382), (468, 38463), (487, 38517), (576, 38754), (620, 38880), (629, 38922),

Gene: Feyre_27 Start: 23851, Stop: 24918, Start Num: 146
Candidate Starts for Feyre_27:
(Start: 146 @23851 has 97 MA's), (210, 23968), (260, 24073), (264, 24079), (303, 24139), (309, 24154), (323, 24181), (366, 24220), (369, 24223), (374, 24235), (376, 24238), (377, 24241), (385, 24256), (416, 24301), (420, 24307), (441, 24361), (461, 24409), (470, 24439), (484, 24484), (546, 24667),

Gene: Finnry_22 Start: 22251, Stop: 23468, Start Num: 91
Candidate Starts for Finnry_22:
(Start: 91 @22251 has 34 MA's), (133, 22353), (140, 22365), (Start: 152 @22383 has 1 MA's), (157, 22392), (177, 22431), (201, 22467), (209, 22482), (211, 22488), (225, 22518), (227, 22521), (244, 22557), (250, 22569), (283, 22620), (284, 22623), (318, 22683), (329, 22710), (337, 22725), (342, 22731), (350, 22743), (379, 22803), (393, 22827), (432, 22887), (468, 22983), (473, 23016), (500, 23088), (510, 23112), (517, 23127), (606, 23340), (609, 23352),

Gene: Fionnbharth_29 Start: 24586, Stop: 25590, Start Num: 178

Candidate Starts for Fionnbharth_29:
(Start: 178 @24586 has 14 MA's), (219, 24655), (275, 24754), (304, 24799), (306, 24805), (341, 24859), (347, 24868), (362, 24904), (385, 24949), (399, 24970), (403, 24976), (405, 24979), (467, 25111), (468, 25114), (506, 25237), (517, 25258), (616, 25525),

Gene: FirstPlacePfu_22 Start: 21299, Stop: 22336, Start Num: 146
Candidate Starts for FirstPlacePfu_22:
(Start: 131 @21275 has 18 MA's), (Start: 143 @21296 has 31 MA's), (Start: 146 @21299 has 97 MA's), (162, 21323), (232, 21461), (254, 21503), (293, 21572), (333, 21632), (369, 21677), (392, 21722), (437, 21803), (461, 21860), (468, 21884), (500, 21989), (525, 22061), (540, 22106), (616, 22271),

Gene: Fishburne_22 Start: 21299, Stop: 22336, Start Num: 146
Candidate Starts for Fishburne_22:
(Start: 131 @21275 has 18 MA's), (Start: 143 @21296 has 31 MA's), (Start: 146 @21299 has 97 MA's), (162, 21323), (232, 21461), (254, 21503), (293, 21572), (333, 21632), (369, 21677), (392, 21722), (437, 21803), (461, 21860), (468, 21884), (500, 21989), (525, 22061), (540, 22106), (616, 22271),

Gene: FlagStaff_23 Start: 23102, Stop: 24469, Start Num: 103
Candidate Starts for FlagStaff_23:
(93, 23078), (Start: 103 @23102 has 6 MA's), (169, 23225), (183, 23252), (202, 23282), (218, 23312), (240, 23363), (267, 23408), (269, 23411), (284, 23438), (303, 23471), (403, 23597), (446, 23687), (524, 23924), (543, 23969), (548, 23978), (584, 24044),

Gene: Flake_33 Start: 32422, Stop: 33582, Start Num: 83
Candidate Starts for Flake_33:
(Start: 83 @32422 has 436 MA's), (Start: 135 @32533 has 1 MA's), (161, 32578), (218, 32677), (247, 32737), (267, 32773), (283, 32797), (306, 32842), (311, 32848), (350, 32899), (390, 32938), (391, 32941), (399, 32953), (424, 32992), (437, 33025), (467, 33106), (480, 33151), (497, 33199), (510, 33235), (514, 33244), (517, 33250), (609, 33475),

Gene: FleetyMac_33 Start: 32375, Stop: 33535, Start Num: 83
Candidate Starts for FleetyMac_33:
(Start: 83 @32375 has 436 MA's), (Start: 135 @32486 has 1 MA's), (161, 32531), (218, 32630), (247, 32690), (267, 32726), (283, 32750), (306, 32795), (311, 32801), (350, 32852), (390, 32891), (391, 32894), (399, 32906), (424, 32945), (437, 32978), (467, 33059), (480, 33104), (497, 33152), (510, 33188), (514, 33197), (517, 33203), (609, 33428),

Gene: Float294_47 Start: 36416, Stop: 37477, Start Num: 150
Candidate Starts for Float294_47:
(Start: 150 @36416 has 30 MA's), (246, 36602), (366, 36788), (368, 36791), (469, 37001), (598, 37340), (616, 37406),

Gene: FluffyNinja_33 Start: 32373, Stop: 33533, Start Num: 83
Candidate Starts for FluffyNinja_33:
(Start: 83 @32373 has 436 MA's), (Start: 135 @32484 has 1 MA's), (161, 32529), (218, 32628), (247, 32688), (267, 32724), (283, 32748), (306, 32793), (311, 32799), (350, 32850), (390, 32889), (391, 32892), (399, 32904), (409, 32919), (424, 32943), (437, 32976), (467, 33057), (480, 33102), (497, 33150), (510, 33186), (514, 33195), (517, 33201), (609, 33426),

Gene: ForDig_27 Start: 30056, Stop: 31282, Start Num: 83
Candidate Starts for ForDig_27:

(Start: 83 @30056 has 436 MA's), (102, 30095), (121, 30137), (125, 30146), (127, 30149), (Start: 135 @30170 has 1 MA's), (161, 30215), (199, 30275), (209, 30296), (210, 30299), (236, 30356), (267, 30410), (269, 30413), (272, 30419), (293, 30458), (306, 30482), (348, 30536), (353, 30542), (372, 30548), (387, 30575), (393, 30584), (429, 30629), (460, 30707), (508, 30842), (522, 30878), (564, 30968), (603, 31028), (613, 31082), (630, 31136),

Gene: Forge_27 Start: 23371, Stop: 24609, Start Num: 83
Candidate Starts for Forge_27:
(13, 22759), (14, 22825), (20, 22915), (21, 22918), (28, 23068), (36, 23155), (37, 23158), (59, 23296), (Start: 83 @23371 has 436 MA's), (126, 23467), (138, 23494), (Start: 141 @23500 has 12 MA's), (163, 23539), (195, 23593), (201, 23605), (220, 23644), (249, 23701), (278, 23752), (286, 23767), (306, 23806), (325, 23839), (341, 23860), (345, 23866), (360, 23902), (365, 23914), (367, 23917), (393, 23965), (397, 23971), (399, 23974), (405, 23983), (467, 24121), (497, 24214), (519, 24271), (520, 24277), (553, 24361), (558, 24376), (560, 24379), (591, 24445), (598, 24478),

Gene: Fortunato_30 Start: 32604, Stop: 33761, Start Num: 83
Candidate Starts for Fortunato_30:
(Start: 83 @32604 has 436 MA's), (Start: 128 @32697 has 1 MA's), (Start: 135 @32712 has 1 MA's), (Start: 143 @32727 has 31 MA's), (Start: 152 @32739 has 1 MA's), (161, 32757), (188, 32799), (236, 32898), (240, 32907), (253, 32925), (267, 32952), (275, 32967), (280, 32973), (283, 32979), (285, 32985), (303, 33012), (306, 33021), (324, 33054), (350, 33087), (429, 33177), (432, 33183), (458, 33249), (467, 33279), (468, 33282), (517, 33429), (578, 33582),

Gene: Fozzie_32 Start: 32389, Stop: 33549, Start Num: 83
Candidate Starts for Fozzie_32:
(Start: 83 @32389 has 436 MA's), (Start: 135 @32500 has 1 MA's), (161, 32545), (218, 32644), (247, 32704), (267, 32740), (283, 32764), (306, 32809), (311, 32815), (350, 32866), (390, 32905), (391, 32908), (399, 32920), (409, 32935), (424, 32959), (437, 32992), (467, 33073), (480, 33118), (497, 33166), (510, 33202), (514, 33211), (517, 33217), (609, 33442),

Gene: Francois_27 Start: 23338, Stop: 24405, Start Num: 150
Candidate Starts for Francois_27:
(Start: 150 @23338 has 30 MA's), (374, 23716), (450, 23857), (461, 23884), (468, 23908), (492, 23992), (548, 24139),

Gene: Frankicide_33 Start: 32385, Stop: 33545, Start Num: 83
Candidate Starts for Frankicide_33:
(Start: 83 @32385 has 436 MA's), (Start: 135 @32496 has 1 MA's), (161, 32541), (218, 32640), (247, 32700), (267, 32736), (283, 32760), (306, 32805), (311, 32811), (350, 32862), (390, 32901), (391, 32904), (399, 32916), (409, 32931), (424, 32955), (437, 32988), (467, 33069), (480, 33114), (497, 33162), (510, 33198), (514, 33207), (517, 33213), (609, 33438),

Gene: FreakyGoo_32 Start: 26992, Stop: 28047, Start Num: 146
Candidate Starts for FreakyGoo_32:
(Start: 146 @26992 has 97 MA's), (258, 27205), (280, 27241), (317, 27304), (376, 27376), (392, 27406), (406, 27427), (430, 27463), (441, 27499), (461, 27547), (467, 27568), (469, 27574), (473, 27604), (475, 27607), (493, 27655), (569, 27844), (576, 27865), (599, 27919),

Gene: Frederick_30 Start: 32610, Stop: 33767, Start Num: 83
Candidate Starts for Frederick_30:
(Start: 83 @32610 has 436 MA's), (Start: 128 @32703 has 1 MA's), (Start: 135 @32718 has 1 MA's), (Start: 143 @32733 has 31 MA's), (Start: 152 @32745 has 1 MA's), (161, 32763), (188, 32805), (214, 32853), (236, 32904), (240, 32913), (253, 32931), (267, 32958), (275, 32973), (280, 32979), (283,

32985), (285, 32991), (303, 33018), (306, 33027), (324, 33060), (350, 33093), (414, 33153), (429, 33183), (432, 33189), (449, 33234), (468, 33288), (469, 33291), (517, 33435), (578, 33588),

Gene: FremontTroll_32 Start: 32127, Stop: 33287, Start Num: 83
Candidate Starts for FremontTroll_32:
(Start: 83 @32127 has 436 MA's), (Start: 135 @32238 has 1 MA's), (161, 32283), (218, 32382), (247, 32442), (267, 32478), (283, 32502), (306, 32547), (311, 32553), (350, 32604), (390, 32643), (391, 32646), (399, 32658), (409, 32673), (424, 32697), (437, 32730), (467, 32811), (480, 32856), (497, 32904), (510, 32940), (514, 32949), (517, 32955), (609, 33180),

Gene: FrenchFry_33 Start: 32814, Stop: 33977, Start Num: 83
Candidate Starts for FrenchFry_33:
(46, 32667), (Start: 79 @32808 has 10 MA's), (Start: 83 @32814 has 436 MA's), (102, 32853), (114, 32883), (Start: 135 @32928 has 1 MA's), (161, 32973), (218, 33072), (247, 33132), (267, 33168), (283, 33192), (306, 33237), (311, 33243), (350, 33294), (390, 33333), (391, 33336), (399, 33348), (409, 33363), (424, 33387), (437, 33420), (467, 33501), (497, 33594), (510, 33630), (514, 33639), (517, 33645), (537, 33705), (609, 33870),

Gene: Freya_32 Start: 32064, Stop: 33224, Start Num: 83
Candidate Starts for Freya_32:
(Start: 83 @32064 has 436 MA's), (Start: 135 @32175 has 1 MA's), (161, 32220), (218, 32319), (247, 32379), (267, 32415), (283, 32439), (306, 32484), (311, 32490), (350, 32541), (390, 32580), (391, 32583), (399, 32595), (409, 32610), (424, 32634), (437, 32667), (467, 32748), (480, 32793), (497, 32841), (510, 32877), (514, 32886), (517, 32892), (609, 33117),

Gene: FriarPreacher_33 Start: 32391, Stop: 33551, Start Num: 83
Candidate Starts for FriarPreacher_33:
(Start: 83 @32391 has 436 MA's), (Start: 135 @32502 has 1 MA's), (161, 32547), (218, 32646), (247, 32706), (267, 32742), (283, 32766), (306, 32811), (311, 32817), (350, 32868), (390, 32907), (391, 32910), (399, 32922), (409, 32937), (424, 32961), (437, 32994), (467, 33075), (480, 33120), (497, 33168), (510, 33204), (514, 33213), (517, 33219), (609, 33444),

Gene: Fringe_33 Start: 32356, Stop: 33516, Start Num: 83
Candidate Starts for Fringe_33:
(Start: 83 @32356 has 436 MA's), (Start: 135 @32467 has 1 MA's), (161, 32512), (218, 32611), (247, 32671), (267, 32707), (283, 32731), (306, 32776), (311, 32782), (350, 32833), (390, 32872), (391, 32875), (399, 32887), (424, 32926), (437, 32959), (467, 33040), (480, 33085), (497, 33133), (510, 33169), (514, 33178), (517, 33184), (609, 33409),

Gene: FugateOSU_32 Start: 32069, Stop: 33229, Start Num: 83
Candidate Starts for FugateOSU_32:
(Start: 83 @32069 has 436 MA's), (Start: 135 @32180 has 1 MA's), (161, 32225), (218, 32324), (247, 32384), (267, 32420), (283, 32444), (306, 32489), (311, 32495), (350, 32546), (390, 32585), (391, 32588), (399, 32600), (409, 32615), (424, 32639), (437, 32672), (467, 32753), (480, 32798), (497, 32846), (510, 32882), (514, 32891), (517, 32897), (609, 33122),

Gene: Fulbright_21 Start: 20200, Stop: 21357, Start Num: 83
Candidate Starts for Fulbright_21:
(Start: 83 @20200 has 436 MA's), (124, 20281), (Start: 135 @20308 has 1 MA's), (Start: 149 @20329 has 1 MA's), (181, 20389), (199, 20413), (201, 20419), (210, 20437), (216, 20449), (222, 20461), (227, 20473), (245, 20509), (259, 20533), (267, 20548), (272, 20557), (285, 20581), (293, 20596), (303, 20611), (379, 20695), (381, 20698), (393, 20719), (407, 20740), (414, 20749), (421, 20761), (426, 20770), (517, 21031), (537, 21100), (627, 21334),

Gene: Fulcrum_34 Start: 29520, Stop: 30569, Start Num: 143
Candidate Starts for Fulcrum_34:
(Start: 143 @29520 has 31 MA's), (210, 29634), (220, 29655), (258, 29730), (266, 29745), (303, 29808), (333, 29868), (404, 29970), (437, 30033), (498, 30204), (587, 30432),

Gene: Funsized_35 Start: 35123, Stop: 36316, Start Num: 83
Candidate Starts for Funsized_35:
(23, 34694), (62, 35066), (67, 35099), (Start: 83 @35123 has 436 MA's), (157, 35279), (183, 35327), (201, 35354), (209, 35369), (211, 35375), (237, 35432), (267, 35483), (269, 35486), (272, 35492), (281, 35507), (303, 35543), (306, 35552), (390, 35648), (405, 35672), (407, 35675), (508, 35804), (537, 35891), (567, 35945), (638, 36290), (639, 36296),

Gene: Fury_53 Start: 35397, Stop: 36479, Start Num: 129
Candidate Starts for Fury_53:
(Start: 129 @35397 has 10 MA's), (190, 35514), (309, 35742), (386, 35826), (390, 35832), (417, 35871), (426, 35886), (442, 35928), (498, 36093), (568, 36273), (619, 36411),

Gene: GMA7_23 Start: 30667, Stop: 31671, Start Num: 180
Candidate Starts for GMA7_23:
(Start: 180 @30667 has 3 MA's), (203, 30715), (214, 30733), (264, 30829), (269, 30838), (305, 30904), (357, 30985), (449, 31138), (459, 31165), (465, 31186), (495, 31288), (536, 31414), (587, 31516), (627, 31648),

Gene: GOATification_34 Start: 29520, Stop: 30569, Start Num: 143
Candidate Starts for GOATification_34:
(Start: 143 @29520 has 31 MA's), (210, 29634), (220, 29655), (258, 29730), (266, 29745), (303, 29808), (333, 29868), (404, 29970), (437, 30033), (498, 30204), (587, 30432),

Gene: GTE7_23 Start: 30698, Stop: 31702, Start Num: 180
Candidate Starts for GTE7_23:
(Start: 180 @30698 has 3 MA's), (203, 30746), (214, 30764), (255, 30842), (264, 30860), (269, 30869), (305, 30935), (357, 31016), (449, 31169), (459, 31196), (465, 31217), (495, 31319), (536, 31445), (587, 31547), (627, 31679),

Gene: GTE8_33 Start: 29229, Stop: 30287, Start Num: 148
Candidate Starts for GTE8_33:
(72, 29067), (Start: 148 @29229 has 14 MA's), (261, 29445), (380, 29628), (616, 30216), (627, 30261),

Gene: Gadjet_34 Start: 32229, Stop: 33431, Start Num: 83
Candidate Starts for Gadjet_34:
(Start: 83 @32229 has 436 MA's), (99, 32262), (177, 32406), (183, 32415), (188, 32424), (209, 32463), (214, 32472), (222, 32490), (230, 32508), (237, 32526), (240, 32532), (249, 32544), (259, 32562), (267, 32577), (287, 32610), (303, 32637), (332, 32682), (371, 32763), (386, 32790), (397, 32808), (409, 32826), (432, 32868), (473, 32997), (506, 33087), (545, 33189), (575, 33246), (577, 33255), (594, 33294), (611, 33366), (627, 33408),

Gene: GalacticEye_30 Start: 38068, Stop: 38970, Start Num: 217
Candidate Starts for GalacticEye_30:
(Start: 217 @38068 has 25 MA's), (293, 38206), (337, 38275), (375, 38323), (422, 38386), (437, 38422), (493, 38590), (600, 38842), (627, 38947),

Gene: GaloreK_22 Start: 21295, Stop: 22332, Start Num: 146

Candidate Starts for GaloreK_22:
(Start: 131 @21271 has 18 MA's), (Start: 143 @21292 has 31 MA's), (Start: 146 @21295 has 97 MA's), (162, 21319), (232, 21457), (254, 21499), (293, 21568), (333, 21628), (369, 21673), (392, 21718), (437, 21799), (461, 21856), (468, 21880), (500, 21985), (525, 22057), (540, 22102), (616, 22267),

Gene: Gancho_26 Start: 23095, Stop: 24333, Start Num: 83
Candidate Starts for Gancho_26:
(13, 22483), (14, 22549), (21, 22642), (28, 22792), (36, 22879), (37, 22882), (59, 23020), (Start: 83 @23095 has 436 MA's), (126, 23191), (138, 23218), (Start: 141 @23224 has 12 MA's), (163, 23263), (167, 23272), (195, 23317), (201, 23329), (220, 23368), (249, 23425), (278, 23476), (286, 23491), (306, 23530), (325, 23563), (341, 23584), (345, 23590), (360, 23626), (365, 23638), (367, 23641), (393, 23689), (397, 23695), (399, 23698), (405, 23707), (467, 23845), (497, 23938), (519, 23995), (520, 24001), (553, 24085), (558, 24100), (560, 24103), (591, 24169), (598, 24202),

Gene: GardenSalsa_35 Start: 27841, Stop: 28923, Start Num: 106
Candidate Starts for GardenSalsa_35:
(104, 27835), (Start: 106 @27841 has 6 MA's), (145, 27916), (176, 27961), (Start: 178 @27967 has 14 MA's), (182, 27973), (196, 27991), (220, 28036), (229, 28051), (235, 28066), (249, 28090), (261, 28111), (293, 28165), (299, 28171), (315, 28201), (427, 28345), (442, 28381), (622, 28879),

Gene: Gareth_32 Start: 32072, Stop: 33232, Start Num: 83
Candidate Starts for Gareth_32:
(Start: 83 @32072 has 436 MA's), (Start: 135 @32183 has 1 MA's), (161, 32228), (218, 32327), (247, 32387), (267, 32423), (283, 32447), (306, 32492), (311, 32498), (350, 32549), (390, 32588), (391, 32591), (399, 32603), (409, 32618), (424, 32642), (437, 32675), (467, 32756), (480, 32801), (497, 32849), (510, 32885), (514, 32894), (517, 32900), (609, 33125),

Gene: Gavriela_22 Start: 21561, Stop: 22601, Start Num: 141
Candidate Starts for Gavriela_22:
(Start: 141 @21561 has 12 MA's), (230, 21720), (232, 21726), (254, 21768), (291, 21834), (293, 21837), (333, 21897), (369, 21942), (392, 21987), (437, 22068), (461, 22125), (468, 22149), (500, 22254), (525, 22326), (540, 22371),

Gene: Genamy16_33 Start: 27521, Stop: 28618, Start Num: 148
Candidate Starts for Genamy16_33:
(Start: 148 @27521 has 14 MA's), (210, 27635), (257, 27728), (277, 27761), (280, 27764), (281, 27767), (291, 27785), (293, 27788), (302, 27800), (333, 27848), (377, 27911), (411, 27965), (454, 28061), (465, 28103), (538, 28337), (559, 28376), (595, 28463), (633, 28610),

Gene: GeneCoco_33 Start: 32381, Stop: 33541, Start Num: 83
Candidate Starts for GeneCoco_33:
(Start: 83 @32381 has 436 MA's), (Start: 135 @32492 has 1 MA's), (161, 32537), (218, 32636), (247, 32696), (267, 32732), (283, 32756), (306, 32801), (311, 32807), (350, 32858), (390, 32897), (391, 32900), (399, 32912), (409, 32927), (424, 32951), (437, 32984), (467, 33065), (480, 33110), (497, 33158), (510, 33194), (514, 33203), (517, 33209), (609, 33434),

Gene: GenevaB15_35 Start: 27886, Stop: 28968, Start Num: 106
Candidate Starts for GenevaB15_35:
(98, 27865), (104, 27880), (Start: 106 @27886 has 6 MA's), (145, 27961), (176, 28006), (Start: 178 @28012 has 14 MA's), (182, 28018), (196, 28036), (201, 28045), (229, 28096), (235, 28111), (249, 28135), (261, 28156), (293, 28210), (299, 28216), (326, 28270), (442, 28426), (604, 28837),

Gene: Gengar_27 Start: 23958, Stop: 25028, Start Num: 146
Candidate Starts for Gengar_27:
(Start: 146 @23958 has 97 MA's), (236, 24132), (264, 24186), (302, 24243), (303, 24246), (309, 24261), (323, 24288), (366, 24327), (369, 24330), (374, 24342), (376, 24345), (377, 24348), (420, 24417), (441, 24471), (470, 24549), (484, 24594), (546, 24777),

Gene: Gervas_33 Start: 32200, Stop: 33402, Start Num: 83
Candidate Starts for Gervas_33:
(Start: 83 @32200 has 436 MA's), (99, 32233), (177, 32377), (183, 32386), (188, 32395), (209, 32434), (214, 32443), (222, 32461), (247, 32512), (253, 32521), (259, 32533), (262, 32539), (267, 32548), (293, 32593), (303, 32608), (332, 32653), (356, 32692), (365, 32722), (372, 32737), (379, 32749), (393, 32773), (423, 32818), (432, 32839), (441, 32863), (469, 32938), (473, 32968), (497, 33028), (500, 33040), (506, 33058), (545, 33160), (594, 33265), (596, 33271), (600, 33289), (626, 33376),

Gene: Gex_22 Start: 20219, Stop: 21433, Start Num: 131
Candidate Starts for Gex_22:
(38, 19889), (75, 20087), (Start: 130 @20216 has 6 MA's), (Start: 131 @20219 has 18 MA's), (268, 20480), (358, 20651), (439, 20801), (453, 20840), (488, 20942), (497, 20984), (619, 21356),

Gene: Gibbin_34 Start: 29619, Stop: 30668, Start Num: 143
Candidate Starts for Gibbin_34:
(Start: 143 @29619 has 31 MA's), (210, 29733), (231, 29775), (258, 29829), (266, 29844), (303, 29907), (498, 30303), (516, 30348), (550, 30438), (587, 30531),

Gene: Giles_27 Start: 23371, Stop: 24609, Start Num: 83
Candidate Starts for Giles_27:
(13, 22759), (14, 22825), (20, 22915), (21, 22918), (28, 23068), (36, 23155), (37, 23158), (59, 23296), (Start: 83 @23371 has 436 MA's), (126, 23467), (138, 23494), (Start: 141 @23500 has 12 MA's), (163, 23539), (167, 23548), (195, 23593), (201, 23605), (220, 23644), (249, 23701), (278, 23752), (286, 23767), (306, 23806), (325, 23839), (341, 23860), (345, 23866), (360, 23902), (365, 23914), (367, 23917), (393, 23965), (397, 23971), (399, 23974), (405, 23983), (467, 24121), (497, 24214), (519, 24271), (520, 24277), (553, 24361), (558, 24376), (560, 24379), (591, 24445), (598, 24478),

Gene: GinPorsche_29 Start: 31578, Stop: 32735, Start Num: 83
Candidate Starts for GinPorsche_29:
(Start: 83 @31578 has 436 MA's), (Start: 128 @31671 has 1 MA's), (Start: 135 @31686 has 1 MA's), (Start: 143 @31701 has 31 MA's), (Start: 152 @31713 has 1 MA's), (161, 31731), (214, 31821), (236, 31872), (240, 31881), (245, 31887), (253, 31899), (267, 31926), (275, 31941), (280, 31947), (283, 31953), (303, 31986), (306, 31995), (324, 32028), (350, 32061), (429, 32151), (432, 32157), (468, 32256), (469, 32259), (517, 32403), (578, 32556),

Gene: Giraffe_33 Start: 32075, Stop: 33235, Start Num: 83
Candidate Starts for Giraffe_33:
(Start: 83 @32075 has 436 MA's), (Start: 135 @32186 has 1 MA's), (161, 32231), (218, 32330), (247, 32390), (267, 32426), (283, 32450), (306, 32495), (311, 32501), (350, 32552), (390, 32591), (391, 32594), (399, 32606), (409, 32621), (424, 32645), (437, 32678), (467, 32759), (480, 32804), (497, 32852), (510, 32888), (514, 32897), (517, 32903), (609, 33128),

Gene: Glaske_22 Start: 21561, Stop: 22601, Start Num: 141
Candidate Starts for Glaske_22:
(Start: 141 @21561 has 12 MA's), (230, 21720), (232, 21726), (254, 21768), (291, 21834), (293, 21837), (333, 21897), (369, 21942), (392, 21987), (437, 22068), (461, 22125), (468, 22149), (500, 22254), (525, 22326), (540, 22371),

Gene: Glaske16_32 Start: 26991, Stop: 28046, Start Num: 146
Candidate Starts for Glaske16_32:
(Start: 146 @26991 has 97 MA's), (258, 27204), (280, 27240), (317, 27303), (376, 27375), (392, 27405), (406, 27426), (430, 27462), (441, 27498), (461, 27546), (467, 27567), (469, 27573), (473, 27603), (475, 27606), (493, 27654), (576, 27864), (599, 27918),

Gene: Glass_33 Start: 32814, Stop: 33977, Start Num: 83
Candidate Starts for Glass_33:
(Start: 79 @32808 has 10 MA's), (Start: 83 @32814 has 436 MA's), (102, 32853), (114, 32883), (Start: 135 @32928 has 1 MA's), (161, 32973), (218, 33072), (247, 33132), (267, 33168), (283, 33192), (306, 33237), (311, 33243), (350, 33294), (390, 33333), (391, 33336), (399, 33348), (409, 33363), (424, 33387), (437, 33420), (467, 33501), (480, 33546), (497, 33594), (510, 33630), (514, 33639), (517, 33645), (609, 33870),

Gene: GlenHope_34 Start: 32212, Stop: 33414, Start Num: 83
Candidate Starts for GlenHope_34:
(Start: 83 @32212 has 436 MA's), (177, 32389), (183, 32398), (188, 32407), (209, 32446), (214, 32455), (222, 32473), (230, 32491), (237, 32509), (240, 32515), (249, 32527), (259, 32545), (267, 32560), (287, 32593), (303, 32620), (332, 32665), (371, 32746), (386, 32773), (397, 32791), (409, 32809), (432, 32851), (473, 32980), (506, 33070), (545, 33172), (577, 33238), (594, 33277), (611, 33349), (627, 33391),

Gene: Glubnar_34 Start: 32212, Stop: 33414, Start Num: 83
Candidate Starts for Glubnar_34:
(Start: 83 @32212 has 436 MA's), (99, 32245), (177, 32389), (183, 32398), (188, 32407), (209, 32446), (214, 32455), (222, 32473), (247, 32524), (253, 32533), (259, 32545), (262, 32551), (267, 32560), (293, 32605), (303, 32620), (332, 32665), (356, 32704), (365, 32734), (372, 32749), (379, 32761), (393, 32785), (424, 32833), (427, 32839), (429, 32845), (432, 32851), (441, 32875), (469, 32950), (473, 32980), (497, 33040), (500, 33052), (506, 33070), (543, 33169), (545, 33172), (594, 33277), (596, 33283), (600, 33301), (626, 33388),

Gene: GodPhather_26 Start: 30204, Stop: 31373, Start Num: 79
Candidate Starts for GodPhather_26:
(Start: 79 @30204 has 10 MA's), (Start: 83 @30210 has 436 MA's), (102, 30249), (114, 30279), (Start: 135 @30324 has 1 MA's), (161, 30369), (218, 30468), (247, 30528), (267, 30564), (283, 30588), (306, 30633), (311, 30639), (350, 30690), (390, 30729), (391, 30732), (399, 30744), (409, 30759), (424, 30783), (437, 30816), (467, 30897), (480, 30942), (497, 30990), (510, 31026), (514, 31035), (517, 31041), (609, 31266),

Gene: GodSpeed_23 Start: 23148, Stop: 24509, Start Num: 103
Candidate Starts for GodSpeed_23:
(Start: 103 @23148 has 6 MA's), (169, 23271), (183, 23298), (200, 23322), (236, 23400), (240, 23409), (267, 23454), (283, 23481), (377, 23601), (407, 23649), (446, 23733), (548, 24024), (584, 24090), (636, 24300), (641, 24480),

Gene: Godines_33 Start: 32691, Stop: 33896, Start Num: 76
Candidate Starts for Godines_33:
(45, 32547), (Start: 74 @32688 has 2 MA's), (Start: 76 @32691 has 7 MA's), (109, 32760), (Start: 152 @32829 has 1 MA's), (170, 32859), (177, 32871), (181, 32877), (183, 32880), (188, 32889), (209, 32928), (214, 32937), (219, 32949), (247, 33006), (259, 33027), (267, 33042), (293, 33087), (303, 33102), (332, 33147), (365, 33216), (379, 33243), (393, 33267), (423, 33312), (432, 33333), (441, 33357), (469, 33432), (473, 33462), (497, 33522), (500, 33534), (506, 33552), (545, 33654), (596,

33765), (600, 33783), (614, 33834), (626, 33870),

Gene: Gophee_33 Start: 32358, Stop: 33518, Start Num: 83
Candidate Starts for Gophee_33:
(Start: 83 @32358 has 436 MA's), (Start: 135 @32469 has 1 MA's), (161, 32514), (218, 32613), (247, 32673), (267, 32709), (283, 32733), (306, 32778), (311, 32784), (350, 32835), (390, 32874), (391, 32877), (399, 32889), (424, 32928), (437, 32961), (467, 33042), (480, 33087), (497, 33135), (510, 33171), (514, 33180), (517, 33186), (609, 33411),

Gene: Grand2040_32 Start: 32090, Stop: 33250, Start Num: 83
Candidate Starts for Grand2040_32:
(Start: 83 @32090 has 436 MA's), (Start: 135 @32201 has 1 MA's), (161, 32246), (218, 32345), (247, 32405), (267, 32441), (283, 32465), (306, 32510), (311, 32516), (350, 32567), (390, 32606), (391, 32609), (399, 32621), (409, 32636), (424, 32660), (437, 32693), (467, 32774), (480, 32819), (497, 32867), (510, 32903), (514, 32912), (517, 32918), (609, 33143),

Gene: GrandSlam_27 Start: 23849, Stop: 24916, Start Num: 150
Candidate Starts for GrandSlam_27:
(Start: 150 @23849 has 30 MA's), (374, 24227), (450, 24368), (457, 24383), (461, 24395), (468, 24419), (492, 24503), (494, 24509), (505, 24542), (511, 24554), (548, 24650), (550, 24653), (559, 24674),

Gene: Gravaillia_27 Start: 23101, Stop: 24339, Start Num: 83
Candidate Starts for Gravaillia_27:
(13, 22489), (14, 22555), (20, 22645), (21, 22648), (28, 22798), (36, 22885), (37, 22888), (59, 23026), (Start: 83 @23101 has 436 MA's), (126, 23197), (138, 23224), (Start: 141 @23230 has 12 MA's), (163, 23269), (167, 23278), (195, 23323), (201, 23335), (220, 23374), (249, 23431), (278, 23482), (286, 23497), (306, 23536), (325, 23569), (341, 23590), (345, 23596), (360, 23632), (365, 23644), (367, 23647), (393, 23695), (397, 23701), (399, 23704), (405, 23713), (467, 23851), (497, 23944), (519, 24001), (520, 24007), (553, 24091), (558, 24106), (560, 24109), (591, 24175), (598, 24208),

Gene: GreaseLightnin_22 Start: 21355, Stop: 22509, Start Num: 86
Candidate Starts for GreaseLightnin_22:
(31, 21118), (39, 21160), (44, 21190), (50, 21220), (51, 21229), (59, 21280), (69, 21334), (Start: 86 @21355 has 22 MA's), (124, 21436), (Start: 149 @21484 has 1 MA's), (181, 21544), (189, 21553), (199, 21568), (210, 21592), (222, 21616), (227, 21628), (267, 21703), (272, 21712), (285, 21736), (303, 21766), (379, 21850), (381, 21853), (393, 21874), (467, 22033), (493, 22123), (497, 22132), (506, 22162), (517, 22183), (627, 22486),

Gene: GreenChile_33 Start: 32366, Stop: 33526, Start Num: 83
Candidate Starts for GreenChile_33:
(Start: 83 @32366 has 436 MA's), (Start: 135 @32477 has 1 MA's), (161, 32522), (218, 32621), (247, 32681), (267, 32717), (283, 32741), (306, 32786), (311, 32792), (350, 32843), (390, 32882), (391, 32885), (399, 32897), (409, 32912), (424, 32936), (437, 32969), (467, 33050), (480, 33095), (497, 33143), (510, 33179), (514, 33188), (517, 33194), (609, 33419),

Gene: GretelLyn_33 Start: 29878, Stop: 30933, Start Num: 143
Candidate Starts for GretelLyn_33:
(Start: 143 @29878 has 31 MA's), (210, 29992), (231, 30034), (258, 30088), (266, 30103), (303, 30166), (333, 30226), (404, 30328), (437, 30391), (498, 30562), (587, 30796),

Gene: Gsput1_26 Start: 21693, Stop: 22775, Start Num: 129
Candidate Starts for Gsput1_26:

(Start: 129 @21693 has 10 MA's), (215, 21855), (236, 21903), (243, 21915), (302, 22017), (341, 22077), (381, 22110), (390, 22125), (417, 22164), (452, 22248), (464, 22278), (468, 22290), (517, 22437), (561, 22563), (594, 22620), (625, 22743),

Gene: Guillsminger_27 Start: 23933, Stop: 25000, Start Num: 146
Candidate Starts for Guillsminger_27:
(Start: 146 @23933 has 97 MA's), (210, 24050), (236, 24107), (260, 24155), (264, 24161), (302, 24218), (303, 24221), (309, 24236), (323, 24263), (366, 24302), (369, 24305), (374, 24317), (376, 24320), (377, 24323), (385, 24338), (416, 24383), (420, 24389), (441, 24443), (461, 24491), (470, 24521), (484, 24566), (525, 24695), (546, 24749),

Gene: Gwennie1_33 Start: 32439, Stop: 33599, Start Num: 83
Candidate Starts for Gwennie1_33:
(Start: 83 @32439 has 436 MA's), (Start: 135 @32550 has 1 MA's), (161, 32595), (218, 32694), (247, 32754), (267, 32790), (283, 32814), (306, 32859), (311, 32865), (350, 32916), (390, 32955), (391, 32958), (399, 32970), (424, 33009), (437, 33042), (467, 33123), (480, 33168), (497, 33216), (510, 33252), (514, 33261), (517, 33267), (609, 33492),

Gene: Gwilliam_33 Start: 32370, Stop: 33530, Start Num: 83
Candidate Starts for Gwilliam_33:
(Start: 83 @32370 has 436 MA's), (Start: 135 @32481 has 1 MA's), (161, 32526), (218, 32625), (247, 32685), (267, 32721), (283, 32745), (306, 32790), (311, 32796), (350, 32847), (390, 32886), (391, 32889), (399, 32901), (409, 32916), (424, 32940), (437, 32973), (467, 33054), (480, 33099), (497, 33147), (510, 33183), (514, 33192), (517, 33198), (609, 33423),

Gene: Gyarad_0033 Start: 32372, Stop: 33532, Start Num: 83
Candidate Starts for Gyarad_0033:
(Start: 83 @32372 has 436 MA's), (Start: 135 @32483 has 1 MA's), (161, 32528), (218, 32627), (247, 32687), (267, 32723), (283, 32747), (306, 32792), (311, 32798), (350, 32849), (390, 32888), (391, 32891), (399, 32903), (409, 32918), (424, 32942), (437, 32975), (467, 33056), (480, 33101), (497, 33149), (510, 33185), (514, 33194), (517, 33200), (609, 33425),

Gene: HC_22 Start: 21369, Stop: 22406, Start Num: 146
Candidate Starts for HC_22:
(Start: 131 @21345 has 18 MA's), (Start: 143 @21366 has 31 MA's), (Start: 146 @21369 has 97 MA's), (162, 21393), (232, 21531), (254, 21573), (293, 21642), (333, 21702), (369, 21747), (392, 21792), (437, 21873), (461, 21930), (468, 21954), (500, 22059), (525, 22131), (540, 22176), (616, 22341),

Gene: HH92_27 Start: 23371, Stop: 24609, Start Num: 83
Candidate Starts for HH92_27:
(13, 22759), (14, 22825), (20, 22915), (21, 22918), (28, 23068), (36, 23155), (37, 23158), (59, 23296), (Start: 83 @23371 has 436 MA's), (126, 23467), (138, 23494), (Start: 141 @23500 has 12 MA's), (163, 23539), (167, 23548), (195, 23593), (201, 23605), (220, 23644), (249, 23701), (278, 23752), (286, 23767), (306, 23806), (325, 23839), (341, 23860), (345, 23866), (360, 23902), (365, 23914), (367, 23917), (393, 23965), (397, 23971), (399, 23974), (405, 23983), (467, 24121), (497, 24214), (519, 24271), (520, 24277), (553, 24361), (558, 24376), (560, 24379), (591, 24445), (598, 24478),

Gene: HSavage_33 Start: 32376, Stop: 33536, Start Num: 83
Candidate Starts for HSavage_33:
(Start: 83 @32376 has 436 MA's), (Start: 135 @32487 has 1 MA's), (161, 32532), (218, 32631), (247, 32691), (267, 32727), (283, 32751), (306, 32796), (311, 32802), (350, 32853), (390, 32892), (391, 32895), (399, 32907), (409, 32922), (424, 32946), (437, 32979), (467, 33060), (480, 33105), (497,

33153), (510, 33189), (514, 33198), (517, 33204), (609, 33429),

Gene: HUHilltop_22 Start: 21299, Stop: 22336, Start Num: 146
Candidate Starts for HUHilltop_22:
(Start: 131 @21275 has 18 MA's), (Start: 143 @21296 has 31 MA's), (Start: 146 @21299 has 97 MA's), (162, 21323), (232, 21461), (254, 21503), (293, 21572), (333, 21632), (369, 21677), (392, 21722), (437, 21803), (461, 21860), (468, 21884), (500, 21989), (525, 22061), (540, 22106), (616, 22271),

Gene: Hadrien_27 Start: 23371, Stop: 24609, Start Num: 83
Candidate Starts for Hadrien_27:
(13, 22759), (14, 22825), (20, 22915), (21, 22918), (28, 23068), (36, 23155), (37, 23158), (59, 23296), (Start: 83 @23371 has 436 MA's), (126, 23467), (138, 23494), (Start: 141 @23500 has 12 MA's), (163, 23539), (167, 23548), (195, 23593), (201, 23605), (220, 23644), (249, 23701), (278, 23752), (286, 23767), (306, 23806), (325, 23839), (341, 23860), (345, 23866), (360, 23902), (365, 23914), (367, 23917), (393, 23965), (397, 23971), (399, 23974), (405, 23983), (467, 24121), (497, 24214), (519, 24271), (520, 24277), (553, 24361), (558, 24376), (560, 24379), (591, 24445), (598, 24478),

Gene: Hail_27 Start: 23371, Stop: 24609, Start Num: 83
Candidate Starts for Hail_27:
(13, 22759), (14, 22825), (20, 22915), (21, 22918), (28, 23068), (36, 23155), (37, 23158), (59, 23296), (Start: 83 @23371 has 436 MA's), (126, 23467), (138, 23494), (Start: 141 @23500 has 12 MA's), (163, 23539), (167, 23548), (195, 23593), (201, 23605), (220, 23644), (249, 23701), (278, 23752), (286, 23767), (306, 23806), (325, 23839), (341, 23860), (345, 23866), (360, 23902), (365, 23914), (367, 23917), (393, 23965), (397, 23971), (399, 23974), (405, 23983), (467, 24121), (497, 24214), (519, 24271), (520, 24277), (553, 24361), (558, 24376), (560, 24379), (591, 24445), (598, 24478),

Gene: Hail2Pitt_30 Start: 38595, Stop: 39497, Start Num: 217
Candidate Starts for Hail2Pitt_30:
(Start: 217 @38595 has 25 MA's), (293, 38733), (337, 38802), (375, 38850), (422, 38913), (437, 38949), (441, 38958), (493, 39117), (597, 39351), (600, 39369), (627, 39474),

Gene: Haimas_33 Start: 32367, Stop: 33527, Start Num: 83
Candidate Starts for Haimas_33:
(Start: 83 @32367 has 436 MA's), (Start: 135 @32478 has 1 MA's), (161, 32523), (218, 32622), (247, 32682), (267, 32718), (283, 32742), (306, 32787), (311, 32793), (350, 32844), (390, 32883), (391, 32886), (399, 32898), (409, 32913), (424, 32937), (437, 32970), (467, 33051), (480, 33096), (497, 33144), (510, 33180), (514, 33189), (517, 33195), (609, 33420),

Gene: Haleema_32 Start: 32090, Stop: 33250, Start Num: 83
Candidate Starts for Haleema_32:
(Start: 83 @32090 has 436 MA's), (Start: 135 @32201 has 1 MA's), (161, 32246), (218, 32345), (247, 32405), (267, 32441), (283, 32465), (306, 32510), (311, 32516), (350, 32567), (390, 32606), (391, 32609), (399, 32621), (409, 32636), (424, 32660), (437, 32693), (467, 32774), (480, 32819), (497, 32867), (510, 32903), (514, 32912), (517, 32918), (609, 33143),

Gene: Halena_21 Start: 21699, Stop: 22871, Start Num: 91
Candidate Starts for Halena_21:
(Start: 89 @21696 has 7 MA's), (Start: 91 @21699 has 34 MA's), (Start: 149 @21825 has 1 MA's), (173, 21867), (177, 21879), (Start: 180 @21882 has 3 MA's), (201, 21915), (206, 21927), (230, 21975), (237, 21993), (259, 22029), (267, 22044), (298, 22095), (315, 22125), (334, 22167), (352, 22191), (401, 22227), (405, 22233), (423, 22260), (432, 22278), (469, 22371), (470, 22374), (494, 22458), (547, 22596), (557, 22614), (593, 22698),

Gene: Halfpint_32 Start: 32038, Stop: 33240, Start Num: 83
Candidate Starts for Halfpint_32:
(Start: 83 @32038 has 436 MA's), (177, 32215), (183, 32224), (188, 32233), (209, 32272), (214, 32281), (222, 32299), (230, 32317), (237, 32335), (240, 32341), (249, 32353), (259, 32371), (267, 32386), (303, 32446), (332, 32491), (371, 32572), (386, 32599), (397, 32617), (409, 32635), (432, 32677), (473, 32806), (506, 32896), (545, 32998), (575, 33055), (577, 33064), (594, 33103), (611, 33175), (627, 33217),

Gene: Hally898_29 Start: 31590, Stop: 32747, Start Num: 83
Candidate Starts for Hally898_29:
(Start: 83 @31590 has 436 MA's), (Start: 128 @31683 has 1 MA's), (Start: 135 @31698 has 1 MA's), (Start: 143 @31713 has 31 MA's), (Start: 152 @31725 has 1 MA's), (161, 31743), (214, 31833), (236, 31884), (240, 31893), (245, 31899), (253, 31911), (267, 31938), (275, 31953), (280, 31959), (283, 31965), (303, 31998), (306, 32007), (324, 32040), (350, 32073), (429, 32163), (432, 32169), (468, 32268), (469, 32271), (517, 32415), (578, 32568),

Gene: Hamish_33 Start: 32359, Stop: 33519, Start Num: 83
Candidate Starts for Hamish_33:
(Start: 83 @32359 has 436 MA's), (Start: 135 @32470 has 1 MA's), (161, 32515), (218, 32614), (247, 32674), (267, 32710), (283, 32734), (306, 32779), (311, 32785), (350, 32836), (390, 32875), (391, 32878), (399, 32890), (409, 32905), (424, 32929), (437, 32962), (467, 33043), (480, 33088), (497, 33136), (510, 33172), (514, 33181), (517, 33187), (609, 33412),

Gene: Hamood_27 Start: 23849, Stop: 24916, Start Num: 150
Candidate Starts for Hamood_27:
(Start: 150 @23849 has 30 MA's), (374, 24227), (450, 24368), (457, 24383), (461, 24395), (468, 24419), (492, 24503), (494, 24509), (505, 24542), (511, 24554), (548, 24650), (550, 24653), (559, 24674),

Gene: Hanako_21 Start: 19877, Stop: 21031, Start Num: 86
Candidate Starts for Hanako_21:
(31, 19640), (39, 19682), (44, 19712), (50, 19742), (59, 19802), (69, 19856), (Start: 86 @19877 has 22 MA's), (112, 19940), (124, 19958), (Start: 149 @20006 has 1 MA's), (181, 20066), (189, 20075), (199, 20090), (210, 20114), (222, 20138), (227, 20150), (267, 20225), (272, 20234), (285, 20258), (303, 20288), (331, 20333), (332, 20336), (336, 20342), (379, 20372), (381, 20375), (393, 20396), (467, 20555), (493, 20645), (497, 20654), (506, 20684), (517, 20705), (627, 21008),

Gene: Hangman_30 Start: 32602, Stop: 33759, Start Num: 83
Candidate Starts for Hangman_30:
(Start: 83 @32602 has 436 MA's), (Start: 128 @32695 has 1 MA's), (Start: 135 @32710 has 1 MA's), (Start: 143 @32725 has 31 MA's), (Start: 152 @32737 has 1 MA's), (161, 32755), (188, 32797), (236, 32896), (240, 32905), (253, 32923), (275, 32965), (280, 32971), (283, 32977), (285, 32983), (303, 33010), (306, 33019), (324, 33052), (350, 33085), (414, 33145), (429, 33175), (432, 33181), (440, 33202), (449, 33226), (468, 33280), (469, 33283), (517, 33427),

Gene: Happabalu_33 Start: 32088, Stop: 33248, Start Num: 83
Candidate Starts for Happabalu_33:
(Start: 83 @32088 has 436 MA's), (Start: 135 @32199 has 1 MA's), (161, 32244), (218, 32343), (247, 32403), (267, 32439), (283, 32463), (306, 32508), (311, 32514), (350, 32565), (390, 32604), (391, 32607), (399, 32619), (424, 32658), (437, 32691), (467, 32772), (480, 32817), (497, 32865), (510, 32901), (514, 32910), (517, 32916), (609, 33141),

Gene: Harambe_30 Start: 38385, Stop: 39287, Start Num: 217
Candidate Starts for Harambe_30:
(Start: 217 @38385 has 25 MA's), (293, 38523), (337, 38592), (375, 38640), (422, 38703), (437, 38739), (493, 38907), (597, 39141), (600, 39159), (627, 39264),

Gene: Hartsy_33 Start: 32410, Stop: 33570, Start Num: 83
Candidate Starts for Hartsy_33:
(Start: 83 @32410 has 436 MA's), (Start: 135 @32521 has 1 MA's), (161, 32566), (218, 32665), (247, 32725), (267, 32761), (283, 32785), (306, 32830), (311, 32836), (350, 32887), (390, 32926), (391, 32929), (399, 32941), (424, 32980), (437, 33013), (467, 33094), (497, 33187), (510, 33223), (514, 33232), (517, 33238), (609, 33463),

Gene: Harvey_33 Start: 32385, Stop: 33545, Start Num: 83
Candidate Starts for Harvey_33:
(Start: 83 @32385 has 436 MA's), (Start: 135 @32496 has 1 MA's), (161, 32541), (218, 32640), (247, 32700), (267, 32736), (283, 32760), (306, 32805), (311, 32811), (350, 32862), (390, 32901), (391, 32904), (399, 32916), (424, 32955), (437, 32988), (467, 33069), (480, 33114), (497, 33162), (510, 33198), (514, 33207), (517, 33213), (609, 33438),

Gene: HarveySr_33 Start: 32202, Stop: 33404, Start Num: 83
Candidate Starts for HarveySr_33:
(Start: 83 @32202 has 436 MA's), (99, 32235), (177, 32379), (183, 32388), (188, 32397), (209, 32436), (214, 32445), (222, 32463), (230, 32481), (237, 32499), (240, 32505), (249, 32517), (259, 32535), (267, 32550), (287, 32583), (303, 32610), (332, 32655), (371, 32736), (386, 32763), (397, 32781), (409, 32799), (432, 32841), (473, 32970), (506, 33060), (545, 33162), (575, 33219), (577, 33228), (594, 33267), (611, 33339), (627, 33381),

Gene: Hashim76_35 Start: 31239, Stop: 32393, Start Num: 80
Candidate Starts for Hashim76_35:
(Start: 80 @31239 has 12 MA's), (Start: 135 @31356 has 1 MA's), (171, 31416), (181, 31437), (190, 31446), (209, 31485), (214, 31494), (236, 31545), (270, 31605), (287, 31632), (311, 31674), (336, 31704), (379, 31752), (441, 31854), (445, 31866), (468, 31941), (498, 32037), (508, 32067), (517, 32085), (527, 32121), (580, 32223),

Gene: HayZem_32 Start: 36450, Stop: 37454, Start Num: 180
Candidate Starts for HayZem_32:
(Start: 180 @36450 has 3 MA's), (203, 36498), (214, 36516), (264, 36612), (269, 36621), (305, 36687), (357, 36768), (449, 36921), (459, 36948), (465, 36969), (495, 37071), (536, 37197), (587, 37299), (627, 37431),

Gene: Heath_29 Start: 32206, Stop: 33363, Start Num: 83
Candidate Starts for Heath_29:
(Start: 83 @32206 has 436 MA's), (Start: 128 @32299 has 1 MA's), (Start: 135 @32314 has 1 MA's), (Start: 143 @32329 has 31 MA's), (Start: 152 @32341 has 1 MA's), (161, 32359), (188, 32401), (236, 32500), (240, 32509), (253, 32527), (267, 32554), (275, 32569), (280, 32575), (283, 32581), (285, 32587), (303, 32614), (306, 32623), (324, 32656), (350, 32689), (383, 32707), (414, 32749), (429, 32779), (432, 32785), (440, 32806), (468, 32884), (469, 32887), (482, 32932), (517, 33031), (578, 33184),

Gene: Heathcliff_33 Start: 32184, Stop: 33386, Start Num: 83
Candidate Starts for Heathcliff_33:
(Start: 83 @32184 has 436 MA's), (99, 32217), (177, 32361), (183, 32370), (188, 32379), (209, 32418), (214, 32427), (222, 32445), (230, 32463), (237, 32481), (240, 32487), (249, 32499), (259, 32517),

(267, 32532), (287, 32565), (303, 32592), (332, 32637), (371, 32718), (386, 32745), (397, 32763), (409, 32781), (432, 32823), (441, 32847), (469, 32922), (473, 32952), (497, 33012), (500, 33024), (506, 33042), (545, 33144), (594, 33249), (596, 33255), (600, 33273), (626, 33360),

Gene: Hedgerow_33 Start: 32796, Stop: 33959, Start Num: 83
Candidate Starts for Hedgerow_33:
(46, 32649), (Start: 79 @32790 has 10 MA's), (Start: 83 @32796 has 436 MA's), (102, 32835), (114, 32865), (Start: 135 @32910 has 1 MA's), (161, 32955), (218, 33054), (247, 33114), (267, 33150), (283, 33174), (306, 33219), (311, 33225), (350, 33276), (390, 33315), (391, 33318), (399, 33330), (409, 33345), (424, 33369), (437, 33402), (467, 33483), (497, 33576), (510, 33612), (514, 33621), (517, 33627), (537, 33687), (609, 33852),

Gene: Heftyboy_27 Start: 24081, Stop: 25148, Start Num: 146
Candidate Starts for Heftyboy_27:
(Start: 146 @24081 has 97 MA's), (210, 24198), (236, 24255), (260, 24303), (264, 24309), (302, 24366), (303, 24369), (309, 24384), (323, 24411), (366, 24450), (369, 24453), (374, 24465), (376, 24468), (377, 24471), (385, 24486), (416, 24531), (420, 24537), (441, 24591), (461, 24639), (470, 24669), (484, 24714), (525, 24843), (546, 24897),

Gene: Hekos_30 Start: 30939, Stop: 32099, Start Num: 83
Candidate Starts for Hekos_30:
(Start: 83 @30939 has 436 MA's), (Start: 135 @31050 has 1 MA's), (161, 31095), (218, 31194), (247, 31254), (267, 31290), (283, 31314), (306, 31359), (311, 31365), (350, 31416), (390, 31455), (391, 31458), (399, 31470), (409, 31485), (424, 31509), (437, 31542), (467, 31623), (480, 31668), (497, 31716), (510, 31752), (514, 31761), (517, 31767), (609, 31992),

Gene: Held_33 Start: 32074, Stop: 33234, Start Num: 83
Candidate Starts for Held_33:
(Start: 83 @32074 has 436 MA's), (Start: 135 @32185 has 1 MA's), (161, 32230), (218, 32329), (247, 32389), (267, 32425), (283, 32449), (306, 32494), (311, 32500), (350, 32551), (390, 32590), (391, 32593), (399, 32605), (409, 32620), (424, 32644), (437, 32677), (467, 32758), (480, 32803), (497, 32851), (510, 32887), (514, 32896), (517, 32902), (609, 33127),

Gene: Hello_30 Start: 38347, Stop: 39249, Start Num: 217
Candidate Starts for Hello_30:
(Start: 217 @38347 has 25 MA's), (293, 38485), (337, 38554), (375, 38602), (422, 38665), (437, 38701), (493, 38869), (600, 39121), (627, 39226),

Gene: HenryJackson_32 Start: 32090, Stop: 33250, Start Num: 83
Candidate Starts for HenryJackson_32:
(Start: 83 @32090 has 436 MA's), (Start: 135 @32201 has 1 MA's), (161, 32246), (218, 32345), (247, 32405), (267, 32441), (283, 32465), (306, 32510), (311, 32516), (350, 32567), (390, 32606), (391, 32609), (399, 32621), (409, 32636), (424, 32660), (437, 32693), (467, 32774), (480, 32819), (497, 32867), (510, 32903), (514, 32912), (517, 32918), (609, 33143),

Gene: Hertubise_33 Start: 32381, Stop: 33541, Start Num: 83
Candidate Starts for Hertubise_33:
(Start: 83 @32381 has 436 MA's), (Start: 135 @32492 has 1 MA's), (161, 32537), (218, 32636), (247, 32696), (267, 32732), (283, 32756), (306, 32801), (311, 32807), (350, 32858), (390, 32897), (391, 32900), (399, 32912), (409, 32927), (424, 32951), (437, 32984), (467, 33065), (480, 33110), (497, 33158), (510, 33194), (514, 33203), (517, 33209), (609, 33434),

Gene: Hetaeria_33 Start: 32383, Stop: 33543, Start Num: 83

Candidate Starts for Hetaeria_33:
(Start: 83 @32383 has 436 MA's), (Start: 135 @32494 has 1 MA's), (161, 32539), (218, 32638), (247, 32698), (267, 32734), (283, 32758), (306, 32803), (311, 32809), (350, 32860), (390, 32899), (391, 32902), (399, 32914), (424, 32953), (437, 32986), (467, 33067), (480, 33112), (497, 33160), (510, 33196), (514, 33205), (517, 33211), (609, 33436),

Gene: HighStump_32 Start: 32073, Stop: 33233, Start Num: 83
Candidate Starts for HighStump_32:
(Start: 83 @32073 has 436 MA's), (Start: 135 @32184 has 1 MA's), (161, 32229), (218, 32328), (247, 32388), (267, 32424), (283, 32448), (306, 32493), (311, 32499), (350, 32550), (390, 32589), (391, 32592), (399, 32604), (409, 32619), (424, 32643), (437, 32676), (467, 32757), (480, 32802), (497, 32850), (510, 32886), (514, 32895), (517, 32901), (609, 33126),

Gene: Hilltopfarm_28 Start: 26055, Stop: 27092, Start Num: 146
Candidate Starts for Hilltopfarm_28:
(Start: 146 @26055 has 97 MA's), (214, 26178), (238, 26232), (258, 26268), (300, 26331), (333, 26379), (374, 26433), (376, 26436), (467, 26622), (473, 26658), (490, 26700), (497, 26718), (517, 26769),

Gene: Hocus_32 Start: 32082, Stop: 33242, Start Num: 83
Candidate Starts for Hocus_32:
(Start: 83 @32082 has 436 MA's), (Start: 135 @32193 has 1 MA's), (161, 32238), (218, 32337), (247, 32397), (267, 32433), (283, 32457), (306, 32502), (311, 32508), (350, 32559), (390, 32598), (391, 32601), (399, 32613), (424, 32652), (437, 32685), (467, 32766), (480, 32811), (497, 32859), (510, 32895), (514, 32904), (517, 32910), (609, 33135),

Gene: HogWash_32 Start: 32379, Stop: 33539, Start Num: 83
Candidate Starts for HogWash_32:
(Start: 83 @32379 has 436 MA's), (Start: 135 @32490 has 1 MA's), (161, 32535), (218, 32634), (247, 32694), (267, 32730), (283, 32754), (306, 32799), (311, 32805), (350, 32856), (390, 32895), (391, 32898), (399, 32910), (409, 32925), (424, 32949), (437, 32982), (467, 33063), (480, 33108), (497, 33156), (510, 33192), (514, 33201), (517, 33207), (609, 33432),

Gene: Holeinone_33 Start: 32676, Stop: 33839, Start Num: 83
Candidate Starts for Holeinone_33:
(46, 32529), (Start: 79 @32670 has 10 MA's), (Start: 83 @32676 has 436 MA's), (102, 32715), (114, 32745), (Start: 135 @32790 has 1 MA's), (161, 32835), (218, 32934), (247, 32994), (267, 33030), (283, 33054), (306, 33099), (311, 33105), (350, 33156), (390, 33195), (391, 33198), (399, 33210), (409, 33225), (424, 33249), (437, 33282), (467, 33363), (497, 33456), (510, 33492), (514, 33501), (517, 33507), (609, 33732),

Gene: HomeFry_50 Start: 34029, Stop: 35111, Start Num: 129
Candidate Starts for HomeFry_50:
(Start: 129 @34029 has 10 MA's), (190, 34146), (291, 34341), (444, 34566),

Gene: Horchata_33 Start: 32361, Stop: 33521, Start Num: 83
Candidate Starts for Horchata_33:
(Start: 83 @32361 has 436 MA's), (Start: 135 @32472 has 1 MA's), (161, 32517), (218, 32616), (247, 32676), (267, 32712), (283, 32736), (306, 32781), (311, 32787), (350, 32838), (390, 32877), (391, 32880), (399, 32892), (409, 32907), (424, 32931), (437, 32964), (467, 33045), (480, 33090), (497, 33138), (510, 33174), (514, 33183), (517, 33189), (609, 33414),

Gene: Hosp_025 Start: 28263, Stop: 29486, Start Num: 83

Candidate Starts for Hosp_025:
(Start: 83 @28263 has 436 MA's), (102, 28302), (127, 28353), (Start: 135 @28374 has 1 MA's), (Start: 143 @28389 has 31 MA's), (161, 28419), (199, 28479), (209, 28500), (210, 28503), (236, 28560), (267, 28614), (269, 28617), (272, 28623), (345, 28737), (405, 28806), (460, 28911), (506, 29043), (510, 29049), (564, 29172), (603, 29232), (613, 29286), (616, 29292), (630, 29340),

Gene: HubbaBubba_42 Start: 31720, Stop: 32760, Start Num: 128
Candidate Starts for HubbaBubba_42:
(Start: 128 @31720 has 1 MA's), (198, 31852), (291, 32035), (437, 32242), (441, 32251), (467, 32320), (468, 32323), (492, 32407), (553, 32560), (593, 32644), (594, 32653), (595, 32656), (615, 32752),

Gene: Hydro_30 Start: 32619, Stop: 33776, Start Num: 83
Candidate Starts for Hydro_30:
(Start: 83 @32619 has 436 MA's), (Start: 128 @32712 has 1 MA's), (Start: 135 @32727 has 1 MA's), (Start: 143 @32742 has 31 MA's), (Start: 152 @32754 has 1 MA's), (161, 32772), (188, 32814), (236, 32913), (240, 32922), (253, 32940), (267, 32967), (275, 32982), (280, 32988), (283, 32994), (285, 33000), (303, 33027), (306, 33036), (324, 33069), (350, 33102), (414, 33162), (429, 33192), (432, 33198), (449, 33243), (468, 33297), (469, 33300), (517, 33444), (578, 33597),

Gene: IPhane7_31 Start: 26992, Stop: 28047, Start Num: 146
Candidate Starts for IPhane7_31:
(Start: 146 @26992 has 97 MA's), (258, 27205), (280, 27241), (317, 27304), (376, 27376), (392, 27406), (406, 27427), (430, 27463), (441, 27499), (461, 27547), (467, 27568), (469, 27574), (473, 27604), (475, 27607), (493, 27655), (569, 27844), (576, 27865), (599, 27919),

Gene: Impisi_22 Start: 20207, Stop: 21247, Start Num: 146
Candidate Starts for Impisi_22:
(Start: 146 @20207 has 97 MA's), (232, 20372), (254, 20414), (293, 20483), (333, 20543), (369, 20588), (392, 20633), (435, 20702), (437, 20714), (461, 20771), (468, 20795), (500, 20900), (525, 20972), (540, 21017),

Gene: ImtiyazSitla_32 Start: 31924, Stop: 33084, Start Num: 83
Candidate Starts for ImtiyazSitla_32:
(Start: 83 @31924 has 436 MA's), (Start: 135 @32035 has 1 MA's), (161, 32080), (218, 32179), (247, 32239), (267, 32275), (283, 32299), (306, 32344), (311, 32350), (350, 32401), (390, 32440), (391, 32443), (399, 32455), (409, 32470), (424, 32494), (437, 32527), (467, 32608), (480, 32653), (497, 32701), (510, 32737), (514, 32746), (517, 32752), (609, 32977),

Gene: Imvubu_25 Start: 28919, Stop: 30094, Start Num: 80
Candidate Starts for Imvubu_25:
(Start: 80 @28919 has 12 MA's), (122, 29009), (Start: 135 @29036 has 1 MA's), (Start: 149 @29057 has 1 MA's), (181, 29117), (190, 29126), (209, 29165), (214, 29174), (222, 29192), (236, 29225), (270, 29285), (311, 29354), (322, 29372), (345, 29399), (354, 29414), (376, 29426), (441, 29534), (556, 29858), (588, 29933), (596, 29954), (605, 29984), (627, 30071),

Gene: Inchworm_33 Start: 32359, Stop: 33519, Start Num: 83
Candidate Starts for Inchworm_33:
(Start: 83 @32359 has 436 MA's), (Start: 135 @32470 has 1 MA's), (161, 32515), (218, 32614), (247, 32674), (267, 32710), (283, 32734), (306, 32779), (311, 32785), (350, 32836), (390, 32875), (391, 32878), (399, 32890), (409, 32905), (424, 32929), (437, 32962), (467, 33043), (480, 33088), (497, 33136), (510, 33172), (514, 33181), (517, 33187), (609, 33412),

Gene: Indlovu_29 Start: 31250, Stop: 32386, Start Num: 80

Candidate Starts for Indlovu_29:
(66, 31217), (Start: 80 @31250 has 12 MA's), (Start: 135 @31367 has 1 MA's), (181, 31448), (192, 31463), (209, 31496), (214, 31505), (240, 31565), (259, 31595), (272, 31619), (349, 31736), (448, 31877), (481, 31985), (500, 32042),

Gene: Indlulamithi_28 Start: 26439, Stop: 27758, Start Num: 61
Candidate Starts for Indlulamithi_28:
(Start: 61 @26439 has 1 MA's), (124, 26598), (Start: 153 @26655 has 2 MA's), (156, 26661), (185, 26718), (187, 26721), (214, 26775), (237, 26829), (308, 26961), (355, 27036), (372, 27054), (382, 27072), (489, 27339), (511, 27414), (549, 27513), (601, 27633),

Gene: Inverness_33 Start: 32373, Stop: 33533, Start Num: 83
Candidate Starts for Inverness_33:
(Start: 83 @32373 has 436 MA's), (Start: 135 @32484 has 1 MA's), (161, 32529), (218, 32628), (247, 32688), (267, 32724), (283, 32748), (306, 32793), (311, 32799), (350, 32850), (390, 32889), (391, 32892), (399, 32904), (409, 32919), (424, 32943), (437, 32976), (467, 33057), (480, 33102), (497, 33150), (510, 33186), (514, 33195), (517, 33201), (609, 33426),

Gene: InvictusManeo_27 Start: 24083, Stop: 25147, Start Num: 146
Candidate Starts for InvictusManeo_27:
(Start: 146 @24083 has 97 MA's), (197, 24173), (210, 24200), (238, 24263), (264, 24311), (289, 24350), (302, 24368), (323, 24413), (366, 24452), (392, 24500), (404, 24518), (441, 24593), (468, 24659), (494, 24749), (495, 24752), (497, 24755), (508, 24788), (542, 24887), (544, 24890), (581, 24974), (587, 24986), (624, 25103),

Gene: Iridessa_33 Start: 32075, Stop: 33235, Start Num: 83
Candidate Starts for Iridessa_33:
(Start: 83 @32075 has 436 MA's), (Start: 135 @32186 has 1 MA's), (161, 32231), (218, 32330), (247, 32390), (267, 32426), (283, 32450), (306, 32495), (311, 32501), (350, 32552), (390, 32591), (391, 32594), (399, 32606), (424, 32645), (437, 32678), (467, 32759), (497, 32852), (510, 32888), (514, 32897), (517, 32903), (609, 33128),

Gene: Iridoclysis_33 Start: 32353, Stop: 33513, Start Num: 83
Candidate Starts for Iridoclysis_33:
(Start: 83 @32353 has 436 MA's), (Start: 135 @32464 has 1 MA's), (161, 32509), (218, 32608), (247, 32668), (267, 32704), (283, 32728), (306, 32773), (311, 32779), (350, 32830), (390, 32869), (391, 32872), (399, 32884), (424, 32923), (437, 32956), (467, 33037), (480, 33082), (497, 33130), (510, 33166), (514, 33175), (517, 33181), (609, 33406),

Gene: IsaacEli_33 Start: 32377, Stop: 33537, Start Num: 83
Candidate Starts for IsaacEli_33:
(Start: 83 @32377 has 436 MA's), (Start: 135 @32488 has 1 MA's), (161, 32533), (218, 32632), (247, 32692), (267, 32728), (283, 32752), (306, 32797), (311, 32803), (350, 32854), (390, 32893), (391, 32896), (399, 32908), (409, 32923), (424, 32947), (437, 32980), (467, 33061), (480, 33106), (497, 33154), (510, 33190), (514, 33199), (517, 33205), (609, 33430),

Gene: ItsyBitsy1_33 Start: 32678, Stop: 33841, Start Num: 83
Candidate Starts for ItsyBitsy1_33:
(46, 32531), (Start: 79 @32672 has 10 MA's), (Start: 83 @32678 has 436 MA's), (102, 32717), (114, 32747), (Start: 135 @32792 has 1 MA's), (161, 32837), (218, 32936), (247, 32996), (267, 33032), (283, 33056), (306, 33101), (311, 33107), (350, 33158), (390, 33197), (391, 33200), (399, 33212), (409, 33227), (424, 33251), (437, 33284), (467, 33365), (497, 33458), (510, 33494), (514, 33503), (517, 33509), (609, 33734),

Gene: Izel_32 Start: 26991, Stop: 28046, Start Num: 146
Candidate Starts for Izel_32:
(Start: 146 @26991 has 97 MA's), (258, 27204), (280, 27240), (317, 27303), (376, 27375), (392, 27405), (406, 27426), (430, 27462), (441, 27498), (461, 27546), (467, 27567), (469, 27573), (473, 27603), (475, 27606), (493, 27654), (576, 27864), (599, 27918),

Gene: JAMaL_30 Start: 32789, Stop: 33946, Start Num: 83
Candidate Starts for JAMaL_30:
(Start: 83 @32789 has 436 MA's), (Start: 128 @32882 has 1 MA's), (Start: 135 @32897 has 1 MA's), (Start: 143 @32912 has 31 MA's), (Start: 152 @32924 has 1 MA's), (161, 32942), (214, 33032), (236, 33083), (240, 33092), (245, 33098), (253, 33110), (267, 33137), (275, 33152), (280, 33158), (283, 33164), (303, 33197), (306, 33206), (324, 33239), (350, 33272), (429, 33362), (432, 33368), (468, 33467), (469, 33470), (517, 33614), (578, 33767),

Gene: JDog_32 Start: 32090, Stop: 33250, Start Num: 83
Candidate Starts for JDog_32:
(Start: 83 @32090 has 436 MA's), (Start: 135 @32201 has 1 MA's), (161, 32246), (218, 32345), (247, 32405), (267, 32441), (283, 32465), (306, 32510), (311, 32516), (350, 32567), (390, 32606), (391, 32609), (399, 32621), (409, 32636), (424, 32660), (437, 32693), (467, 32774), (480, 32819), (497, 32867), (510, 32903), (514, 32912), (517, 32918), (609, 33143),

Gene: JF1_29 Start: 24585, Stop: 25589, Start Num: 178
Candidate Starts for JF1_29:
(Start: 178 @24585 has 14 MA's), (219, 24654), (275, 24753), (304, 24798), (306, 24804), (341, 24858), (347, 24867), (362, 24903), (385, 24948), (399, 24969), (403, 24975), (405, 24978), (467, 25110), (468, 25113), (506, 25236), (517, 25257), (616, 25524),

Gene: JacAttac_33 Start: 32359, Stop: 33519, Start Num: 83
Candidate Starts for JacAttac_33:
(Start: 83 @32359 has 436 MA's), (Start: 135 @32470 has 1 MA's), (161, 32515), (218, 32614), (247, 32674), (267, 32710), (283, 32734), (306, 32779), (311, 32785), (350, 32836), (390, 32875), (391, 32878), (399, 32890), (409, 32905), (424, 32929), (437, 32962), (467, 33043), (480, 33088), (497, 33136), (510, 33172), (514, 33181), (517, 33187), (609, 33412),

Gene: Jackstina_30 Start: 32142, Stop: 33344, Start Num: 83
Candidate Starts for Jackstina_30:
(Start: 83 @32142 has 436 MA's), (99, 32175), (177, 32319), (183, 32328), (188, 32337), (209, 32376), (214, 32385), (222, 32403), (230, 32421), (237, 32439), (240, 32445), (249, 32457), (259, 32475), (267, 32490), (287, 32523), (303, 32550), (332, 32595), (371, 32676), (386, 32703), (397, 32721), (409, 32739), (432, 32781), (473, 32910), (506, 33000), (545, 33102), (575, 33159), (577, 33168), (594, 33207), (611, 33279), (627, 33321),

Gene: JaguarMi_30 Start: 32084, Stop: 33241, Start Num: 83
Candidate Starts for JaguarMi_30:
(Start: 83 @32084 has 436 MA's), (Start: 128 @32177 has 1 MA's), (Start: 135 @32192 has 1 MA's), (Start: 143 @32207 has 31 MA's), (Start: 152 @32219 has 1 MA's), (161, 32237), (175, 32261), (188, 32279), (197, 32294), (236, 32378), (240, 32387), (253, 32405), (275, 32447), (280, 32453), (283, 32459), (285, 32465), (303, 32492), (306, 32501), (324, 32534), (350, 32567), (414, 32627), (429, 32657), (432, 32663), (468, 32762), (469, 32765), (502, 32876), (517, 32909), (578, 33062), (589, 33086), (594, 33098),

Gene: JakeO_32 Start: 32092, Stop: 33252, Start Num: 83

Candidate Starts for JakeO_32:
(Start: 83 @32092 has 436 MA's), (Start: 135 @32203 has 1 MA's), (161, 32248), (218, 32347), (247, 32407), (267, 32443), (283, 32467), (306, 32512), (311, 32518), (350, 32569), (390, 32608), (391, 32611), (399, 32623), (409, 32638), (424, 32662), (437, 32695), (467, 32776), (497, 32869), (510, 32905), (514, 32914), (517, 32920), (609, 33145),

Gene: Jalebi_32 Start: 30054, Stop: 31103, Start Num: 143
Candidate Starts for Jalebi_32:
(Start: 143 @30054 has 31 MA's), (210, 30168), (220, 30189), (258, 30264), (266, 30279), (303, 30342), (333, 30402), (404, 30504), (437, 30567), (498, 30738), (587, 30966),

Gene: Jamemuya19_30 Start: 27111, Stop: 28208, Start Num: 148
Candidate Starts for Jamemuya19_30:
(Start: 148 @27111 has 14 MA's), (210, 27225), (257, 27318), (277, 27351), (280, 27354), (281, 27357), (293, 27378), (302, 27390), (333, 27438), (377, 27501), (411, 27555), (454, 27651), (465, 27693), (538, 27927), (559, 27966), (595, 28053), (633, 28200),

Gene: Jamie19_21 Start: 19877, Stop: 21031, Start Num: 86
Candidate Starts for Jamie19_21:
(31, 19640), (39, 19682), (44, 19712), (50, 19742), (59, 19802), (69, 19856), (Start: 86 @19877 has 22 MA's), (124, 19958), (Start: 149 @20006 has 1 MA's), (181, 20066), (189, 20075), (199, 20090), (210, 20114), (222, 20138), (227, 20150), (267, 20225), (272, 20234), (285, 20258), (303, 20288), (379, 20372), (381, 20375), (393, 20396), (467, 20555), (493, 20645), (497, 20654), (506, 20684), (517, 20705), (627, 21008),

Gene: Jams_30 Start: 37556, Stop: 38458, Start Num: 217
Candidate Starts for Jams_30:
(Start: 217 @37556 has 25 MA's), (293, 37694), (337, 37763), (375, 37811), (422, 37874), (437, 37910), (493, 38078), (600, 38330), (627, 38435),

Gene: JangoPhett_33 Start: 32361, Stop: 33521, Start Num: 83
Candidate Starts for JangoPhett_33:
(Start: 83 @32361 has 436 MA's), (Start: 135 @32472 has 1 MA's), (161, 32517), (218, 32616), (247, 32676), (267, 32712), (283, 32736), (306, 32781), (311, 32787), (350, 32838), (390, 32877), (391, 32880), (399, 32892), (424, 32931), (437, 32964), (467, 33045), (480, 33090), (497, 33138), (510, 33174), (514, 33183), (517, 33189), (609, 33414),

Gene: Jbug01_32 Start: 31584, Stop: 32744, Start Num: 83
Candidate Starts for Jbug01_32:
(Start: 83 @31584 has 436 MA's), (Start: 135 @31695 has 1 MA's), (161, 31740), (218, 31839), (247, 31899), (267, 31935), (283, 31959), (306, 32004), (311, 32010), (350, 32061), (390, 32100), (391, 32103), (399, 32115), (424, 32154), (437, 32187), (467, 32268), (480, 32313), (497, 32361), (510, 32397), (514, 32406), (517, 32412), (609, 32637),

Gene: Jebeks_22 Start: 21284, Stop: 22321, Start Num: 146
Candidate Starts for Jebeks_22:
(Start: 131 @21260 has 18 MA's), (Start: 143 @21281 has 31 MA's), (Start: 146 @21284 has 97 MA's), (162, 21308), (232, 21446), (254, 21488), (293, 21557), (333, 21617), (369, 21662), (392, 21707), (437, 21788), (461, 21845), (468, 21869), (500, 21974), (525, 22046), (540, 22091), (616, 22256),

Gene: Jennelsea_19 Start: 20217, Stop: 21371, Start Num: 86
Candidate Starts for Jennelsea_19:

(Start: 80 @20214 has 12 MA's), (Start: 86 @20217 has 22 MA's), (124, 20298), (Start: 149 @20346 has 1 MA's), (181, 20406), (189, 20415), (199, 20430), (210, 20454), (222, 20478), (227, 20490), (267, 20565), (272, 20574), (285, 20598), (303, 20628), (379, 20712), (381, 20715), (393, 20736), (467, 20895), (493, 20985), (497, 20994), (506, 21024), (517, 21045), (627, 21348),

Gene: Jeon_25 Start: 29946, Stop: 31115, Start Num: 79
Candidate Starts for Jeon_25:
(Start: 79 @29946 has 10 MA's), (Start: 83 @29952 has 436 MA's), (102, 29991), (114, 30021), (Start: 135 @30066 has 1 MA's), (161, 30111), (218, 30210), (247, 30270), (267, 30306), (283, 30330), (306, 30375), (311, 30381), (350, 30432), (390, 30471), (391, 30474), (399, 30486), (409, 30501), (424, 30525), (437, 30558), (467, 30639), (480, 30684), (497, 30732), (510, 30768), (514, 30777), (517, 30783), (609, 31008),

Gene: Jesabah_33 Start: 32092, Stop: 33252, Start Num: 83
Candidate Starts for Jesabah_33:
(Start: 83 @32092 has 436 MA's), (Start: 135 @32203 has 1 MA's), (161, 32248), (218, 32347), (247, 32407), (267, 32443), (283, 32467), (306, 32512), (311, 32518), (350, 32569), (390, 32608), (391, 32611), (399, 32623), (409, 32638), (424, 32662), (437, 32695), (467, 32776), (480, 32821), (497, 32869), (510, 32905), (514, 32914), (517, 32920), (609, 33145),

Gene: Jillium_32 Start: 32083, Stop: 33243, Start Num: 83
Candidate Starts for Jillium_32:
(Start: 83 @32083 has 436 MA's), (Start: 135 @32194 has 1 MA's), (161, 32239), (218, 32338), (247, 32398), (267, 32434), (283, 32458), (306, 32503), (311, 32509), (350, 32560), (390, 32599), (391, 32602), (399, 32614), (409, 32629), (424, 32653), (437, 32686), (467, 32767), (480, 32812), (497, 32860), (510, 32896), (514, 32905), (517, 32911), (609, 33136),

Gene: Jiminy_32 Start: 31927, Stop: 33087, Start Num: 83
Candidate Starts for Jiminy_32:
(Start: 83 @31927 has 436 MA's), (Start: 135 @32038 has 1 MA's), (161, 32083), (218, 32182), (247, 32242), (267, 32278), (283, 32302), (306, 32347), (311, 32353), (350, 32404), (390, 32443), (391, 32446), (399, 32458), (424, 32497), (437, 32530), (467, 32611), (497, 32704), (510, 32740), (514, 32749), (517, 32755), (609, 32980),

Gene: Jiraiya_32 Start: 32080, Stop: 33240, Start Num: 83
Candidate Starts for Jiraiya_32:
(Start: 83 @32080 has 436 MA's), (Start: 135 @32191 has 1 MA's), (161, 32236), (218, 32335), (247, 32395), (267, 32431), (283, 32455), (306, 32500), (311, 32506), (350, 32557), (390, 32596), (391, 32599), (399, 32611), (409, 32626), (424, 32650), (437, 32683), (467, 32764), (497, 32857), (510, 32893), (514, 32902), (517, 32908), (609, 33133),

Gene: Jobypre_22 Start: 22247, Stop: 23464, Start Num: 91
Candidate Starts for Jobypre_22:
(Start: 91 @22247 has 34 MA's), (133, 22349), (140, 22361), (Start: 152 @22379 has 1 MA's), (157, 22388), (177, 22427), (201, 22463), (209, 22478), (211, 22484), (225, 22514), (227, 22517), (244, 22553), (250, 22565), (283, 22616), (284, 22619), (318, 22679), (329, 22706), (337, 22721), (342, 22727), (350, 22739), (379, 22799), (393, 22823), (432, 22883), (468, 22979), (473, 23012), (500, 23084), (510, 23108), (606, 23336), (609, 23348),

Gene: JoeDirt_21 Start: 21667, Stop: 22842, Start Num: 89
Candidate Starts for JoeDirt_21:
(Start: 89 @21667 has 7 MA's), (Start: 91 @21670 has 34 MA's), (Start: 149 @21796 has 1 MA's), (173, 21838), (177, 21850), (Start: 180 @21853 has 3 MA's), (201, 21886), (206, 21898), (230, 21946),

(237, 21964), (259, 22000), (267, 22015), (298, 22066), (315, 22096), (334, 22138), (352, 22162), (401, 22198), (405, 22204), (423, 22231), (432, 22249), (469, 22342), (470, 22345), (494, 22429), (547, 22567), (557, 22585), (593, 22669),

Gene: JohnLord_30 Start: 28947, Stop: 30107, Start Num: 83
Candidate Starts for JohnLord_30:
(Start: 83 @28947 has 436 MA's), (100, 28983), (102, 28986), (114, 29016), (Start: 135 @29061 has 1 MA's), (161, 29106), (163, 29109), (267, 29301), (283, 29325), (285, 29331), (304, 29364), (306, 29370), (311, 29376), (313, 29379), (350, 29427), (405, 29490), (407, 29493), (428, 29526), (452, 29592), (458, 29601), (467, 29631), (506, 29754), (511, 29763), (514, 29769),

Gene: Jolie1_027 Start: 30065, Stop: 31273, Start Num: 83
Candidate Starts for Jolie1_027:
(Start: 83 @30065 has 436 MA's), (102, 30104), (121, 30146), (125, 30155), (127, 30158), (Start: 135 @30179 has 1 MA's), (161, 30224), (183, 30263), (199, 30284), (209, 30305), (210, 30308), (236, 30365), (267, 30419), (269, 30422), (272, 30428), (291, 30464), (338, 30530), (345, 30542), (348, 30545), (353, 30551), (393, 30593), (447, 30674), (460, 30698), (508, 30833), (522, 30869), (564, 30959), (603, 31019), (613, 31073), (630, 31127),

Gene: Jolie2_23 Start: 22241, Stop: 23368, Start Num: 83
Candidate Starts for Jolie2_23:
(41, 22061), (62, 22184), (Start: 83 @22241 has 436 MA's), (267, 22592), (290, 22634), (342, 22709), (405, 22781), (471, 22820), (506, 22919), (508, 22922), (510, 22925), (567, 23051), (621, 23189),

Gene: Jormungandr_30 Start: 38100, Stop: 39002, Start Num: 217
Candidate Starts for Jormungandr_30:
(Start: 217 @38100 has 25 MA's), (293, 38238), (337, 38307), (375, 38355), (422, 38418), (437, 38454), (493, 38622), (597, 38856), (600, 38874), (627, 38979),

Gene: Journey_22 Start: 20223, Stop: 21437, Start Num: 131
Candidate Starts for Journey_22:
(38, 19893), (75, 20091), (Start: 130 @20220 has 6 MA's), (Start: 131 @20223 has 18 MA's), (268, 20484), (358, 20655), (439, 20805), (453, 20844), (488, 20946), (497, 20988), (619, 21360),

Gene: JoyceMaria_30 Start: 32605, Stop: 33762, Start Num: 83
Candidate Starts for JoyceMaria_30:
(Start: 83 @32605 has 436 MA's), (Start: 128 @32698 has 1 MA's), (Start: 135 @32713 has 1 MA's), (Start: 143 @32728 has 31 MA's), (Start: 152 @32740 has 1 MA's), (161, 32758), (188, 32800), (236, 32899), (240, 32908), (253, 32926), (275, 32968), (280, 32974), (283, 32980), (285, 32986), (303, 33013), (306, 33022), (324, 33055), (350, 33088), (414, 33148), (429, 33178), (432, 33184), (440, 33205), (449, 33229), (468, 33283), (469, 33286), (517, 33430),

Gene: Jubie_22 Start: 22248, Stop: 23465, Start Num: 91
Candidate Starts for Jubie_22:
(Start: 91 @22248 has 34 MA's), (133, 22350), (140, 22362), (Start: 152 @22380 has 1 MA's), (157, 22389), (177, 22428), (201, 22464), (209, 22479), (211, 22485), (225, 22515), (227, 22518), (244, 22554), (250, 22566), (283, 22617), (284, 22620), (318, 22680), (329, 22707), (337, 22722), (342, 22728), (350, 22740), (379, 22800), (393, 22824), (432, 22884), (468, 22980), (473, 23013), (500, 23085), (510, 23109), (606, 23337), (609, 23349),

Gene: Juliette_30 Start: 24531, Stop: 25565, Start Num: 144
Candidate Starts for Juliette_30:

(113, 24465), (Start: 144 @24531 has 5 MA's), (230, 24687), (231, 24690), (254, 24735), (258, 24744), (303, 24819), (369, 24906), (392, 24951), (437, 25032), (461, 25089), (468, 25113), (500, 25218), (525, 25290), (553, 25350), (616, 25500),

Gene: Jumbo_25 Start: 36377, Stop: 37471, Start Num: 150
Candidate Starts for Jumbo_25:
(Start: 150 @36377 has 30 MA's), (205, 36485), (264, 36602), (317, 36689), (430, 36851), (461, 36944), (467, 36965), (494, 37052), (595, 37319),

Gene: Jung_22 Start: 21225, Stop: 22292, Start Num: 146
Candidate Starts for Jung_22:
(Start: 131 @21201 has 18 MA's), (Start: 143 @21222 has 31 MA's), (Start: 146 @21225 has 97 MA's), (162, 21249), (230, 21381), (232, 21387), (254, 21429), (291, 21495), (293, 21498), (333, 21558), (369, 21603), (392, 21648), (437, 21729), (461, 21786), (468, 21810), (478, 21852), (524, 21981), (528, 22002),

Gene: Juniormint_22 Start: 21325, Stop: 22380, Start Num: 146
Candidate Starts for Juniormint_22:
(Start: 131 @21301 has 18 MA's), (Start: 143 @21322 has 31 MA's), (Start: 146 @21325 has 97 MA's), (162, 21349), (232, 21487), (254, 21529), (293, 21598), (333, 21676), (369, 21721), (392, 21766), (437, 21847), (461, 21904), (468, 21928), (500, 22033), (525, 22105), (540, 22150), (616, 22315),

Gene: JustASigh_22 Start: 22794, Stop: 23885, Start Num: 82
Candidate Starts for JustASigh_22:
(55, 22689), (Start: 82 @22794 has 4 MA's), (224, 23058), (309, 23202), (315, 23211), (388, 23322), (497, 23547), (624, 23841), (627, 23862),

Gene: KLucky39_33 Start: 32371, Stop: 33531, Start Num: 83
Candidate Starts for KLucky39_33:
(Start: 83 @32371 has 436 MA's), (Start: 135 @32482 has 1 MA's), (161, 32527), (218, 32626), (247, 32686), (267, 32722), (283, 32746), (306, 32791), (311, 32797), (350, 32848), (390, 32887), (391, 32890), (399, 32902), (409, 32917), (424, 32941), (437, 32974), (467, 33055), (480, 33100), (497, 33148), (510, 33184), (514, 33193), (517, 33199), (609, 33424),

Gene: Kabluna_48 Start: 35054, Stop: 36109, Start Num: 150
Candidate Starts for Kabluna_48:
(119, 34991), (Start: 150 @35054 has 30 MA's), (261, 35267), (380, 35450), (500, 35738), (627, 36083),

Gene: Kahve_32 Start: 32087, Stop: 33247, Start Num: 83
Candidate Starts for Kahve_32:
(Start: 83 @32087 has 436 MA's), (Start: 135 @32198 has 1 MA's), (161, 32243), (218, 32342), (247, 32402), (267, 32438), (283, 32462), (306, 32507), (311, 32513), (350, 32564), (390, 32603), (391, 32606), (399, 32618), (409, 32633), (424, 32657), (437, 32690), (467, 32771), (480, 32816), (497, 32864), (510, 32900), (514, 32909), (517, 32915), (609, 33140),

Gene: Kailash_33 Start: 32425, Stop: 33585, Start Num: 83
Candidate Starts for Kailash_33:
(Start: 83 @32425 has 436 MA's), (Start: 135 @32536 has 1 MA's), (161, 32581), (218, 32680), (247, 32740), (267, 32776), (283, 32800), (306, 32845), (311, 32851), (350, 32902), (390, 32941), (391, 32944), (399, 32956), (424, 32995), (437, 33028), (467, 33109), (497, 33202), (510, 33238), (514, 33247), (517, 33253), (609, 33478),

Gene: Kaleb_33 Start: 32811, Stop: 33974, Start Num: 83
Candidate Starts for Kaleb_33:
(46, 32664), (Start: 79 @32805 has 10 MA's), (Start: 83 @32811 has 436 MA's), (102, 32850), (114, 32880), (Start: 135 @32925 has 1 MA's), (161, 32970), (218, 33069), (247, 33129), (267, 33165), (283, 33189), (306, 33234), (311, 33240), (350, 33291), (390, 33330), (391, 33333), (399, 33345), (409, 33360), (424, 33384), (437, 33417), (467, 33498), (480, 33543), (497, 33591), (510, 33627), (514, 33636), (517, 33642), (609, 33867),

Gene: Kamiyu_33 Start: 32188, Stop: 33390, Start Num: 83
Candidate Starts for Kamiyu_33:
(Start: 83 @32188 has 436 MA's), (99, 32221), (177, 32365), (183, 32374), (188, 32383), (209, 32422), (214, 32431), (222, 32449), (230, 32467), (237, 32485), (240, 32491), (249, 32503), (259, 32521), (267, 32536), (287, 32569), (303, 32596), (332, 32641), (371, 32722), (386, 32749), (397, 32767), (409, 32785), (432, 32827), (473, 32956), (479, 32965), (506, 33046), (545, 33148), (575, 33205), (577, 33214), (594, 33253), (611, 33325), (627, 33367),

Gene: KarasumaRum_34 Start: 32734, Stop: 34239, Start Num: 29
Candidate Starts for KarasumaRum_34:
(Start: 29 @32734 has 11 MA's), (34, 32773), (48, 32845), (57, 32905), (60, 32923), (63, 32938), (Start: 180 @33190 has 3 MA's), (192, 33220), (201, 33238), (215, 33265), (227, 33292), (283, 33394), (304, 33433), (313, 33448), (350, 33523), (369, 33568), (371, 33574), (376, 33583), (432, 33679), (458, 33745), (469, 33781), (543, 33994), (596, 34105), (631, 34225),

Gene: Kari_22 Start: 21299, Stop: 22336, Start Num: 146
Candidate Starts for Kari_22:
(Start: 131 @21275 has 18 MA's), (Start: 143 @21296 has 31 MA's), (Start: 146 @21299 has 97 MA's), (162, 21323), (232, 21461), (254, 21503), (293, 21572), (333, 21632), (369, 21677), (392, 21722), (437, 21803), (461, 21860), (468, 21884), (500, 21989), (525, 22061), (540, 22106), (616, 22271),

Gene: Karn_32 Start: 32087, Stop: 33247, Start Num: 83
Candidate Starts for Karn_32:
(Start: 83 @32087 has 436 MA's), (Start: 135 @32198 has 1 MA's), (161, 32243), (218, 32342), (247, 32402), (267, 32438), (283, 32462), (306, 32507), (311, 32513), (350, 32564), (390, 32603), (391, 32606), (399, 32618), (424, 32657), (437, 32690), (467, 32771), (497, 32864), (510, 32900), (514, 32909), (517, 32915), (609, 33140),

Gene: Kaseim_30 Start: 37541, Stop: 38443, Start Num: 217
Candidate Starts for Kaseim_30:
(Start: 217 @37541 has 25 MA's), (293, 37679), (337, 37748), (375, 37796), (422, 37859), (437, 37895), (493, 38063), (600, 38315), (627, 38420),

Gene: Katniss_33 Start: 32386, Stop: 33546, Start Num: 83
Candidate Starts for Katniss_33:
(Start: 83 @32386 has 436 MA's), (Start: 135 @32497 has 1 MA's), (161, 32542), (218, 32641), (247, 32701), (267, 32737), (283, 32761), (306, 32806), (311, 32812), (350, 32863), (390, 32902), (391, 32905), (399, 32917), (409, 32932), (424, 32956), (437, 32989), (467, 33070), (480, 33115), (497, 33163), (510, 33199), (514, 33208), (517, 33214), (609, 33439),

Gene: KayaCho_27 Start: 30061, Stop: 31269, Start Num: 83
Candidate Starts for KayaCho_27:

(16, 29536), (23, 29638), (Start: 83 @30061 has 436 MA's), (102, 30100), (127, 30154), (Start: 135 @30175 has 1 MA's), (Start: 143 @30190 has 31 MA's), (161, 30220), (171, 30235), (209, 30301), (210, 30304), (236, 30361), (237, 30364), (267, 30415), (269, 30418), (272, 30424), (275, 30430), (296, 30466), (345, 30538), (348, 30541), (393, 30589), (405, 30607), (460, 30694), (508, 30829), (562, 30952), (564, 30955), (603, 31015), (613, 31069), (616, 31075), (630, 31123),

Gene: Keitherie_33 Start: 32424, Stop: 33584, Start Num: 83
Candidate Starts for Keitherie_33:
(Start: 83 @32424 has 436 MA's), (Start: 135 @32535 has 1 MA's), (161, 32580), (218, 32679), (247, 32739), (267, 32775), (283, 32799), (306, 32844), (311, 32850), (350, 32901), (390, 32940), (391, 32943), (399, 32955), (424, 32994), (437, 33027), (467, 33108), (480, 33153), (497, 33201), (510, 33237), (514, 33246), (517, 33252), (609, 33477),

Gene: Kevin1_22 Start: 19999, Stop: 21036, Start Num: 144
Candidate Starts for Kevin1_22:
(113, 19933), (Start: 144 @19999 has 5 MA's), (230, 20155), (232, 20161), (291, 20269), (303, 20287), (369, 20377), (392, 20422), (437, 20503), (468, 20584), (494, 20671), (500, 20689), (525, 20761), (540, 20806), (616, 20971),

Gene: Keziacharles14_32 Start: 24883, Stop: 26085, Start Num: 90
Candidate Starts for Keziacharles14_32:
(Start: 90 @24883 has 2 MA's), (169, 25045), (Start: 180 @25066 has 3 MA's), (219, 25135), (230, 25159), (262, 25219), (272, 25237), (283, 25252), (289, 25267), (320, 25321), (390, 25453), (399, 25468), (424, 25504), (467, 25612), (468, 25615), (472, 25642), (473, 25648), (517, 25759),

Gene: Khan1_32 Start: 32108, Stop: 33268, Start Num: 83
Candidate Starts for Khan1_32:
(Start: 83 @32108 has 436 MA's), (Start: 135 @32219 has 1 MA's), (161, 32264), (218, 32363), (247, 32423), (267, 32459), (283, 32483), (306, 32528), (311, 32534), (350, 32585), (390, 32624), (391, 32627), (399, 32639), (409, 32654), (424, 32678), (437, 32711), (467, 32792), (480, 32837), (497, 32885), (510, 32921), (514, 32930), (517, 32936), (609, 33161),

Gene: Kheth_33 Start: 32696, Stop: 33862, Start Num: 83
Candidate Starts for Kheth_33:
(Start: 79 @32690 has 10 MA's), (Start: 83 @32696 has 436 MA's), (102, 32735), (114, 32765), (Start: 135 @32810 has 1 MA's), (161, 32855), (218, 32954), (247, 33014), (267, 33050), (283, 33074), (306, 33119), (311, 33125), (350, 33176), (390, 33215), (391, 33218), (399, 33230), (409, 33245), (424, 33269), (437, 33302), (467, 33383), (497, 33476), (510, 33512), (514, 33521), (517, 33527), (609, 33752),

Gene: Kikipoo_33 Start: 32377, Stop: 33537, Start Num: 83
Candidate Starts for Kikipoo_33:
(Start: 83 @32377 has 436 MA's), (Start: 135 @32488 has 1 MA's), (161, 32533), (218, 32632), (247, 32692), (267, 32728), (283, 32752), (306, 32797), (311, 32803), (350, 32854), (390, 32893), (391, 32896), (399, 32908), (409, 32923), (424, 32947), (437, 32980), (467, 33061), (480, 33106), (497, 33154), (510, 33190), (514, 33199), (517, 33205), (609, 33430),

Gene: KilKor_22 Start: 21561, Stop: 22601, Start Num: 141
Candidate Starts for KilKor_22:
(Start: 141 @21561 has 12 MA's), (230, 21720), (232, 21726), (254, 21768), (291, 21834), (293, 21837), (333, 21897), (369, 21942), (392, 21987), (437, 22068), (461, 22125), (468, 22149), (500, 22254), (525, 22326), (540, 22371),

Gene: Kimbrough_33 Start: 32079, Stop: 33239, Start Num: 83
Candidate Starts for Kimbrough_33:
(Start: 83 @32079 has 436 MA's), (Start: 135 @32190 has 1 MA's), (161, 32235), (218, 32334), (247, 32394), (267, 32430), (283, 32454), (306, 32499), (311, 32505), (350, 32556), (390, 32595), (391, 32598), (399, 32610), (409, 32625), (424, 32649), (437, 32682), (467, 32763), (480, 32808), (497, 32856), (510, 32892), (514, 32901), (517, 32907), (609, 33132),

Gene: Kinbote_27 Start: 23371, Stop: 24609, Start Num: 83
Candidate Starts for Kinbote_27:
(13, 22759), (14, 22825), (20, 22915), (21, 22918), (28, 23068), (36, 23155), (37, 23158), (59, 23296), (Start: 83 @23371 has 436 MA's), (126, 23467), (138, 23494), (Start: 141 @23500 has 12 MA's), (163, 23539), (167, 23548), (195, 23593), (201, 23605), (220, 23644), (249, 23701), (278, 23752), (286, 23767), (306, 23806), (325, 23839), (341, 23860), (345, 23866), (360, 23902), (365, 23914), (367, 23917), (393, 23965), (397, 23971), (399, 23974), (405, 23983), (467, 24121), (497, 24214), (519, 24271), (520, 24277), (553, 24361), (558, 24376), (560, 24379), (591, 24445), (598, 24478),

Gene: KingTut_24 Start: 27748, Stop: 28908, Start Num: 83
Candidate Starts for KingTut_24:
(Start: 83 @27748 has 436 MA's), (Start: 135 @27859 has 1 MA's), (161, 27904), (218, 28003), (247, 28063), (267, 28099), (283, 28123), (306, 28168), (311, 28174), (350, 28225), (390, 28264), (391, 28267), (399, 28279), (409, 28294), (424, 28318), (437, 28351), (467, 28432), (480, 28477), (497, 28525), (510, 28561), (514, 28570), (517, 28576), (609, 28801),

Gene: KingVeVeVe_33 Start: 32352, Stop: 33512, Start Num: 83
Candidate Starts for KingVeVeVe_33:
(Start: 83 @32352 has 436 MA's), (Start: 135 @32463 has 1 MA's), (161, 32508), (218, 32607), (247, 32667), (267, 32703), (283, 32727), (306, 32772), (311, 32778), (350, 32829), (390, 32868), (391, 32871), (399, 32883), (409, 32898), (424, 32922), (437, 32955), (467, 33036), (480, 33081), (497, 33129), (510, 33165), (514, 33174), (517, 33180), (609, 33405),

Gene: Kingsolomon_22 Start: 22247, Stop: 23464, Start Num: 91
Candidate Starts for Kingsolomon_22:
(Start: 91 @22247 has 34 MA's), (133, 22349), (140, 22361), (Start: 152 @22379 has 1 MA's), (157, 22388), (177, 22427), (201, 22463), (209, 22478), (211, 22484), (225, 22514), (227, 22517), (244, 22553), (250, 22565), (283, 22616), (284, 22619), (318, 22679), (329, 22706), (337, 22721), (342, 22727), (350, 22739), (379, 22799), (393, 22823), (432, 22883), (468, 22979), (473, 23012), (500, 23084), (510, 23108), (606, 23336), (609, 23348),

Gene: KirDoubleO7_20 Start: 22241, Stop: 23458, Start Num: 91
Candidate Starts for KirDoubleO7_20:
(Start: 91 @22241 has 34 MA's), (101, 22268), (133, 22343), (140, 22355), (Start: 152 @22373 has 1 MA's), (177, 22421), (201, 22457), (209, 22472), (211, 22478), (225, 22508), (250, 22559), (272, 22595), (283, 22610), (284, 22613), (342, 22721), (350, 22733), (379, 22793), (393, 22817), (432, 22877), (473, 23006), (477, 23012), (500, 23078),

Gene: Kiwot_32 Start: 31933, Stop: 33093, Start Num: 83
Candidate Starts for Kiwot_32:
(Start: 83 @31933 has 436 MA's), (Start: 135 @32044 has 1 MA's), (161, 32089), (218, 32188), (247, 32248), (267, 32284), (283, 32308), (306, 32353), (311, 32359), (350, 32410), (390, 32449), (391, 32452), (399, 32464), (424, 32503), (437, 32536), (467, 32617), (480, 32662), (497, 32710), (510, 32746), (514, 32755), (517, 32761),

Gene: KleverKiS_31 Start: 26972, Stop: 28027, Start Num: 146

Candidate Starts for KleverKiS_31:
(Start: 146 @26972 has 97 MA's), (258, 27185), (280, 27221), (317, 27284), (376, 27356), (392, 27386), (406, 27407), (430, 27443), (441, 27479), (461, 27527), (467, 27548), (469, 27554), (473, 27584), (475, 27587), (493, 27635), (576, 27845), (599, 27899),

Gene: KlimbOn_33 Start: 32365, Stop: 33525, Start Num: 83
Candidate Starts for KlimbOn_33:
(Start: 83 @32365 has 436 MA's), (Start: 135 @32476 has 1 MA's), (161, 32521), (218, 32620), (247, 32680), (267, 32716), (283, 32740), (306, 32785), (311, 32791), (350, 32842), (390, 32881), (391, 32884), (399, 32896), (409, 32911), (424, 32935), (437, 32968), (467, 33049), (480, 33094), (497, 33142), (510, 33178), (514, 33187), (517, 33193), (609, 33418),

Gene: Kloppinator_33 Start: 32388, Stop: 33548, Start Num: 83
Candidate Starts for Kloppinator_33:
(Start: 83 @32388 has 436 MA's), (Start: 135 @32499 has 1 MA's), (161, 32544), (218, 32643), (247, 32703), (267, 32739), (283, 32763), (306, 32808), (311, 32814), (350, 32865), (390, 32904), (391, 32907), (399, 32919), (424, 32958), (437, 32991), (467, 33072), (480, 33117), (497, 33165), (510, 33201), (514, 33210), (517, 33216), (609, 33441),

Gene: Knocker_33 Start: 33872, Stop: 35014, Start Num: 80
Candidate Starts for Knocker_33:
(Start: 80 @33872 has 12 MA's), (Start: 135 @33989 has 1 MA's), (Start: 152 @34016 has 1 MA's), (157, 34025), (171, 34049), (181, 34070), (190, 34079), (201, 34103), (209, 34118), (210, 34121), (214, 34127), (236, 34178), (240, 34187), (252, 34205), (259, 34217), (260, 34220), (272, 34241), (303, 34292), (311, 34307), (317, 34319), (340, 34343), (345, 34352), (376, 34379), (379, 34385), (417, 34445), (424, 34457), (441, 34487), (445, 34499), (468, 34574), (493, 34658), (498, 34670), (508, 34700), (517, 34718), (554, 34799), (566, 34826), (569, 34829), (573, 34838),

Gene: Koella_19 Start: 20229, Stop: 21383, Start Num: 86
Candidate Starts for Koella_19:
(Start: 80 @20226 has 12 MA's), (Start: 86 @20229 has 22 MA's), (124, 20310), (Start: 149 @20358 has 1 MA's), (181, 20418), (189, 20427), (199, 20442), (210, 20466), (222, 20490), (227, 20502), (267, 20577), (272, 20586), (285, 20610), (303, 20640), (379, 20724), (381, 20727), (393, 20748), (467, 20907), (493, 20997), (497, 21006), (506, 21036), (517, 21057), (627, 21360),

Gene: Kolhan_33 Start: 32690, Stop: 33853, Start Num: 83
Candidate Starts for Kolhan_33:
(46, 32543), (Start: 79 @32684 has 10 MA's), (Start: 83 @32690 has 436 MA's), (102, 32729), (114, 32759), (Start: 135 @32804 has 1 MA's), (161, 32849), (218, 32948), (247, 33008), (267, 33044), (283, 33068), (306, 33113), (311, 33119), (350, 33170), (390, 33209), (391, 33212), (399, 33224), (424, 33263), (437, 33296), (467, 33377), (497, 33470), (510, 33506), (514, 33515), (517, 33521), (609, 33746),

Gene: Kratio_26 Start: 23714, Stop: 24778, Start Num: 146
Candidate Starts for Kratio_26:
(Start: 146 @23714 has 97 MA's), (197, 23804), (211, 23834), (238, 23894), (264, 23942), (289, 23981), (302, 23999), (366, 24083), (392, 24131), (404, 24149), (441, 24224), (468, 24290), (494, 24380), (495, 24383), (497, 24386), (508, 24419), (542, 24518), (544, 24521), (581, 24605), (587, 24617), (624, 24734),

Gene: Kraw_29 Start: 24509, Stop: 25513, Start Num: 178
Candidate Starts for Kraw_29:

(Start: 178 @24509 has 14 MA's), (219, 24578), (275, 24677), (304, 24722), (306, 24728), (341, 24782), (347, 24791), (362, 24827), (385, 24872), (399, 24893), (403, 24899), (405, 24902), (467, 25034), (468, 25037), (506, 25160), (517, 25181), (616, 25448),

Gene: Kronus_32 Start: 32802, Stop: 34004, Start Num: 83
Candidate Starts for Kronus_32:
(Start: 83 @32802 has 436 MA's), (99, 32835), (177, 32979), (183, 32988), (188, 32997), (209, 33036), (214, 33045), (222, 33063), (230, 33081), (237, 33099), (240, 33105), (249, 33117), (259, 33135), (267, 33150), (287, 33183), (303, 33210), (332, 33255), (371, 33336), (386, 33363), (397, 33381), (409, 33399), (432, 33441), (441, 33465), (469, 33540), (473, 33570), (497, 33630), (500, 33642), (506, 33660), (543, 33759), (545, 33762), (594, 33867), (596, 33873), (600, 33891), (626, 33978),

Gene: Kropertea_21 Start: 21486, Stop: 22568, Start Num: 105
Candidate Starts for Kropertea_21:
(Start: 105 @21486 has 6 MA's), (247, 21738), (271, 21777), (276, 21786), (279, 21789), (295, 21816), (301, 21825), (315, 21849), (353, 21903), (354, 21906), (421, 21960), (470, 22080), (476, 22113), (478, 22116), (500, 22176), (517, 22215), (521, 22230), (563, 22341), (584, 22389),

Gene: Krypton555_22 Start: 22170, Stop: 23369, Start Num: 91
Candidate Starts for Krypton555_22:
(Start: 91 @22170 has 34 MA's), (133, 22272), (140, 22284), (Start: 152 @22302 has 1 MA's), (177, 22350), (204, 22395), (209, 22401), (225, 22437), (244, 22476), (247, 22482), (250, 22488), (275, 22530), (318, 22602), (342, 22650), (350, 22662), (354, 22668), (432, 22806), (450, 22851), (467, 22899), (473, 22935), (494, 22989), (500, 23007), (508, 23028), (569, 23178), (580, 23199), (618, 23307),

Gene: Ksquared_22 Start: 21321, Stop: 22358, Start Num: 146
Candidate Starts for Ksquared_22:
(Start: 131 @21297 has 18 MA's), (Start: 143 @21318 has 31 MA's), (Start: 146 @21321 has 97 MA's), (162, 21345), (232, 21483), (254, 21525), (293, 21594), (333, 21654), (369, 21699), (392, 21744), (437, 21825), (461, 21882), (468, 21906), (500, 22011), (525, 22083), (540, 22128), (616, 22293),

Gene: Kwadwo_32 Start: 32069, Stop: 33229, Start Num: 83
Candidate Starts for Kwadwo_32:
(Start: 83 @32069 has 436 MA's), (Start: 135 @32180 has 1 MA's), (161, 32225), (218, 32324), (247, 32384), (267, 32420), (283, 32444), (306, 32489), (311, 32495), (350, 32546), (390, 32585), (391, 32588), (399, 32600), (409, 32615), (424, 32639), (437, 32672), (467, 32753), (480, 32798), (497, 32846), (510, 32882), (514, 32891), (517, 32897), (609, 33122),

Gene: Kwksand96_32 Start: 31938, Stop: 33098, Start Num: 83
Candidate Starts for Kwksand96_32:
(Start: 83 @31938 has 436 MA's), (Start: 135 @32049 has 1 MA's), (161, 32094), (218, 32193), (247, 32253), (267, 32289), (283, 32313), (306, 32358), (311, 32364), (350, 32415), (390, 32454), (391, 32457), (399, 32469), (409, 32484), (424, 32508), (437, 32541), (467, 32622), (480, 32667), (497, 32715), (510, 32751), (514, 32760), (517, 32766), (609, 32991),

Gene: Labeouficaum_32 Start: 31933, Stop: 33093, Start Num: 83
Candidate Starts for Labeouficaum_32:
(Start: 83 @31933 has 436 MA's), (Start: 135 @32044 has 1 MA's), (161, 32089), (218, 32188), (247, 32248), (267, 32284), (283, 32308), (306, 32353), (311, 32359), (350, 32410), (390, 32449), (391, 32452), (399, 32464), (409, 32479), (424, 32503), (437, 32536), (467, 32617), (480, 32662), (497, 32710), (510, 32746), (514, 32755), (517, 32761), (609, 32986),

Gene: Lahirium_30 Start: 38622, Stop: 39524, Start Num: 217
Candidate Starts for Lahirium_30:
(Start: 217 @38622 has 25 MA's), (293, 38760), (337, 38829), (375, 38877), (422, 38940), (437, 38976), (493, 39144), (597, 39378), (600, 39396), (627, 39501),

Gene: Lambano_29 Start: 31590, Stop: 32747, Start Num: 83
Candidate Starts for Lambano_29:
(Start: 83 @31590 has 436 MA's), (Start: 128 @31683 has 1 MA's), (Start: 135 @31698 has 1 MA's), (Start: 143 @31713 has 31 MA's), (Start: 152 @31725 has 1 MA's), (161, 31743), (214, 31833), (236, 31884), (240, 31893), (245, 31899), (253, 31911), (267, 31938), (275, 31953), (280, 31959), (283, 31965), (303, 31998), (306, 32007), (324, 32040), (350, 32073), (429, 32163), (432, 32169), (468, 32268), (469, 32271), (517, 32415), (578, 32568),

Gene: Lambo_33 Start: 29541, Stop: 30587, Start Num: 143
Candidate Starts for Lambo_33:
(Start: 143 @29541 has 31 MA's), (210, 29655), (220, 29676), (258, 29751), (266, 29766), (385, 29964), (430, 30030), (435, 30042), (461, 30111), (506, 30252),

Gene: Langerak_22 Start: 21280, Stop: 22320, Start Num: 143
Candidate Starts for Langerak_22:
(Start: 131 @21259 has 18 MA's), (Start: 143 @21280 has 31 MA's), (Start: 146 @21283 has 97 MA's), (162, 21307), (232, 21445), (254, 21487), (293, 21556), (333, 21616), (369, 21661), (392, 21706), (437, 21787), (461, 21844), (468, 21868), (500, 21973), (525, 22045), (540, 22090), (616, 22255),

Gene: Lars_33 Start: 32801, Stop: 33964, Start Num: 83
Candidate Starts for Lars_33:
(46, 32654), (Start: 79 @32795 has 10 MA's), (Start: 83 @32801 has 436 MA's), (102, 32840), (114, 32870), (Start: 135 @32915 has 1 MA's), (161, 32960), (218, 33059), (247, 33119), (267, 33155), (283, 33179), (306, 33224), (311, 33230), (350, 33281), (390, 33320), (391, 33323), (399, 33335), (409, 33350), (424, 33374), (437, 33407), (467, 33488), (497, 33581), (510, 33617), (514, 33626), (517, 33632), (537, 33692), (609, 33857),

Gene: Larson_34 Start: 32482, Stop: 33642, Start Num: 83
Candidate Starts for Larson_34:
(Start: 83 @32482 has 436 MA's), (Start: 135 @32593 has 1 MA's), (161, 32638), (218, 32737), (247, 32797), (267, 32833), (283, 32857), (306, 32902), (311, 32908), (350, 32959), (390, 32998), (391, 33001), (399, 33013), (424, 33052), (437, 33085), (467, 33166), (480, 33211), (497, 33259), (510, 33295), (514, 33304), (517, 33310), (609, 33535),

Gene: Larva_28 Start: 23878, Stop: 24942, Start Num: 146
Candidate Starts for Larva_28:
(Start: 146 @23878 has 97 MA's), (197, 23968), (211, 23998), (236, 24052), (238, 24058), (264, 24106), (289, 24145), (302, 24163), (303, 24166), (366, 24247), (392, 24295), (404, 24313), (468, 24454), (494, 24544), (495, 24547), (497, 24550), (508, 24583), (514, 24595), (542, 24682), (544, 24685), (587, 24781), (624, 24898),

Gene: LasagnaCat_33 Start: 32371, Stop: 33531, Start Num: 83
Candidate Starts for LasagnaCat_33:
(Start: 83 @32371 has 436 MA's), (Start: 135 @32482 has 1 MA's), (161, 32527), (218, 32626), (247, 32686), (267, 32722), (283, 32746), (306, 32791), (311, 32797), (350, 32848), (390, 32887), (391, 32890), (399, 32902), (424, 32941), (437, 32974), (467, 33055), (497, 33148), (510, 33184), (514,

33193), (517, 33199), (609, 33424),

Gene: Lasso_33 Start: 32344, Stop: 33504, Start Num: 83
Candidate Starts for Lasso_33:
(Start: 83 @32344 has 436 MA's), (Start: 135 @32455 has 1 MA's), (161, 32500), (218, 32599), (247, 32659), (267, 32695), (283, 32719), (306, 32764), (311, 32770), (350, 32821), (390, 32860), (391, 32863), (399, 32875), (409, 32890), (424, 32914), (437, 32947), (467, 33028), (480, 33073), (497, 33121), (510, 33157), (514, 33166), (517, 33172), (609, 33397),

Gene: LastJedi_19 Start: 20260, Stop: 21414, Start Num: 86
Candidate Starts for LastJedi_19:
(Start: 80 @20257 has 12 MA's), (Start: 86 @20260 has 22 MA's), (124, 20341), (Start: 149 @20389 has 1 MA's), (181, 20449), (189, 20458), (199, 20473), (210, 20497), (222, 20521), (227, 20533), (267, 20608), (272, 20617), (285, 20641), (303, 20671), (379, 20755), (381, 20758), (393, 20779), (467, 20938), (493, 21028), (497, 21037), (506, 21067), (517, 21088), (627, 21391),

Gene: Laurie_33 Start: 32132, Stop: 33340, Start Num: 76
Candidate Starts for Laurie_33:
(Start: 74 @32129 has 2 MA's), (Start: 76 @32132 has 7 MA's), (109, 32201), (Start: 152 @32270 has 1 MA's), (170, 32300), (177, 32312), (181, 32318), (183, 32321), (188, 32330), (209, 32369), (214, 32378), (219, 32390), (247, 32447), (253, 32456), (259, 32468), (262, 32474), (267, 32483), (293, 32528), (303, 32543), (332, 32588), (365, 32657), (372, 32672), (379, 32684), (393, 32708), (424, 32756), (427, 32762), (432, 32774), (441, 32798), (469, 32873), (473, 32903), (497, 32963), (500, 32975), (506, 32993), (543, 33092), (545, 33095), (594, 33200), (596, 33206), (611, 33272), (614, 33275),

Gene: LavAbarElk_31 Start: 27993, Stop: 29042, Start Num: 143
Candidate Starts for LavAbarElk_31:
(Start: 143 @27993 has 31 MA's), (210, 28107), (220, 28128), (258, 28203), (266, 28218), (303, 28281), (333, 28341), (404, 28443), (437, 28506), (498, 28677), (550, 28812), (587, 28905),

Gene: LeBron_21 Start: 21711, Stop: 22886, Start Num: 89
Candidate Starts for LeBron_21:
(Start: 89 @21711 has 7 MA's), (Start: 91 @21714 has 34 MA's), (Start: 149 @21840 has 1 MA's), (173, 21882), (177, 21894), (Start: 180 @21897 has 3 MA's), (201, 21930), (206, 21942), (230, 21990), (237, 22008), (259, 22044), (267, 22059), (298, 22110), (315, 22140), (334, 22182), (352, 22206), (401, 22242), (405, 22248), (423, 22275), (432, 22293), (469, 22386), (470, 22389), (494, 22473), (547, 22611), (557, 22629), (593, 22713),

Gene: Lebo14_29 Start: 24599, Stop: 25603, Start Num: 178
Candidate Starts for Lebo14_29:
(Start: 178 @24599 has 14 MA's), (275, 24767), (283, 24779), (304, 24812), (306, 24818), (341, 24872), (347, 24881), (385, 24962), (399, 24983), (403, 24989), (405, 24992), (467, 25124), (468, 25127), (506, 25250),

Gene: LeeLot_33 Start: 32375, Stop: 33535, Start Num: 83
Candidate Starts for LeeLot_33:
(Start: 83 @32375 has 436 MA's), (Start: 135 @32486 has 1 MA's), (161, 32531), (218, 32630), (247, 32690), (267, 32726), (283, 32750), (306, 32795), (311, 32801), (350, 32852), (390, 32891), (391, 32894), (399, 32906), (424, 32945), (437, 32978), (467, 33059), (480, 33104), (497, 33152), (510, 33188), (514, 33197), (517, 33203), (609, 33428),

Gene: Lego3393_33 Start: 32380, Stop: 33540, Start Num: 83

Candidate Starts for Lego3393_33:
(Start: 83 @32380 has 436 MA's), (Start: 135 @32491 has 1 MA's), (161, 32536), (218, 32635), (247, 32695), (267, 32731), (283, 32755), (306, 32800), (311, 32806), (350, 32857), (390, 32896), (391, 32899), (399, 32911), (409, 32926), (424, 32950), (437, 32983), (467, 33064), (480, 33109), (497, 33157), (510, 33193), (514, 33202), (517, 33208), (609, 33433),

Gene: Legolas_32 Start: 32085, Stop: 33245, Start Num: 83
Candidate Starts for Legolas_32:
(Start: 83 @32085 has 436 MA's), (Start: 135 @32196 has 1 MA's), (161, 32241), (218, 32340), (247, 32400), (267, 32436), (283, 32460), (306, 32505), (311, 32511), (350, 32562), (390, 32601), (391, 32604), (399, 32616), (424, 32655), (437, 32688), (467, 32769), (480, 32814), (497, 32862), (510, 32898), (514, 32907), (517, 32913), (609, 33138),

Gene: Lehmann_33 Start: 31908, Stop: 33068, Start Num: 83
Candidate Starts for Lehmann_33:
(Start: 83 @31908 has 436 MA's), (Start: 135 @32019 has 1 MA's), (161, 32064), (218, 32163), (247, 32223), (267, 32259), (283, 32283), (306, 32328), (311, 32334), (350, 32385), (390, 32424), (391, 32427), (399, 32439), (424, 32478), (437, 32511), (467, 32592), (497, 32685), (510, 32721), (514, 32730), (517, 32736), (609, 32961),

Gene: LeiMonet_33 Start: 32076, Stop: 33236, Start Num: 83
Candidate Starts for LeiMonet_33:
(Start: 83 @32076 has 436 MA's), (Start: 135 @32187 has 1 MA's), (161, 32232), (218, 32331), (247, 32391), (267, 32427), (283, 32451), (306, 32496), (311, 32502), (350, 32553), (390, 32592), (391, 32595), (399, 32607), (409, 32622), (424, 32646), (437, 32679), (467, 32760), (480, 32805), (497, 32853), (510, 32889), (514, 32898), (517, 32904), (609, 33129),

Gene: LemonSlice_33 Start: 32072, Stop: 33232, Start Num: 83
Candidate Starts for LemonSlice_33:
(Start: 83 @32072 has 436 MA's), (Start: 135 @32183 has 1 MA's), (161, 32228), (218, 32327), (247, 32387), (267, 32423), (283, 32447), (306, 32492), (311, 32498), (350, 32549), (390, 32588), (391, 32591), (399, 32603), (409, 32618), (424, 32642), (437, 32675), (467, 32756), (480, 32801), (497, 32849), (510, 32885), (514, 32894), (517, 32900), (609, 33125),

Gene: Lemuria_24 Start: 23055, Stop: 24455, Start Num: 83
Candidate Starts for Lemuria_24:
(Start: 83 @23055 has 436 MA's), (102, 23094), (121, 23139), (267, 23406), (291, 23451), (303, 23469), (323, 23505), (393, 23580), (403, 23595), (433, 23646), (438, 23661), (463, 23727), (465, 23733), (496, 23838), (499, 23844), (525, 23916),

Gene: Leopard_42 Start: 33163, Stop: 34302, Start Num: 110
Candidate Starts for Leopard_42:
(Start: 108 @33160 has 1 MA's), (Start: 110 @33163 has 3 MA's), (121, 33184), (Start: 135 @33220 has 1 MA's), (195, 33334), (197, 33337), (227, 33391), (242, 33418), (302, 33523), (307, 33532), (352, 33604), (387, 33655), (393, 33664), (408, 33685), (429, 33721), (495, 33907), (511, 33949), (512, 33952), (521, 33976), (546, 34042),

Gene: Lephleur_33 Start: 32688, Stop: 33857, Start Num: 79
Candidate Starts for Lephleur_33:
(46, 32547), (Start: 79 @32688 has 10 MA's), (Start: 83 @32694 has 436 MA's), (102, 32733), (114, 32763), (Start: 135 @32808 has 1 MA's), (161, 32853), (218, 32952), (247, 33012), (267, 33048), (283, 33072), (306, 33117), (311, 33123), (350, 33174), (390, 33213), (391, 33216), (399, 33228), (409, 33243), (424, 33267), (437, 33300), (467, 33381), (497, 33474), (510, 33510), (514, 33519), (517,

33525), (609, 33750),

Gene: Leston_27 Start: 24063, Stop: 25130, Start Num: 146
Candidate Starts for Leston_27:
(Start: 146 @24063 has 97 MA's), (210, 24180), (236, 24237), (260, 24285), (264, 24291), (302, 24348), (303, 24351), (309, 24366), (323, 24393), (366, 24432), (369, 24435), (374, 24447), (376, 24450), (377, 24453), (385, 24468), (416, 24513), (420, 24519), (441, 24573), (461, 24621), (470, 24651), (484, 24696), (525, 24825), (546, 24879),

Gene: LestyG_33 Start: 32223, Stop: 33425, Start Num: 83
Candidate Starts for LestyG_33:
(Start: 83 @32223 has 436 MA's), (99, 32256), (177, 32400), (183, 32409), (188, 32418), (209, 32457), (214, 32466), (222, 32484), (230, 32502), (237, 32520), (240, 32526), (249, 32538), (259, 32556), (267, 32571), (287, 32604), (303, 32631), (332, 32676), (371, 32757), (386, 32784), (397, 32802), (409, 32820), (432, 32862), (441, 32886), (469, 32961), (473, 32991), (497, 33051), (500, 33063), (506, 33081), (545, 33183), (594, 33288), (596, 33294), (600, 33312), (626, 33399),

Gene: Lidong_30 Start: 38356, Stop: 39258, Start Num: 217
Candidate Starts for Lidong_30:
(Start: 217 @38356 has 25 MA's), (293, 38494), (337, 38563), (375, 38611), (422, 38674), (437, 38710), (493, 38878), (600, 39130), (627, 39235),

Gene: LilDirt_26 Start: 23840, Stop: 24904, Start Num: 146
Candidate Starts for LilDirt_26:
(Start: 146 @23840 has 97 MA's), (197, 23930), (210, 23957), (238, 24020), (264, 24068), (289, 24107), (302, 24125), (323, 24170), (366, 24209), (392, 24257), (404, 24275), (441, 24350), (468, 24416), (494, 24506), (495, 24509), (497, 24512), (508, 24545), (542, 24644), (544, 24647), (581, 24731), (587, 24743), (624, 24860),

Gene: LilHazelnut_27 Start: 23371, Stop: 24609, Start Num: 83
Candidate Starts for LilHazelnut_27:
(13, 22759), (14, 22825), (20, 22915), (21, 22918), (28, 23068), (36, 23155), (37, 23158), (59, 23296), (Start: 83 @23371 has 436 MA's), (126, 23467), (138, 23494), (Start: 141 @23500 has 12 MA's), (163, 23539), (167, 23548), (195, 23593), (201, 23605), (220, 23644), (249, 23701), (278, 23752), (286, 23767), (306, 23806), (325, 23839), (341, 23860), (345, 23866), (360, 23902), (365, 23914), (367, 23917), (393, 23965), (397, 23971), (399, 23974), (405, 23983), (467, 24121), (497, 24214), (519, 24271), (520, 24277), (553, 24361), (558, 24376), (560, 24379), (591, 24445), (598, 24478),

Gene: LilMcDreamy_28 Start: 31675, Stop: 32907, Start Num: 83
Candidate Starts for LilMcDreamy_28:
(9, 30913), (10, 30922), (12, 31042), (23, 31252), (Start: 83 @31675 has 436 MA's), (102, 31714), (104, 31720), (Start: 135 @31792 has 1 MA's), (199, 31897), (209, 31918), (236, 31978), (269, 32035), (291, 32077), (305, 32101), (348, 32158), (390, 32200), (405, 32224), (429, 32251), (460, 32329), (506, 32464), (510, 32470), (564, 32593), (603, 32653), (607, 32671), (613, 32707), (616, 32713), (623, 32737), (630, 32761),

Gene: LilSmirk_33 Start: 32688, Stop: 33851, Start Num: 83
Candidate Starts for LilSmirk_33:
(46, 32541), (Start: 79 @32682 has 10 MA's), (Start: 83 @32688 has 436 MA's), (102, 32727), (114, 32757), (Start: 135 @32802 has 1 MA's), (161, 32847), (218, 32946), (247, 33006), (267, 33042), (283, 33066), (306, 33111), (311, 33117), (350, 33168), (390, 33207), (391, 33210), (399, 33222), (409, 33237), (424, 33261), (437, 33294), (467, 33375), (497, 33468), (510, 33504), (514, 33513), (517, 33519), (609, 33744),

Gene: LilSpotty_25 Start: 21191, Stop: 22405, Start Num: 131
Candidate Starts for LilSpotty_25:
(38, 20861), (75, 21059), (Start: 130 @21188 has 6 MA's), (Start: 131 @21191 has 18 MA's), (268, 21452), (358, 21623), (439, 21773), (453, 21812), (488, 21914), (497, 21956), (619, 22328),

Gene: Lila22_32 Start: 29496, Stop: 30542, Start Num: 143
Candidate Starts for Lila22_32:
(Start: 143 @29496 has 31 MA's), (210, 29610), (220, 29631), (258, 29706), (266, 29721), (303, 29784), (404, 29946), (506, 30207),

Gene: LilhomieP_30 Start: 26992, Stop: 28047, Start Num: 146
Candidate Starts for LilhomieP_30:
(Start: 146 @26992 has 97 MA's), (258, 27205), (280, 27241), (317, 27304), (376, 27376), (392, 27406), (406, 27427), (430, 27463), (441, 27499), (461, 27547), (467, 27568), (469, 27574), (473, 27604), (475, 27607), (493, 27655), (569, 27844), (576, 27865), (599, 27919),

Gene: LittleDigger_29 Start: 31609, Stop: 32769, Start Num: 83
Candidate Starts for LittleDigger_29:
(Start: 83 @31609 has 436 MA's), (Start: 128 @31702 has 1 MA's), (Start: 135 @31717 has 1 MA's), (Start: 143 @31732 has 31 MA's), (Start: 152 @31744 has 1 MA's), (161, 31762), (Start: 180 @31795 has 3 MA's), (204, 31837), (236, 31903), (240, 31912), (253, 31930), (267, 31957), (280, 31978), (283, 31984), (284, 31987), (294, 32005), (306, 32029), (324, 32062), (379, 32107), (393, 32125), (414, 32155), (429, 32185), (432, 32191), (458, 32257), (468, 32290), (517, 32437), (578, 32590),

Gene: LittleMinkey_37 Start: 31346, Stop: 32749, Start Num: 93
Candidate Starts for LittleMinkey_37:
(93, 31346), (Start: 103 @31370 has 6 MA's), (116, 31400), (Start: 135 @31436 has 1 MA's), (157, 31472), (166, 31490), (228, 31604), (267, 31676), (269, 31679), (284, 31706), (377, 31823), (379, 31826), (446, 31955), (500, 32123), (588, 32327), (594, 32339), (595, 32342),

Gene: LiyuLake_22 Start: 22229, Stop: 23428, Start Num: 91
Candidate Starts for LiyuLake_22:
(Start: 91 @22229 has 34 MA's), (133, 22331), (Start: 152 @22361 has 1 MA's), (157, 22370), (177, 22409), (184, 22421), (209, 22460), (225, 22496), (230, 22505), (247, 22541), (275, 22589), (350, 22721), (354, 22727), (387, 22796), (418, 22841), (432, 22865), (467, 22958), (473, 22994), (494, 23048), (500, 23066), (580, 23258), (618, 23366),

Gene: LizLemon_33 Start: 32810, Stop: 33973, Start Num: 83
Candidate Starts for LizLemon_33:
(46, 32663), (Start: 79 @32804 has 10 MA's), (Start: 83 @32810 has 436 MA's), (102, 32849), (114, 32879), (Start: 135 @32924 has 1 MA's), (161, 32969), (218, 33068), (247, 33128), (267, 33164), (283, 33188), (306, 33233), (311, 33239), (350, 33290), (390, 33329), (391, 33332), (399, 33344), (409, 33359), (424, 33383), (437, 33416), (467, 33497), (480, 33542), (497, 33590), (510, 33626), (514, 33635), (517, 33641), (609, 33866),

Gene: Lolalove_30 Start: 32616, Stop: 33773, Start Num: 83
Candidate Starts for Lolalove_30:
(Start: 83 @32616 has 436 MA's), (Start: 128 @32709 has 1 MA's), (Start: 135 @32724 has 1 MA's), (Start: 143 @32739 has 31 MA's), (Start: 152 @32751 has 1 MA's), (161, 32769), (236, 32910), (240, 32919), (253, 32937), (267, 32964), (275, 32979), (280, 32985), (283, 32991), (285, 32997), (303, 33024), (306, 33033), (324, 33066), (350, 33099), (409, 33153), (414, 33159), (429, 33189), (432, 33195), (440, 33216), (449, 33240), (468, 33294), (469, 33297), (517, 33441), (578, 33594),

Gene: Lollipop1437_50 Start: 36962, Stop: 38023, Start Num: 150
Candidate Starts for Lollipop1437_50:
(Start: 150 @36962 has 30 MA's), (246, 37148), (366, 37334), (368, 37337), (469, 37547),

Gene: Lolly9_22 Start: 22045, Stop: 23244, Start Num: 91
Candidate Starts for Lolly9_22:
(Start: 91 @22045 has 34 MA's), (101, 22072), (140, 22159), (Start: 152 @22177 has 1 MA's), (157, 22186), (177, 22225), (209, 22276), (210, 22279), (230, 22321), (244, 22351), (247, 22357), (250, 22363), (275, 22405), (342, 22525), (350, 22537), (354, 22543), (432, 22681), (467, 22774), (473, 22810), (494, 22864), (500, 22882), (580, 23074), (618, 23182),

Gene: LongHai_26 Start: 22028, Stop: 23053, Start Num: 142
Candidate Starts for LongHai_26:
(Start: 142 @22028 has 2 MA's), (194, 22118), (317, 22337), (319, 22340), (333, 22352), (425, 22484), (437, 22520), (461, 22571), (475, 22628), (570, 22865), (617, 22991),

Gene: Longacauda_32 Start: 32077, Stop: 33237, Start Num: 83
Candidate Starts for Longacauda_32:
(Start: 83 @32077 has 436 MA's), (Start: 135 @32188 has 1 MA's), (161, 32233), (218, 32332), (247, 32392), (267, 32428), (283, 32452), (306, 32497), (311, 32503), (350, 32554), (390, 32593), (391, 32596), (399, 32608), (409, 32623), (424, 32647), (437, 32680), (467, 32761), (480, 32806), (497, 32854), (510, 32890), (514, 32899), (517, 32905), (609, 33130),

Gene: Lopsy_32 Start: 31927, Stop: 33087, Start Num: 83
Candidate Starts for Lopsy_32:
(Start: 83 @31927 has 436 MA's), (Start: 135 @32038 has 1 MA's), (161, 32083), (218, 32182), (247, 32242), (267, 32278), (283, 32302), (306, 32347), (311, 32353), (350, 32404), (390, 32443), (391, 32446), (399, 32458), (424, 32497), (437, 32530), (467, 32611), (480, 32656), (497, 32704), (510, 32740), (514, 32749), (517, 32755), (609, 32980),

Gene: LordVader_20 Start: 19492, Stop: 20529, Start Num: 146
Candidate Starts for LordVader_20:
(Start: 146 @19492 has 97 MA's), (162, 19516), (232, 19654), (254, 19696), (293, 19765), (333, 19825), (369, 19870), (392, 19915), (435, 19984), (461, 20053), (468, 20077), (500, 20182), (525, 20254), (540, 20299),

Gene: LostAndPhound_32 Start: 32078, Stop: 33238, Start Num: 83
Candidate Starts for LostAndPhound_32:
(Start: 83 @32078 has 436 MA's), (Start: 135 @32189 has 1 MA's), (161, 32234), (218, 32333), (247, 32393), (267, 32429), (283, 32453), (306, 32498), (311, 32504), (350, 32555), (390, 32594), (391, 32597), (399, 32609), (424, 32648), (437, 32681), (467, 32762), (497, 32855), (510, 32891), (514, 32900), (517, 32906), (609, 33131),

Gene: LuckyLeo_32 Start: 28919, Stop: 29908, Start Num: 179
Candidate Starts for LuckyLeo_32:
(Start: 143 @28862 has 31 MA's), (Start: 179 @28919 has 1 MA's), (225, 29009), (231, 29018), (233, 29024), (237, 29033), (266, 29087), (385, 29285), (430, 29351), (435, 29363), (461, 29432), (506, 29573), (550, 29681),

Gene: LuckyMarjie_32 Start: 32087, Stop: 33247, Start Num: 83
Candidate Starts for LuckyMarjie_32:

(Start: 83 @32087 has 436 MA's), (Start: 135 @32198 has 1 MA's), (161, 32243), (218, 32342), (247, 32402), (267, 32438), (283, 32462), (306, 32507), (311, 32513), (350, 32564), (390, 32603), (391, 32606), (399, 32618), (409, 32633), (424, 32657), (437, 32690), (467, 32771), (480, 32816), (497, 32864), (510, 32900), (514, 32909), (517, 32915), (609, 33140),

Gene: Luke_27 Start: 23371, Stop: 24564, Start Num: 83
Candidate Starts for Luke_27:
(13, 22759), (14, 22825), (20, 22915), (21, 22918), (28, 23068), (36, 23155), (37, 23158), (59, 23296), (Start: 83 @23371 has 436 MA's), (126, 23467), (138, 23494), (Start: 141 @23500 has 12 MA's), (163, 23539), (195, 23548), (201, 23560), (220, 23599), (249, 23656), (278, 23707), (286, 23722), (306, 23761), (325, 23794), (341, 23815), (345, 23821), (360, 23857), (365, 23869), (367, 23872), (393, 23920), (397, 23926), (399, 23929), (405, 23938), (467, 24076), (497, 24169), (519, 24226), (520, 24232), (553, 24316), (558, 24331), (560, 24334), (591, 24400), (598, 24433),

Gene: Luker_31 Start: 38575, Stop: 39477, Start Num: 217
Candidate Starts for Luker_31:
(Start: 217 @38575 has 25 MA's), (293, 38713), (337, 38782), (375, 38830), (422, 38893), (437, 38929), (493, 39097), (597, 39331), (600, 39349), (627, 39454),

Gene: Lulumae_32 Start: 32069, Stop: 33229, Start Num: 83
Candidate Starts for Lulumae_32:
(Start: 83 @32069 has 436 MA's), (Start: 135 @32180 has 1 MA's), (161, 32225), (218, 32324), (247, 32384), (267, 32420), (283, 32444), (306, 32489), (311, 32495), (350, 32546), (390, 32585), (391, 32588), (399, 32600), (409, 32615), (424, 32639), (437, 32672), (467, 32753), (480, 32798), (497, 32846), (510, 32882), (514, 32891), (517, 32897), (609, 33122),

Gene: Lulwa_33 Start: 32356, Stop: 33516, Start Num: 83
Candidate Starts for Lulwa_33:
(Start: 83 @32356 has 436 MA's), (Start: 135 @32467 has 1 MA's), (161, 32512), (218, 32611), (247, 32671), (267, 32707), (283, 32731), (306, 32776), (311, 32782), (350, 32833), (390, 32872), (391, 32875), (399, 32887), (409, 32902), (424, 32926), (437, 32959), (467, 33040), (480, 33085), (497, 33133), (510, 33169), (514, 33178), (517, 33184), (609, 33409),

Gene: Lumine_32 Start: 32065, Stop: 33225, Start Num: 83
Candidate Starts for Lumine_32:
(Start: 83 @32065 has 436 MA's), (Start: 135 @32176 has 1 MA's), (161, 32221), (218, 32320), (247, 32380), (267, 32416), (283, 32440), (306, 32485), (311, 32491), (350, 32542), (390, 32581), (391, 32584), (399, 32596), (409, 32611), (424, 32635), (437, 32668), (467, 32749), (480, 32794), (497, 32842), (510, 32878), (514, 32887), (517, 32893), (609, 33118),

Gene: Lumos_22 Start: 22244, Stop: 23461, Start Num: 91
Candidate Starts for Lumos_22:
(Start: 91 @22244 has 34 MA's), (133, 22346), (140, 22358), (Start: 152 @22376 has 1 MA's), (157, 22385), (177, 22424), (201, 22460), (209, 22475), (211, 22481), (225, 22511), (227, 22514), (244, 22550), (250, 22562), (283, 22613), (284, 22616), (318, 22676), (329, 22703), (337, 22718), (342, 22724), (350, 22736), (379, 22796), (393, 22820), (432, 22880), (468, 22976), (473, 23009), (500, 23081), (510, 23105), (606, 23333), (609, 23345),

Gene: Luna22_27 Start: 23371, Stop: 24609, Start Num: 83
Candidate Starts for Luna22_27:
(13, 22759), (14, 22825), (20, 22915), (21, 22918), (27, 23038), (28, 23068), (36, 23155), (37, 23158), (59, 23296), (Start: 83 @23371 has 436 MA's), (126, 23467), (138, 23494), (Start: 141 @23500 has 12 MA's), (163, 23539), (167, 23548), (195, 23593), (201, 23605), (220, 23644), (249, 23701), (278,

23752), (286, 23767), (306, 23806), (325, 23839), (341, 23860), (345, 23866), (360, 23902), (365, 23914), (367, 23917), (393, 23965), (397, 23971), (399, 23974), (405, 23983), (467, 24121), (497, 24214), (519, 24271), (520, 24277), (553, 24361), (558, 24376), (560, 24379), (591, 24445), (598, 24478),

Gene: MAckerman_21 Start: 21688, Stop: 22860, Start Num: 91
Candidate Starts for MAckerman_21:
(Start: 89 @21685 has 7 MA's), (Start: 91 @21688 has 34 MA's), (Start: 149 @21814 has 1 MA's), (173, 21856), (177, 21868), (Start: 180 @21871 has 3 MA's), (201, 21904), (206, 21916), (230, 21964), (237, 21982), (259, 22018), (267, 22033), (298, 22084), (315, 22114), (334, 22156), (352, 22180), (401, 22216), (405, 22222), (423, 22249), (432, 22267), (469, 22360), (470, 22363), (494, 22447), (547, 22585), (557, 22603), (593, 22687),

Gene: MOOREtheMARYer_24 Start: 23264, Stop: 24634, Start Num: 103
Candidate Starts for MOOREtheMARYer_24:
(Start: 103 @23264 has 6 MA's), (166, 23384), (177, 23405), (202, 23444), (204, 23450), (350, 23699), (374, 23711), (403, 23759), (419, 23783), (446, 23849), (463, 23894), (531, 24113), (543, 24131), (548, 24140), (584, 24206), (641, 24605), (643, 24629),

Gene: MRabcd_32 Start: 32069, Stop: 33229, Start Num: 83
Candidate Starts for MRabcd_32:
(Start: 83 @32069 has 436 MA's), (Start: 135 @32180 has 1 MA's), (161, 32225), (218, 32324), (247, 32384), (267, 32420), (283, 32444), (306, 32489), (311, 32495), (350, 32546), (390, 32585), (391, 32588), (399, 32600), (409, 32615), (424, 32639), (437, 32672), (467, 32753), (480, 32798), (497, 32846), (510, 32882), (514, 32891), (517, 32897), (609, 33122),

Gene: Maco6_23 Start: 20985, Stop: 22013, Start Num: 142
Candidate Starts for Maco6_23:
(Start: 142 @20985 has 2 MA's), (194, 21075), (231, 21144), (234, 21153), (280, 21231), (317, 21294), (319, 21297), (425, 21441), (437, 21477), (461, 21528), (475, 21585), (570, 21825), (617, 21951),

Gene: Mag7_32 Start: 31975, Stop: 33135, Start Num: 83
Candidate Starts for Mag7_32:
(Start: 83 @31975 has 436 MA's), (Start: 135 @32086 has 1 MA's), (161, 32131), (218, 32230), (247, 32290), (267, 32326), (283, 32350), (306, 32395), (311, 32401), (350, 32452), (390, 32491), (391, 32494), (399, 32506), (424, 32545), (437, 32578), (467, 32659), (497, 32752), (510, 32788), (514, 32797), (517, 32803), (609, 33028),

Gene: Magic8_33 Start: 32410, Stop: 33570, Start Num: 83
Candidate Starts for Magic8_33:
(Start: 83 @32410 has 436 MA's), (Start: 135 @32521 has 1 MA's), (161, 32566), (218, 32665), (247, 32725), (267, 32761), (283, 32785), (306, 32830), (311, 32836), (350, 32887), (390, 32926), (391, 32929), (399, 32941), (409, 32956), (424, 32980), (437, 33013), (467, 33094), (480, 33139), (497, 33187), (510, 33223), (514, 33232), (517, 33238), (609, 33463),

Gene: Magpie_29 Start: 32448, Stop: 33605, Start Num: 83
Candidate Starts for Magpie_29:
(Start: 83 @32448 has 436 MA's), (Start: 128 @32541 has 1 MA's), (Start: 135 @32556 has 1 MA's), (Start: 143 @32571 has 31 MA's), (Start: 152 @32583 has 1 MA's), (161, 32601), (214, 32691), (236, 32742), (240, 32751), (245, 32757), (253, 32769), (267, 32796), (275, 32811), (280, 32817), (283, 32823), (303, 32856), (306, 32865), (324, 32898), (350, 32931), (429, 33021), (432, 33027), (468, 33126), (469, 33129), (517, 33273), (578, 33426),

Gene: Magsby_22 Start: 20220, Stop: 21434, Start Num: 131
Candidate Starts for Magsby_22:
(38, 19890), (75, 20088), (Start: 130 @20217 has 6 MA's), (Start: 131 @20220 has 18 MA's), (268, 20481), (358, 20652), (439, 20802), (453, 20841), (488, 20943), (497, 20985), (619, 21357),

Gene: Majeke_22 Start: 21305, Stop: 22342, Start Num: 146
Candidate Starts for Majeke_22:
(Start: 131 @21281 has 18 MA's), (Start: 143 @21302 has 31 MA's), (Start: 146 @21305 has 97 MA's), (162, 21329), (232, 21467), (254, 21509), (293, 21578), (333, 21638), (369, 21683), (392, 21728), (437, 21809), (461, 21866), (468, 21890), (500, 21995), (525, 22067), (540, 22112), (616, 22277),

Gene: MakCheese_24 Start: 21714, Stop: 22658, Start Num: 205
Candidate Starts for MakCheese_24:
(Start: 146 @21606 has 97 MA's), (205, 21714), (280, 21855), (317, 21927), (333, 21960), (441, 22134), (458, 22173), (461, 22182), (500, 22305), (514, 22338), (536, 22410), (561, 22458), (563, 22461), (587, 22524),

Gene: MalagasyRose_28 Start: 22698, Stop: 23777, Start Num: 146
Candidate Starts for MalagasyRose_28:
(Start: 146 @22698 has 97 MA's), (160, 22719), (209, 22812), (228, 22854), (230, 22857), (236, 22872), (264, 22926), (280, 22947), (289, 22965), (323, 23028), (346, 23049), (377, 23088), (392, 23115), (404, 23133), (441, 23211), (449, 23229), (517, 23424), (533, 23484), (590, 23607),

Gene: Malithi_22 Start: 21221, Stop: 22261, Start Num: 143
Candidate Starts for Malithi_22:
(Start: 131 @21200 has 18 MA's), (Start: 143 @21221 has 31 MA's), (Start: 146 @21224 has 97 MA's), (162, 21248), (232, 21386), (254, 21428), (293, 21497), (333, 21557), (369, 21602), (392, 21647), (437, 21728), (461, 21785), (468, 21809), (500, 21914), (525, 21986), (540, 22031), (616, 22196),

Gene: Malthus_30 Start: 24509, Stop: 25513, Start Num: 178
Candidate Starts for Malthus_30:
(Start: 178 @24509 has 14 MA's), (219, 24578), (275, 24677), (304, 24722), (306, 24728), (341, 24782), (347, 24791), (362, 24827), (385, 24872), (399, 24893), (403, 24899), (405, 24902), (467, 25034), (468, 25037), (506, 25160), (517, 25181), (591, 25352), (616, 25448),

Gene: Mana_32 Start: 32084, Stop: 33244, Start Num: 83
Candidate Starts for Mana_32:
(Start: 83 @32084 has 436 MA's), (Start: 135 @32195 has 1 MA's), (161, 32240), (218, 32339), (247, 32399), (267, 32435), (283, 32459), (306, 32504), (311, 32510), (350, 32561), (390, 32600), (391, 32603), (399, 32615), (409, 32630), (424, 32654), (437, 32687), (467, 32768), (480, 32813), (497, 32861), (510, 32897), (514, 32906), (517, 32912), (609, 33137),

Gene: Manad_32 Start: 31926, Stop: 33086, Start Num: 83
Candidate Starts for Manad_32:
(Start: 83 @31926 has 436 MA's), (Start: 135 @32037 has 1 MA's), (161, 32082), (218, 32181), (247, 32241), (267, 32277), (283, 32301), (306, 32346), (311, 32352), (350, 32403), (390, 32442), (391, 32445), (399, 32457), (424, 32496), (437, 32529), (467, 32610), (480, 32655), (497, 32703), (510, 32739), (514, 32748), (517, 32754), (609, 32979),

Gene: Mangethe_22 Start: 21305, Stop: 22342, Start Num: 146
Candidate Starts for Mangethe_22:

(Start: 131 @21281 has 18 MA's), (Start: 143 @21302 has 31 MA's), (Start: 146 @21305 has 97 MA's), (162, 21329), (232, 21467), (254, 21509), (293, 21578), (333, 21638), (369, 21683), (392, 21728), (437, 21809), (461, 21866), (468, 21890), (500, 21995), (525, 22067), (540, 22112), (616, 22277),

Gene: Manilisa_32 Start: 27398, Stop: 28474, Start Num: 148
Candidate Starts for Manilisa_32:
(Start: 148 @27398 has 14 MA's), (211, 27515), (225, 27545), (258, 27608), (302, 27683), (303, 27686), (339, 27755), (346, 27767), (416, 27860), (461, 27962), (465, 27977), (483, 28034),

Gene: Mao1_27 Start: 28750, Stop: 29910, Start Num: 83
Candidate Starts for Mao1_27:
(Start: 83 @28750 has 436 MA's), (100, 28786), (114, 28819), (Start: 135 @28864 has 1 MA's), (161, 28909), (163, 28912), (267, 29104), (283, 29128), (285, 29134), (311, 29179), (313, 29182), (350, 29230), (405, 29293), (407, 29296), (428, 29329), (458, 29404), (467, 29434), (506, 29557), (511, 29566), (514, 29572), (629, 29893),

Gene: Marley1013_33 Start: 33001, Stop: 34203, Start Num: 83
Candidate Starts for Marley1013_33:
(Start: 83 @33001 has 436 MA's), (99, 33034), (177, 33178), (183, 33187), (188, 33196), (209, 33235), (214, 33244), (222, 33262), (230, 33280), (237, 33298), (240, 33304), (249, 33316), (259, 33334), (267, 33349), (287, 33382), (303, 33409), (332, 33454), (371, 33535), (386, 33562), (397, 33580), (409, 33598), (432, 33640), (441, 33664), (469, 33739), (473, 33769), (497, 33829), (500, 33841), (506, 33859), (545, 33961), (594, 34066), (596, 34072), (600, 34090), (626, 34177),

Gene: Marlia_33 Start: 32203, Stop: 33405, Start Num: 83
Candidate Starts for Marlia_33:
(Start: 83 @32203 has 436 MA's), (99, 32236), (177, 32380), (183, 32389), (188, 32398), (209, 32437), (214, 32446), (222, 32464), (230, 32482), (237, 32500), (240, 32506), (249, 32518), (259, 32536), (267, 32551), (287, 32584), (303, 32611), (332, 32656), (371, 32737), (386, 32764), (397, 32782), (409, 32800), (432, 32842), (473, 32971), (506, 33061), (545, 33163), (575, 33220), (577, 33229), (594, 33268), (611, 33340), (627, 33382),

Gene: Maru_32 Start: 32027, Stop: 33187, Start Num: 83
Candidate Starts for Maru_32:
(Start: 83 @32027 has 436 MA's), (Start: 135 @32138 has 1 MA's), (161, 32183), (218, 32282), (247, 32342), (267, 32378), (283, 32402), (306, 32447), (311, 32453), (350, 32504), (390, 32543), (391, 32546), (399, 32558), (409, 32573), (424, 32597), (437, 32630), (467, 32711), (480, 32756), (497, 32804), (510, 32840), (514, 32849), (517, 32855), (609, 33080),

Gene: Mask_28 Start: 28743, Stop: 29903, Start Num: 83
Candidate Starts for Mask_28:
(Start: 83 @28743 has 436 MA's), (100, 28779), (114, 28812), (Start: 135 @28857 has 1 MA's), (161, 28902), (163, 28905), (267, 29097), (283, 29121), (285, 29127), (304, 29160), (306, 29166), (311, 29172), (313, 29175), (350, 29223), (405, 29286), (407, 29289), (428, 29322), (458, 29397), (467, 29427), (506, 29550), (511, 29559), (514, 29565),

Gene: Maskar_32 Start: 31924, Stop: 33084, Start Num: 83
Candidate Starts for Maskar_32:
(Start: 83 @31924 has 436 MA's), (Start: 135 @32035 has 1 MA's), (161, 32080), (218, 32179), (247, 32239), (267, 32275), (283, 32299), (306, 32344), (311, 32350), (350, 32401), (390, 32440), (391, 32443), (399, 32455), (409, 32470), (424, 32494), (437, 32527), (467, 32608), (480, 32653), (497, 32701), (510, 32737), (514, 32746), (517, 32752), (609, 32977),

Gene: MasterPo_33 Start: 32691, Stop: 33860, Start Num: 79
Candidate Starts for MasterPo_33:
(Start: 79 @32691 has 10 MA's), (Start: 83 @32697 has 436 MA's), (102, 32736), (114, 32766), (Start: 135 @32811 has 1 MA's), (161, 32856), (218, 32955), (247, 33015), (267, 33051), (283, 33075), (306, 33120), (311, 33126), (350, 33177), (390, 33216), (391, 33219), (399, 33231), (409, 33246), (424, 33270), (437, 33303), (467, 33384), (480, 33429), (497, 33477), (510, 33513), (514, 33522), (517, 33528), (609, 33753),

Gene: Matalotodo_33 Start: 32370, Stop: 33530, Start Num: 83
Candidate Starts for Matalotodo_33:
(Start: 83 @32370 has 436 MA's), (Start: 135 @32481 has 1 MA's), (161, 32526), (218, 32625), (247, 32685), (267, 32721), (283, 32745), (306, 32790), (311, 32796), (350, 32847), (390, 32886), (391, 32889), (399, 32901), (409, 32916), (424, 32940), (437, 32973), (467, 33054), (480, 33099), (497, 33147), (510, 33183), (514, 33192), (517, 33198), (609, 33423),

Gene: Mcshane_32 Start: 32067, Stop: 33227, Start Num: 83
Candidate Starts for Mcshane_32:
(Start: 83 @32067 has 436 MA's), (Start: 135 @32178 has 1 MA's), (161, 32223), (218, 32322), (247, 32382), (267, 32418), (283, 32442), (306, 32487), (311, 32493), (350, 32544), (390, 32583), (391, 32586), (399, 32598), (409, 32613), (424, 32637), (437, 32670), (467, 32751), (480, 32796), (497, 32844), (510, 32880), (514, 32889), (517, 32895), (609, 33120),

Gene: Mecca_32 Start: 32070, Stop: 33230, Start Num: 83
Candidate Starts for Mecca_32:
(Start: 83 @32070 has 436 MA's), (Start: 135 @32181 has 1 MA's), (161, 32226), (218, 32325), (247, 32385), (267, 32421), (283, 32445), (306, 32490), (311, 32496), (350, 32547), (390, 32586), (391, 32589), (399, 32601), (409, 32616), (424, 32640), (437, 32673), (467, 32754), (480, 32799), (497, 32847), (510, 32883), (514, 32892), (517, 32898), (609, 33123),

Gene: Megabear_25 Start: 29324, Stop: 30529, Start Num: 76
Candidate Starts for Megabear_25:
(Start: 74 @29321 has 2 MA's), (Start: 76 @29324 has 7 MA's), (109, 29393), (Start: 152 @29462 has 1 MA's), (170, 29492), (177, 29504), (181, 29510), (183, 29513), (188, 29522), (209, 29561), (214, 29570), (219, 29582), (247, 29639), (253, 29648), (259, 29660), (267, 29675), (293, 29720), (303, 29735), (332, 29780), (365, 29849), (379, 29876), (393, 29900), (423, 29945), (432, 29966), (441, 29990), (469, 30065), (473, 30095), (497, 30155), (500, 30167), (506, 30185), (545, 30287), (596, 30398), (600, 30416), (614, 30467), (626, 30503),

Gene: Megamind20_33 Start: 32092, Stop: 33252, Start Num: 83
Candidate Starts for Megamind20_33:
(Start: 83 @32092 has 436 MA's), (Start: 135 @32203 has 1 MA's), (161, 32248), (218, 32347), (247, 32407), (267, 32443), (283, 32467), (306, 32512), (311, 32518), (350, 32569), (390, 32608), (391, 32611), (399, 32623), (409, 32638), (424, 32662), (437, 32695), (467, 32776), (480, 32821), (497, 32869), (510, 32905), (514, 32914), (517, 32920), (609, 33145),

Gene: Megatron_33 Start: 32368, Stop: 33528, Start Num: 83
Candidate Starts for Megatron_33:
(Start: 83 @32368 has 436 MA's), (Start: 135 @32479 has 1 MA's), (161, 32524), (218, 32623), (247, 32683), (267, 32719), (283, 32743), (306, 32788), (311, 32794), (350, 32845), (390, 32884), (391, 32887), (399, 32899), (424, 32938), (437, 32971), (467, 33052), (480, 33097), (497, 33145), (510, 33181), (514, 33190), (517, 33196), (609, 33421),

Gene: Megiddo_22 Start: 21561, Stop: 22601, Start Num: 141
Candidate Starts for Megiddo_22:
(Start: 141 @21561 has 12 MA's), (230, 21720), (232, 21726), (254, 21768), (291, 21834), (293, 21837), (333, 21897), (369, 21942), (392, 21987), (437, 22068), (461, 22125), (468, 22149), (500, 22254), (525, 22326), (540, 22371),

Gene: Melc17_33 Start: 32365, Stop: 33525, Start Num: 83
Candidate Starts for Melc17_33:
(Start: 83 @32365 has 436 MA's), (Start: 135 @32476 has 1 MA's), (161, 32521), (218, 32620), (247, 32680), (267, 32716), (283, 32740), (306, 32785), (311, 32791), (350, 32842), (390, 32881), (391, 32884), (399, 32896), (424, 32935), (437, 32968), (467, 33049), (497, 33142), (510, 33178), (514, 33187), (517, 33193), (609, 33418),

Gene: MelsMeow_32 Start: 31973, Stop: 33133, Start Num: 83
Candidate Starts for MelsMeow_32:
(Start: 83 @31973 has 436 MA's), (Start: 135 @32084 has 1 MA's), (161, 32129), (218, 32228), (247, 32288), (267, 32324), (283, 32348), (306, 32393), (311, 32399), (350, 32450), (390, 32489), (391, 32492), (399, 32504), (409, 32519), (424, 32543), (437, 32576), (467, 32657), (480, 32702), (497, 32750), (510, 32786), (514, 32795), (517, 32801), (609, 33026),

Gene: Melville_22 Start: 20223, Stop: 21437, Start Num: 131
Candidate Starts for Melville_22:
(38, 19893), (75, 20091), (Start: 130 @20220 has 6 MA's), (Start: 131 @20223 has 18 MA's), (268, 20484), (358, 20655), (439, 20805), (453, 20844), (488, 20946), (497, 20988), (619, 21360),

Gene: MerCougar_46 Start: 36238, Stop: 37293, Start Num: 150
Candidate Starts for MerCougar_46:
(119, 36175), (Start: 150 @36238 has 30 MA's), (261, 36451), (368, 36610), (380, 36634), (500, 36922), (616, 37222), (627, 37267),

Gene: Mercurio_25 Start: 23665, Stop: 25065, Start Num: 83
Candidate Starts for Mercurio_25:
(Start: 83 @23665 has 436 MA's), (157, 23812), (225, 23938), (267, 24016), (291, 24061), (303, 24079), (323, 24115), (383, 24175), (403, 24205), (433, 24256), (465, 24343), (496, 24448), (499, 24454), (635, 24832),

Gene: Mesh1_33 Start: 32382, Stop: 33542, Start Num: 83
Candidate Starts for Mesh1_33:
(Start: 83 @32382 has 436 MA's), (Start: 135 @32493 has 1 MA's), (161, 32538), (218, 32637), (247, 32697), (267, 32733), (283, 32757), (306, 32802), (311, 32808), (350, 32859), (390, 32898), (391, 32901), (399, 32913), (409, 32928), (424, 32952), (437, 32985), (467, 33066), (480, 33111), (497, 33159), (510, 33195), (514, 33204), (517, 33210), (609, 33435),

Gene: Mesmerelda_32 Start: 32080, Stop: 33240, Start Num: 83
Candidate Starts for Mesmerelda_32:
(Start: 83 @32080 has 436 MA's), (Start: 135 @32191 has 1 MA's), (161, 32236), (218, 32335), (247, 32395), (267, 32431), (283, 32455), (306, 32500), (311, 32506), (350, 32557), (390, 32596), (391, 32599), (399, 32611), (409, 32626), (424, 32650), (437, 32683), (467, 32764), (480, 32809), (497, 32857), (510, 32893), (514, 32902), (517, 32908), (609, 33133),

Gene: Meyran_29 Start: 27126, Stop: 28187, Start Num: 164
Candidate Starts for Meyran_29:

(Start: 146 @27099 has 97 MA's), (Start: 164 @27126 has 1 MA's), (258, 27309), (339, 27456), (416, 27561), (450, 27642), (461, 27669), (465, 27684), (483, 27747), (500, 27807), (600, 28044),

Gene: MichaelPhcott_32 Start: 31972, Stop: 33132, Start Num: 83
Candidate Starts for MichaelPhcott_32:
(Start: 83 @31972 has 436 MA's), (Start: 135 @32083 has 1 MA's), (161, 32128), (218, 32227), (247, 32287), (267, 32323), (283, 32347), (306, 32392), (311, 32398), (350, 32449), (390, 32488), (391, 32491), (399, 32503), (424, 32542), (437, 32575), (467, 32656), (497, 32749), (510, 32785), (514, 32794), (517, 32800), (609, 33025),

Gene: MichelleMyBell_22 Start: 20029, Stop: 21114, Start Num: 146
Candidate Starts for MichelleMyBell_22:
(115, 19963), (Start: 146 @20029 has 97 MA's), (232, 20191), (293, 20302), (333, 20362), (369, 20407), (437, 20533), (441, 20542), (461, 20590),

Gene: Mikota_33 Start: 32355, Stop: 33515, Start Num: 83
Candidate Starts for Mikota_33:
(Start: 83 @32355 has 436 MA's), (Start: 135 @32466 has 1 MA's), (161, 32511), (218, 32610), (247, 32670), (267, 32706), (283, 32730), (306, 32775), (311, 32781), (350, 32832), (390, 32871), (391, 32874), (399, 32886), (409, 32901), (424, 32925), (437, 32958), (467, 33039), (480, 33084), (497, 33132), (510, 33168), (514, 33177), (517, 33183), (609, 33408),

Gene: MilanaBonita_20 Start: 20281, Stop: 21492, Start Num: 86
Candidate Starts for MilanaBonita_20:
(Start: 86 @20281 has 22 MA's), (96, 20305), (124, 20362), (Start: 149 @20410 has 1 MA's), (181, 20470), (189, 20479), (199, 20494), (210, 20518), (222, 20542), (227, 20554), (245, 20590), (267, 20629), (272, 20638), (285, 20662), (303, 20692), (354, 20776), (356, 20779), (361, 20800), (379, 20836), (381, 20839), (393, 20860), (421, 20902), (467, 21019), (474, 21055), (477, 21061), (517, 21166), (545, 21247),

Gene: Mima20_31 Start: 29243, Stop: 30292, Start Num: 143
Candidate Starts for Mima20_31:
(Start: 143 @29243 has 31 MA's), (191, 29318), (210, 29357), (220, 29378), (258, 29453), (266, 29468), (303, 29531), (333, 29591), (404, 29693), (498, 29927), (550, 30062), (587, 30155),

Gene: MiniBoss_33 Start: 32361, Stop: 33521, Start Num: 83
Candidate Starts for MiniBoss_33:
(Start: 83 @32361 has 436 MA's), (Start: 135 @32472 has 1 MA's), (161, 32517), (218, 32616), (247, 32676), (267, 32712), (283, 32736), (306, 32781), (311, 32787), (350, 32838), (390, 32877), (391, 32880), (399, 32892), (409, 32907), (424, 32931), (437, 32964), (467, 33045), (480, 33090), (497, 33138), (510, 33174), (514, 33183), (517, 33189), (609, 33414),

Gene: MiniLon_22 Start: 22045, Stop: 23244, Start Num: 91
Candidate Starts for MiniLon_22:
(Start: 91 @22045 has 34 MA's), (101, 22072), (140, 22159), (Start: 152 @22177 has 1 MA's), (157, 22186), (177, 22225), (209, 22276), (210, 22279), (230, 22321), (244, 22351), (247, 22357), (250, 22363), (275, 22405), (342, 22525), (350, 22537), (354, 22543), (432, 22681), (467, 22774), (473, 22810), (494, 22864), (500, 22882), (580, 23074), (618, 23182),

Gene: MiniMac_22 Start: 22046, Stop: 23245, Start Num: 91
Candidate Starts for MiniMac_22:
(Start: 91 @22046 has 34 MA's), (101, 22073), (140, 22160), (Start: 152 @22178 has 1 MA's), (177, 22226), (209, 22277), (210, 22280), (230, 22322), (244, 22352), (247, 22358), (250, 22364), (275,

22406), (342, 22526), (350, 22538), (354, 22544), (432, 22682), (467, 22775), (473, 22811), (494, 22865), (500, 22883), (580, 23075), (618, 23183),

Gene: Minnow_28 Start: 30054, Stop: 31262, Start Num: 83
Candidate Starts for Minnow_28:
(Start: 83 @30054 has 436 MA's), (102, 30093), (127, 30147), (Start: 135 @30168 has 1 MA's), (Start: 143 @30183 has 31 MA's), (161, 30213), (171, 30228), (209, 30294), (210, 30297), (236, 30354), (237, 30357), (250, 30378), (269, 30411), (272, 30417), (345, 30531), (348, 30534), (393, 30582), (405, 30600), (460, 30687), (508, 30822), (562, 30945), (564, 30948), (603, 31008), (613, 31062), (630, 31116),

Gene: Minos_31 Start: 38098, Stop: 39000, Start Num: 217
Candidate Starts for Minos_31:
(Start: 217 @38098 has 25 MA's), (293, 38236), (337, 38305), (375, 38353), (422, 38416), (437, 38452), (493, 38620), (600, 38872), (627, 38977),

Gene: Miryou_27 Start: 23918, Stop: 24985, Start Num: 146
Candidate Starts for Miryou_27:
(Start: 146 @23918 has 97 MA's), (210, 24035), (236, 24092), (260, 24140), (264, 24146), (302, 24203), (303, 24206), (309, 24221), (323, 24248), (366, 24287), (369, 24290), (374, 24302), (376, 24305), (377, 24308), (385, 24323), (416, 24368), (420, 24374), (441, 24428), (461, 24476), (470, 24506), (484, 24551), (525, 24680), (546, 24734),

Gene: MissDaisy_29 Start: 24351, Stop: 25355, Start Num: 178
Candidate Starts for MissDaisy_29:
(Start: 178 @24351 has 14 MA's), (275, 24519), (304, 24564), (306, 24570), (341, 24624), (385, 24714), (399, 24735), (405, 24744), (467, 24876), (468, 24879), (506, 25002), (517, 25023), (616, 25290),

Gene: MitKao_33 Start: 32076, Stop: 33236, Start Num: 83
Candidate Starts for MitKao_33:
(Start: 83 @32076 has 436 MA's), (Start: 135 @32187 has 1 MA's), (161, 32232), (218, 32331), (247, 32391), (267, 32427), (283, 32451), (306, 32496), (311, 32502), (350, 32553), (390, 32592), (391, 32595), (399, 32607), (424, 32646), (437, 32679), (467, 32760), (497, 32853), (510, 32889), (514, 32898), (517, 32904), (609, 33129),

Gene: Mithril_30 Start: 32620, Stop: 33777, Start Num: 83
Candidate Starts for Mithril_30:
(Start: 83 @32620 has 436 MA's), (Start: 128 @32713 has 1 MA's), (Start: 135 @32728 has 1 MA's), (Start: 143 @32743 has 31 MA's), (Start: 152 @32755 has 1 MA's), (161, 32773), (188, 32815), (236, 32914), (240, 32923), (253, 32941), (267, 32968), (275, 32983), (280, 32989), (283, 32995), (285, 33001), (303, 33028), (306, 33037), (324, 33070), (350, 33103), (414, 33163), (429, 33193), (432, 33199), (449, 33244), (468, 33298), (469, 33301), (517, 33445), (578, 33598),

Gene: Mitti_29 Start: 24509, Stop: 25513, Start Num: 178
Candidate Starts for Mitti_29:
(Start: 178 @24509 has 14 MA's), (275, 24677), (304, 24722), (306, 24728), (341, 24782), (385, 24872), (399, 24893), (405, 24902), (467, 25034), (468, 25037), (491, 25112), (517, 25181), (601, 25391),

Gene: MmasiCarm_33 Start: 32205, Stop: 33407, Start Num: 83
Candidate Starts for MmasiCarm_33:

(Start: 83 @32205 has 436 MA's), (99, 32238), (177, 32382), (183, 32391), (188, 32400), (209, 32439), (214, 32448), (222, 32466), (247, 32517), (253, 32526), (259, 32538), (262, 32544), (267, 32553), (293, 32598), (303, 32613), (332, 32658), (365, 32727), (372, 32742), (379, 32754), (393, 32778), (424, 32826), (427, 32832), (429, 32838), (432, 32844), (441, 32868), (469, 32943), (473, 32973), (497, 33033), (500, 33045), (506, 33063), (545, 33165), (594, 33270), (596, 33276), (600, 33294), (626, 33381),

Gene: MoiGyank_35 Start: 29924, Stop: 30973, Start Num: 143
Candidate Starts for MoiGyank_35:
(Start: 143 @29924 has 31 MA's), (191, 29999), (210, 30038), (220, 30059), (258, 30134), (266, 30149), (303, 30212), (333, 30272), (404, 30374), (437, 30437), (498, 30608), (587, 30836),

Gene: Moostard_22 Start: 22250, Stop: 23467, Start Num: 91
Candidate Starts for Moostard_22:
(Start: 91 @22250 has 34 MA's), (133, 22352), (140, 22364), (Start: 152 @22382 has 1 MA's), (157, 22391), (177, 22430), (201, 22466), (209, 22481), (211, 22487), (225, 22517), (227, 22520), (244, 22556), (250, 22568), (283, 22619), (284, 22622), (318, 22682), (329, 22709), (337, 22724), (342, 22730), (350, 22742), (379, 22802), (393, 22826), (432, 22886), (468, 22982), (473, 23015), (500, 23087), (510, 23111), (517, 23126), (606, 23339), (609, 23351),

Gene: Morgushi_33 Start: 32077, Stop: 33237, Start Num: 83
Candidate Starts for Morgushi_33:
(Start: 83 @32077 has 436 MA's), (Start: 135 @32188 has 1 MA's), (161, 32233), (218, 32332), (247, 32392), (267, 32428), (283, 32452), (306, 32497), (311, 32503), (350, 32554), (390, 32593), (391, 32596), (399, 32608), (424, 32647), (437, 32680), (467, 32761), (480, 32806), (497, 32854), (510, 32890), (514, 32899), (517, 32905), (609, 33130),

Gene: Mortcellus_32 Start: 32857, Stop: 34059, Start Num: 83
Candidate Starts for Mortcellus_32:
(Start: 83 @32857 has 436 MA's), (99, 32890), (177, 33034), (183, 33043), (188, 33052), (209, 33091), (214, 33100), (222, 33118), (230, 33136), (237, 33154), (240, 33160), (249, 33172), (267, 33205), (293, 33250), (303, 33265), (332, 33310), (371, 33391), (386, 33418), (397, 33436), (409, 33454), (432, 33496), (441, 33520), (469, 33595), (473, 33625), (497, 33685), (500, 33697), (506, 33715), (545, 33817), (594, 33922), (596, 33928), (600, 33946), (626, 34033),

Gene: Morty_33 Start: 32377, Stop: 33537, Start Num: 83
Candidate Starts for Morty_33:
(Start: 83 @32377 has 436 MA's), (Start: 135 @32488 has 1 MA's), (161, 32533), (218, 32632), (247, 32692), (267, 32728), (283, 32752), (306, 32797), (311, 32803), (350, 32854), (390, 32893), (391, 32896), (399, 32908), (424, 32947), (437, 32980), (467, 33061), (480, 33106), (497, 33154), (510, 33190), (514, 33199), (517, 33205), (609, 33430),

Gene: Morty007_33 Start: 33001, Stop: 34203, Start Num: 83
Candidate Starts for Morty007_33:
(Start: 83 @33001 has 436 MA's), (99, 33034), (177, 33178), (183, 33187), (188, 33196), (209, 33235), (214, 33244), (222, 33262), (230, 33280), (237, 33298), (240, 33304), (249, 33316), (259, 33334), (267, 33349), (287, 33382), (303, 33409), (332, 33454), (371, 33535), (386, 33562), (397, 33580), (409, 33598), (432, 33640), (441, 33664), (469, 33739), (473, 33769), (497, 33829), (500, 33841), (506, 33859), (545, 33961), (594, 34066), (596, 34072), (600, 34090), (626, 34177),

Gene: Mosaic_32 Start: 32082, Stop: 33242, Start Num: 83
Candidate Starts for Mosaic_32:

(Start: 83 @32082 has 436 MA's), (Start: 135 @32193 has 1 MA's), (161, 32238), (218, 32337), (247, 32397), (267, 32433), (283, 32457), (306, 32502), (311, 32508), (350, 32559), (390, 32598), (391, 32601), (399, 32613), (424, 32652), (437, 32685), (467, 32766), (497, 32859), (510, 32895), (514, 32904), (517, 32910), (609, 33135),

Gene: MrMagoo_35 Start: 27841, Stop: 28923, Start Num: 106
Candidate Starts for MrMagoo_35:
(104, 27835), (Start: 106 @27841 has 6 MA's), (145, 27916), (176, 27961), (Start: 178 @27967 has 14 MA's), (182, 27973), (196, 27991), (220, 28036), (229, 28051), (235, 28066), (249, 28090), (261, 28111), (293, 28165), (299, 28171), (315, 28201), (329, 28234), (427, 28345), (442, 28381), (622, 28879),

Gene: MrPhizzler_33 Start: 32085, Stop: 33245, Start Num: 83
Candidate Starts for MrPhizzler_33:
(Start: 83 @32085 has 436 MA's), (Start: 135 @32196 has 1 MA's), (161, 32241), (218, 32340), (247, 32400), (267, 32436), (283, 32460), (306, 32505), (311, 32511), (350, 32562), (390, 32601), (391, 32604), (399, 32616), (409, 32631), (424, 32655), (437, 32688), (467, 32769), (480, 32814), (497, 32862), (510, 32898), (514, 32907), (517, 32913), (609, 33138),

Gene: MrWormie_30 Start: 37259, Stop: 38161, Start Num: 217
Candidate Starts for MrWormie_30:
(Start: 217 @37259 has 25 MA's), (293, 37397), (337, 37466), (375, 37514), (422, 37577), (437, 37613), (493, 37781), (600, 38033), (627, 38138),

Gene: Ms6_19 Start: 19730, Stop: 20884, Start Num: 86
Candidate Starts for Ms6_19:
(31, 19493), (39, 19535), (44, 19565), (50, 19595), (59, 19655), (69, 19709), (Start: 86 @19730 has 22 MA's), (124, 19811), (Start: 149 @19859 has 1 MA's), (181, 19919), (189, 19928), (199, 19943), (210, 19967), (222, 19991), (227, 20003), (267, 20078), (272, 20087), (285, 20111), (303, 20141), (379, 20225), (381, 20228), (393, 20249), (467, 20408), (493, 20498), (497, 20507), (506, 20537), (517, 20558), (627, 20861),

Gene: MsGreen_22 Start: 22247, Stop: 23464, Start Num: 91
Candidate Starts for MsGreen_22:
(Start: 91 @22247 has 34 MA's), (133, 22349), (140, 22361), (Start: 152 @22379 has 1 MA's), (157, 22388), (177, 22427), (201, 22463), (209, 22478), (211, 22484), (225, 22514), (227, 22517), (244, 22553), (250, 22565), (283, 22616), (284, 22619), (318, 22679), (329, 22706), (337, 22721), (342, 22727), (350, 22739), (379, 22799), (393, 22823), (432, 22883), (468, 22979), (473, 23012), (500, 23084), (510, 23108), (606, 23336), (609, 23348),

Gene: Muddy_25 Start: 21935, Stop: 22960, Start Num: 142
Candidate Starts for Muddy_25:
(Start: 142 @21935 has 2 MA's), (194, 22025), (280, 22181), (317, 22244), (319, 22247), (425, 22391), (437, 22427), (461, 22478), (475, 22535), (553, 22733), (570, 22772), (617, 22898),

Gene: Mudslide_30 Start: 32852, Stop: 34009, Start Num: 83
Candidate Starts for Mudslide_30:
(Start: 83 @32852 has 436 MA's), (Start: 128 @32945 has 1 MA's), (Start: 135 @32960 has 1 MA's), (Start: 143 @32975 has 31 MA's), (Start: 152 @32987 has 1 MA's), (161, 33005), (188, 33047), (214, 33095), (236, 33146), (240, 33155), (253, 33173), (267, 33200), (275, 33215), (280, 33221), (283, 33227), (285, 33233), (303, 33260), (306, 33269), (324, 33302), (350, 33335), (429, 33425), (432, 33431), (449, 33476), (468, 33530), (469, 33533), (517, 33677), (578, 33830),

Gene: Mulan_32 Start: 32094, Stop: 33254, Start Num: 83
Candidate Starts for Mulan_32:
(Start: 83 @32094 has 436 MA's), (Start: 135 @32205 has 1 MA's), (161, 32250), (218, 32349), (247, 32409), (267, 32445), (283, 32469), (306, 32514), (311, 32520), (350, 32571), (390, 32610), (391, 32613), (399, 32625), (424, 32664), (437, 32697), (467, 32778), (480, 32823), (497, 32871), (510, 32907), (514, 32916), (517, 32922), (609, 33147),

Gene: Mulaychimus_33 Start: 32187, Stop: 33389, Start Num: 83
Candidate Starts for Mulaychimus_33:
(Start: 83 @32187 has 436 MA's), (99, 32220), (177, 32364), (183, 32373), (188, 32382), (209, 32421), (214, 32430), (222, 32448), (247, 32499), (253, 32508), (259, 32520), (262, 32526), (267, 32535), (293, 32580), (303, 32595), (332, 32640), (365, 32709), (372, 32724), (379, 32736), (393, 32760), (424, 32808), (427, 32814), (429, 32820), (432, 32826), (441, 32850), (469, 32925), (473, 32955), (497, 33015), (500, 33027), (506, 33045), (543, 33144), (545, 33147), (594, 33252), (596, 33258), (600, 33276), (626, 33363),

Gene: Mulch_27 Start: 23315, Stop: 24382, Start Num: 150
Candidate Starts for Mulch_27:
(Start: 150 @23315 has 30 MA's), (265, 23525), (374, 23693), (450, 23834), (457, 23849), (461, 23861), (468, 23885), (492, 23969), (504, 24005), (548, 24116),

Gene: MulchSalad_20 Start: 19992, Stop: 21206, Start Num: 131
Candidate Starts for MulchSalad_20:
(38, 19662), (75, 19860), (Start: 130 @19989 has 6 MA's), (Start: 131 @19992 has 18 MA's), (268, 20253), (358, 20424), (439, 20574), (453, 20613), (488, 20715), (497, 20757), (619, 21129),

Gene: Murdoc_33 Start: 32369, Stop: 33529, Start Num: 83
Candidate Starts for Murdoc_33:
(Start: 83 @32369 has 436 MA's), (Start: 135 @32480 has 1 MA's), (161, 32525), (218, 32624), (247, 32684), (267, 32720), (283, 32744), (306, 32789), (311, 32795), (350, 32846), (390, 32885), (391, 32888), (399, 32900), (409, 32915), (424, 32939), (437, 32972), (467, 33053), (480, 33098), (497, 33146), (510, 33182), (514, 33191), (517, 33197), (609, 33422),

Gene: Mutante_32 Start: 32076, Stop: 33236, Start Num: 83
Candidate Starts for Mutante_32:
(Start: 83 @32076 has 436 MA's), (Start: 135 @32187 has 1 MA's), (161, 32232), (218, 32331), (247, 32391), (267, 32427), (283, 32451), (306, 32496), (311, 32502), (350, 32553), (390, 32592), (391, 32595), (399, 32607), (409, 32622), (424, 32646), (437, 32679), (467, 32760), (480, 32805), (497, 32853), (510, 32889), (514, 32898), (517, 32904), (609, 33129),

Gene: Mysterious_32 Start: 32854, Stop: 34362, Start Num: 29
Candidate Starts for Mysterious_32:
(Start: 29 @32854 has 11 MA's), (34, 32893), (48, 32965), (52, 32992), (54, 33001), (60, 33043), (63, 33058), (65, 33070), (70, 33100), (Start: 83 @33121 has 436 MA's), (Start: 89 @33130 has 7 MA's), (107, 33178), (136, 33232), (139, 33235), (177, 33307), (201, 33358), (215, 33385), (227, 33412), (256, 33463), (273, 33499), (283, 33514), (304, 33553), (313, 33568), (350, 33643), (369, 33688), (371, 33694), (376, 33703), (421, 33775), (432, 33799), (442, 33826), (458, 33865), (469, 33901), (506, 34027), (543, 34117), (596, 34228), (631, 34348),

Gene: Nacho_0033 Start: 32371, Stop: 33531, Start Num: 83
Candidate Starts for Nacho_0033:
(Start: 83 @32371 has 436 MA's), (Start: 135 @32482 has 1 MA's), (161, 32527), (218, 32626), (247, 32686), (267, 32722), (283, 32746), (306, 32791), (311, 32797), (350, 32848), (390, 32887), (391,

32890), (399, 32902), (409, 32917), (424, 32941), (437, 32974), (467, 33055), (480, 33100), (497, 33148), (510, 33184), (514, 33193), (517, 33199), (609, 33424),

Gene: Nadeem_27 Start: 23315, Stop: 24382, Start Num: 150
Candidate Starts for Nadeem_27:
(Start: 150 @23315 has 30 MA's), (265, 23525), (374, 23693), (450, 23834), (457, 23849), (461, 23861), (468, 23885), (492, 23969), (548, 24116),

Gene: Nanao_29 Start: 31577, Stop: 32734, Start Num: 83
Candidate Starts for Nanao_29:
(Start: 83 @31577 has 436 MA's), (Start: 128 @31670 has 1 MA's), (Start: 135 @31685 has 1 MA's), (Start: 143 @31700 has 31 MA's), (Start: 152 @31712 has 1 MA's), (161, 31730), (214, 31820), (236, 31871), (240, 31880), (245, 31886), (253, 31898), (267, 31925), (275, 31940), (280, 31946), (283, 31952), (303, 31985), (306, 31994), (324, 32027), (350, 32060), (429, 32150), (432, 32156), (468, 32255), (469, 32258), (517, 32402), (578, 32555),

Gene: NancyRae_27 Start: 23321, Stop: 24388, Start Num: 150
Candidate Starts for NancyRae_27:
(Start: 150 @23321 has 30 MA's), (265, 23531), (374, 23699), (450, 23840), (457, 23855), (461, 23867), (468, 23891), (492, 23975), (504, 24011), (548, 24122),

Gene: Nangang_32 Start: 32544, Stop: 34049, Start Num: 29
Candidate Starts for Nangang_32:
(Start: 29 @32544 has 11 MA's), (34, 32583), (48, 32655), (52, 32682), (60, 32733), (63, 32748), (Start: 180 @33000 has 3 MA's), (192, 33030), (201, 33048), (215, 33075), (227, 33102), (283, 33204), (304, 33243), (313, 33258), (350, 33333), (369, 33378), (371, 33384), (376, 33393), (432, 33489), (458, 33555), (469, 33591), (543, 33804), (596, 33915), (631, 34035),

Gene: Nanosmite_35 Start: 27723, Stop: 28895, Start Num: 87
Candidate Starts for Nanosmite_35:
(84, 27717), (Start: 87 @27723 has 2 MA's), (133, 27828), (Start: 135 @27831 has 1 MA's), (Start: 152 @27858 has 1 MA's), (222, 27984), (248, 28038), (251, 28044), (258, 28053), (291, 28113), (310, 28146), (326, 28176), (327, 28182), (393, 28242), (421, 28284), (516, 28539), (530, 28593), (574, 28689), (584, 28716), (587, 28722),

Gene: Nathan_33 Start: 32407, Stop: 33567, Start Num: 83
Candidate Starts for Nathan_33:
(Start: 83 @32407 has 436 MA's), (Start: 135 @32518 has 1 MA's), (161, 32563), (218, 32662), (247, 32722), (267, 32758), (283, 32782), (306, 32827), (311, 32833), (350, 32884), (390, 32923), (391, 32926), (399, 32938), (409, 32953), (424, 32977), (437, 33010), (467, 33091), (480, 33136), (497, 33184), (510, 33220), (514, 33229), (517, 33235), (609, 33460),

Gene: Necropolis_22 Start: 21299, Stop: 22336, Start Num: 146
Candidate Starts for Necropolis_22:
(Start: 131 @21275 has 18 MA's), (Start: 143 @21296 has 31 MA's), (Start: 146 @21299 has 97 MA's), (162, 21323), (232, 21461), (254, 21503), (293, 21572), (333, 21632), (369, 21677), (392, 21722), (437, 21803), (461, 21860), (468, 21884), (500, 21989), (525, 22061), (540, 22106), (616, 22271),

Gene: Nehemiah_31 Start: 32857, Stop: 34362, Start Num: 29
Candidate Starts for Nehemiah_31:
(Start: 29 @32857 has 11 MA's), (34, 32896), (48, 32968), (52, 32995), (54, 33004), (60, 33046), (63, 33061), (65, 33073), (70, 33103), (Start: 83 @33124 has 436 MA's), (Start: 89 @33133 has 7 MA's),

(107, 33181), (136, 33235), (139, 33238), (177, 33310), (201, 33361), (215, 33388), (227, 33415), (256, 33466), (273, 33502), (283, 33517), (304, 33556), (313, 33571), (350, 33646), (369, 33691), (371, 33697), (376, 33706), (421, 33778), (432, 33802), (442, 33829), (458, 33868), (469, 33904), (506, 34027), (543, 34117), (596, 34228), (631, 34348),

Gene: Nehme_32 Start: 32103, Stop: 33263, Start Num: 83
Candidate Starts for Nehme_32:
(Start: 83 @32103 has 436 MA's), (Start: 135 @32214 has 1 MA's), (161, 32259), (218, 32358), (247, 32418), (267, 32454), (283, 32478), (306, 32523), (311, 32529), (350, 32580), (390, 32619), (391, 32622), (399, 32634), (424, 32673), (437, 32706), (467, 32787), (480, 32832), (497, 32880), (510, 32916), (514, 32925), (517, 32931), (609, 33156),

Gene: Neighly_28 Start: 23877, Stop: 24941, Start Num: 146
Candidate Starts for Neighly_28:
(Start: 146 @23877 has 97 MA's), (197, 23967), (211, 23997), (236, 24051), (238, 24057), (264, 24105), (289, 24144), (302, 24162), (303, 24165), (366, 24246), (392, 24294), (404, 24312), (468, 24453), (494, 24543), (495, 24546), (497, 24549), (508, 24582), (514, 24594), (542, 24681), (544, 24684), (587, 24780), (624, 24897),

Gene: Nenae_21 Start: 19877, Stop: 21031, Start Num: 86
Candidate Starts for Nenae_21:
(31, 19640), (39, 19682), (44, 19712), (50, 19742), (59, 19802), (69, 19856), (Start: 86 @19877 has 22 MA's), (112, 19940), (124, 19958), (Start: 149 @20006 has 1 MA's), (181, 20066), (189, 20075), (199, 20090), (210, 20114), (222, 20138), (227, 20150), (267, 20225), (272, 20234), (285, 20258), (303, 20288), (331, 20333), (332, 20336), (336, 20342), (379, 20372), (381, 20375), (393, 20396), (467, 20555), (493, 20645), (497, 20654), (506, 20684), (517, 20705), (627, 21008),

Gene: Neoevie_30 Start: 38362, Stop: 39264, Start Num: 217
Candidate Starts for Neoevie_30:
(Start: 217 @38362 has 25 MA's), (293, 38500), (337, 38569), (375, 38617), (422, 38680), (437, 38716), (441, 38725), (493, 38884), (597, 39118), (600, 39136), (627, 39241),

Gene: Neos5_33 Start: 33020, Stop: 34222, Start Num: 83
Candidate Starts for Neos5_33:
(Start: 83 @33020 has 436 MA's), (99, 33053), (177, 33197), (183, 33206), (188, 33215), (209, 33254), (214, 33263), (222, 33281), (230, 33299), (237, 33317), (240, 33323), (249, 33335), (259, 33353), (267, 33368), (287, 33401), (303, 33428), (332, 33473), (371, 33554), (386, 33581), (397, 33599), (409, 33617), (432, 33659), (441, 33683), (469, 33758), (473, 33788), (497, 33848), (500, 33860), (506, 33878), (545, 33980), (594, 34085), (596, 34091), (600, 34109), (626, 34196),

Gene: Nettle_34 Start: 29778, Stop: 30827, Start Num: 143
Candidate Starts for Nettle_34:
(Start: 143 @29778 has 31 MA's), (191, 29853), (210, 29892), (220, 29913), (258, 29988), (266, 30003), (303, 30066), (333, 30126), (404, 30228), (498, 30462), (587, 30690),

Gene: Newman_33 Start: 32368, Stop: 33528, Start Num: 83
Candidate Starts for Newman_33:
(Start: 83 @32368 has 436 MA's), (Start: 135 @32479 has 1 MA's), (161, 32524), (218, 32623), (247, 32683), (267, 32719), (283, 32743), (306, 32788), (311, 32794), (350, 32845), (390, 32884), (391, 32887), (399, 32899), (409, 32914), (424, 32938), (437, 32971), (467, 33052), (480, 33097), (497, 33145), (510, 33181), (514, 33190), (517, 33196), (609, 33421),

Gene: Newt_31 Start: 38589, Stop: 39491, Start Num: 217

Candidate Starts for Newt_31:
(Start: 217 @38589 has 25 MA's), (293, 38727), (337, 38796), (375, 38844), (422, 38907), (437, 38943), (493, 39111), (600, 39363), (627, 39468),

Gene: NiaNia_34 Start: 32099, Stop: 33259, Start Num: 83
Candidate Starts for NiaNia_34:
(Start: 83 @32099 has 436 MA's), (Start: 135 @32210 has 1 MA's), (161, 32255), (218, 32354), (247, 32414), (267, 32450), (283, 32474), (306, 32519), (311, 32525), (350, 32576), (390, 32615), (391, 32618), (399, 32630), (409, 32645), (424, 32669), (437, 32702), (467, 32783), (480, 32828), (497, 32876), (510, 32912), (514, 32921), (517, 32927), (609, 33152),

Gene: Nicholas_22 Start: 22247, Stop: 23464, Start Num: 91
Candidate Starts for Nicholas_22:
(Start: 91 @22247 has 34 MA's), (133, 22349), (140, 22361), (Start: 152 @22379 has 1 MA's), (157, 22388), (177, 22427), (201, 22463), (209, 22478), (211, 22484), (225, 22514), (227, 22517), (244, 22553), (250, 22565), (283, 22616), (284, 22619), (318, 22679), (329, 22706), (337, 22721), (342, 22727), (350, 22739), (379, 22799), (393, 22823), (432, 22883), (468, 22979), (473, 23012), (500, 23084), (510, 23108), (606, 23336), (609, 23348),

Gene: Nicole21_33 Start: 32366, Stop: 33526, Start Num: 83
Candidate Starts for Nicole21_33:
(Start: 83 @32366 has 436 MA's), (Start: 135 @32477 has 1 MA's), (161, 32522), (218, 32621), (247, 32681), (267, 32717), (283, 32741), (306, 32786), (311, 32792), (350, 32843), (390, 32882), (391, 32885), (399, 32897), (409, 32912), (424, 32936), (437, 32969), (467, 33050), (480, 33095), (497, 33143), (510, 33179), (514, 33188), (517, 33194), (609, 33419),

Gene: Nigel_28 Start: 31491, Stop: 32651, Start Num: 85
Candidate Starts for Nigel_28:
(19, 30987), (Start: 85 @31491 has 4 MA's), (97, 31518), (Start: 135 @31602 has 1 MA's), (Start: 143 @31617 has 31 MA's), (Start: 152 @31629 has 1 MA's), (161, 31647), (236, 31788), (240, 31797), (253, 31815), (267, 31842), (275, 31857), (280, 31863), (283, 31869), (293, 31887), (303, 31902), (306, 31911), (324, 31944), (350, 31977), (379, 31989), (383, 31995), (429, 32067), (432, 32073), (465, 32163), (468, 32172), (517, 32319), (578, 32472),

Gene: Nimi13_30 Start: 38107, Stop: 39009, Start Num: 217
Candidate Starts for Nimi13_30:
(Start: 217 @38107 has 25 MA's), (293, 38245), (337, 38314), (375, 38362), (422, 38425), (437, 38461), (441, 38470), (493, 38629), (597, 38863), (600, 38881), (627, 38986),

Gene: NoShow_22 Start: 21146, Stop: 22273, Start Num: 108
Candidate Starts for NoShow_22:
(Start: 108 @21146 has 1 MA's), (186, 21290), (190, 21296), (195, 21308), (197, 21311), (208, 21335), (305, 21506), (316, 21527), (369, 21599), (398, 21647), (482, 21845), (492, 21878), (612, 22193),

Gene: Nolwazi_30 Start: 24510, Stop: 25514, Start Num: 178
Candidate Starts for Nolwazi_30:
(Start: 178 @24510 has 14 MA's), (275, 24678), (304, 24723), (306, 24729), (341, 24783), (347, 24792), (362, 24828), (385, 24873), (399, 24894), (403, 24900), (405, 24903), (467, 25035), (468, 25038), (506, 25161), (517, 25182), (616, 25449),

Gene: NorManre_34 Start: 29125, Stop: 30174, Start Num: 143
Candidate Starts for NorManre_34:

(Start: 143 @29125 has 31 MA's), (191, 29200), (210, 29239), (220, 29260), (258, 29335), (266, 29350), (303, 29413), (437, 29638), (498, 29809), (587, 30037), (609, 30082),

Gene: NosilaM_48 Start: 35951, Stop: 37006, Start Num: 150
Candidate Starts for NosilaM_48:
(Start: 150 @35951 has 30 MA's), (261, 36164), (380, 36347), (500, 36635), (627, 36980),

Gene: Nova1_32 Start: 32025, Stop: 33185, Start Num: 83
Candidate Starts for Nova1_32:
(Start: 83 @32025 has 436 MA's), (Start: 135 @32136 has 1 MA's), (161, 32181), (218, 32280), (247, 32340), (267, 32376), (283, 32400), (306, 32445), (311, 32451), (350, 32502), (390, 32541), (391, 32544), (399, 32556), (424, 32595), (437, 32628), (467, 32709), (497, 32802), (510, 32838), (514, 32847), (517, 32853), (609, 33078),

Gene: NovaSharks_32 Start: 27111, Stop: 28208, Start Num: 148
Candidate Starts for NovaSharks_32:
(Start: 148 @27111 has 14 MA's), (210, 27225), (257, 27318), (277, 27351), (280, 27354), (281, 27357), (293, 27378), (302, 27390), (333, 27438), (377, 27501), (411, 27555), (454, 27651), (465, 27693), (538, 27927), (559, 27966), (595, 28053), (633, 28200),

Gene: NovoPizza_24 Start: 24478, Stop: 25725, Start Num: 87
Candidate Starts for NovoPizza_24:
(1, 22918), (2, 23035), (4, 23296), (7, 23614), (15, 23929), (18, 23953), (24, 24055), (71, 24454), (Start: 87 @24478 has 2 MA's), (92, 24487), (118, 24550), (151, 24616), (174, 24661), (175, 24664), (228, 24763), (249, 24805), (309, 24916), (315, 24925), (382, 25054), (458, 25195), (466, 25216), (497, 25321), (498, 25324), (507, 25348), (552, 25462), (608, 25615), (629, 25705),

Gene: Nozo_33 Start: 32981, Stop: 34183, Start Num: 83
Candidate Starts for Nozo_33:
(Start: 83 @32981 has 436 MA's), (99, 33014), (177, 33158), (183, 33167), (188, 33176), (209, 33215), (214, 33224), (222, 33242), (230, 33260), (237, 33278), (240, 33284), (249, 33296), (259, 33314), (267, 33329), (287, 33362), (303, 33389), (332, 33434), (371, 33515), (386, 33542), (397, 33560), (409, 33578), (432, 33620), (441, 33644), (469, 33719), (473, 33749), (497, 33809), (500, 33821), (506, 33839), (545, 33941), (594, 34046), (596, 34052), (600, 34070), (626, 34157),

Gene: Numberten_33 Start: 32375, Stop: 33535, Start Num: 83
Candidate Starts for Numberten_33:
(Start: 83 @32375 has 436 MA's), (Start: 135 @32486 has 1 MA's), (161, 32531), (218, 32630), (247, 32690), (267, 32726), (283, 32750), (306, 32795), (311, 32801), (350, 32852), (390, 32891), (391, 32894), (399, 32906), (424, 32945), (437, 32978), (467, 33059), (480, 33104), (497, 33152), (510, 33188), (514, 33197), (517, 33203), (609, 33428),

Gene: Nyala_32 Start: 32068, Stop: 33228, Start Num: 83
Candidate Starts for Nyala_32:
(Start: 83 @32068 has 436 MA's), (Start: 135 @32179 has 1 MA's), (161, 32224), (218, 32323), (247, 32383), (267, 32419), (283, 32443), (306, 32488), (311, 32494), (350, 32545), (390, 32584), (391, 32587), (399, 32599), (409, 32614), (424, 32638), (437, 32671), (467, 32752), (480, 32797), (497, 32845), (510, 32881), (514, 32890), (517, 32896), (609, 33121),

Gene: Nyceirae_31 Start: 26839, Stop: 27909, Start Num: 146
Candidate Starts for Nyceirae_31:
(Start: 146 @26839 has 97 MA's), (193, 26920), (205, 26944), (258, 27049), (289, 27106), (303, 27127), (328, 27175), (416, 27301), (437, 27352), (461, 27409), (465, 27424), (500, 27541),

Gene: OBUpride_27 Start: 23365, Stop: 24603, Start Num: 83
Candidate Starts for OBUpride_27:
(13, 22753), (14, 22819), (20, 22909), (21, 22912), (28, 23062), (36, 23149), (37, 23152), (59, 23290), (Start: 83 @23365 has 436 MA's), (126, 23461), (138, 23488), (Start: 141 @23494 has 12 MA's), (163, 23533), (167, 23542), (195, 23587), (201, 23599), (220, 23638), (249, 23695), (278, 23746), (286, 23761), (306, 23800), (325, 23833), (341, 23854), (345, 23860), (360, 23896), (365, 23908), (367, 23911), (393, 23959), (397, 23965), (399, 23968), (405, 23977), (467, 24115), (497, 24208), (519, 24265), (520, 24271), (553, 24355), (558, 24370), (560, 24373), (591, 24439), (598, 24472),

Gene: OSmaximus_33 Start: 32410, Stop: 33570, Start Num: 83
Candidate Starts for OSmaximus_33:
(Start: 83 @32410 has 436 MA's), (Start: 135 @32521 has 1 MA's), (161, 32566), (218, 32665), (247, 32725), (267, 32761), (283, 32785), (306, 32830), (311, 32836), (350, 32887), (390, 32926), (391, 32929), (399, 32941), (409, 32956), (424, 32980), (437, 33013), (467, 33094), (480, 33139), (497, 33187), (510, 33223), (514, 33232), (517, 33238), (609, 33463),

Gene: Obutu_33 Start: 32205, Stop: 33407, Start Num: 83
Candidate Starts for Obutu_33:
(Start: 83 @32205 has 436 MA's), (99, 32238), (177, 32382), (183, 32391), (188, 32400), (209, 32439), (214, 32448), (222, 32466), (247, 32517), (253, 32526), (259, 32538), (262, 32544), (267, 32553), (293, 32598), (303, 32613), (332, 32658), (365, 32727), (372, 32742), (379, 32754), (393, 32778), (424, 32826), (427, 32832), (429, 32838), (432, 32844), (441, 32868), (469, 32943), (473, 32973), (497, 33033), (500, 33045), (506, 33063), (543, 33162), (545, 33165), (594, 33270), (596, 33276), (600, 33294), (626, 33381),

Gene: OhShagHennessy_21 Start: 21653, Stop: 22825, Start Num: 91
Candidate Starts for OhShagHennessy_21:
(Start: 89 @21650 has 7 MA's), (Start: 91 @21653 has 34 MA's), (Start: 149 @21779 has 1 MA's), (173, 21821), (177, 21833), (Start: 180 @21836 has 3 MA's), (201, 21869), (206, 21881), (230, 21929), (237, 21947), (259, 21983), (267, 21998), (298, 22049), (315, 22079), (334, 22121), (352, 22145), (401, 22181), (405, 22187), (423, 22214), (432, 22232), (469, 22325), (470, 22328), (494, 22412), (547, 22550), (557, 22568), (593, 22652),

Gene: Okabe_21 Start: 20462, Stop: 21499, Start Num: 146
Candidate Starts for Okabe_21:
(Start: 131 @20438 has 18 MA's), (Start: 143 @20459 has 31 MA's), (Start: 146 @20462 has 97 MA's), (162, 20486), (232, 20624), (254, 20666), (293, 20735), (333, 20795), (369, 20840), (392, 20885), (437, 20966), (461, 21023), (468, 21047), (500, 21152), (525, 21224), (540, 21269),

Gene: OkiRoe_27 Start: 23934, Stop: 25001, Start Num: 146
Candidate Starts for OkiRoe_27:
(Start: 146 @23934 has 97 MA's), (210, 24051), (236, 24108), (260, 24156), (264, 24162), (303, 24222), (309, 24237), (323, 24264), (366, 24303), (369, 24306), (374, 24318), (376, 24321), (377, 24324), (385, 24339), (416, 24384), (420, 24390), (441, 24444), (461, 24492), (470, 24522), (484, 24567), (525, 24696), (546, 24750),

Gene: Olak_32 Start: 32072, Stop: 33232, Start Num: 83
Candidate Starts for Olak_32:
(Start: 83 @32072 has 436 MA's), (Start: 135 @32183 has 1 MA's), (161, 32228), (218, 32327), (247, 32387), (267, 32423), (283, 32447), (306, 32492), (311, 32498), (350, 32549), (390, 32588), (391, 32591), (399, 32603), (409, 32618), (424, 32642), (437, 32675), (467, 32756), (480, 32801), (497, 32849), (510, 32885), (514, 32894), (517, 32900), (609, 33125),

Gene: Oline_32 Start: 31937, Stop: 33097, Start Num: 83
Candidate Starts for Oline_32:
(Start: 83 @31937 has 436 MA's), (Start: 135 @32048 has 1 MA's), (161, 32093), (218, 32192), (247, 32252), (267, 32288), (283, 32312), (306, 32357), (311, 32363), (350, 32414), (390, 32453), (391, 32456), (399, 32468), (424, 32507), (437, 32540), (467, 32621), (497, 32714), (510, 32750), (514, 32759), (517, 32765), (609, 32990),

Gene: Olive_33 Start: 32358, Stop: 33518, Start Num: 83
Candidate Starts for Olive_33:
(Start: 83 @32358 has 436 MA's), (Start: 135 @32469 has 1 MA's), (161, 32514), (218, 32613), (247, 32673), (267, 32709), (283, 32733), (306, 32778), (311, 32784), (350, 32835), (390, 32874), (391, 32877), (399, 32889), (424, 32928), (437, 32961), (467, 33042), (480, 33087), (497, 33135), (510, 33171), (514, 33180), (517, 33186), (609, 33411),

Gene: OliverWalter_33 Start: 32380, Stop: 33540, Start Num: 83
Candidate Starts for OliverWalter_33:
(Start: 83 @32380 has 436 MA's), (Start: 135 @32491 has 1 MA's), (161, 32536), (218, 32635), (247, 32695), (267, 32731), (283, 32755), (306, 32800), (311, 32806), (350, 32857), (390, 32896), (391, 32899), (399, 32911), (409, 32926), (424, 32950), (437, 32983), (467, 33064), (480, 33109), (497, 33157), (510, 33193), (514, 33202), (517, 33208), (609, 33433),

Gene: Olivio_32 Start: 32074, Stop: 33276, Start Num: 83
Candidate Starts for Olivio_32:
(Start: 83 @32074 has 436 MA's), (99, 32107), (177, 32251), (183, 32260), (188, 32269), (209, 32308), (214, 32317), (222, 32335), (230, 32353), (237, 32371), (240, 32377), (249, 32389), (259, 32407), (267, 32422), (287, 32455), (303, 32482), (332, 32527), (371, 32608), (386, 32635), (397, 32653), (409, 32671), (432, 32713), (441, 32737), (469, 32812), (473, 32842), (497, 32902), (500, 32914), (506, 32932), (543, 33031), (545, 33034), (594, 33139), (596, 33145), (600, 33163), (626, 33250),

Gene: OmniCritical_29 Start: 24494, Stop: 25498, Start Num: 178
Candidate Starts for OmniCritical_29:
(Start: 178 @24494 has 14 MA's), (275, 24662), (304, 24707), (306, 24713), (341, 24767), (347, 24776), (385, 24857), (399, 24878), (403, 24884), (405, 24887), (467, 25019), (468, 25022), (506, 25145), (601, 25376),

Gene: Omnicron_28 Start: 22797, Stop: 23876, Start Num: 146
Candidate Starts for Omnicron_28:
(Start: 146 @22797 has 97 MA's), (Start: 164 @22824 has 1 MA's), (236, 22971), (238, 22977), (264, 23025), (289, 23064), (302, 23082), (309, 23100), (366, 23166), (385, 23202), (400, 23226), (404, 23232), (447, 23325), (480, 23427), (494, 23472), (514, 23517), (516, 23520), (521, 23538), (526, 23559), (540, 23601), (553, 23619), (590, 23715), (592, 23718), (629, 23859),

Gene: Omniscient_33 Start: 32377, Stop: 33537, Start Num: 83
Candidate Starts for Omniscient_33:
(Start: 83 @32377 has 436 MA's), (Start: 135 @32488 has 1 MA's), (161, 32533), (218, 32632), (247, 32692), (267, 32728), (283, 32752), (306, 32797), (311, 32803), (350, 32854), (390, 32893), (391, 32896), (399, 32908), (409, 32923), (424, 32947), (437, 32980), (467, 33061), (480, 33106), (497, 33154), (510, 33190), (514, 33199), (517, 33205), (609, 33430),

Gene: OneBrain_33 Start: 32076, Stop: 33236, Start Num: 83
Candidate Starts for OneBrain_33:

(Start: 83 @32076 has 436 MA's), (Start: 135 @32187 has 1 MA's), (161, 32232), (218, 32331), (247, 32391), (267, 32427), (283, 32451), (306, 32496), (311, 32502), (350, 32553), (390, 32592), (391, 32595), (399, 32607), (409, 32622), (424, 32646), (437, 32679), (467, 32760), (497, 32853), (510, 32889), (514, 32898), (517, 32904), (609, 33129),

Gene: Onyinye_43 Start: 33042, Stop: 34181, Start Num: 110
Candidate Starts for Onyinye_43:
(Start: 108 @33039 has 1 MA's), (Start: 110 @33042 has 3 MA's), (121, 33063), (Start: 135 @33099 has 1 MA's), (195, 33213), (197, 33216), (227, 33270), (242, 33297), (302, 33402), (307, 33411), (352, 33483), (387, 33534), (393, 33543), (408, 33564), (429, 33600), (495, 33786), (511, 33828), (512, 33831), (521, 33855), (546, 33921),

Gene: Oosterbaan_33 Start: 32368, Stop: 33528, Start Num: 83
Candidate Starts for Oosterbaan_33:
(Start: 83 @32368 has 436 MA's), (Start: 135 @32479 has 1 MA's), (161, 32524), (218, 32623), (247, 32683), (267, 32719), (283, 32743), (306, 32788), (311, 32794), (350, 32845), (390, 32884), (391, 32887), (399, 32899), (409, 32914), (424, 32938), (437, 32971), (467, 33052), (480, 33097), (497, 33145), (510, 33181), (514, 33190), (517, 33196), (609, 33421),

Gene: Opia_33 Start: 32684, Stop: 33847, Start Num: 83
Candidate Starts for Opia_33:
(46, 32537), (Start: 79 @32678 has 10 MA's), (Start: 83 @32684 has 436 MA's), (102, 32723), (114, 32753), (Start: 135 @32798 has 1 MA's), (161, 32843), (218, 32942), (247, 33002), (267, 33038), (283, 33062), (306, 33107), (311, 33113), (350, 33164), (390, 33203), (391, 33206), (399, 33218), (409, 33233), (424, 33257), (437, 33290), (467, 33371), (497, 33464), (510, 33500), (514, 33509), (517, 33515), (609, 33740),

Gene: OrangeOswald_33 Start: 32222, Stop: 33424, Start Num: 83
Candidate Starts for OrangeOswald_33:
(Start: 83 @32222 has 436 MA's), (99, 32255), (177, 32399), (183, 32408), (188, 32417), (209, 32456), (214, 32465), (222, 32483), (230, 32501), (237, 32519), (240, 32525), (249, 32537), (259, 32555), (267, 32570), (287, 32603), (303, 32630), (332, 32675), (371, 32756), (386, 32783), (397, 32801), (409, 32819), (432, 32861), (441, 32885), (469, 32960), (473, 32990), (497, 33050), (500, 33062), (506, 33080), (545, 33182), (594, 33287), (596, 33293), (600, 33311), (626, 33398),

Gene: Orfeu_32 Start: 32076, Stop: 33236, Start Num: 83
Candidate Starts for Orfeu_32:
(Start: 83 @32076 has 436 MA's), (Start: 135 @32187 has 1 MA's), (161, 32232), (218, 32331), (247, 32391), (267, 32427), (283, 32451), (306, 32496), (311, 32502), (350, 32553), (390, 32592), (391, 32595), (399, 32607), (409, 32622), (424, 32646), (437, 32679), (467, 32760), (480, 32805), (497, 32853), (510, 32889), (514, 32898), (517, 32904), (609, 33129),

Gene: Orion_33 Start: 32366, Stop: 33526, Start Num: 83
Candidate Starts for Orion_33:
(Start: 83 @32366 has 436 MA's), (Start: 135 @32477 has 1 MA's), (161, 32522), (218, 32621), (247, 32681), (267, 32717), (283, 32741), (306, 32786), (311, 32792), (350, 32843), (390, 32882), (391, 32885), (399, 32897), (409, 32912), (424, 32936), (437, 32969), (467, 33050), (480, 33095), (497, 33143), (510, 33179), (514, 33188), (517, 33194), (609, 33419),

Gene: Orwigg_32 Start: 32064, Stop: 33224, Start Num: 83
Candidate Starts for Orwigg_32:
(Start: 83 @32064 has 436 MA's), (Start: 135 @32175 has 1 MA's), (161, 32220), (218, 32319), (247, 32379), (267, 32415), (283, 32439), (306, 32484), (311, 32490), (350, 32541), (390, 32580), (391,

32583), (399, 32595), (409, 32610), (424, 32634), (437, 32667), (467, 32748), (480, 32793), (497, 32841), (510, 32877), (514, 32886), (517, 32892), (609, 33117),

Gene: OtterstedtS21_33 Start: 29200, Stop: 30249, Start Num: 143
Candidate Starts for OtterstedtS21_33:
(Start: 143 @29200 has 31 MA's), (210, 29314), (231, 29356), (258, 29410), (266, 29425), (303, 29488), (333, 29548), (404, 29650), (437, 29713), (498, 29884), (587, 30112),

Gene: Outis_46 Start: 35932, Stop: 36987, Start Num: 150
Candidate Starts for Outis_46:
(119, 35869), (Start: 150 @35932 has 30 MA's), (261, 36145), (368, 36304), (380, 36328), (500, 36616), (616, 36916), (627, 36961),

Gene: P3MA_24 Start: 20823, Stop: 21977, Start Num: 91
Candidate Starts for P3MA_24:
(Start: 91 @20823 has 34 MA's), (Start: 152 @20955 has 1 MA's), (154, 20958), (177, 21003), (Start: 180 @21006 has 3 MA's), (184, 21015), (201, 21039), (219, 21075), (220, 21078), (222, 21081), (250, 21141), (267, 21168), (287, 21201), (298, 21219), (350, 21315), (354, 21321), (391, 21336), (423, 21381), (460, 21471), (466, 21489), (517, 21645), (539, 21711),

Gene: PG1_33 Start: 32379, Stop: 33539, Start Num: 83
Candidate Starts for PG1_33:
(Start: 83 @32379 has 436 MA's), (Start: 135 @32490 has 1 MA's), (161, 32535), (218, 32634), (247, 32694), (267, 32730), (283, 32754), (306, 32799), (311, 32805), (350, 32856), (390, 32895), (391, 32898), (399, 32910), (409, 32925), (424, 32949), (437, 32982), (467, 33063), (480, 33108), (497, 33156), (510, 33192), (514, 33201), (517, 33207), (609, 33432),

Gene: PR_25 Start: 29919, Stop: 31133, Start Num: 74
Candidate Starts for PR_25:
(Start: 74 @29919 has 2 MA's), (Start: 77 @29925 has 2 MA's), (97, 29964), (Start: 135 @30039 has 1 MA's), (137, 30042), (157, 30075), (170, 30096), (177, 30108), (181, 30114), (188, 30126), (209, 30165), (210, 30168), (247, 30243), (259, 30264), (303, 30339), (332, 30384), (350, 30414), (369, 30459), (372, 30468), (376, 30474), (379, 30480), (393, 30504), (423, 30549), (432, 30570), (441, 30594), (469, 30669), (473, 30699), (497, 30759), (500, 30771), (506, 30789), (543, 30888), (545, 30891), (594, 30996), (596, 31002), (611, 31068), (614, 31071), (626, 31107),

Gene: PYPDinur_21 Start: 21427, Stop: 22581, Start Num: 91
Candidate Starts for PYPDinur_21:
(Start: 91 @21427 has 34 MA's), (133, 21529), (140, 21541), (Start: 180 @21610 has 3 MA's), (230, 21703), (259, 21757), (275, 21787), (283, 21796), (304, 21835), (327, 21883), (342, 21907), (350, 21919), (393, 21943), (432, 22003), (444, 22033), (486, 22150), (493, 22186), (497, 22195), (518, 22252), (529, 22291),

Gene: Pace1224_23 Start: 23102, Stop: 24469, Start Num: 103
Candidate Starts for Pace1224_23:
(93, 23078), (Start: 103 @23102 has 6 MA's), (169, 23225), (183, 23252), (202, 23282), (218, 23312), (240, 23363), (267, 23408), (269, 23411), (283, 23435), (284, 23438), (303, 23471), (403, 23597), (446, 23687), (524, 23924), (543, 23969), (548, 23978), (584, 24044),

Gene: Pacifista_32 Start: 32070, Stop: 33230, Start Num: 83
Candidate Starts for Pacifista_32:
(Start: 83 @32070 has 436 MA's), (Start: 135 @32181 has 1 MA's), (161, 32226), (218, 32325), (247, 32385), (267, 32421), (283, 32445), (306, 32490), (311, 32496), (350, 32547), (390, 32586), (391,

32589), (399, 32601), (409, 32616), (424, 32640), (437, 32673), (467, 32754), (480, 32799), (497, 32847), (510, 32883), (514, 32892), (517, 32898), (609, 33123),

Gene: PallasAthena_32 Start: 32078, Stop: 33238, Start Num: 83
Candidate Starts for PallasAthena_32:
(Start: 83 @32078 has 436 MA's), (Start: 135 @32189 has 1 MA's), (161, 32234), (218, 32333), (247, 32393), (267, 32429), (283, 32453), (306, 32498), (311, 32504), (350, 32555), (390, 32594), (391, 32597), (399, 32609), (424, 32648), (437, 32681), (467, 32762), (480, 32807), (497, 32855), (510, 32891), (514, 32900), (517, 32906), (609, 33131),

Gene: Panchino_21 Start: 20180, Stop: 21217, Start Num: 146
Candidate Starts for Panchino_21:
(Start: 146 @20180 has 97 MA's), (230, 20336), (232, 20342), (291, 20450), (303, 20468), (369, 20558), (392, 20603), (437, 20684), (468, 20765), (494, 20852), (500, 20870), (525, 20942), (540, 20987), (616, 21152),

Gene: Paola_27 Start: 23933, Stop: 25000, Start Num: 146
Candidate Starts for Paola_27:
(Start: 146 @23933 has 97 MA's), (210, 24050), (236, 24107), (260, 24155), (264, 24161), (302, 24218), (303, 24221), (309, 24236), (323, 24263), (366, 24302), (369, 24305), (374, 24317), (376, 24320), (377, 24323), (385, 24338), (416, 24383), (420, 24389), (441, 24443), (461, 24491), (470, 24521), (484, 24566), (525, 24695), (546, 24749),

Gene: Parada_27 Start: 23315, Stop: 24382, Start Num: 150
Candidate Starts for Parada_27:
(Start: 150 @23315 has 30 MA's), (265, 23525), (374, 23693), (450, 23834), (457, 23849), (461, 23861), (468, 23885), (492, 23969), (504, 24005), (548, 24116),

Gene: Parmesanjohn_22 Start: 20223, Stop: 21437, Start Num: 131
Candidate Starts for Parmesanjohn_22:
(38, 19893), (75, 20091), (Start: 130 @20220 has 6 MA's), (Start: 131 @20223 has 18 MA's), (268, 20484), (358, 20655), (439, 20805), (453, 20844), (488, 20946), (497, 20988), (619, 21360),

Gene: ParvusTarda_33 Start: 28670, Stop: 29716, Start Num: 143
Candidate Starts for ParvusTarda_33:
(Start: 143 @28670 has 31 MA's), (210, 28784), (220, 28805), (258, 28880), (266, 28895), (303, 28958), (404, 29120), (498, 29354),

Gene: Patio_48 Start: 36198, Stop: 37259, Start Num: 150
Candidate Starts for Patio_48:
(Start: 150 @36198 has 30 MA's), (246, 36384), (366, 36570), (368, 36573), (469, 36783),

Gene: Patos_34 Start: 29125, Stop: 30174, Start Num: 143
Candidate Starts for Patos_34:
(Start: 143 @29125 has 31 MA's), (191, 29200), (210, 29239), (220, 29260), (258, 29335), (266, 29350), (303, 29413), (437, 29638), (498, 29809), (587, 30037), (609, 30082),

Gene: PeanutPie_22 Start: 21330, Stop: 22343, Start Num: 162
Candidate Starts for PeanutPie_22:
(Start: 131 @21282 has 18 MA's), (Start: 143 @21303 has 31 MA's), (Start: 146 @21306 has 97 MA's), (162, 21330), (232, 21468), (254, 21510), (293, 21579), (333, 21639), (369, 21684), (392, 21729), (437, 21810), (461, 21867), (468, 21891), (500, 21996), (525, 22068), (540, 22113), (616, 22278),

Gene: PegLeg_31 Start: 26991, Stop: 28046, Start Num: 146
Candidate Starts for PegLeg_31:
(Start: 146 @26991 has 97 MA's), (258, 27204), (280, 27240), (317, 27303), (376, 27375), (392, 27405), (406, 27426), (430, 27462), (441, 27498), (461, 27546), (467, 27567), (469, 27573), (473, 27603), (475, 27606), (493, 27654), (569, 27843), (576, 27864), (599, 27918),

Gene: Pemberton_47 Start: 33038, Stop: 34129, Start Num: 129
Candidate Starts for Pemberton_47:
(Start: 129 @33038 has 10 MA's), (147, 33071), (198, 33167), (291, 33350), (338, 33419), (437, 33557), (442, 33569), (443, 33572),

Gene: PenguinLover67_33 Start: 33434, Stop: 34648, Start Num: 80
Candidate Starts for PenguinLover67_33:
(Start: 80 @33434 has 12 MA's), (Start: 149 @33572 has 1 MA's), (181, 33632), (209, 33680), (210, 33683), (227, 33719), (236, 33740), (259, 33779), (272, 33803), (296, 33842), (317, 33881), (338, 33902), (349, 33920), (350, 33923), (468, 34136), (469, 34139), (481, 34184), (584, 34478),

Gene: Phaedrus_31 Start: 32138, Stop: 33340, Start Num: 83
Candidate Starts for Phaedrus_31:
(Start: 83 @32138 has 436 MA's), (99, 32171), (177, 32315), (183, 32324), (188, 32333), (209, 32372), (214, 32381), (222, 32399), (230, 32417), (237, 32435), (240, 32441), (249, 32453), (259, 32471), (267, 32486), (287, 32519), (303, 32546), (332, 32591), (371, 32672), (386, 32699), (397, 32717), (409, 32735), (432, 32777), (473, 32906), (506, 32996), (545, 33098), (575, 33155), (577, 33164), (594, 33203), (611, 33275), (627, 33317),

Gene: Phalm_22 Start: 21561, Stop: 22601, Start Num: 141
Candidate Starts for Phalm_22:
(Start: 141 @21561 has 12 MA's), (230, 21720), (232, 21726), (254, 21768), (291, 21834), (293, 21837), (333, 21897), (369, 21942), (392, 21987), (437, 22068), (461, 22125), (468, 22149), (500, 22254), (525, 22326), (540, 22371),

Gene: Phamished_33 Start: 32374, Stop: 33534, Start Num: 83
Candidate Starts for Phamished_33:
(Start: 83 @32374 has 436 MA's), (Start: 135 @32485 has 1 MA's), (161, 32530), (218, 32629), (247, 32689), (267, 32725), (283, 32749), (306, 32794), (311, 32800), (350, 32851), (390, 32890), (391, 32893), (399, 32905), (409, 32920), (424, 32944), (437, 32977), (467, 33058), (480, 33103), (497, 33151), (510, 33187), (514, 33196), (517, 33202), (609, 33427),

Gene: PhancyPhin_21 Start: 19874, Stop: 21028, Start Num: 86
Candidate Starts for PhancyPhin_21:
(31, 19637), (39, 19679), (44, 19709), (50, 19739), (59, 19799), (69, 19853), (Start: 86 @19874 has 22 MA's), (112, 19937), (124, 19955), (Start: 149 @20003 has 1 MA's), (181, 20063), (189, 20072), (199, 20087), (210, 20111), (222, 20135), (227, 20147), (267, 20222), (272, 20231), (285, 20255), (303, 20285), (331, 20330), (332, 20333), (336, 20339), (379, 20369), (381, 20372), (393, 20393), (467, 20552), (493, 20642), (497, 20651), (506, 20681), (517, 20702), (627, 21005),

Gene: Phantasmagoria_33 Start: 32695, Stop: 33858, Start Num: 83
Candidate Starts for Phantasmagoria_33:
(Start: 79 @32689 has 10 MA's), (Start: 83 @32695 has 436 MA's), (102, 32734), (114, 32764), (Start: 135 @32809 has 1 MA's), (161, 32854), (218, 32953), (247, 33013), (267, 33049), (283, 33073), (306, 33118), (311, 33124), (350, 33175), (390, 33214), (391, 33217), (399, 33229), (409, 33244), (424, 33268), (437, 33301), (467, 33382), (480, 33427), (497, 33475), (510, 33511), (514, 33520), (517,

33526), (609, 33751),

Gene: Phareon_33 Start: 32078, Stop: 33238, Start Num: 83
Candidate Starts for Phareon_33:
(Start: 83 @32078 has 436 MA's), (Start: 135 @32189 has 1 MA's), (161, 32234), (218, 32333), (247, 32393), (267, 32429), (283, 32453), (306, 32498), (311, 32504), (350, 32555), (390, 32594), (391, 32597), (399, 32609), (409, 32624), (424, 32648), (437, 32681), (467, 32762), (480, 32807), (497, 32855), (510, 32891), (514, 32900), (517, 32906), (609, 33131),

Gene: PhatCats2014_33 Start: 32383, Stop: 33543, Start Num: 83
Candidate Starts for PhatCats2014_33:
(Start: 83 @32383 has 436 MA's), (Start: 135 @32494 has 1 MA's), (161, 32539), (218, 32638), (247, 32698), (267, 32734), (283, 32758), (306, 32803), (311, 32809), (350, 32860), (390, 32899), (391, 32902), (399, 32914), (409, 32929), (424, 32953), (437, 32986), (467, 33067), (480, 33112), (497, 33160), (510, 33196), (514, 33205), (517, 33211), (609, 33436),

Gene: PhatLouie_33 Start: 32372, Stop: 33532, Start Num: 83
Candidate Starts for PhatLouie_33:
(Start: 83 @32372 has 436 MA's), (Start: 135 @32483 has 1 MA's), (161, 32528), (218, 32627), (247, 32687), (267, 32723), (283, 32747), (306, 32792), (311, 32798), (350, 32849), (390, 32888), (391, 32891), (399, 32903), (424, 32942), (437, 32975), (467, 33056), (497, 33149), (510, 33185), (514, 33194), (517, 33200), (609, 33425),

Gene: Phayonce_22 Start: 21448, Stop: 22485, Start Num: 146
Candidate Starts for Phayonce_22:
(Start: 146 @21448 has 97 MA's), (232, 21610), (258, 21661), (280, 21697), (300, 21724), (333, 21772), (376, 21829), (396, 21865), (467, 22018), (473, 22054), (500, 22126), (551, 22261), (576, 22315), (610, 22393),

Gene: Phegasus_22 Start: 21305, Stop: 22342, Start Num: 146
Candidate Starts for Phegasus_22:
(Start: 131 @21281 has 18 MA's), (Start: 143 @21302 has 31 MA's), (Start: 146 @21305 has 97 MA's), (162, 21329), (232, 21467), (254, 21509), (293, 21578), (333, 21638), (369, 21683), (392, 21728), (437, 21809), (461, 21866), (468, 21890), (500, 21995), (525, 22067), (540, 22112), (616, 22277),

Gene: Phelemich_32 Start: 32856, Stop: 34361, Start Num: 29
Candidate Starts for Phelemich_32:
(Start: 29 @32856 has 11 MA's), (34, 32895), (48, 32967), (52, 32994), (60, 33045), (63, 33060), (65, 33072), (70, 33102), (Start: 83 @33123 has 436 MA's), (Start: 89 @33132 has 7 MA's), (136, 33234), (139, 33237), (177, 33309), (201, 33360), (215, 33387), (227, 33414), (256, 33465), (273, 33501), (283, 33516), (304, 33555), (313, 33570), (350, 33645), (369, 33690), (371, 33696), (376, 33705), (421, 33777), (432, 33801), (442, 33828), (458, 33867), (469, 33903), (594, 34221), (596, 34227), (631, 34347),

Gene: PhenghisKhan_32 Start: 31978, Stop: 33138, Start Num: 83
Candidate Starts for PhenghisKhan_32:
(Start: 83 @31978 has 436 MA's), (Start: 135 @32089 has 1 MA's), (161, 32134), (218, 32233), (247, 32293), (267, 32329), (283, 32353), (306, 32398), (311, 32404), (350, 32455), (390, 32494), (391, 32497), (399, 32509), (424, 32548), (437, 32581), (467, 32662), (497, 32755), (510, 32791), (514, 32800), (517, 32806), (609, 33031),

Gene: Pherdinand_33 Start: 32374, Stop: 33534, Start Num: 83

Candidate Starts for Pherdinand_33:
(Start: 83 @32374 has 436 MA's), (Start: 135 @32485 has 1 MA's), (161, 32530), (218, 32629), (247, 32689), (267, 32725), (283, 32749), (306, 32794), (311, 32800), (350, 32851), (390, 32890), (391, 32893), (399, 32905), (409, 32920), (424, 32944), (437, 32977), (467, 33058), (480, 33103), (497, 33151), (510, 33187), (514, 33196), (517, 33202), (609, 33427),

Gene: Phergie_32 Start: 31969, Stop: 33129, Start Num: 83
Candidate Starts for Phergie_32:
(Start: 83 @31969 has 436 MA's), (Start: 135 @32080 has 1 MA's), (161, 32125), (218, 32224), (247, 32284), (267, 32320), (283, 32344), (306, 32389), (311, 32395), (350, 32446), (390, 32485), (391, 32488), (399, 32500), (424, 32539), (437, 32572), (467, 32653), (497, 32746), (510, 32782), (514, 32791), (517, 32797), (609, 33022),

Gene: Philly_32 Start: 32073, Stop: 33275, Start Num: 83
Candidate Starts for Philly_32:
(Start: 83 @32073 has 436 MA's), (177, 32250), (183, 32259), (188, 32268), (209, 32307), (214, 32316), (222, 32334), (230, 32352), (237, 32370), (240, 32376), (249, 32388), (259, 32406), (267, 32421), (287, 32454), (303, 32481), (332, 32526), (371, 32607), (386, 32634), (397, 32652), (409, 32670), (432, 32712), (441, 32736), (469, 32811), (473, 32841), (497, 32901), (500, 32913), (506, 32931), (545, 33033), (594, 33138), (596, 33144), (600, 33162), (626, 33249),

Gene: Philonius_22 Start: 20220, Stop: 21437, Start Num: 130
Candidate Starts for Philonius_22:
(38, 19893), (75, 20091), (Start: 130 @20220 has 6 MA's), (Start: 131 @20223 has 18 MA's), (268, 20484), (358, 20655), (439, 20805), (453, 20844), (488, 20946), (497, 20988), (619, 21360),

Gene: Phineas_22 Start: 21670, Stop: 22707, Start Num: 141
Candidate Starts for Phineas_22:
(Start: 141 @21670 has 12 MA's), (232, 21835), (254, 21877), (291, 21943), (293, 21946), (303, 21961), (369, 22048), (392, 22093), (437, 22174), (461, 22231), (468, 22255), (500, 22360), (525, 22432), (540, 22477),

Gene: Phipps_33 Start: 32345, Stop: 33505, Start Num: 83
Candidate Starts for Phipps_33:
(Start: 83 @32345 has 436 MA's), (Start: 135 @32456 has 1 MA's), (161, 32501), (218, 32600), (247, 32660), (267, 32696), (283, 32720), (306, 32765), (311, 32771), (350, 32822), (390, 32861), (391, 32864), (399, 32876), (424, 32915), (437, 32948), (467, 33029), (480, 33074), (497, 33122), (510, 33158), (514, 33167), (517, 33173), (609, 33398),

Gene: Phishy_30 Start: 26793, Stop: 27842, Start Num: 146
Candidate Starts for Phishy_30:
(Start: 146 @26793 has 97 MA's), (258, 27003), (303, 27081), (371, 27189), (450, 27339), (456, 27351), (461, 27366), (521, 27543), (553, 27618),

Gene: Phleuron_32 Start: 31975, Stop: 33135, Start Num: 83
Candidate Starts for Phleuron_32:
(Start: 83 @31975 has 436 MA's), (Start: 135 @32086 has 1 MA's), (161, 32131), (218, 32230), (247, 32290), (267, 32326), (283, 32350), (306, 32395), (311, 32401), (350, 32452), (390, 32491), (391, 32494), (399, 32506), (424, 32545), (437, 32578), (467, 32659), (480, 32704), (497, 32752), (510, 32788), (514, 32797), (517, 32803), (609, 33028),

Gene: Phloss_21 Start: 20203, Stop: 21360, Start Num: 83
Candidate Starts for Phloss_21:

(Start: 83 @20203 has 436 MA's), (124, 20284), (Start: 149 @20332 has 1 MA's), (181, 20392), (189, 20401), (199, 20416), (210, 20440), (222, 20464), (227, 20476), (259, 20536), (267, 20551), (272, 20560), (285, 20584), (293, 20599), (303, 20614), (379, 20698), (381, 20701), (393, 20722), (407, 20743), (414, 20752), (421, 20764), (426, 20773), (517, 21034), (537, 21103), (627, 21337),

Gene: Phlyer_33 Start: 32957, Stop: 34159, Start Num: 83
Candidate Starts for Phlyer_33:
(Start: 83 @32957 has 436 MA's), (99, 32990), (177, 33134), (183, 33143), (188, 33152), (209, 33191), (214, 33200), (222, 33218), (230, 33236), (237, 33254), (240, 33260), (249, 33272), (259, 33290), (267, 33305), (287, 33338), (303, 33365), (332, 33410), (371, 33491), (386, 33518), (397, 33536), (409, 33554), (432, 33596), (473, 33725), (506, 33815), (545, 33917), (575, 33974), (577, 33983), (594, 34022), (611, 34094), (627, 34136),

Gene: PhrankReynolds_32 Start: 31975, Stop: 33135, Start Num: 83
Candidate Starts for PhrankReynolds_32:
(Start: 83 @31975 has 436 MA's), (Start: 135 @32086 has 1 MA's), (161, 32131), (218, 32230), (247, 32290), (267, 32326), (283, 32350), (306, 32395), (311, 32401), (350, 32452), (390, 32491), (391, 32494), (399, 32506), (424, 32545), (437, 32578), (467, 32659), (497, 32752), (510, 32788), (514, 32797), (517, 32803), (609, 33028),

Gene: Phrann_21 Start: 20409, Stop: 21479, Start Num: 143
Candidate Starts for Phrann_21:
(Start: 143 @20409 has 31 MA's), (Start: 146 @20412 has 97 MA's), (232, 20574), (254, 20616), (293, 20685), (333, 20745), (369, 20790), (392, 20835), (435, 20904), (437, 20916), (461, 20973), (468, 20997), (524, 21168),

Gene: PhrodoBaggins_32 Start: 32362, Stop: 33522, Start Num: 83
Candidate Starts for PhrodoBaggins_32:
(Start: 83 @32362 has 436 MA's), (Start: 135 @32473 has 1 MA's), (161, 32518), (218, 32617), (247, 32677), (267, 32713), (283, 32737), (306, 32782), (311, 32788), (350, 32839), (390, 32878), (391, 32881), (399, 32893), (424, 32932), (437, 32965), (467, 33046), (480, 33091), (497, 33139), (510, 33175), (514, 33184), (517, 33190), (609, 33415),

Gene: Phunky_33 Start: 32375, Stop: 33535, Start Num: 83
Candidate Starts for Phunky_33:
(Start: 83 @32375 has 436 MA's), (Start: 135 @32486 has 1 MA's), (161, 32531), (218, 32630), (247, 32690), (267, 32726), (283, 32750), (306, 32795), (311, 32801), (350, 32852), (390, 32891), (391, 32894), (399, 32906), (409, 32921), (424, 32945), (437, 32978), (467, 33059), (480, 33104), (497, 33152), (510, 33188), (514, 33197), (517, 33203), (609, 33428),

Gene: Piglet_0032 Start: 32482, Stop: 33642, Start Num: 83
Candidate Starts for Piglet_0032:
(Start: 83 @32482 has 436 MA's), (Start: 135 @32593 has 1 MA's), (161, 32638), (218, 32737), (247, 32797), (267, 32833), (283, 32857), (306, 32902), (311, 32908), (350, 32959), (390, 32998), (391, 33001), (399, 33013), (409, 33028), (424, 33052), (437, 33085), (467, 33166), (480, 33211), (497, 33259), (510, 33295), (514, 33304), (517, 33310), (609, 33535),

Gene: Pimento_27 Start: 22790, Stop: 23857, Start Num: 146
Candidate Starts for Pimento_27:
(88, 22655), (Start: 146 @22790 has 97 MA's), (274, 23009), (333, 23111), (369, 23153), (374, 23165), (450, 23309), (461, 23336), (468, 23360), (505, 23483), (536, 23573), (548, 23591),

Gene: PinheadLarry_33 Start: 32088, Stop: 33248, Start Num: 83

Candidate Starts for PinheadLarry_33:
(Start: 83 @32088 has 436 MA's), (Start: 135 @32199 has 1 MA's), (161, 32244), (218, 32343), (247, 32403), (267, 32439), (283, 32463), (306, 32508), (311, 32514), (350, 32565), (390, 32604), (391, 32607), (399, 32619), (424, 32658), (437, 32691), (467, 32772), (480, 32817), (497, 32865), (510, 32901), (514, 32910), (517, 32916), (609, 33141),

Gene: Pinkman_32 Start: 31931, Stop: 33091, Start Num: 83
Candidate Starts for Pinkman_32:
(Start: 83 @31931 has 436 MA's), (Start: 135 @32042 has 1 MA's), (161, 32087), (218, 32186), (247, 32246), (267, 32282), (283, 32306), (306, 32351), (311, 32357), (350, 32408), (390, 32447), (391, 32450), (399, 32462), (409, 32477), (424, 32501), (437, 32534), (467, 32615), (480, 32660), (497, 32708), (510, 32744), (514, 32753), (517, 32759), (609, 32984),

Gene: Pinnie_24 Start: 23643, Stop: 25013, Start Num: 103
Candidate Starts for Pinnie_24:
(Start: 103 @23643 has 6 MA's), (177, 23784), (183, 23793), (267, 23949), (306, 24021), (446, 24228), (531, 24492), (543, 24510), (548, 24519), (584, 24585), (641, 24984),

Gene: Pippy_19 Start: 20253, Stop: 21410, Start Num: 82
Candidate Starts for Pippy_19:
(Start: 80 @20250 has 12 MA's), (Start: 82 @20253 has 4 MA's), (124, 20334), (Start: 149 @20382 has 1 MA's), (181, 20442), (189, 20451), (199, 20466), (210, 20490), (222, 20514), (227, 20526), (259, 20586), (267, 20601), (272, 20610), (285, 20634), (303, 20664), (379, 20748), (381, 20751), (393, 20772), (407, 20793), (414, 20802), (421, 20814), (426, 20823), (517, 21084), (537, 21153), (627, 21387),

Gene: Pipsqueak_33 Start: 32373, Stop: 33533, Start Num: 83
Candidate Starts for Pipsqueak_33:
(Start: 83 @32373 has 436 MA's), (Start: 135 @32484 has 1 MA's), (161, 32529), (218, 32628), (247, 32688), (267, 32724), (283, 32748), (306, 32793), (311, 32799), (350, 32850), (390, 32889), (391, 32892), (399, 32904), (409, 32919), (424, 32943), (437, 32976), (467, 33057), (480, 33102), (497, 33150), (510, 33186), (514, 33195), (517, 33201), (609, 33426),

Gene: Pipsqueaks_22 Start: 20220, Stop: 21437, Start Num: 130
Candidate Starts for Pipsqueaks_22:
(38, 19893), (75, 20091), (Start: 130 @20220 has 6 MA's), (Start: 131 @20223 has 18 MA's), (268, 20484), (358, 20655), (439, 20805), (453, 20844), (488, 20946), (497, 20988), (619, 21360),

Gene: Placalicious_32 Start: 32066, Stop: 33226, Start Num: 83
Candidate Starts for Placalicious_32:
(Start: 83 @32066 has 436 MA's), (Start: 135 @32177 has 1 MA's), (161, 32222), (218, 32321), (247, 32381), (267, 32417), (283, 32441), (306, 32486), (311, 32492), (350, 32543), (390, 32582), (391, 32585), (399, 32597), (409, 32612), (424, 32636), (437, 32669), (467, 32750), (480, 32795), (497, 32843), (510, 32879), (514, 32888), (517, 32894), (609, 33119),

Gene: Plata_32 Start: 32087, Stop: 33247, Start Num: 83
Candidate Starts for Plata_32:
(Start: 83 @32087 has 436 MA's), (Start: 135 @32198 has 1 MA's), (161, 32243), (218, 32342), (247, 32402), (267, 32438), (283, 32462), (306, 32507), (311, 32513), (350, 32564), (390, 32603), (391, 32606), (399, 32618), (409, 32633), (424, 32657), (437, 32690), (467, 32771), (480, 32816), (497, 32864), (510, 32900), (514, 32909), (517, 32915), (609, 33140),

Gene: Pleakley_53 Start: 35398, Stop: 36480, Start Num: 129

Candidate Starts for Pleakley_53:
(Start: 129 @35398 has 10 MA's), (190, 35515), (309, 35743), (386, 35827), (390, 35833), (417, 35872), (426, 35887), (442, 35929), (498, 36094), (568, 36274), (619, 36412),

Gene: Plmatters_33 Start: 32372, Stop: 33532, Start Num: 83
Candidate Starts for Plmatters_33:
(Start: 83 @32372 has 436 MA's), (Start: 135 @32483 has 1 MA's), (161, 32528), (218, 32627), (247, 32687), (267, 32723), (283, 32747), (306, 32792), (311, 32798), (350, 32849), (390, 32888), (391, 32891), (399, 32903), (424, 32942), (437, 32975), (467, 33056), (480, 33101), (497, 33149), (510, 33185), (514, 33194), (517, 33200), (609, 33425),

Gene: Podrick_33 Start: 32363, Stop: 33523, Start Num: 83
Candidate Starts for Podrick_33:
(Start: 83 @32363 has 436 MA's), (Start: 135 @32474 has 1 MA's), (161, 32519), (218, 32618), (247, 32678), (267, 32714), (283, 32738), (306, 32783), (311, 32789), (350, 32840), (390, 32879), (391, 32882), (399, 32894), (424, 32933), (437, 32966), (467, 33047), (480, 33092), (497, 33140), (510, 33176), (514, 33185), (517, 33191), (609, 33416),

Gene: Polkaroo_22 Start: 21315, Stop: 22352, Start Num: 146
Candidate Starts for Polkaroo_22:
(Start: 131 @21291 has 18 MA's), (Start: 143 @21312 has 31 MA's), (Start: 146 @21315 has 97 MA's), (162, 21339), (232, 21477), (254, 21519), (293, 21588), (333, 21648), (369, 21693), (392, 21738), (437, 21819), (461, 21876), (468, 21900), (500, 22005), (525, 22077), (540, 22122), (616, 22287),

Gene: Poochiewood_21 Start: 21688, Stop: 22860, Start Num: 91
Candidate Starts for Poochiewood_21:
(Start: 89 @21685 has 7 MA's), (Start: 91 @21688 has 34 MA's), (Start: 149 @21814 has 1 MA's), (173, 21856), (177, 21868), (Start: 180 @21871 has 3 MA's), (201, 21904), (206, 21916), (230, 21964), (237, 21982), (259, 22018), (267, 22033), (298, 22084), (315, 22114), (334, 22156), (352, 22180), (401, 22216), (405, 22222), (423, 22249), (432, 22267), (469, 22360), (470, 22363), (494, 22447), (547, 22585), (557, 22603), (593, 22687),

Gene: Pops_33 Start: 32387, Stop: 33547, Start Num: 83
Candidate Starts for Pops_33:
(Start: 83 @32387 has 436 MA's), (Start: 135 @32498 has 1 MA's), (161, 32543), (218, 32642), (247, 32702), (267, 32738), (283, 32762), (306, 32807), (311, 32813), (350, 32864), (390, 32903), (391, 32906), (399, 32918), (409, 32933), (424, 32957), (437, 32990), (467, 33071), (480, 33116), (497, 33164), (510, 33200), (514, 33209), (517, 33215), (609, 33440),

Gene: Poster_29 Start: 31578, Stop: 32735, Start Num: 83
Candidate Starts for Poster_29:
(Start: 83 @31578 has 436 MA's), (Start: 128 @31671 has 1 MA's), (Start: 135 @31686 has 1 MA's), (Start: 143 @31701 has 31 MA's), (Start: 152 @31713 has 1 MA's), (161, 31731), (214, 31821), (236, 31872), (240, 31881), (245, 31887), (253, 31899), (267, 31926), (275, 31941), (280, 31947), (283, 31953), (303, 31986), (306, 31995), (324, 32028), (350, 32061), (429, 32151), (432, 32157), (468, 32256), (469, 32259), (517, 32403), (578, 32556),

Gene: Potter_32 Start: 32087, Stop: 33247, Start Num: 83
Candidate Starts for Potter_32:
(Start: 83 @32087 has 436 MA's), (Start: 135 @32198 has 1 MA's), (161, 32243), (218, 32342), (247, 32402), (267, 32438), (283, 32462), (306, 32507), (311, 32513), (350, 32564), (390, 32603), (391, 32606), (399, 32618), (424, 32657), (437, 32690), (467, 32771), (497, 32864), (510, 32900), (514,

32909), (517, 32915), (609, 33140),

Gene: Prickles_33 Start: 32363, Stop: 33523, Start Num: 83
Candidate Starts for Prickles_33:
(Start: 83 @32363 has 436 MA's), (Start: 135 @32474 has 1 MA's), (161, 32519), (218, 32618), (247, 32678), (267, 32714), (283, 32738), (306, 32783), (311, 32789), (350, 32840), (390, 32879), (391, 32882), (399, 32894), (409, 32909), (424, 32933), (437, 32966), (467, 33047), (480, 33092), (497, 33140), (510, 33176), (514, 33185), (517, 33191), (609, 33416),

Gene: Prince_30 Start: 32761, Stop: 33918, Start Num: 83
Candidate Starts for Prince_30:
(Start: 83 @32761 has 436 MA's), (Start: 128 @32854 has 1 MA's), (Start: 135 @32869 has 1 MA's), (Start: 143 @32884 has 31 MA's), (Start: 152 @32896 has 1 MA's), (161, 32914), (188, 32956), (214, 33004), (236, 33055), (240, 33064), (253, 33082), (267, 33109), (275, 33124), (280, 33130), (283, 33136), (285, 33142), (303, 33169), (306, 33178), (324, 33211), (350, 33244), (414, 33304), (429, 33334), (432, 33340), (449, 33385), (468, 33439), (469, 33442), (517, 33586), (578, 33739),

Gene: PrinceCharming_33 Start: 32795, Stop: 33964, Start Num: 79
Candidate Starts for PrinceCharming_33:
(46, 32654), (Start: 79 @32795 has 10 MA's), (Start: 83 @32801 has 436 MA's), (102, 32840), (114, 32870), (Start: 135 @32915 has 1 MA's), (161, 32960), (218, 33059), (247, 33119), (267, 33155), (283, 33179), (306, 33224), (311, 33230), (350, 33281), (390, 33320), (391, 33323), (399, 33335), (409, 33350), (424, 33374), (437, 33407), (467, 33488), (497, 33581), (510, 33617), (514, 33626), (517, 33632), (609, 33857),

Gene: ProfessorX_33 Start: 32358, Stop: 33518, Start Num: 83
Candidate Starts for ProfessorX_33:
(Start: 83 @32358 has 436 MA's), (Start: 135 @32469 has 1 MA's), (161, 32514), (218, 32613), (247, 32673), (267, 32709), (283, 32733), (306, 32778), (311, 32784), (350, 32835), (390, 32874), (391, 32877), (399, 32889), (424, 32928), (437, 32961), (467, 33042), (480, 33087), (497, 33135), (510, 33171), (514, 33180), (517, 33186), (609, 33411),

Gene: Puhltonio_33 Start: 32379, Stop: 33539, Start Num: 83
Candidate Starts for Puhltonio_33:
(Start: 83 @32379 has 436 MA's), (Start: 135 @32490 has 1 MA's), (161, 32535), (218, 32634), (247, 32694), (267, 32730), (283, 32754), (306, 32799), (311, 32805), (350, 32856), (390, 32895), (391, 32898), (399, 32910), (424, 32949), (437, 32982), (467, 33063), (480, 33108), (497, 33156), (510, 33192), (514, 33201), (517, 33207), (609, 33432),

Gene: Purgamenstris_21 Start: 19877, Stop: 21031, Start Num: 86
Candidate Starts for Purgamenstris_21:
(31, 19640), (39, 19682), (44, 19712), (50, 19742), (59, 19802), (69, 19856), (Start: 86 @19877 has 22 MA's), (112, 19940), (124, 19958), (Start: 149 @20006 has 1 MA's), (181, 20066), (189, 20075), (199, 20090), (210, 20114), (222, 20138), (227, 20150), (267, 20225), (272, 20234), (285, 20258), (303, 20288), (331, 20333), (332, 20336), (336, 20342), (379, 20372), (381, 20375), (393, 20396), (467, 20555), (493, 20645), (497, 20654), (506, 20684), (517, 20705), (627, 21008),

Gene: Purky_22 Start: 21124, Stop: 22170, Start Num: 146
Candidate Starts for Purky_22:
(Start: 146 @21124 has 97 MA's), (258, 21337), (333, 21448), (369, 21490), (370, 21493), (411, 21562), (467, 21694), (473, 21730), (516, 21838), (576, 21991), (579, 22000), (583, 22012),

Gene: Pywacket_32 Start: 30015, Stop: 31064, Start Num: 143

Candidate Starts for Pywacket_32:
(Start: 143 @30015 has 31 MA's), (191, 30090), (210, 30129), (220, 30150), (258, 30225), (266, 30240), (303, 30303), (333, 30363), (404, 30465), (437, 30528), (498, 30699), (587, 30927),

Gene: Qhanda_30 Start: 24605, Stop: 25609, Start Num: 178
Candidate Starts for Qhanda_30:
(Start: 178 @24605 has 14 MA's), (275, 24773), (304, 24818), (306, 24824), (341, 24878), (347, 24887), (385, 24968), (399, 24989), (403, 24995), (405, 24998), (467, 25130), (468, 25133), (506, 25256),

Gene: Quby_21 Start: 21546, Stop: 22553, Start Num: 151
Candidate Starts for Quby_21:
(Start: 105 @21468 has 6 MA's), (151, 21546), (247, 21720), (271, 21759), (295, 21798), (315, 21831), (398, 21909), (421, 21942), (485, 22104), (572, 22338), (584, 22371), (594, 22395), (609, 22440),

Gene: QueenBeane_33 Start: 32369, Stop: 33529, Start Num: 83
Candidate Starts for QueenBeane_33:
(Start: 83 @32369 has 436 MA's), (Start: 135 @32480 has 1 MA's), (161, 32525), (218, 32624), (247, 32684), (267, 32720), (283, 32744), (306, 32789), (311, 32795), (350, 32846), (390, 32885), (391, 32888), (399, 32900), (409, 32915), (424, 32939), (437, 32972), (467, 33053), (480, 33098), (497, 33146), (510, 33182), (514, 33191), (517, 33197), (609, 33422),

Gene: QueenHazel_22 Start: 21423, Stop: 22634, Start Num: 86
Candidate Starts for QueenHazel_22:
(31, 21186), (39, 21228), (50, 21288), (59, 21348), (69, 21402), (Start: 86 @21423 has 22 MA's), (124, 21504), (Start: 149 @21552 has 1 MA's), (181, 21612), (189, 21621), (199, 21636), (210, 21660), (222, 21684), (227, 21696), (245, 21732), (267, 21771), (272, 21780), (285, 21804), (303, 21834), (354, 21918), (356, 21921), (361, 21942), (379, 21978), (381, 21981), (393, 22002), (421, 22044), (467, 22161), (474, 22197), (477, 22203), (517, 22308), (545, 22389),

Gene: QueenPie_29 Start: 32702, Stop: 33859, Start Num: 83
Candidate Starts for QueenPie_29:
(Start: 83 @32702 has 436 MA's), (Start: 128 @32795 has 1 MA's), (Start: 135 @32810 has 1 MA's), (Start: 143 @32825 has 31 MA's), (Start: 152 @32837 has 1 MA's), (161, 32855), (214, 32945), (236, 32996), (240, 33005), (253, 33023), (267, 33050), (275, 33065), (280, 33071), (283, 33077), (285, 33083), (303, 33110), (306, 33119), (324, 33152), (350, 33185), (383, 33203), (414, 33245), (429, 33275), (432, 33281), (440, 33302), (468, 33380), (469, 33383), (482, 33428), (517, 33527), (578, 33680),

Gene: Quesadilla_32 Start: 33335, Stop: 34516, Start Num: 80
Candidate Starts for Quesadilla_32:
(66, 33302), (Start: 80 @33335 has 12 MA's), (Start: 135 @33452 has 1 MA's), (Start: 143 @33467 has 31 MA's), (Start: 149 @33473 has 1 MA's), (181, 33533), (209, 33581), (220, 33605), (240, 33650), (264, 33689), (270, 33701), (275, 33710), (287, 33728), (311, 33770), (320, 33785), (350, 33824), (354, 33830), (395, 33875), (399, 33881), (432, 33926), (470, 34028),

Gene: Quisquiliae_33 Start: 32397, Stop: 33557, Start Num: 83
Candidate Starts for Quisquiliae_33:
(Start: 83 @32397 has 436 MA's), (Start: 135 @32508 has 1 MA's), (161, 32553), (218, 32652), (247, 32712), (267, 32748), (283, 32772), (306, 32817), (311, 32823), (350, 32874), (390, 32913), (391, 32916), (399, 32928), (424, 32967), (437, 33000), (467, 33081), (480, 33126), (497, 33174), (510, 33210), (514, 33219), (517, 33225), (609, 33450),

Gene: Qyrzula_31 Start: 32776, Stop: 33981, Start Num: 76
Candidate Starts for Qyrzula_31:
(45, 32632), (Start: 74 @32773 has 2 MA's), (Start: 76 @32776 has 7 MA's), (109, 32845), (Start: 152 @32914 has 1 MA's), (170, 32944), (177, 32956), (181, 32962), (183, 32965), (188, 32974), (209, 33013), (214, 33022), (219, 33034), (247, 33091), (259, 33112), (267, 33127), (293, 33172), (303, 33187), (332, 33232), (365, 33301), (379, 33328), (393, 33352), (423, 33397), (432, 33418), (441, 33442), (469, 33517), (473, 33547), (497, 33607), (500, 33619), (506, 33637), (545, 33739), (594, 33844), (596, 33850), (600, 33868), (614, 33919), (626, 33955),

Gene: RagingRooster_33 Start: 32223, Stop: 33425, Start Num: 83
Candidate Starts for RagingRooster_33:
(Start: 83 @32223 has 436 MA's), (99, 32256), (177, 32400), (183, 32409), (188, 32418), (209, 32457), (214, 32466), (222, 32484), (230, 32502), (237, 32520), (240, 32526), (249, 32538), (259, 32556), (267, 32571), (287, 32604), (303, 32631), (332, 32676), (371, 32757), (386, 32784), (397, 32802), (409, 32820), (432, 32862), (441, 32886), (469, 32961), (473, 32991), (497, 33051), (500, 33063), (506, 33081), (545, 33183), (594, 33288), (596, 33294), (600, 33312), (626, 33399),

Gene: Ranch_33 Start: 28024, Stop: 29073, Start Num: 143
Candidate Starts for Ranch_33:
(Start: 143 @28024 has 31 MA's), (210, 28138), (231, 28180), (258, 28234), (266, 28249), (303, 28312), (437, 28537), (498, 28708), (587, 28936), (609, 28981),

Gene: Rando14_28 Start: 22698, Stop: 23777, Start Num: 146
Candidate Starts for Rando14_28:
(Start: 146 @22698 has 97 MA's), (158, 22716), (211, 22818), (236, 22872), (237, 22875), (238, 22878), (264, 22926), (288, 22962), (289, 22965), (291, 22968), (309, 23001), (385, 23103), (392, 23115), (400, 23127), (404, 23133), (413, 23145), (425, 23166), (456, 23244), (469, 23286), (480, 23328), (494, 23373), (540, 23502),

Gene: RavenCo17_26 Start: 23835, Stop: 24911, Start Num: 146
Candidate Starts for RavenCo17_26:
(88, 23700), (Start: 146 @23835 has 97 MA's), (222, 23973), (258, 24045), (275, 24075), (369, 24225), (374, 24237), (400, 24279), (408, 24291), (437, 24348), (461, 24399), (483, 24471), (514, 24564), (580, 24726), (624, 24867),

Gene: RawrgerThat_30 Start: 32607, Stop: 33764, Start Num: 83
Candidate Starts for RawrgerThat_30:
(Start: 83 @32607 has 436 MA's), (Start: 128 @32700 has 1 MA's), (Start: 135 @32715 has 1 MA's), (Start: 143 @32730 has 31 MA's), (Start: 152 @32742 has 1 MA's), (161, 32760), (188, 32802), (236, 32901), (240, 32910), (253, 32928), (267, 32955), (275, 32970), (280, 32976), (283, 32982), (285, 32988), (303, 33015), (306, 33024), (324, 33057), (350, 33090), (429, 33180), (432, 33186), (468, 33285), (469, 33288), (517, 33432), (578, 33585),

Gene: Raymond7_21 Start: 20415, Stop: 21500, Start Num: 146
Candidate Starts for Raymond7_21:
(Start: 146 @20415 has 97 MA's), (232, 20577), (293, 20688), (300, 20697), (303, 20703), (333, 20748), (369, 20793), (437, 20919), (441, 20928), (461, 20976),

Gene: RazorC_31 Start: 27503, Stop: 28600, Start Num: 148
Candidate Starts for RazorC_31:
(Start: 148 @27503 has 14 MA's), (210, 27617), (257, 27710), (277, 27743), (280, 27746), (281, 27749), (293, 27770), (302, 27782), (333, 27830), (377, 27893), (411, 27947), (454, 28043), (465, 28085), (538, 28319), (559, 28358), (595, 28445), (633, 28592),

Gene: Rebel_21 Start: 19868, Stop: 20905, Start Num: 146
Candidate Starts for Rebel_21:
(58, 19631), (65, 19673), (70, 19703), (88, 19733), (111, 19793), (134, 19847), (Start: 146 @19868 has 97 MA's), (232, 20030), (254, 20072), (293, 20141), (333, 20201), (369, 20246), (392, 20291), (435, 20360), (461, 20429), (468, 20453), (500, 20558), (525, 20630), (540, 20675),

Gene: Reccee_32 Start: 32769, Stop: 34274, Start Num: 29
Candidate Starts for Reccee_32:
(Start: 29 @32769 has 11 MA's), (30, 32787), (34, 32808), (42, 32862), (57, 32940), (60, 32958), (63, 32973), (65, 32985), (177, 33222), (201, 33273), (215, 33300), (227, 33327), (273, 33414), (283, 33429), (304, 33468), (350, 33558), (369, 33603), (371, 33609), (376, 33618), (442, 33741), (458, 33780), (469, 33816), (596, 34140), (631, 34260),

Gene: Red305_22 Start: 22247, Stop: 23464, Start Num: 91
Candidate Starts for Red305_22:
(Start: 91 @22247 has 34 MA's), (133, 22349), (140, 22361), (Start: 152 @22379 has 1 MA's), (157, 22388), (177, 22427), (201, 22463), (209, 22478), (211, 22484), (225, 22514), (227, 22517), (244, 22553), (250, 22565), (283, 22616), (284, 22619), (318, 22679), (329, 22706), (337, 22721), (342, 22727), (350, 22739), (379, 22799), (393, 22823), (432, 22883), (468, 22979), (473, 23012), (500, 23084), (510, 23108), (606, 23336), (609, 23348),

Gene: RedMaple_32 Start: 32376, Stop: 33536, Start Num: 83
Candidate Starts for RedMaple_32:
(Start: 83 @32376 has 436 MA's), (Start: 135 @32487 has 1 MA's), (161, 32532), (218, 32631), (247, 32691), (267, 32727), (283, 32751), (306, 32796), (311, 32802), (350, 32853), (390, 32892), (391, 32895), (399, 32907), (424, 32946), (437, 32979), (467, 33060), (480, 33105), (497, 33153), (510, 33189), (514, 33198), (517, 33204), (609, 33429),

Gene: RedRaider_52 Start: 38220, Stop: 39278, Start Num: 150
Candidate Starts for RedRaider_52:
(Start: 150 @38220 has 30 MA's), (239, 38394), (269, 38448), (375, 38610), (412, 38664), (500, 38907), (616, 39207),

Gene: RedRaider89_34 Start: 32596, Stop: 33756, Start Num: 83
Candidate Starts for RedRaider89_34:
(Start: 83 @32596 has 436 MA's), (Start: 135 @32707 has 1 MA's), (161, 32752), (218, 32851), (247, 32911), (267, 32947), (283, 32971), (306, 33016), (311, 33022), (350, 33073), (390, 33112), (391, 33115), (399, 33127), (409, 33142), (424, 33166), (437, 33199), (467, 33280), (480, 33325), (497, 33373), (510, 33409), (514, 33418), (517, 33424), (609, 33649),

Gene: Redi_21 Start: 19877, Stop: 21031, Start Num: 86
Candidate Starts for Redi_21:
(31, 19640), (39, 19682), (44, 19712), (50, 19742), (59, 19802), (69, 19856), (Start: 86 @19877 has 22 MA's), (112, 19940), (124, 19958), (Start: 149 @20006 has 1 MA's), (181, 20066), (189, 20075), (199, 20090), (210, 20114), (222, 20138), (227, 20150), (267, 20225), (272, 20234), (285, 20258), (303, 20288), (331, 20333), (332, 20336), (336, 20342), (379, 20372), (381, 20375), (393, 20396), (467, 20555), (493, 20645), (497, 20654), (506, 20684), (517, 20705), (627, 21008),

Gene: Reindeer_30 Start: 26952, Stop: 28001, Start Num: 146
Candidate Starts for Reindeer_30:
(Start: 146 @26952 has 97 MA's), (168, 26988), (258, 27165), (300, 27228), (302, 27231), (321, 27270), (339, 27285), (377, 27336), (406, 27384), (441, 27453), (461, 27501), (467, 27522), (469,

27528), (473, 27558), (500, 27630), (551, 27765), (576, 27819), (598, 27870), (600, 27876), (610, 27909),

Gene: Rem711_30 Start: 25189, Stop: 26352, Start Num: 82
Candidate Starts for Rem711_30:
(Start: 82 @25189 has 4 MA's), (223, 25450), (260, 25510), (286, 25555), (297, 25573), (317, 25609), (388, 25717), (410, 25732), (437, 25789), (494, 25951), (552, 26101),

Gene: Renkei_29 Start: 31609, Stop: 32769, Start Num: 83
Candidate Starts for Renkei_29:
(Start: 83 @31609 has 436 MA's), (Start: 128 @31702 has 1 MA's), (Start: 135 @31717 has 1 MA's), (Start: 143 @31732 has 31 MA's), (Start: 152 @31744 has 1 MA's), (161, 31762), (Start: 180 @31795 has 3 MA's), (204, 31837), (236, 31903), (240, 31912), (253, 31930), (267, 31957), (280, 31978), (283, 31984), (284, 31987), (294, 32005), (306, 32029), (324, 32062), (379, 32107), (393, 32125), (414, 32155), (429, 32185), (432, 32191), (458, 32257), (468, 32290), (517, 32437), (578, 32590),

Gene: Reprobate_32 Start: 32861, Stop: 34366, Start Num: 29
Candidate Starts for Reprobate_32:
(Start: 29 @32861 has 11 MA's), (34, 32900), (48, 32972), (52, 32999), (60, 33050), (63, 33065), (65, 33077), (70, 33107), (Start: 83 @33128 has 436 MA's), (Start: 89 @33137 has 7 MA's), (136, 33239), (139, 33242), (177, 33314), (201, 33365), (215, 33392), (227, 33419), (256, 33470), (273, 33506), (283, 33521), (304, 33560), (313, 33575), (350, 33650), (369, 33695), (371, 33701), (376, 33710), (421, 33782), (432, 33806), (442, 33833), (458, 33872), (469, 33908), (594, 34226), (596, 34232), (631, 34352),

Gene: Rey_35 Start: 28073, Stop: 29155, Start Num: 106
Candidate Starts for Rey_35:
(104, 28067), (Start: 106 @28073 has 6 MA's), (145, 28148), (176, 28193), (182, 28205), (196, 28223), (201, 28232), (229, 28283), (235, 28298), (249, 28322), (261, 28343), (299, 28403), (445, 28622), (604, 29024),

Gene: Rhinoforte_33 Start: 32804, Stop: 33967, Start Num: 83
Candidate Starts for Rhinoforte_33:
(46, 32657), (Start: 79 @32798 has 10 MA's), (Start: 83 @32804 has 436 MA's), (102, 32843), (114, 32873), (Start: 135 @32918 has 1 MA's), (161, 32963), (218, 33062), (247, 33122), (267, 33158), (283, 33182), (306, 33227), (311, 33233), (350, 33284), (390, 33323), (391, 33326), (399, 33338), (409, 33353), (424, 33377), (437, 33410), (467, 33491), (480, 33536), (497, 33584), (510, 33620), (514, 33629), (517, 33635), (537, 33695), (609, 33860),

Gene: Rich_31 Start: 32367, Stop: 33872, Start Num: 29
Candidate Starts for Rich_31:
(Start: 29 @32367 has 11 MA's), (30, 32385), (34, 32406), (42, 32460), (48, 32478), (56, 32529), (60, 32556), (63, 32571), (201, 32871), (215, 32898), (227, 32925), (262, 32991), (273, 33012), (283, 33027), (304, 33066), (350, 33156), (360, 33183), (364, 33192), (376, 33216), (432, 33312), (442, 33339), (458, 33378), (469, 33414), (506, 33537), (552, 33642), (596, 33738), (600, 33756), (631, 33858),

Gene: Ricotta_32 Start: 32096, Stop: 33256, Start Num: 83
Candidate Starts for Ricotta_32:
(Start: 83 @32096 has 436 MA's), (Start: 135 @32207 has 1 MA's), (161, 32252), (218, 32351), (247, 32411), (267, 32447), (283, 32471), (306, 32516), (311, 32522), (350, 32573), (390, 32612), (391, 32615), (399, 32627), (409, 32642), (424, 32666), (437, 32699), (467, 32780), (480, 32825), (497, 32873), (510, 32909), (514, 32918), (517, 32924), (609, 33149),

Gene: Riduram_30 Start: 27081, Stop: 28178, Start Num: 148
Candidate Starts for Riduram_30:
(Start: 148 @27081 has 14 MA's), (210, 27195), (257, 27288), (277, 27321), (280, 27324), (281, 27327), (293, 27348), (302, 27360), (333, 27408), (377, 27471), (411, 27525), (454, 27621), (465, 27663), (538, 27897), (559, 27936), (595, 28023), (633, 28170),

Gene: Riggan_33 Start: 32356, Stop: 33516, Start Num: 83
Candidate Starts for Riggan_33:
(Start: 83 @32356 has 436 MA's), (Start: 135 @32467 has 1 MA's), (161, 32512), (218, 32611), (247, 32671), (267, 32707), (283, 32731), (306, 32776), (311, 32782), (350, 32833), (390, 32872), (391, 32875), (399, 32887), (424, 32926), (437, 32959), (467, 33040), (480, 33085), (497, 33133), (510, 33169), (514, 33178), (517, 33184), (609, 33409),

Gene: Rimu_33 Start: 32105, Stop: 33265, Start Num: 83
Candidate Starts for Rimu_33:
(Start: 83 @32105 has 436 MA's), (Start: 135 @32216 has 1 MA's), (161, 32261), (218, 32360), (247, 32420), (267, 32456), (283, 32480), (306, 32525), (311, 32531), (350, 32582), (390, 32621), (391, 32624), (399, 32636), (409, 32651), (424, 32675), (437, 32708), (467, 32789), (480, 32834), (497, 32882), (510, 32918), (514, 32927), (517, 32933), (609, 33158),

Gene: Rinkes_34 Start: 33816, Stop: 35012, Start Num: 83
Candidate Starts for Rinkes_34:
(62, 33759), (68, 33795), (Start: 83 @33816 has 436 MA's), (Start: 103 @33861 has 6 MA's), (123, 33906), (Start: 135 @33939 has 1 MA's), (151, 33963), (161, 33984), (171, 33999), (174, 34005), (199, 34044), (201, 34050), (209, 34065), (214, 34074), (230, 34110), (236, 34125), (240, 34134), (258, 34161), (259, 34164), (272, 34188), (275, 34194), (306, 34251), (308, 34254), (345, 34302), (348, 34305), (372, 34317), (387, 34344), (393, 34353), (395, 34356), (421, 34380), (460, 34431), (471, 34470), (474, 34491), (501, 34563), (506, 34569), (555, 34677), (564, 34698), (575, 34710), (613, 34812), (619, 34821), (637, 34914),

Gene: Rita130_32 Start: 32589, Stop: 34094, Start Num: 29
Candidate Starts for Rita130_32:
(Start: 29 @32589 has 11 MA's), (30, 32607), (34, 32628), (42, 32682), (57, 32760), (60, 32778), (63, 32793), (65, 32805), (177, 33042), (201, 33093), (215, 33120), (227, 33147), (273, 33234), (283, 33249), (304, 33288), (350, 33378), (376, 33438), (442, 33561), (458, 33600), (469, 33636), (596, 33960), (631, 34080),

Gene: Rita1961_33 Start: 32206, Stop: 33408, Start Num: 83
Candidate Starts for Rita1961_33:
(Start: 83 @32206 has 436 MA's), (99, 32239), (177, 32383), (183, 32392), (188, 32401), (209, 32440), (214, 32449), (222, 32467), (247, 32518), (253, 32527), (259, 32539), (262, 32545), (267, 32554), (293, 32599), (303, 32614), (332, 32659), (365, 32728), (372, 32743), (379, 32755), (393, 32779), (424, 32827), (427, 32833), (429, 32839), (432, 32845), (441, 32869), (469, 32944), (473, 32974), (497, 33034), (500, 33046), (506, 33064), (543, 33163), (545, 33166), (594, 33271), (596, 33277), (600, 33295), (626, 33382),

Gene: Riverton_33 Start: 32377, Stop: 33537, Start Num: 83
Candidate Starts for Riverton_33:
(Start: 83 @32377 has 436 MA's), (Start: 135 @32488 has 1 MA's), (161, 32533), (218, 32632), (247, 32692), (267, 32728), (283, 32752), (306, 32797), (311, 32803), (350, 32854), (390, 32893), (391, 32896), (399, 32908), (409, 32923), (424, 32947), (437, 32980), (467, 33061), (480, 33106), (497, 33154), (510, 33190), (514, 33199), (517, 33205), (609, 33430),

Gene: Robyn_32 Start: 31940, Stop: 33100, Start Num: 83
Candidate Starts for Robyn_32:
(Start: 83 @31940 has 436 MA's), (Start: 135 @32051 has 1 MA's), (161, 32096), (218, 32195), (247, 32255), (267, 32291), (283, 32315), (306, 32360), (311, 32366), (350, 32417), (390, 32456), (391, 32459), (399, 32471), (424, 32510), (437, 32543), (467, 32624), (480, 32669), (497, 32717), (510, 32753), (514, 32762), (517, 32768), (609, 32993),

Gene: Roliet_33 Start: 32365, Stop: 33525, Start Num: 83
Candidate Starts for Roliet_33:
(Start: 83 @32365 has 436 MA's), (Start: 135 @32476 has 1 MA's), (161, 32521), (218, 32620), (247, 32680), (267, 32716), (283, 32740), (306, 32785), (311, 32791), (350, 32842), (390, 32881), (391, 32884), (399, 32896), (409, 32911), (424, 32935), (437, 32968), (467, 33049), (480, 33094), (497, 33142), (510, 33178), (514, 33187), (517, 33193), (609, 33418),

Gene: RomaT_33 Start: 32996, Stop: 34198, Start Num: 83
Candidate Starts for RomaT_33:
(Start: 83 @32996 has 436 MA's), (99, 33029), (177, 33173), (183, 33182), (188, 33191), (209, 33230), (214, 33239), (222, 33257), (230, 33275), (237, 33293), (240, 33299), (249, 33311), (259, 33329), (267, 33344), (287, 33377), (303, 33404), (332, 33449), (371, 33530), (386, 33557), (397, 33575), (409, 33593), (432, 33635), (441, 33659), (469, 33734), (473, 33764), (497, 33824), (500, 33836), (506, 33854), (545, 33956), (594, 34061), (596, 34067), (600, 34085), (626, 34172),

Gene: Roscoe_34 Start: 32603, Stop: 33763, Start Num: 83
Candidate Starts for Roscoe_34:
(Start: 83 @32603 has 436 MA's), (Start: 135 @32714 has 1 MA's), (161, 32759), (218, 32858), (247, 32918), (267, 32954), (283, 32978), (306, 33023), (311, 33029), (350, 33080), (390, 33119), (391, 33122), (399, 33134), (424, 33173), (437, 33206), (467, 33287), (480, 33332), (497, 33380), (510, 33416), (514, 33425), (517, 33431), (609, 33656),

Gene: Rose5_21 Start: 21688, Stop: 22860, Start Num: 91
Candidate Starts for Rose5_21:
(Start: 89 @21685 has 7 MA's), (Start: 91 @21688 has 34 MA's), (Start: 149 @21814 has 1 MA's), (173, 21856), (177, 21868), (Start: 180 @21871 has 3 MA's), (201, 21904), (206, 21916), (230, 21964), (237, 21982), (259, 22018), (267, 22033), (298, 22084), (315, 22114), (334, 22156), (352, 22180), (401, 22216), (405, 22222), (423, 22249), (432, 22267), (469, 22360), (470, 22363), (494, 22447), (547, 22585), (557, 22603), (593, 22687),

Gene: RoseMarie_32 Start: 29180, Stop: 30352, Start Num: 87
Candidate Starts for RoseMarie_32:
(84, 29174), (Start: 87 @29180 has 2 MA's), (Start: 135 @29288 has 1 MA's), (Start: 152 @29315 has 1 MA's), (184, 29375), (198, 29393), (214, 29423), (222, 29441), (227, 29453), (248, 29495), (267, 29528), (285, 29558), (320, 29621), (327, 29639), (390, 29693), (417, 29735), (421, 29741), (427, 29753), (449, 29804), (508, 29981),

Gene: Rosebush_33 Start: 32811, Stop: 33974, Start Num: 83
Candidate Starts for Rosebush_33:
(46, 32664), (Start: 79 @32805 has 10 MA's), (Start: 83 @32811 has 436 MA's), (102, 32850), (114, 32880), (Start: 135 @32925 has 1 MA's), (161, 32970), (218, 33069), (247, 33129), (267, 33165), (283, 33189), (306, 33234), (311, 33240), (350, 33291), (390, 33330), (391, 33333), (399, 33345), (409, 33360), (424, 33384), (437, 33417), (467, 33498), (497, 33591), (510, 33627), (514, 33636), (517, 33642), (537, 33702), (609, 33867),

Gene: Rota_32 Start: 29482, Stop: 30456, Start Num: 191
Candidate Starts for Rota_32:
(Start: 143 @29407 has 31 MA's), (191, 29482), (210, 29521), (231, 29563), (258, 29617), (266, 29632), (303, 29695), (437, 29920), (498, 30091), (587, 30319),

Gene: Roy17_33 Start: 32069, Stop: 33229, Start Num: 83
Candidate Starts for Roy17_33:
(Start: 83 @32069 has 436 MA's), (Start: 135 @32180 has 1 MA's), (161, 32225), (218, 32324), (247, 32384), (267, 32420), (283, 32444), (306, 32489), (311, 32495), (350, 32546), (390, 32585), (391, 32588), (399, 32600), (409, 32615), (424, 32639), (437, 32672), (467, 32753), (480, 32798), (497, 32846), (510, 32882), (514, 32891), (517, 32897), (609, 33122),

Gene: Rubeelu_22 Start: 19998, Stop: 21038, Start Num: 144
Candidate Starts for Rubeelu_22:
(113, 19932), (Start: 144 @19998 has 5 MA's), (230, 20157), (232, 20163), (291, 20271), (293, 20274), (303, 20289), (369, 20379), (392, 20424), (437, 20505), (461, 20562), (468, 20586), (494, 20673), (500, 20691), (525, 20763), (540, 20808), (616, 20973),

Gene: Rukungu_33 Start: 29795, Stop: 30766, Start Num: 191
Candidate Starts for Rukungu_33:
(Start: 143 @29720 has 31 MA's), (191, 29795), (210, 29834), (220, 29855), (258, 29930), (266, 29945), (303, 30008), (333, 30068), (437, 30233), (498, 30404),

Gene: Rumi_32 Start: 27114, Stop: 28211, Start Num: 148
Candidate Starts for Rumi_32:
(Start: 148 @27114 has 14 MA's), (210, 27228), (257, 27321), (277, 27354), (280, 27357), (281, 27360), (293, 27381), (302, 27393), (333, 27441), (377, 27504), (411, 27558), (454, 27654), (465, 27696), (503, 27822), (538, 27930), (559, 27969), (595, 28056), (633, 28203),

Gene: Ruthiejr_29 Start: 24262, Stop: 25296, Start Num: 144
Candidate Starts for Ruthiejr_29:
(113, 24196), (Start: 144 @24262 has 5 MA's), (230, 24418), (231, 24421), (254, 24466), (258, 24475), (303, 24550), (369, 24637), (392, 24682), (437, 24763), (461, 24820), (468, 24844), (500, 24949), (525, 25021), (553, 25081), (616, 25231),

Gene: SDcharge11_33 Start: 32343, Stop: 33503, Start Num: 83
Candidate Starts for SDcharge11_33:
(Start: 83 @32343 has 436 MA's), (Start: 135 @32454 has 1 MA's), (161, 32499), (218, 32598), (247, 32658), (267, 32694), (283, 32718), (306, 32763), (311, 32769), (350, 32820), (390, 32859), (391, 32862), (399, 32874), (409, 32889), (424, 32913), (437, 32946), (467, 33027), (480, 33072), (497, 33120), (510, 33156), (514, 33165), (517, 33171), (609, 33396),

Gene: Sabella_33 Start: 32688, Stop: 33851, Start Num: 83
Candidate Starts for Sabella_33:
(46, 32541), (Start: 79 @32682 has 10 MA's), (Start: 83 @32688 has 436 MA's), (102, 32727), (114, 32757), (Start: 135 @32802 has 1 MA's), (161, 32847), (218, 32946), (247, 33006), (267, 33042), (283, 33066), (306, 33111), (311, 33117), (350, 33168), (390, 33207), (391, 33210), (399, 33222), (409, 33237), (424, 33261), (437, 33294), (467, 33375), (497, 33468), (510, 33504), (514, 33513), (517, 33519), (609, 33744),

Gene: Saguaro_32 Start: 33436, Stop: 34548, Start Num: 80
Candidate Starts for Saguaro_32:

(35, 33223), (66, 33406), (Start: 80 @33436 has 12 MA's), (Start: 135 @33550 has 1 MA's), (Start: 152 @33577 has 1 MA's), (171, 33610), (177, 33625), (181, 33631), (209, 33679), (214, 33688), (247, 33757), (259, 33778), (272, 33802), (275, 33808), (317, 33883), (322, 33889), (340, 33907), (345, 33916), (350, 33925), (354, 33931), (451, 34051), (543, 34303), (594, 34411), (596, 34417),

Gene: Salazzle_33 Start: 31945, Stop: 33105, Start Num: 83
Candidate Starts for Salazzle_33:
(Start: 83 @31945 has 436 MA's), (Start: 135 @32056 has 1 MA's), (161, 32101), (218, 32200), (247, 32260), (267, 32296), (283, 32320), (306, 32365), (311, 32371), (350, 32422), (390, 32461), (391, 32464), (399, 32476), (424, 32515), (437, 32548), (467, 32629), (480, 32674), (497, 32722), (510, 32758), (514, 32767), (517, 32773), (609, 32998),

Gene: SallyH_33 Start: 32379, Stop: 33539, Start Num: 83
Candidate Starts for SallyH_33:
(Start: 83 @32379 has 436 MA's), (Start: 135 @32490 has 1 MA's), (161, 32535), (218, 32634), (247, 32694), (267, 32730), (283, 32754), (306, 32799), (311, 32805), (350, 32856), (390, 32895), (391, 32898), (399, 32910), (409, 32925), (424, 32949), (437, 32982), (467, 33063), (480, 33108), (497, 33156), (510, 33192), (514, 33201), (517, 33207), (609, 33432),

Gene: Salvus_26 Start: 22028, Stop: 23053, Start Num: 142
Candidate Starts for Salvus_26:
(Start: 142 @22028 has 2 MA's), (194, 22118), (317, 22337), (319, 22340), (333, 22352), (425, 22484), (437, 22520), (461, 22571), (475, 22628), (570, 22865), (617, 22991),

Gene: SamScheppers_27 Start: 24552, Stop: 25625, Start Num: 143
Candidate Starts for SamScheppers_27:
(Start: 143 @24552 has 31 MA's), (Start: 146 @24555 has 97 MA's), (272, 24795), (293, 24831), (300, 24840), (303, 24846), (333, 24891), (369, 24936), (377, 24954), (392, 24981), (437, 25062), (461, 25119), (468, 25143),

Gene: Samaymay_33 Start: 32369, Stop: 33529, Start Num: 83
Candidate Starts for Samaymay_33:
(Start: 83 @32369 has 436 MA's), (Start: 135 @32480 has 1 MA's), (161, 32525), (218, 32624), (247, 32684), (267, 32720), (283, 32744), (306, 32789), (311, 32795), (350, 32846), (390, 32885), (391, 32888), (399, 32900), (409, 32915), (424, 32939), (437, 32972), (467, 33053), (480, 33098), (497, 33146), (510, 33182), (514, 33191), (517, 33197), (609, 33422),

Gene: Sampudon_33 Start: 30054, Stop: 31103, Start Num: 143
Candidate Starts for Sampudon_33:
(Start: 143 @30054 has 31 MA's), (210, 30168), (220, 30189), (258, 30264), (266, 30279), (303, 30342), (333, 30402), (404, 30504), (437, 30567), (498, 30738), (587, 30966),

Gene: Samty_22 Start: 22250, Stop: 23467, Start Num: 91
Candidate Starts for Samty_22:
(Start: 91 @22250 has 34 MA's), (133, 22352), (140, 22364), (Start: 152 @22382 has 1 MA's), (157, 22391), (177, 22430), (201, 22466), (209, 22481), (211, 22487), (225, 22517), (227, 22520), (244, 22556), (250, 22568), (283, 22619), (284, 22622), (318, 22682), (329, 22709), (337, 22724), (342, 22730), (350, 22742), (379, 22802), (393, 22826), (432, 22886), (468, 22982), (473, 23015), (500, 23087), (510, 23111), (517, 23126), (606, 23339), (609, 23351),

Gene: Sarma624_20 Start: 20090, Stop: 21244, Start Num: 86
Candidate Starts for Sarma624_20:

(Start: 80 @20087 has 12 MA's), (Start: 86 @20090 has 22 MA's), (Start: 149 @20219 has 1 MA's), (165, 20249), (181, 20279), (189, 20288), (199, 20303), (210, 20327), (222, 20351), (227, 20363), (267, 20438), (272, 20447), (285, 20471), (303, 20501), (379, 20585), (381, 20588), (393, 20609), (493, 20858), (497, 20867), (506, 20897), (517, 20918), (537, 20987), (627, 21221),

Gene: SassyCat97_32 Start: 32075, Stop: 33235, Start Num: 83
Candidate Starts for SassyCat97_32:
(Start: 83 @32075 has 436 MA's), (Start: 135 @32186 has 1 MA's), (161, 32231), (218, 32330), (247, 32390), (267, 32426), (283, 32450), (306, 32495), (311, 32501), (350, 32552), (390, 32591), (391, 32594), (399, 32606), (424, 32645), (437, 32678), (467, 32759), (480, 32804), (497, 32852), (510, 32888), (514, 32897), (517, 32903), (609, 33128),

Gene: Sbash_21 Start: 21030, Stop: 22079, Start Num: 146
Candidate Starts for Sbash_21:
(Start: 146 @21030 has 97 MA's), (232, 21192), (258, 21243), (300, 21306), (376, 21411), (467, 21600), (473, 21636), (500, 21708), (551, 21843), (576, 21897), (610, 21987),

Gene: Schadenfreude_32 Start: 31926, Stop: 33086, Start Num: 83
Candidate Starts for Schadenfreude_32:
(Start: 83 @31926 has 436 MA's), (Start: 135 @32037 has 1 MA's), (161, 32082), (218, 32181), (247, 32241), (267, 32277), (283, 32301), (306, 32346), (311, 32352), (350, 32403), (390, 32442), (391, 32445), (399, 32457), (424, 32496), (437, 32529), (467, 32610), (480, 32655), (497, 32703), (510, 32739), (514, 32748), (517, 32754), (609, 32979),

Gene: Schnauzer_22 Start: 20223, Stop: 21437, Start Num: 131
Candidate Starts for Schnauzer_22:
(38, 19893), (75, 20091), (Start: 130 @20220 has 6 MA's), (Start: 131 @20223 has 18 MA's), (268, 20484), (358, 20655), (439, 20805), (453, 20844), (488, 20946), (497, 20988), (619, 21360),

Gene: Schueller_32 Start: 32091, Stop: 33251, Start Num: 83
Candidate Starts for Schueller_32:
(Start: 83 @32091 has 436 MA's), (Start: 135 @32202 has 1 MA's), (161, 32247), (218, 32346), (247, 32406), (267, 32442), (283, 32466), (306, 32511), (311, 32517), (350, 32568), (390, 32607), (391, 32610), (399, 32622), (424, 32661), (437, 32694), (467, 32775), (480, 32820), (497, 32868), (510, 32904), (514, 32913), (517, 32919), (609, 33144),

Gene: Scitech_21 Start: 20194, Stop: 21228, Start Num: 141
Candidate Starts for Scitech_21:
(Start: 141 @20194 has 12 MA's), (230, 20350), (232, 20356), (291, 20464), (293, 20467), (303, 20482), (369, 20569), (392, 20614), (437, 20695), (461, 20752), (468, 20776), (500, 20881), (525, 20953), (540, 20998),

Gene: Scoot17C_33 Start: 32368, Stop: 33528, Start Num: 83
Candidate Starts for Scoot17C_33:
(Start: 83 @32368 has 436 MA's), (Start: 135 @32479 has 1 MA's), (161, 32524), (218, 32623), (247, 32683), (267, 32719), (283, 32743), (306, 32788), (311, 32794), (350, 32845), (390, 32884), (391, 32887), (399, 32899), (409, 32914), (424, 32938), (437, 32971), (467, 33052), (480, 33097), (497, 33145), (510, 33181), (514, 33190), (517, 33196), (609, 33421),

Gene: Scrick_33 Start: 32093, Stop: 33253, Start Num: 83
Candidate Starts for Scrick_33:
(Start: 83 @32093 has 436 MA's), (Start: 135 @32204 has 1 MA's), (161, 32249), (218, 32348), (247, 32408), (267, 32444), (283, 32468), (306, 32513), (311, 32519), (350, 32570), (390, 32609), (391,

32612), (399, 32624), (409, 32639), (424, 32663), (437, 32696), (467, 32777), (480, 32822), (497, 32870), (510, 32906), (514, 32915), (517, 32921), (609, 33146),

Gene: Scuba_53 Start: 35472, Stop: 36554, Start Num: 129
Candidate Starts for Scuba_53:
(Start: 129 @35472 has 10 MA's), (190, 35589), (309, 35817), (386, 35901), (390, 35907), (426, 35961), (619, 36486),

Gene: Sejanus_28 Start: 29684, Stop: 30844, Start Num: 83
Candidate Starts for Sejanus_28:
(Start: 83 @29684 has 436 MA's), (100, 29720), (114, 29753), (Start: 135 @29798 has 1 MA's), (161, 29843), (163, 29846), (267, 30038), (283, 30062), (285, 30068), (311, 30113), (313, 30116), (350, 30164), (405, 30227), (407, 30230), (428, 30263), (458, 30338), (467, 30368), (506, 30491), (511, 30500), (514, 30506), (629, 30827),

Gene: Selr12_33 Start: 32097, Stop: 33257, Start Num: 83
Candidate Starts for Selr12_33:
(Start: 83 @32097 has 436 MA's), (Start: 135 @32208 has 1 MA's), (161, 32253), (218, 32352), (247, 32412), (267, 32448), (283, 32472), (306, 32517), (311, 32523), (350, 32574), (390, 32613), (391, 32616), (399, 32628), (409, 32643), (424, 32667), (437, 32700), (467, 32781), (480, 32826), (497, 32874), (510, 32910), (514, 32919), (517, 32925), (609, 33150),

Gene: Septica_32 Start: 32379, Stop: 33539, Start Num: 83
Candidate Starts for Septica_32:
(Start: 83 @32379 has 436 MA's), (Start: 135 @32490 has 1 MA's), (161, 32535), (218, 32634), (247, 32694), (267, 32730), (283, 32754), (306, 32799), (311, 32805), (350, 32856), (390, 32895), (391, 32898), (399, 32910), (424, 32949), (437, 32982), (467, 33063), (480, 33108), (497, 33156), (510, 33192), (514, 33201), (517, 33207), (609, 33432),

Gene: Serendipitous_31 Start: 32443, Stop: 33945, Start Num: 29
Candidate Starts for Serendipitous_31:
(Start: 29 @32443 has 11 MA's), (30, 32461), (32, 32473), (34, 32482), (42, 32536), (48, 32554), (60, 32632), (63, 32647), (65, 32659), (107, 32767), (132, 32815), (140, 32827), (189, 32920), (201, 32947), (210, 32965), (215, 32974), (219, 32983), (227, 33001), (256, 33052), (262, 33067), (273, 33088), (304, 33139), (347, 33223), (350, 33229), (359, 33253), (369, 33274), (383, 33301), (432, 33385), (442, 33412), (458, 33451), (469, 33487), (543, 33700), (596, 33811), (631, 33931),

Gene: Serendipity_33 Start: 32393, Stop: 33553, Start Num: 83
Candidate Starts for Serendipity_33:
(Start: 83 @32393 has 436 MA's), (Start: 135 @32504 has 1 MA's), (161, 32549), (218, 32648), (247, 32708), (267, 32744), (283, 32768), (306, 32813), (311, 32819), (350, 32870), (390, 32909), (391, 32912), (399, 32924), (409, 32939), (424, 32963), (437, 32996), (467, 33077), (480, 33122), (497, 33170), (510, 33206), (514, 33215), (517, 33221), (609, 33446),

Gene: Serpentine_0033 Start: 32374, Stop: 33534, Start Num: 83
Candidate Starts for Serpentine_0033:
(Start: 83 @32374 has 436 MA's), (Start: 135 @32485 has 1 MA's), (161, 32530), (218, 32629), (247, 32689), (267, 32725), (283, 32749), (306, 32794), (311, 32800), (350, 32851), (390, 32890), (391, 32893), (399, 32905), (409, 32920), (424, 32944), (437, 32977), (467, 33058), (480, 33103), (497, 33151), (510, 33187), (514, 33196), (517, 33202), (609, 33427),

Gene: ShadowBud_33 Start: 32394, Stop: 33554, Start Num: 83
Candidate Starts for ShadowBud_33:

(Start: 83 @32394 has 436 MA's), (Start: 135 @32505 has 1 MA's), (161, 32550), (218, 32649), (247, 32709), (267, 32745), (283, 32769), (306, 32814), (311, 32820), (350, 32871), (390, 32910), (391, 32913), (399, 32925), (424, 32964), (437, 32997), (467, 33078), (480, 33123), (497, 33171), (510, 33207), (514, 33216), (517, 33222), (609, 33447),

Gene: Sheila_33 Start: 32411, Stop: 33571, Start Num: 83
Candidate Starts for Sheila_33:
(Start: 83 @32411 has 436 MA's), (Start: 135 @32522 has 1 MA's), (161, 32567), (218, 32666), (247, 32726), (267, 32762), (283, 32786), (306, 32831), (311, 32837), (350, 32888), (390, 32927), (391, 32930), (399, 32942), (409, 32957), (424, 32981), (437, 33014), (467, 33095), (480, 33140), (497, 33188), (510, 33224), (514, 33233), (517, 33239), (609, 33464),

Gene: Shelley_30 Start: 37583, Stop: 38485, Start Num: 217
Candidate Starts for Shelley_30:
(Start: 217 @37583 has 25 MA's), (293, 37721), (337, 37790), (375, 37838), (422, 37901), (437, 37937), (493, 38105), (600, 38357), (627, 38462),

Gene: Shenandoah_33 Start: 32195, Stop: 33397, Start Num: 83
Candidate Starts for Shenandoah_33:
(Start: 83 @32195 has 436 MA's), (99, 32228), (177, 32372), (183, 32381), (188, 32390), (209, 32429), (214, 32438), (222, 32456), (230, 32474), (237, 32492), (240, 32498), (249, 32510), (259, 32528), (267, 32543), (287, 32576), (303, 32603), (332, 32648), (371, 32729), (386, 32756), (397, 32774), (409, 32792), (432, 32834), (441, 32858), (469, 32933), (473, 32963), (497, 33023), (500, 33035), (506, 33053), (545, 33155), (594, 33260), (596, 33266), (600, 33284), (626, 33371),

Gene: Sheng711_21 Start: 21427, Stop: 22581, Start Num: 91
Candidate Starts for Sheng711_21:
(Start: 91 @21427 has 34 MA's), (133, 21529), (140, 21541), (Start: 180 @21610 has 3 MA's), (230, 21703), (259, 21757), (275, 21787), (283, 21796), (304, 21835), (327, 21883), (342, 21907), (350, 21919), (393, 21943), (444, 22033), (486, 22150), (493, 22186), (497, 22195), (518, 22252), (529, 22291),

Gene: Shenyu_32 Start: 32544, Stop: 34049, Start Num: 29
Candidate Starts for Shenyu_32:
(Start: 29 @32544 has 11 MA's), (34, 32583), (48, 32655), (57, 32715), (60, 32733), (63, 32748), (Start: 180 @33000 has 3 MA's), (192, 33030), (201, 33048), (215, 33075), (227, 33102), (283, 33204), (304, 33243), (313, 33258), (350, 33333), (369, 33378), (371, 33384), (376, 33393), (432, 33489), (458, 33555), (469, 33591), (543, 33804), (596, 33915), (631, 34035),

Gene: ShiVal_33 Start: 32367, Stop: 33527, Start Num: 83
Candidate Starts for ShiVal_33:
(Start: 83 @32367 has 436 MA's), (Start: 135 @32478 has 1 MA's), (161, 32523), (218, 32622), (247, 32682), (267, 32718), (283, 32742), (306, 32787), (311, 32793), (350, 32844), (390, 32883), (391, 32886), (399, 32898), (424, 32937), (437, 32970), (467, 33051), (480, 33096), (497, 33144), (510, 33180), (514, 33189), (517, 33195), (609, 33420),

Gene: ShrimpFriedEgg_21 Start: 19877, Stop: 21031, Start Num: 86
Candidate Starts for ShrimpFriedEgg_21:
(31, 19640), (39, 19682), (44, 19712), (50, 19742), (59, 19802), (69, 19856), (Start: 86 @19877 has 22 MA's), (112, 19940), (124, 19958), (Start: 149 @20006 has 1 MA's), (181, 20066), (189, 20075), (199, 20090), (210, 20114), (222, 20138), (227, 20150), (267, 20225), (272, 20234), (285, 20258), (303, 20288), (331, 20333), (332, 20336), (336, 20342), (379, 20372), (381, 20375), (393, 20396), (467, 20555), (493, 20645), (497, 20654), (506, 20684), (517, 20705), (627, 21008),

Gene: Shweta_21 Start: 20201, Stop: 21238, Start Num: 141
Candidate Starts for Shweta_21:
(Start: 141 @20201 has 12 MA's), (230, 20357), (232, 20363), (254, 20405), (291, 20471), (293, 20474), (333, 20534), (369, 20579), (392, 20624), (437, 20705), (461, 20762), (468, 20786), (500, 20891), (525, 20963), (540, 21008),

Gene: Sigman_33 Start: 32359, Stop: 33519, Start Num: 83
Candidate Starts for Sigman_33:
(Start: 83 @32359 has 436 MA's), (Start: 135 @32470 has 1 MA's), (161, 32515), (218, 32614), (247, 32674), (267, 32710), (283, 32734), (306, 32779), (311, 32785), (350, 32836), (390, 32875), (391, 32878), (399, 32890), (409, 32905), (424, 32929), (437, 32962), (467, 33043), (480, 33088), (497, 33136), (510, 33172), (514, 33181), (517, 33187), (609, 33412),

Gene: Silvafighter_22 Start: 20223, Stop: 21437, Start Num: 131
Candidate Starts for Silvafighter_22:
(38, 19893), (75, 20091), (Start: 130 @20220 has 6 MA's), (Start: 131 @20223 has 18 MA's), (268, 20484), (358, 20655), (439, 20805), (453, 20844), (488, 20946), (497, 20988), (619, 21360),

Gene: SilverBell_33 Start: 32389, Stop: 33549, Start Num: 83
Candidate Starts for SilverBell_33:
(Start: 83 @32389 has 436 MA's), (Start: 135 @32500 has 1 MA's), (161, 32545), (218, 32644), (247, 32704), (267, 32740), (283, 32764), (306, 32809), (311, 32815), (350, 32866), (390, 32905), (391, 32908), (399, 32920), (424, 32959), (437, 32992), (467, 33073), (480, 33118), (497, 33166), (510, 33202), (514, 33211), (517, 33217), (609, 33442),

Gene: Silverleaf_21 Start: 21688, Stop: 22860, Start Num: 91
Candidate Starts for Silverleaf_21:
(Start: 89 @21685 has 7 MA's), (Start: 91 @21688 has 34 MA's), (Start: 149 @21814 has 1 MA's), (173, 21856), (177, 21868), (Start: 180 @21871 has 3 MA's), (201, 21904), (206, 21916), (230, 21964), (237, 21982), (259, 22018), (267, 22033), (298, 22084), (315, 22114), (334, 22156), (352, 22180), (401, 22216), (405, 22222), (423, 22249), (432, 22267), (469, 22360), (470, 22363), (494, 22447), (547, 22585), (557, 22603), (593, 22687),

Gene: Silvy_22 Start: 20224, Stop: 21438, Start Num: 131
Candidate Starts for Silvy_22:
(38, 19894), (75, 20092), (Start: 130 @20221 has 6 MA's), (Start: 131 @20224 has 18 MA's), (268, 20485), (358, 20656), (439, 20806), (453, 20845), (488, 20947), (497, 20989), (619, 21361),

Gene: Simielle_32 Start: 32062, Stop: 33222, Start Num: 83
Candidate Starts for Simielle_32:
(Start: 83 @32062 has 436 MA's), (Start: 135 @32173 has 1 MA's), (161, 32218), (218, 32317), (247, 32377), (267, 32413), (283, 32437), (306, 32482), (311, 32488), (350, 32539), (390, 32578), (391, 32581), (399, 32593), (409, 32608), (424, 32632), (437, 32665), (467, 32746), (480, 32791), (497, 32839), (510, 32875), (514, 32884), (517, 32890), (609, 33115),

Gene: SirBeauregard_33 Start: 32066, Stop: 33226, Start Num: 83
Candidate Starts for SirBeauregard_33:
(Start: 83 @32066 has 436 MA's), (Start: 135 @32177 has 1 MA's), (161, 32222), (218, 32321), (247, 32381), (267, 32417), (283, 32441), (306, 32486), (311, 32492), (350, 32543), (390, 32582), (391, 32585), (399, 32597), (424, 32636), (437, 32669), (467, 32750), (480, 32795), (497, 32843), (510, 32879), (514, 32888), (517, 32894), (609, 33119),

Gene: SirJeffery_32 Start: 32588, Stop: 34093, Start Num: 29
Candidate Starts for SirJeffery_32:
(Start: 29 @32588 has 11 MA's), (30, 32606), (34, 32627), (42, 32681), (57, 32759), (60, 32777), (63, 32792), (65, 32804), (177, 33041), (201, 33092), (215, 33119), (227, 33146), (273, 33233), (283, 33248), (304, 33287), (350, 33377), (376, 33437), (442, 33560), (458, 33599), (469, 33635), (596, 33959), (631, 34079),

Gene: Skinny_32 Start: 27432, Stop: 28493, Start Num: 146
Candidate Starts for Skinny_32:
(Start: 146 @27432 has 97 MA's), (168, 27468), (193, 27510), (236, 27600), (247, 27621), (260, 27648), (300, 27711), (368, 27801), (373, 27813), (379, 27822), (408, 27867), (441, 27933), (468, 28005), (494, 28095), (500, 28113), (540, 28230), (548, 28242), (587, 28332),

Gene: SkinnyPete_21 Start: 20204, Stop: 21241, Start Num: 146
Candidate Starts for SkinnyPete_21:
(Start: 146 @20204 has 97 MA's), (230, 20360), (232, 20366), (291, 20474), (303, 20492), (369, 20582), (392, 20627), (437, 20708), (468, 20789), (494, 20876), (500, 20894), (525, 20966), (540, 21011), (616, 21176),

Gene: Skippy_33 Start: 32357, Stop: 33517, Start Num: 83
Candidate Starts for Skippy_33:
(Start: 83 @32357 has 436 MA's), (Start: 135 @32468 has 1 MA's), (161, 32513), (218, 32612), (247, 32672), (267, 32708), (283, 32732), (306, 32777), (311, 32783), (350, 32834), (390, 32873), (391, 32876), (399, 32888), (424, 32927), (437, 32960), (467, 33041), (480, 33086), (497, 33134), (510, 33170), (514, 33179), (517, 33185), (609, 33410),

Gene: Skog_188 Start: 113083, Stop: 113973, Start Num: 221
Candidate Starts for Skog_188:
(Start: 221 @113083 has 1 MA's), (241, 113122), (282, 113194), (394, 113356), (540, 113722), (587, 113818),

Gene: Skysand_47 Start: 36418, Stop: 37479, Start Num: 150
Candidate Starts for Skysand_47:
(Start: 150 @36418 has 30 MA's), (246, 36604), (366, 36790), (368, 36793), (469, 37003),

Gene: Slarp_29 Start: 24596, Stop: 25600, Start Num: 178
Candidate Starts for Slarp_29:
(Start: 178 @24596 has 14 MA's), (275, 24764), (304, 24809), (306, 24815), (341, 24869), (347, 24878), (385, 24959), (399, 24980), (403, 24986), (405, 24989), (467, 25121), (468, 25124), (506, 25247),

Gene: Slatt_33 Start: 32383, Stop: 33543, Start Num: 83
Candidate Starts for Slatt_33:
(Start: 83 @32383 has 436 MA's), (Start: 135 @32494 has 1 MA's), (161, 32539), (218, 32638), (247, 32698), (267, 32734), (283, 32758), (306, 32803), (311, 32809), (350, 32860), (390, 32899), (391, 32902), (399, 32914), (424, 32953), (437, 32986), (467, 33067), (480, 33112), (497, 33160), (510, 33196), (514, 33205), (517, 33211), (609, 33436),

Gene: SlimJimmy_30 Start: 26975, Stop: 28030, Start Num: 146
Candidate Starts for SlimJimmy_30:
(Start: 146 @26975 has 97 MA's), (258, 27188), (280, 27224), (317, 27287), (376, 27359), (392, 27389), (406, 27410), (430, 27446), (441, 27482), (461, 27530), (467, 27551), (469, 27557), (473, 27587), (475, 27590), (493, 27638), (576, 27848), (599, 27902),

Gene: SlippinJimmy_33 Start: 32984, Stop: 34186, Start Num: 83
Candidate Starts for SlippinJimmy_33:
(Start: 83 @32984 has 436 MA's), (99, 33017), (177, 33161), (183, 33170), (188, 33179), (209, 33218), (214, 33227), (222, 33245), (230, 33263), (237, 33281), (240, 33287), (249, 33299), (259, 33317), (267, 33332), (287, 33365), (303, 33392), (332, 33437), (371, 33518), (386, 33545), (397, 33563), (409, 33581), (432, 33623), (473, 33752), (479, 33761), (506, 33842), (545, 33944), (575, 34001), (577, 34010), (594, 34049), (611, 34121), (627, 34163),

Gene: Smurph_22 Start: 20223, Stop: 21437, Start Num: 131
Candidate Starts for Smurph_22:
(38, 19893), (75, 20091), (Start: 130 @20220 has 6 MA's), (Start: 131 @20223 has 18 MA's), (268, 20484), (358, 20655), (439, 20805), (453, 20844), (488, 20946), (497, 20988), (619, 21360),

Gene: Snekmaggedon_21 Start: 20006, Stop: 21031, Start Num: 149
Candidate Starts for Snekmaggedon_21:
(31, 19640), (39, 19682), (44, 19712), (50, 19742), (59, 19802), (69, 19856), (Start: 86 @19877 has 22 MA's), (124, 19958), (Start: 149 @20006 has 1 MA's), (181, 20066), (189, 20075), (199, 20090), (210, 20114), (222, 20138), (227, 20150), (267, 20225), (272, 20234), (285, 20258), (303, 20288), (379, 20372), (381, 20375), (393, 20396), (467, 20555), (493, 20645), (497, 20654), (506, 20684), (517, 20705), (627, 21008),

Gene: Snenia_22 Start: 22248, Stop: 23465, Start Num: 91
Candidate Starts for Snenia_22:
(Start: 91 @22248 has 34 MA's), (133, 22350), (140, 22362), (Start: 152 @22380 has 1 MA's), (157, 22389), (177, 22428), (201, 22464), (209, 22479), (211, 22485), (225, 22515), (227, 22518), (244, 22554), (250, 22566), (283, 22617), (284, 22620), (318, 22680), (329, 22707), (337, 22722), (342, 22728), (350, 22740), (379, 22800), (393, 22824), (432, 22884), (468, 22980), (473, 23013), (500, 23085), (510, 23109), (606, 23337), (609, 23349),

Gene: SoSeph_27 Start: 24081, Stop: 25148, Start Num: 146
Candidate Starts for SoSeph_27:
(Start: 146 @24081 has 97 MA's), (210, 24198), (236, 24255), (260, 24303), (264, 24309), (302, 24366), (303, 24369), (309, 24384), (323, 24411), (366, 24450), (369, 24453), (374, 24465), (376, 24468), (377, 24471), (385, 24486), (416, 24531), (420, 24537), (441, 24591), (461, 24639), (470, 24669), (484, 24714), (525, 24843), (546, 24897),

Gene: Soile_33 Start: 32089, Stop: 33249, Start Num: 83
Candidate Starts for Soile_33:
(Start: 83 @32089 has 436 MA's), (Start: 135 @32200 has 1 MA's), (161, 32245), (218, 32344), (247, 32404), (267, 32440), (283, 32464), (306, 32509), (311, 32515), (350, 32566), (390, 32605), (391, 32608), (399, 32620), (424, 32659), (437, 32692), (467, 32773), (480, 32818), (497, 32866), (510, 32902), (514, 32911), (517, 32917), (609, 33142),

Gene: Solosis_32 Start: 32084, Stop: 33244, Start Num: 83
Candidate Starts for Solosis_32:
(Start: 83 @32084 has 436 MA's), (Start: 135 @32195 has 1 MA's), (161, 32240), (218, 32339), (247, 32399), (267, 32435), (283, 32459), (306, 32504), (311, 32510), (350, 32561), (390, 32600), (391, 32603), (399, 32615), (409, 32630), (424, 32654), (437, 32687), (467, 32768), (480, 32813), (497, 32861), (510, 32897), (514, 32906), (517, 32912), (609, 33137),

Gene: Sonah_22 Start: 21289, Stop: 22326, Start Num: 146
Candidate Starts for Sonah_22:

(Start: 131 @21265 has 18 MA's), (Start: 143 @21286 has 31 MA's), (Start: 146 @21289 has 97 MA's), (162, 21313), (232, 21451), (254, 21493), (293, 21562), (333, 21622), (369, 21667), (392, 21712), (437, 21793), (461, 21850), (468, 21874), (500, 21979), (525, 22051), (540, 22096), (616, 22261),

Gene: Sophia_32 Start: 32084, Stop: 33244, Start Num: 83
Candidate Starts for Sophia_32:
(Start: 83 @32084 has 436 MA's), (Start: 135 @32195 has 1 MA's), (161, 32240), (218, 32339), (247, 32399), (267, 32435), (283, 32459), (306, 32504), (311, 32510), (350, 32561), (390, 32600), (391, 32603), (399, 32615), (424, 32654), (437, 32687), (467, 32768), (480, 32813), (497, 32861), (510, 32897), (514, 32906), (517, 32912), (609, 33137),

Gene: Soto_33 Start: 32377, Stop: 33537, Start Num: 83
Candidate Starts for Soto_33:
(Start: 83 @32377 has 436 MA's), (Start: 135 @32488 has 1 MA's), (161, 32533), (218, 32632), (247, 32692), (267, 32728), (283, 32752), (306, 32797), (311, 32803), (350, 32854), (390, 32893), (391, 32896), (399, 32908), (409, 32923), (424, 32947), (437, 32980), (467, 33061), (480, 33106), (497, 33154), (510, 33190), (514, 33199), (517, 33205), (609, 33430),

Gene: Sparky_21 Start: 21885, Stop: 22931, Start Num: 146
Candidate Starts for Sparky_21:
(Start: 146 @21885 has 97 MA's), (258, 22098), (260, 22104), (333, 22209), (369, 22251), (370, 22254), (411, 22323), (467, 22455), (473, 22491), (516, 22599), (576, 22752), (579, 22761), (583, 22773),

Gene: Spartan300_33 Start: 32363, Stop: 33523, Start Num: 83
Candidate Starts for Spartan300_33:
(Start: 83 @32363 has 436 MA's), (Start: 135 @32474 has 1 MA's), (161, 32519), (218, 32618), (247, 32678), (267, 32714), (283, 32738), (306, 32783), (311, 32789), (350, 32840), (390, 32879), (391, 32882), (399, 32894), (424, 32933), (437, 32966), (467, 33047), (480, 33092), (497, 33140), (510, 33176), (514, 33185), (517, 33191), (609, 33416),

Gene: Spinach_21 Start: 19877, Stop: 21031, Start Num: 86
Candidate Starts for Spinach_21:
(31, 19640), (39, 19682), (44, 19712), (50, 19742), (59, 19802), (69, 19856), (Start: 86 @19877 has 22 MA's), (112, 19940), (124, 19958), (Start: 149 @20006 has 1 MA's), (181, 20066), (189, 20075), (199, 20090), (210, 20114), (222, 20138), (227, 20150), (267, 20225), (272, 20234), (285, 20258), (303, 20288), (331, 20333), (332, 20336), (336, 20342), (379, 20372), (381, 20375), (393, 20396), (467, 20555), (493, 20645), (497, 20654), (506, 20684), (517, 20705), (627, 21008),

Gene: SpongeBob_21 Start: 19877, Stop: 21031, Start Num: 86
Candidate Starts for SpongeBob_21:
(31, 19640), (39, 19682), (44, 19712), (50, 19742), (59, 19802), (69, 19856), (Start: 86 @19877 has 22 MA's), (124, 19958), (Start: 149 @20006 has 1 MA's), (181, 20066), (189, 20075), (199, 20090), (210, 20114), (222, 20138), (227, 20150), (267, 20225), (272, 20234), (285, 20258), (303, 20288), (379, 20372), (381, 20375), (393, 20396), (467, 20555), (493, 20645), (497, 20654), (506, 20684), (517, 20705), (627, 21008),

Gene: Sprinklemunch_22 Start: 21828, Stop: 22874, Start Num: 146
Candidate Starts for Sprinklemunch_22:
(Start: 146 @21828 has 97 MA's), (205, 21933), (258, 22038), (344, 22194), (355, 22212), (367, 22215), (398, 22269), (461, 22398), (514, 22554), (536, 22626), (561, 22674), (563, 22677), (576, 22710),

Gene: Squid_33 Start: 32075, Stop: 33235, Start Num: 83
Candidate Starts for Squid_33:
(Start: 83 @32075 has 436 MA's), (Start: 135 @32186 has 1 MA's), (161, 32231), (218, 32330), (247, 32390), (267, 32426), (283, 32450), (306, 32495), (311, 32501), (350, 32552), (390, 32591), (391, 32594), (399, 32606), (424, 32645), (437, 32678), (467, 32759), (480, 32804), (497, 32852), (510, 32888), (514, 32897), (517, 32903), (609, 33128),

Gene: Squiggle_33 Start: 32087, Stop: 33247, Start Num: 83
Candidate Starts for Squiggle_33:
(Start: 83 @32087 has 436 MA's), (Start: 135 @32198 has 1 MA's), (161, 32243), (218, 32342), (247, 32402), (267, 32438), (283, 32462), (306, 32507), (311, 32513), (350, 32564), (390, 32603), (391, 32606), (399, 32618), (409, 32633), (424, 32657), (437, 32690), (467, 32771), (480, 32816), (497, 32864), (510, 32900), (514, 32909), (517, 32915), (609, 33140),

Gene: Squirty_20 Start: 19922, Stop: 21079, Start Num: 83
Candidate Starts for Squirty_20:
(Start: 83 @19922 has 436 MA's), (124, 20003), (Start: 135 @20030 has 1 MA's), (Start: 149 @20051 has 1 MA's), (181, 20111), (199, 20135), (201, 20141), (210, 20159), (216, 20171), (222, 20183), (227, 20195), (245, 20231), (259, 20255), (267, 20270), (272, 20279), (285, 20303), (293, 20318), (303, 20333), (379, 20417), (381, 20420), (393, 20441), (407, 20462), (414, 20471), (421, 20483), (426, 20492), (517, 20753), (537, 20822), (627, 21056),

Gene: StarStruck_46 Start: 35932, Stop: 36987, Start Num: 150
Candidate Starts for StarStruck_46:
(119, 35869), (Start: 150 @35932 has 30 MA's), (261, 36145), (368, 36304), (380, 36328), (500, 36616), (616, 36916), (627, 36961),

Gene: Stargaze_23 Start: 23284, Stop: 24429, Start Num: 83
Candidate Starts for Stargaze_23:
(8, 22495), (12, 22654), (16, 22762), (23, 22864), (67, 23260), (Start: 83 @23284 has 436 MA's), (Start: 135 @23395 has 1 MA's), (Start: 143 @23410 has 31 MA's), (209, 23521), (237, 23584), (247, 23599), (335, 23746), (343, 23761), (393, 23812), (415, 23845), (443, 23908), (462, 23959), (464, 23968), (523, 24136),

Gene: StevieRay_22 Start: 21290, Stop: 22327, Start Num: 146
Candidate Starts for StevieRay_22:
(Start: 131 @21266 has 18 MA's), (Start: 143 @21287 has 31 MA's), (Start: 146 @21290 has 97 MA's), (162, 21314), (232, 21452), (254, 21494), (293, 21563), (333, 21623), (369, 21668), (392, 21713), (437, 21794), (461, 21851), (468, 21875), (500, 21980), (525, 22052), (540, 22097), (616, 22262),

Gene: Stinger_28 Start: 31182, Stop: 32339, Start Num: 85
Candidate Starts for Stinger_28:
(17, 30657), (19, 30678), (Start: 85 @31182 has 4 MA's), (97, 31209), (Start: 135 @31290 has 1 MA's), (Start: 143 @31305 has 31 MA's), (Start: 152 @31317 has 1 MA's), (161, 31335), (222, 31443), (236, 31476), (240, 31485), (253, 31503), (267, 31530), (275, 31545), (280, 31551), (283, 31557), (299, 31581), (303, 31590), (306, 31599), (324, 31632), (350, 31665), (379, 31677), (383, 31683), (424, 31743), (429, 31755), (432, 31761), (458, 31827), (465, 31851), (468, 31860), (517, 32007), (578, 32160),

Gene: StinkyVeggy_34 Start: 32734, Stop: 34239, Start Num: 29
Candidate Starts for StinkyVeggy_34:

(Start: 29 @32734 has 11 MA's), (34, 32773), (48, 32845), (57, 32905), (60, 32923), (63, 32938), (Start: 180 @33190 has 3 MA's), (192, 33220), (201, 33238), (215, 33265), (227, 33292), (283, 33394), (304, 33433), (313, 33448), (350, 33523), (369, 33568), (371, 33574), (376, 33583), (432, 33679), (458, 33745), (469, 33781), (543, 33994), (596, 34105), (631, 34225),

Gene: Stormer_31 Start: 27117, Stop: 28214, Start Num: 148
Candidate Starts for Stormer_31:
(Start: 148 @27117 has 14 MA's), (210, 27231), (257, 27324), (277, 27357), (280, 27360), (281, 27363), (291, 27381), (293, 27384), (333, 27444), (371, 27495), (377, 27507), (384, 27519), (411, 27561), (454, 27657), (465, 27699), (538, 27933), (559, 27972), (595, 28059), (633, 28206),

Gene: StressBall_22 Start: 21561, Stop: 22601, Start Num: 141
Candidate Starts for StressBall_22:
(Start: 141 @21561 has 12 MA's), (230, 21720), (232, 21726), (254, 21768), (291, 21834), (293, 21837), (333, 21897), (369, 21942), (392, 21987), (437, 22068), (461, 22125), (468, 22149), (500, 22254), (525, 22326), (540, 22371),

Gene: Struggle_32 Start: 31925, Stop: 33085, Start Num: 83
Candidate Starts for Struggle_32:
(Start: 83 @31925 has 436 MA's), (Start: 135 @32036 has 1 MA's), (161, 32081), (218, 32180), (247, 32240), (267, 32276), (283, 32300), (306, 32345), (311, 32351), (350, 32402), (390, 32441), (391, 32444), (399, 32456), (409, 32471), (424, 32495), (437, 32528), (467, 32609), (497, 32702), (510, 32738), (514, 32747), (517, 32753), (609, 32978),

Gene: Stuck_21 Start: 21224, Stop: 22435, Start Num: 86
Candidate Starts for Stuck_21:
(Start: 86 @21224 has 22 MA's), (124, 21305), (Start: 149 @21353 has 1 MA's), (165, 21383), (181, 21413), (189, 21422), (199, 21437), (201, 21443), (210, 21461), (222, 21485), (227, 21497), (245, 21533), (267, 21572), (272, 21581), (285, 21605), (299, 21626), (303, 21635), (356, 21722), (361, 21743), (379, 21779), (381, 21782), (393, 21803), (421, 21845), (467, 21962), (474, 21998), (477, 22004), (517, 22109),

Gene: Suffolk_33 Start: 32374, Stop: 33534, Start Num: 83
Candidate Starts for Suffolk_33:
(Start: 83 @32374 has 436 MA's), (Start: 135 @32485 has 1 MA's), (161, 32530), (218, 32629), (247, 32689), (267, 32725), (283, 32749), (306, 32794), (311, 32800), (350, 32851), (390, 32890), (391, 32893), (399, 32905), (424, 32944), (437, 32977), (467, 33058), (480, 33103), (497, 33151), (510, 33187), (514, 33196), (517, 33202), (609, 33427),

Gene: Suigeneris_32 Start: 32591, Stop: 34096, Start Num: 29
Candidate Starts for Suigeneris_32:
(Start: 29 @32591 has 11 MA's), (30, 32609), (34, 32630), (42, 32684), (57, 32762), (60, 32780), (63, 32795), (65, 32807), (177, 33044), (201, 33095), (215, 33122), (227, 33149), (273, 33236), (283, 33251), (304, 33290), (350, 33380), (376, 33440), (442, 33563), (458, 33602), (469, 33638), (596, 33962), (631, 34082),

Gene: Sukkupi_46 Start: 34612, Stop: 35703, Start Num: 129
Candidate Starts for Sukkupi_46:
(Start: 129 @34612 has 10 MA's), (147, 34645), (198, 34741), (291, 34924), (338, 34993), (437, 35131), (442, 35143), (443, 35146),

Gene: SuperSonics_37 Start: 31769, Stop: 32809, Start Num: 152
Candidate Starts for SuperSonics_37:

(Start: 152 @31769 has 1 MA's), (194, 31847), (231, 31925), (371, 32138), (374, 32144), (425, 32222), (461, 32315), (469, 32342),

Gene: SuperSulley_46 Start: 36118, Stop: 37173, Start Num: 150
Candidate Starts for SuperSulley_46:
(Start: 150 @36118 has 30 MA's), (261, 36331), (380, 36514), (500, 36802), (627, 37147),

Gene: Surely_33 Start: 32377, Stop: 33537, Start Num: 83
Candidate Starts for Surely_33:
(Start: 83 @32377 has 436 MA's), (Start: 135 @32488 has 1 MA's), (161, 32533), (218, 32632), (247, 32692), (267, 32728), (283, 32752), (306, 32797), (311, 32803), (350, 32854), (390, 32893), (391, 32896), (399, 32908), (424, 32947), (437, 32980), (467, 33061), (480, 33106), (497, 33154), (510, 33190), (514, 33199), (517, 33205), (609, 33430),

Gene: SussRoloMann_27 Start: 23315, Stop: 24382, Start Num: 150
Candidate Starts for SussRoloMann_27:
(Start: 150 @23315 has 30 MA's), (265, 23525), (374, 23693), (450, 23834), (457, 23849), (461, 23861), (468, 23885), (492, 23969), (504, 24005), (548, 24116),

Gene: SwainyDoc_33 Start: 32217, Stop: 33419, Start Num: 83
Candidate Starts for SwainyDoc_33:
(Start: 83 @32217 has 436 MA's), (99, 32250), (177, 32394), (183, 32403), (188, 32412), (209, 32451), (214, 32460), (222, 32478), (230, 32496), (237, 32514), (240, 32520), (249, 32532), (259, 32550), (267, 32565), (287, 32598), (303, 32625), (332, 32670), (371, 32751), (386, 32778), (397, 32796), (409, 32814), (432, 32856), (441, 32880), (469, 32955), (473, 32985), (497, 33045), (500, 33057), (506, 33075), (545, 33177), (594, 33282), (596, 33288), (600, 33306), (626, 33393),

Gene: Swiphy_33 Start: 32372, Stop: 33532, Start Num: 83
Candidate Starts for Swiphy_33:
(Start: 83 @32372 has 436 MA's), (Start: 135 @32483 has 1 MA's), (161, 32528), (218, 32627), (247, 32687), (267, 32723), (283, 32747), (306, 32792), (311, 32798), (350, 32849), (390, 32888), (391, 32891), (399, 32903), (424, 32942), (437, 32975), (467, 33056), (497, 33149), (510, 33185), (514, 33194), (517, 33200), (609, 33425),

Gene: Swish_33 Start: 32360, Stop: 33520, Start Num: 83
Candidate Starts for Swish_33:
(Start: 83 @32360 has 436 MA's), (Start: 135 @32471 has 1 MA's), (161, 32516), (218, 32615), (247, 32675), (267, 32711), (283, 32735), (306, 32780), (311, 32786), (350, 32837), (390, 32876), (391, 32879), (399, 32891), (409, 32906), (424, 32930), (437, 32963), (467, 33044), (480, 33089), (497, 33137), (510, 33173), (514, 33182), (517, 33188), (609, 33413),

Gene: SynergyX_33 Start: 32223, Stop: 33425, Start Num: 83
Candidate Starts for SynergyX_33:
(Start: 83 @32223 has 436 MA's), (99, 32256), (177, 32400), (183, 32409), (188, 32418), (209, 32457), (214, 32466), (222, 32484), (230, 32502), (237, 32520), (240, 32526), (249, 32538), (259, 32556), (267, 32571), (287, 32604), (303, 32631), (332, 32676), (371, 32757), (386, 32784), (397, 32802), (409, 32820), (432, 32862), (441, 32886), (469, 32961), (473, 32991), (497, 33051), (500, 33063), (506, 33081), (545, 33183), (594, 33288), (596, 33294), (600, 33312), (626, 33399),

Gene: TA17A_34 Start: 32678, Stop: 33841, Start Num: 83
Candidate Starts for TA17A_34:
(Start: 79 @32672 has 10 MA's), (Start: 83 @32678 has 436 MA's), (102, 32717), (114, 32747), (Start: 135 @32792 has 1 MA's), (161, 32837), (218, 32936), (247, 32996), (267, 33032), (283, 33056), (306,

33101), (311, 33107), (350, 33158), (390, 33197), (391, 33200), (399, 33212), (424, 33251), (437, 33284), (467, 33365), (480, 33410), (497, 33458), (510, 33494), (514, 33503), (517, 33509), (609, 33734),

Gene: TallGrassMM_33 Start: 31999, Stop: 33159, Start Num: 83
Candidate Starts for TallGrassMM_33:
(Start: 83 @31999 has 436 MA's), (Start: 135 @32110 has 1 MA's), (161, 32155), (218, 32254), (247, 32314), (267, 32350), (283, 32374), (306, 32419), (311, 32425), (350, 32476), (390, 32515), (391, 32518), (399, 32530), (409, 32545), (424, 32569), (437, 32602), (467, 32683), (480, 32728), (497, 32776), (510, 32812), (514, 32821), (517, 32827), (609, 33052),

Gene: Tapioca_22 Start: 20223, Stop: 21437, Start Num: 131
Candidate Starts for Tapioca_22:
(38, 19893), (75, 20091), (Start: 130 @20220 has 6 MA's), (Start: 131 @20223 has 18 MA's), (268, 20484), (358, 20655), (439, 20805), (453, 20844), (488, 20946), (497, 20988), (619, 21360),

Gene: Taptic_25 Start: 29324, Stop: 30529, Start Num: 76
Candidate Starts for Taptic_25:
(Start: 74 @29321 has 2 MA's), (Start: 76 @29324 has 7 MA's), (109, 29393), (Start: 152 @29462 has 1 MA's), (170, 29492), (177, 29504), (181, 29510), (183, 29513), (188, 29522), (209, 29561), (214, 29570), (219, 29582), (247, 29639), (253, 29648), (259, 29660), (267, 29675), (293, 29720), (303, 29735), (332, 29780), (365, 29849), (379, 29876), (393, 29900), (423, 29945), (432, 29966), (441, 29990), (469, 30065), (473, 30095), (497, 30155), (500, 30167), (506, 30185), (545, 30287), (596, 30398), (600, 30416), (614, 30467), (626, 30503),

Gene: Taquito_27 Start: 24633, Stop: 25676, Start Num: 143
Candidate Starts for Taquito_27:
(Start: 143 @24633 has 31 MA's), (Start: 146 @24636 has 97 MA's), (272, 24876), (293, 24912), (300, 24921), (303, 24927), (333, 24972), (369, 25017), (377, 25035), (392, 25062), (437, 25143), (461, 25200), (468, 25224), (500, 25329), (525, 25401), (540, 25446),

Gene: Taraxa_32 Start: 31584, Stop: 32735, Start Num: 83
Candidate Starts for Taraxa_32:
(Start: 83 @31584 has 436 MA's), (Start: 135 @31695 has 1 MA's), (161, 31740), (218, 31839), (247, 31899), (267, 31935), (283, 31959), (306, 32004), (311, 32010), (350, 32061), (390, 32100), (391, 32103), (399, 32115), (424, 32154), (437, 32187), (467, 32268), (480, 32313), (497, 32361), (510, 32397), (514, 32406), (517, 32412), (609, 32637),

Gene: Teal_30 Start: 38566, Stop: 39468, Start Num: 217
Candidate Starts for Teal_30:
(Start: 217 @38566 has 25 MA's), (293, 38704), (337, 38773), (375, 38821), (422, 38884), (437, 38920), (493, 39088), (600, 39340), (627, 39445),

Gene: Techage_22 Start: 21290, Stop: 22327, Start Num: 146
Candidate Starts for Techage_22:
(Start: 131 @21266 has 18 MA's), (Start: 143 @21287 has 31 MA's), (Start: 146 @21290 has 97 MA's), (162, 21314), (232, 21452), (254, 21494), (293, 21563), (333, 21623), (369, 21668), (392, 21713), (437, 21794), (461, 21851), (468, 21875), (500, 21980), (525, 22052), (540, 22097), (616, 22262),

Gene: Telesworld_32 Start: 32072, Stop: 33232, Start Num: 83
Candidate Starts for Telesworld_32:

(Start: 83 @32072 has 436 MA's), (Start: 135 @32183 has 1 MA's), (161, 32228), (218, 32327), (247, 32387), (267, 32423), (283, 32447), (306, 32492), (311, 32498), (350, 32549), (390, 32588), (391, 32591), (399, 32603), (424, 32642), (437, 32675), (467, 32756), (480, 32801), (497, 32849), (510, 32885), (514, 32894), (517, 32900), (609, 33125),

Gene: Tessdabest_21 Start: 20220, Stop: 21434, Start Num: 131
Candidate Starts for Tessdabest_21:
(38, 19890), (75, 20088), (Start: 130 @20217 has 6 MA's), (Start: 131 @20220 has 18 MA's), (268, 20481), (358, 20652), (439, 20802), (453, 20841), (488, 20943), (497, 20985), (619, 21357),

Gene: Thespis_22 Start: 21299, Stop: 22336, Start Num: 146
Candidate Starts for Thespis_22:
(Start: 131 @21275 has 18 MA's), (Start: 143 @21296 has 31 MA's), (Start: 146 @21299 has 97 MA's), (162, 21323), (232, 21461), (254, 21503), (293, 21572), (333, 21632), (369, 21677), (392, 21722), (437, 21803), (461, 21860), (468, 21884), (500, 21989), (525, 22061), (540, 22106), (616, 22271),

Gene: Thonko_30 Start: 29614, Stop: 30771, Start Num: 80
Candidate Starts for Thonko_30:
(66, 29584), (Start: 80 @29614 has 12 MA's), (Start: 135 @29728 has 1 MA's), (201, 29845), (209, 29860), (214, 29869), (222, 29887), (230, 29905), (259, 29959), (311, 30049), (322, 30067), (340, 30085), (465, 30319), (468, 30328), (478, 30370), (511, 30460), (517, 30472),

Gene: Thora_33 Start: 32376, Stop: 33536, Start Num: 83
Candidate Starts for Thora_33:
(Start: 83 @32376 has 436 MA's), (Start: 135 @32487 has 1 MA's), (161, 32532), (218, 32631), (247, 32691), (267, 32727), (283, 32751), (306, 32796), (311, 32802), (350, 32853), (390, 32892), (391, 32895), (399, 32907), (424, 32946), (437, 32979), (467, 33060), (480, 33105), (497, 33153), (510, 33189), (514, 33198), (517, 33204), (609, 33429),

Gene: ThreeOh3D2_33 Start: 32374, Stop: 33534, Start Num: 83
Candidate Starts for ThreeOh3D2_33:
(Start: 83 @32374 has 436 MA's), (Start: 135 @32485 has 1 MA's), (161, 32530), (218, 32629), (247, 32689), (267, 32725), (283, 32749), (306, 32794), (311, 32800), (350, 32851), (390, 32890), (391, 32893), (399, 32905), (409, 32920), (424, 32944), (437, 32977), (467, 33058), (480, 33103), (497, 33151), (510, 33187), (514, 33196), (517, 33202), (609, 33427),

Gene: ThulaThula_22 Start: 21454, Stop: 22491, Start Num: 146
Candidate Starts for ThulaThula_22:
(Start: 146 @21454 has 97 MA's), (232, 21616), (258, 21667), (280, 21703), (300, 21730), (333, 21778), (376, 21835), (396, 21871), (467, 22024), (473, 22060), (500, 22132), (551, 22267), (576, 22321), (610, 22399),

Gene: Thunderbird_32 Start: 32080, Stop: 33240, Start Num: 83
Candidate Starts for Thunderbird_32:
(Start: 83 @32080 has 436 MA's), (Start: 135 @32191 has 1 MA's), (161, 32236), (218, 32335), (247, 32395), (267, 32431), (283, 32455), (306, 32500), (311, 32506), (350, 32557), (390, 32596), (391, 32599), (399, 32611), (409, 32626), (424, 32650), (437, 32683), (467, 32764), (497, 32857), (510, 32893), (514, 32902), (517, 32908), (609, 33133),

Gene: Thyatira_27 Start: 23933, Stop: 25000, Start Num: 146
Candidate Starts for Thyatira_27:

(Start: 146 @23933 has 97 MA's), (210, 24050), (236, 24107), (260, 24155), (264, 24161), (302, 24218), (303, 24221), (309, 24236), (323, 24263), (366, 24302), (369, 24305), (374, 24317), (376, 24320), (377, 24323), (385, 24338), (416, 24383), (420, 24389), (441, 24443), (461, 24491), (470, 24521), (484, 24566), (525, 24695), (546, 24749), (571, 24794),

Gene: Tillicus_32 Start: 28456, Stop: 29502, Start Num: 143
Candidate Starts for Tillicus_32:
(Start: 143 @28456 has 31 MA's), (Start: 179 @28513 has 1 MA's), (225, 28603), (231, 28612), (233, 28618), (237, 28627), (266, 28681), (398, 28897), (404, 28906), (430, 28945), (435, 28957), (461, 29026), (498, 29140), (506, 29167), (550, 29275),

Gene: Timmi_32 Start: 32085, Stop: 33245, Start Num: 83
Candidate Starts for Timmi_32:
(Start: 83 @32085 has 436 MA's), (Start: 135 @32196 has 1 MA's), (161, 32241), (218, 32340), (247, 32400), (267, 32436), (283, 32460), (306, 32505), (311, 32511), (350, 32562), (390, 32601), (391, 32604), (399, 32616), (424, 32655), (437, 32688), (467, 32769), (480, 32814), (497, 32862), (510, 32898), (514, 32907), (517, 32913), (609, 33138),

Gene: Tinciduntsolum_34 Start: 32810, Stop: 33979, Start Num: 79
Candidate Starts for Tinciduntsolum_34:
(46, 32669), (Start: 79 @32810 has 10 MA's), (Start: 83 @32816 has 436 MA's), (102, 32855), (114, 32885), (Start: 135 @32930 has 1 MA's), (161, 32975), (218, 33074), (247, 33134), (267, 33170), (283, 33194), (306, 33239), (311, 33245), (350, 33296), (390, 33335), (391, 33338), (399, 33350), (409, 33365), (424, 33389), (437, 33422), (467, 33503), (497, 33596), (510, 33632), (514, 33641), (517, 33647), (537, 33707), (609, 33872),

Gene: TinyTerror_33 Start: 32208, Stop: 33410, Start Num: 83
Candidate Starts for TinyTerror_33:
(Start: 83 @32208 has 436 MA's), (177, 32385), (183, 32394), (188, 32403), (209, 32442), (214, 32451), (222, 32469), (247, 32520), (253, 32529), (259, 32541), (262, 32547), (267, 32556), (293, 32601), (303, 32616), (332, 32661), (356, 32700), (365, 32730), (372, 32745), (379, 32757), (393, 32781), (423, 32826), (432, 32847), (441, 32871), (469, 32946), (473, 32976), (497, 33036), (500, 33048), (506, 33066), (545, 33168), (594, 33273), (596, 33279), (600, 33297), (626, 33384),

Gene: TomBombadil_33 Start: 32370, Stop: 33530, Start Num: 83
Candidate Starts for TomBombadil_33:
(Start: 83 @32370 has 436 MA's), (Start: 135 @32481 has 1 MA's), (161, 32526), (218, 32625), (247, 32685), (267, 32721), (283, 32745), (306, 32790), (311, 32796), (350, 32847), (390, 32886), (391, 32889), (399, 32901), (409, 32916), (424, 32940), (437, 32973), (467, 33054), (497, 33147), (510, 33183), (514, 33192), (517, 33198), (609, 33423),

Gene: Tomlarah_33 Start: 32361, Stop: 33521, Start Num: 83
Candidate Starts for Tomlarah_33:
(Start: 83 @32361 has 436 MA's), (Start: 135 @32472 has 1 MA's), (161, 32517), (218, 32616), (247, 32676), (267, 32712), (283, 32736), (306, 32781), (311, 32787), (350, 32838), (390, 32877), (391, 32880), (399, 32892), (409, 32907), (424, 32931), (437, 32964), (467, 33045), (480, 33090), (497, 33138), (510, 33174), (514, 33183), (517, 33189), (609, 33414),

Gene: Toni_32 Start: 32077, Stop: 33237, Start Num: 83
Candidate Starts for Toni_32:
(Start: 83 @32077 has 436 MA's), (Start: 135 @32188 has 1 MA's), (161, 32233), (218, 32332), (247, 32392), (267, 32428), (283, 32452), (306, 32497), (311, 32503), (350, 32554), (390, 32593), (391, 32596), (399, 32608), (409, 32623), (424, 32647), (437, 32680), (467, 32761), (480, 32806), (497,

32854), (510, 32890), (514, 32899), (517, 32905), (609, 33130),

Gene: TooFast2Furius_34 Start: 32606, Stop: 33766, Start Num: 83
Candidate Starts for TooFast2Furius_34:
(Start: 83 @32606 has 436 MA's), (Start: 135 @32717 has 1 MA's), (161, 32762), (218, 32861), (247, 32921), (267, 32957), (283, 32981), (306, 33026), (311, 33032), (350, 33083), (390, 33122), (391, 33125), (399, 33137), (409, 33152), (424, 33176), (437, 33209), (467, 33290), (480, 33335), (497, 33383), (510, 33419), (514, 33428), (517, 33434), (609, 33659),

Gene: Tooj_33 Start: 32434, Stop: 33594, Start Num: 83
Candidate Starts for Tooj_33:
(Start: 83 @32434 has 436 MA's), (Start: 135 @32545 has 1 MA's), (161, 32590), (218, 32689), (247, 32749), (267, 32785), (283, 32809), (306, 32854), (311, 32860), (350, 32911), (390, 32950), (391, 32953), (399, 32965), (424, 33004), (437, 33037), (467, 33118), (480, 33163), (497, 33211), (510, 33247), (514, 33256), (517, 33262), (609, 33487),

Gene: Tortellini_22 Start: 21866, Stop: 22936, Start Num: 146
Candidate Starts for Tortellini_22:
(Start: 146 @21866 has 97 MA's), (272, 22106), (293, 22142), (300, 22151), (303, 22157), (333, 22202), (369, 22247), (377, 22265), (392, 22292), (437, 22373), (468, 22454), (516, 22592), (517, 22595),

Gene: Tortoise12_22 Start: 20223, Stop: 21437, Start Num: 131
Candidate Starts for Tortoise12_22:
(38, 19893), (75, 20091), (Start: 130 @20220 has 6 MA's), (Start: 131 @20223 has 18 MA's), (268, 20484), (358, 20655), (439, 20805), (453, 20844), (488, 20946), (497, 20988), (619, 21360),

Gene: Towmatter_36 Start: 34440, Stop: 35507, Start Num: 148
Candidate Starts for Towmatter_36:
(Start: 148 @34440 has 14 MA's), (339, 34785), (372, 34830), (389, 34860), (509, 35151), (511, 35157), (518, 35175), (538, 35241), (540, 35244), (553, 35262), (573, 35310), (632, 35496),

Gene: TpudiCK_32 Start: 26991, Stop: 28046, Start Num: 146
Candidate Starts for TpudiCK_32:
(Start: 146 @26991 has 97 MA's), (258, 27204), (280, 27240), (317, 27303), (376, 27375), (392, 27405), (406, 27426), (430, 27462), (441, 27498), (461, 27546), (467, 27567), (469, 27573), (473, 27603), (475, 27606), (493, 27654), (569, 27843), (576, 27864), (599, 27918),

Gene: Tres_33 Start: 32691, Stop: 33854, Start Num: 83
Candidate Starts for Tres_33:
(46, 32544), (Start: 79 @32685 has 10 MA's), (Start: 83 @32691 has 436 MA's), (102, 32730), (114, 32760), (Start: 135 @32805 has 1 MA's), (161, 32850), (218, 32949), (247, 33009), (267, 33045), (283, 33069), (306, 33114), (311, 33120), (350, 33171), (390, 33210), (391, 33213), (399, 33225), (409, 33240), (424, 33264), (437, 33297), (467, 33378), (497, 33471), (510, 33507), (514, 33516), (517, 33522), (609, 33747),

Gene: TriFive_22 Start: 22247, Stop: 23464, Start Num: 91
Candidate Starts for TriFive_22:
(Start: 91 @22247 has 34 MA's), (133, 22349), (140, 22361), (Start: 152 @22379 has 1 MA's), (157, 22388), (177, 22427), (201, 22463), (209, 22478), (211, 22484), (225, 22514), (227, 22517), (244, 22553), (250, 22565), (283, 22616), (284, 22619), (318, 22679), (329, 22706), (337, 22721), (342, 22727), (350, 22739), (379, 22799), (393, 22823), (432, 22883), (468, 22979), (473, 23012), (500, 23084), (510, 23108), (606, 23336), (609, 23348),

Gene: Triad_33 Start: 31238, Stop: 32398, Start Num: 83
Candidate Starts for Triad_33:
(Start: 83 @31238 has 436 MA's), (Start: 135 @31349 has 1 MA's), (161, 31394), (218, 31493), (247, 31553), (267, 31589), (283, 31613), (306, 31658), (311, 31664), (350, 31715), (390, 31754), (391, 31757), (399, 31769), (424, 31808), (437, 31841), (467, 31922), (497, 32015), (510, 32051), (514, 32060), (517, 32066), (609, 32291),

Gene: True_32 Start: 32074, Stop: 33234, Start Num: 83
Candidate Starts for True_32:
(Start: 83 @32074 has 436 MA's), (Start: 135 @32185 has 1 MA's), (161, 32230), (218, 32329), (247, 32389), (267, 32425), (283, 32449), (306, 32494), (311, 32500), (350, 32551), (390, 32590), (391, 32593), (399, 32605), (409, 32620), (424, 32644), (437, 32677), (467, 32758), (480, 32803), (497, 32851), (510, 32887), (514, 32896), (517, 32902), (609, 33127),

Gene: Trypo_33 Start: 32370, Stop: 33530, Start Num: 83
Candidate Starts for Trypo_33:
(Start: 83 @32370 has 436 MA's), (Start: 135 @32481 has 1 MA's), (161, 32526), (218, 32625), (247, 32685), (267, 32721), (283, 32745), (306, 32790), (311, 32796), (350, 32847), (390, 32886), (391, 32889), (399, 32901), (409, 32916), (424, 32940), (437, 32973), (467, 33054), (480, 33099), (497, 33147), (510, 33183), (514, 33192), (517, 33198), (609, 33423),

Gene: TyDawg_31 Start: 26992, Stop: 28047, Start Num: 146
Candidate Starts for TyDawg_31:
(Start: 146 @26992 has 97 MA's), (258, 27205), (280, 27241), (317, 27304), (376, 27376), (392, 27406), (406, 27427), (430, 27463), (441, 27499), (461, 27547), (467, 27568), (469, 27574), (473, 27604), (475, 27607), (493, 27655), (569, 27844), (576, 27865), (599, 27919),

Gene: Tydolla_33 Start: 32957, Stop: 34159, Start Num: 83
Candidate Starts for Tydolla_33:
(Start: 83 @32957 has 436 MA's), (99, 32990), (177, 33134), (183, 33143), (188, 33152), (209, 33191), (214, 33200), (222, 33218), (247, 33269), (253, 33278), (259, 33290), (262, 33296), (267, 33305), (293, 33350), (303, 33365), (332, 33410), (356, 33449), (365, 33479), (372, 33494), (379, 33506), (393, 33530), (423, 33575), (432, 33596), (441, 33620), (469, 33695), (473, 33725), (497, 33785), (500, 33797), (506, 33815), (545, 33917), (594, 34022), (596, 34028), (600, 34046), (626, 34133),

Gene: Typha_28 Start: 26025, Stop: 27062, Start Num: 146
Candidate Starts for Typha_28:
(Start: 146 @26025 has 97 MA's), (214, 26148), (238, 26202), (258, 26238), (300, 26301), (333, 26349), (374, 26403), (376, 26406), (467, 26592), (473, 26628), (490, 26670), (497, 26688), (517, 26739),

Gene: TyrionL_32 Start: 31933, Stop: 33093, Start Num: 83
Candidate Starts for TyrionL_32:
(Start: 83 @31933 has 436 MA's), (Start: 135 @32044 has 1 MA's), (161, 32089), (218, 32188), (247, 32248), (267, 32284), (283, 32308), (306, 32353), (311, 32359), (350, 32410), (390, 32449), (391, 32452), (399, 32464), (409, 32479), (424, 32503), (437, 32536), (467, 32617), (480, 32662), (497, 32710), (510, 32746), (514, 32755), (517, 32761), (609, 32986),

Gene: Tyson_21 Start: 21688, Stop: 22860, Start Num: 91
Candidate Starts for Tyson_21:
(Start: 89 @21685 has 7 MA's), (Start: 91 @21688 has 34 MA's), (Start: 149 @21814 has 1 MA's), (173, 21856), (177, 21868), (Start: 180 @21871 has 3 MA's), (201, 21904), (206, 21916), (230, 21964),

(237, 21982), (259, 22018), (267, 22033), (298, 22084), (315, 22114), (334, 22156), (352, 22180), (401, 22216), (405, 22222), (423, 22249), (432, 22267), (469, 22360), (470, 22363), (494, 22447), (547, 22585), (557, 22603), (593, 22687),

Gene: UAch1_33 Start: 32383, Stop: 33543, Start Num: 83
Candidate Starts for UAch1_33:
(Start: 83 @32383 has 436 MA's), (Start: 135 @32494 has 1 MA's), (161, 32539), (218, 32638), (247, 32698), (267, 32734), (283, 32758), (306, 32803), (311, 32809), (350, 32860), (390, 32899), (391, 32902), (399, 32914), (424, 32953), (437, 32986), (467, 33067), (480, 33112), (497, 33160), (510, 33196), (514, 33205), (517, 33211), (609, 33436),

Gene: UPIE_21 Start: 21683, Stop: 22858, Start Num: 89
Candidate Starts for UPIE_21:
(Start: 89 @21683 has 7 MA's), (Start: 91 @21686 has 34 MA's), (Start: 149 @21812 has 1 MA's), (173, 21854), (177, 21866), (Start: 180 @21869 has 3 MA's), (201, 21902), (206, 21914), (230, 21962), (237, 21980), (259, 22016), (267, 22031), (298, 22082), (315, 22112), (334, 22154), (352, 22178), (401, 22214), (405, 22220), (423, 22247), (432, 22265), (469, 22358), (470, 22361), (494, 22445), (547, 22583), (557, 22601), (593, 22685),

Gene: Ubuntu_27 Start: 23371, Stop: 24609, Start Num: 83
Candidate Starts for Ubuntu_27:
(13, 22759), (14, 22825), (20, 22915), (21, 22918), (28, 23068), (36, 23155), (37, 23158), (59, 23296), (Start: 83 @23371 has 436 MA's), (126, 23467), (138, 23494), (Start: 141 @23500 has 12 MA's), (163, 23539), (167, 23548), (195, 23593), (201, 23605), (220, 23644), (249, 23701), (278, 23752), (286, 23767), (306, 23806), (325, 23839), (341, 23860), (345, 23866), (360, 23902), (365, 23914), (367, 23917), (393, 23965), (397, 23971), (399, 23974), (405, 23983), (467, 24121), (497, 24214), (519, 24271), (520, 24277), (553, 24361), (558, 24376), (560, 24379), (591, 24445), (598, 24478),

Gene: UncleHowie_33 Start: 32073, Stop: 33233, Start Num: 83
Candidate Starts for UncleHowie_33:
(Start: 83 @32073 has 436 MA's), (Start: 135 @32184 has 1 MA's), (161, 32229), (218, 32328), (247, 32388), (267, 32424), (283, 32448), (306, 32493), (311, 32499), (350, 32550), (390, 32589), (391, 32592), (399, 32604), (409, 32619), (424, 32643), (437, 32676), (467, 32757), (480, 32802), (497, 32850), (510, 32886), (514, 32895), (517, 32901), (609, 33126),

Gene: Usavi_33 Start: 32374, Stop: 33534, Start Num: 83
Candidate Starts for Usavi_33:
(Start: 83 @32374 has 436 MA's), (Start: 135 @32485 has 1 MA's), (161, 32530), (218, 32629), (247, 32689), (267, 32725), (283, 32749), (306, 32794), (311, 32800), (350, 32851), (390, 32890), (391, 32893), (399, 32905), (409, 32920), (424, 32944), (437, 32977), (467, 33058), (480, 33103), (497, 33151), (510, 33187), (514, 33196), (517, 33202), (609, 33427),

Gene: Vaishali24_32 Start: 32035, Stop: 33195, Start Num: 83
Candidate Starts for Vaishali24_32:
(Start: 83 @32035 has 436 MA's), (Start: 135 @32146 has 1 MA's), (161, 32191), (218, 32290), (247, 32350), (267, 32386), (283, 32410), (306, 32455), (311, 32461), (350, 32512), (390, 32551), (391, 32554), (399, 32566), (424, 32605), (437, 32638), (467, 32719), (480, 32764), (497, 32812), (510, 32848), (514, 32857), (517, 32863), (609, 33088),

Gene: Valjean_33 Start: 32366, Stop: 33526, Start Num: 83
Candidate Starts for Valjean_33:
(Start: 83 @32366 has 436 MA's), (Start: 135 @32477 has 1 MA's), (161, 32522), (218, 32621), (247, 32681), (267, 32717), (283, 32741), (306, 32786), (311, 32792), (350, 32843), (390, 32882), (391,

32885), (399, 32897), (424, 32936), (437, 32969), (467, 33050), (480, 33095), (497, 33143), (510, 33179), (514, 33188), (517, 33194), (609, 33419),

Gene: Vanisoa_31 Start: 24621, Stop: 25826, Start Num: 89
Candidate Starts for Vanisoa_31:
(Start: 89 @24621 has 7 MA's), (169, 24786), (175, 24798), (177, 24804), (Start: 180 @24807 has 3 MA's), (233, 24909), (250, 24942), (293, 25014), (306, 25038), (320, 25062), (361, 25146), (467, 25353), (468, 25356), (473, 25389), (517, 25500), (578, 25656),

Gene: Vaticameos_33 Start: 32064, Stop: 33224, Start Num: 83
Candidate Starts for Vaticameos_33:
(Start: 83 @32064 has 436 MA's), (Start: 135 @32175 has 1 MA's), (161, 32220), (218, 32319), (247, 32379), (267, 32415), (283, 32439), (306, 32484), (311, 32490), (350, 32541), (390, 32580), (391, 32583), (399, 32595), (409, 32610), (424, 32634), (437, 32667), (467, 32748), (480, 32793), (497, 32841), (510, 32877), (514, 32886), (517, 32892), (609, 33117),

Gene: Vectra_32 Start: 31936, Stop: 33096, Start Num: 83
Candidate Starts for Vectra_32:
(Start: 83 @31936 has 436 MA's), (Start: 135 @32047 has 1 MA's), (161, 32092), (218, 32191), (247, 32251), (267, 32287), (283, 32311), (306, 32356), (311, 32362), (350, 32413), (390, 32452), (391, 32455), (399, 32467), (424, 32506), (437, 32539), (467, 32620), (480, 32665), (497, 32713), (510, 32749), (514, 32758), (517, 32764), (609, 32989),

Gene: Velveteen_20 Start: 20087, Stop: 21244, Start Num: 80
Candidate Starts for Velveteen_20:
(Start: 80 @20087 has 12 MA's), (Start: 86 @20090 has 22 MA's), (Start: 149 @20219 has 1 MA's), (165, 20249), (181, 20279), (189, 20288), (199, 20303), (210, 20327), (222, 20351), (227, 20363), (267, 20438), (272, 20447), (285, 20471), (303, 20501), (379, 20585), (381, 20588), (393, 20609), (493, 20858), (497, 20867), (506, 20897), (517, 20918), (537, 20987), (627, 21221),

Gene: Venti_22 Start: 21299, Stop: 22336, Start Num: 146
Candidate Starts for Venti_22:
(Start: 131 @21275 has 18 MA's), (Start: 143 @21296 has 31 MA's), (Start: 146 @21299 has 97 MA's), (162, 21323), (232, 21461), (254, 21503), (293, 21572), (333, 21632), (369, 21677), (392, 21722), (437, 21803), (461, 21860), (468, 21884), (500, 21989), (525, 22061), (540, 22106), (616, 22271),

Gene: Veritas_32 Start: 31936, Stop: 33096, Start Num: 83
Candidate Starts for Veritas_32:
(Start: 83 @31936 has 436 MA's), (Start: 135 @32047 has 1 MA's), (161, 32092), (218, 32191), (247, 32251), (267, 32287), (283, 32311), (306, 32356), (311, 32362), (350, 32413), (390, 32452), (391, 32455), (399, 32467), (424, 32506), (437, 32539), (467, 32620), (497, 32713), (510, 32749), (514, 32758), (517, 32764), (609, 32989),

Gene: Vic9_00033 Start: 33132, Stop: 34337, Start Num: 76
Candidate Starts for Vic9_00033:
(45, 32988), (Start: 74 @33129 has 2 MA's), (Start: 76 @33132 has 7 MA's), (109, 33201), (Start: 152 @33270 has 1 MA's), (170, 33300), (177, 33312), (181, 33318), (183, 33321), (188, 33330), (209, 33369), (214, 33378), (219, 33390), (247, 33447), (253, 33456), (259, 33468), (267, 33483), (293, 33528), (303, 33543), (332, 33588), (365, 33657), (379, 33684), (393, 33708), (424, 33756), (427, 33762), (432, 33774), (441, 33798), (469, 33873), (473, 33903), (497, 33963), (500, 33975), (506, 33993), (543, 34092), (545, 34095), (594, 34200), (596, 34206), (611, 34272), (614, 34275),

Gene: Vidya_22 Start: 21299, Stop: 22336, Start Num: 146
Candidate Starts for Vidya_22:
(Start: 131 @21275 has 18 MA's), (Start: 143 @21296 has 31 MA's), (Start: 146 @21299 has 97 MA's), (162, 21323), (232, 21461), (254, 21503), (293, 21572), (333, 21632), (369, 21677), (392, 21722), (437, 21803), (461, 21860), (468, 21884), (500, 21989), (525, 22061), (540, 22106), (616, 22271),

Gene: Vincenzo_31 Start: 33326, Stop: 34483, Start Num: 85
Candidate Starts for Vincenzo_31:
(Start: 85 @33326 has 4 MA's), (Start: 128 @33419 has 1 MA's), (Start: 135 @33434 has 1 MA's), (Start: 143 @33449 has 31 MA's), (Start: 152 @33461 has 1 MA's), (161, 33479), (214, 33569), (236, 33620), (240, 33629), (253, 33647), (267, 33674), (275, 33689), (280, 33695), (283, 33701), (303, 33734), (306, 33743), (324, 33776), (350, 33809), (379, 33821), (403, 33854), (414, 33869), (429, 33899), (432, 33905), (458, 33971), (465, 33995), (468, 34004), (517, 34151), (578, 34304),

Gene: VioletZ_30 Start: 32678, Stop: 33835, Start Num: 83
Candidate Starts for VioletZ_30:
(Start: 83 @32678 has 436 MA's), (Start: 128 @32771 has 1 MA's), (Start: 135 @32786 has 1 MA's), (Start: 143 @32801 has 31 MA's), (Start: 152 @32813 has 1 MA's), (161, 32831), (188, 32873), (214, 32921), (236, 32972), (240, 32981), (253, 32999), (267, 33026), (275, 33041), (280, 33047), (283, 33053), (285, 33059), (303, 33086), (306, 33095), (324, 33128), (350, 33161), (414, 33221), (429, 33251), (432, 33257), (449, 33302), (468, 33356), (469, 33359), (517, 33503), (578, 33656),

Gene: Virapocalypse_33 Start: 32361, Stop: 33521, Start Num: 83
Candidate Starts for Virapocalypse_33:
(Start: 83 @32361 has 436 MA's), (Start: 135 @32472 has 1 MA's), (161, 32517), (218, 32616), (247, 32676), (267, 32712), (283, 32736), (306, 32781), (311, 32787), (350, 32838), (390, 32877), (391, 32880), (399, 32892), (424, 32931), (437, 32964), (467, 33045), (480, 33090), (497, 33138), (510, 33174), (514, 33183), (517, 33189), (609, 33414),

Gene: Virgeve_32 Start: 32141, Stop: 33301, Start Num: 83
Candidate Starts for Virgeve_32:
(Start: 83 @32141 has 436 MA's), (Start: 135 @32252 has 1 MA's), (161, 32297), (218, 32396), (247, 32456), (267, 32492), (283, 32516), (306, 32561), (311, 32567), (350, 32618), (390, 32657), (391, 32660), (399, 32672), (424, 32711), (437, 32744), (467, 32825), (480, 32870), (497, 32918), (510, 32954), (514, 32963), (517, 32969), (609, 33194),

Gene: Vista_33 Start: 32374, Stop: 33534, Start Num: 83
Candidate Starts for Vista_33:
(Start: 83 @32374 has 436 MA's), (Start: 135 @32485 has 1 MA's), (161, 32530), (218, 32629), (247, 32689), (267, 32725), (283, 32749), (306, 32794), (311, 32800), (350, 32851), (390, 32890), (391, 32893), (399, 32905), (409, 32920), (424, 32944), (437, 32977), (467, 33058), (480, 33103), (497, 33151), (510, 33187), (514, 33196), (517, 33202), (609, 33427),

Gene: Vivaldi_33 Start: 32403, Stop: 33563, Start Num: 83
Candidate Starts for Vivaldi_33:
(Start: 83 @32403 has 436 MA's), (Start: 135 @32514 has 1 MA's), (161, 32559), (218, 32658), (247, 32718), (267, 32754), (283, 32778), (306, 32823), (311, 32829), (350, 32880), (390, 32919), (391, 32922), (399, 32934), (424, 32973), (437, 33006), (467, 33087), (480, 33132), (497, 33180), (510, 33216), (514, 33225), (517, 33231), (609, 33456),

Gene: ViviJ_26 Start: 23840, Stop: 24904, Start Num: 146
Candidate Starts for ViviJ_26:

(Start: 146 @23840 has 97 MA's), (197, 23930), (210, 23957), (238, 24020), (264, 24068), (289, 24107), (302, 24125), (323, 24170), (366, 24209), (392, 24257), (404, 24275), (441, 24350), (468, 24416), (494, 24506), (495, 24509), (497, 24512), (508, 24545), (542, 24644), (544, 24647), (581, 24731), (587, 24743), (624, 24860),

Gene: Vordorf_31 Start: 26927, Stop: 27976, Start Num: 148
Candidate Starts for Vordorf_31:
(Start: 148 @26927 has 14 MA's), (234, 27092), (258, 27137), (303, 27215), (374, 27329), (416, 27392), (437, 27443), (450, 27473), (461, 27500), (561, 27776),

Gene: Vortex_33 Start: 32080, Stop: 33240, Start Num: 83
Candidate Starts for Vortex_33:
(Start: 83 @32080 has 436 MA's), (Start: 135 @32191 has 1 MA's), (161, 32236), (218, 32335), (247, 32395), (267, 32431), (283, 32455), (306, 32500), (311, 32506), (350, 32557), (390, 32596), (391, 32599), (399, 32611), (424, 32650), (437, 32683), (467, 32764), (480, 32809), (497, 32857), (510, 32893), (514, 32902), (517, 32908), (609, 33133),

Gene: WST1_22 Start: 19043, Stop: 20098, Start Num: 146
Candidate Starts for WST1_22:
(Start: 146 @19043 has 97 MA's), (210, 19160), (303, 19334), (385, 19451), (389, 19457), (468, 19622), (497, 19715), (516, 19763), (525, 19799), (561, 19892),

Gene: Waleliano_30 Start: 32605, Stop: 33762, Start Num: 83
Candidate Starts for Waleliano_30:
(Start: 83 @32605 has 436 MA's), (Start: 128 @32698 has 1 MA's), (Start: 135 @32713 has 1 MA's), (Start: 143 @32728 has 31 MA's), (Start: 152 @32740 has 1 MA's), (161, 32758), (188, 32800), (236, 32899), (240, 32908), (253, 32926), (267, 32953), (275, 32968), (280, 32974), (283, 32980), (285, 32986), (303, 33013), (306, 33022), (324, 33055), (350, 33088), (414, 33148), (429, 33178), (432, 33184), (440, 33205), (449, 33229), (468, 33283), (469, 33286), (578, 33583),

Gene: Wallhey_32 Start: 31937, Stop: 33097, Start Num: 83
Candidate Starts for Wallhey_32:
(Start: 83 @31937 has 436 MA's), (Start: 135 @32048 has 1 MA's), (161, 32093), (218, 32192), (247, 32252), (267, 32288), (283, 32312), (306, 32357), (311, 32363), (350, 32414), (390, 32453), (391, 32456), (399, 32468), (409, 32483), (424, 32507), (437, 32540), (467, 32621), (480, 32666), (497, 32714), (510, 32750), (514, 32759), (517, 32765), (609, 32990),

Gene: Wamburgrxpress_21 Start: 21701, Stop: 22873, Start Num: 91
Candidate Starts for Wamburgrxpress_21:
(Start: 89 @21698 has 7 MA's), (Start: 91 @21701 has 34 MA's), (Start: 149 @21827 has 1 MA's), (173, 21869), (177, 21881), (Start: 180 @21884 has 3 MA's), (201, 21917), (206, 21929), (230, 21977), (237, 21995), (259, 22031), (267, 22046), (298, 22097), (315, 22127), (334, 22169), (352, 22193), (401, 22229), (405, 22235), (423, 22262), (432, 22280), (469, 22373), (470, 22376), (494, 22460), (547, 22598), (557, 22616), (593, 22700),

Gene: Waterdiva_33 Start: 32366, Stop: 33526, Start Num: 83
Candidate Starts for Waterdiva_33:
(Start: 83 @32366 has 436 MA's), (Start: 135 @32477 has 1 MA's), (161, 32522), (218, 32621), (247, 32681), (267, 32717), (283, 32741), (306, 32786), (311, 32792), (350, 32843), (390, 32882), (391, 32885), (399, 32897), (409, 32912), (424, 32936), (437, 32969), (467, 33050), (480, 33095), (497, 33143), (510, 33179), (514, 33188), (517, 33194), (609, 33419),

Gene: Waterfoul_27 Start: 23954, Stop: 25021, Start Num: 146

Candidate Starts for Waterfoul_27:
(Start: 146 @23954 has 97 MA's), (210, 24071), (260, 24176), (264, 24182), (303, 24242), (309, 24257), (323, 24284), (366, 24323), (369, 24326), (374, 24338), (376, 24341), (377, 24344), (385, 24359), (416, 24404), (420, 24410), (441, 24464), (461, 24512), (470, 24542), (484, 24587), (525, 24716), (546, 24770),

Gene: Webster2_27 Start: 23371, Stop: 24609, Start Num: 83
Candidate Starts for Webster2_27:
(13, 22759), (14, 22825), (20, 22915), (21, 22918), (28, 23068), (36, 23155), (37, 23158), (59, 23296), (Start: 83 @23371 has 436 MA's), (126, 23467), (138, 23494), (Start: 141 @23500 has 12 MA's), (163, 23539), (167, 23548), (195, 23593), (201, 23605), (220, 23644), (249, 23701), (278, 23752), (286, 23767), (306, 23806), (325, 23839), (341, 23860), (345, 23866), (360, 23902), (365, 23914), (367, 23917), (393, 23965), (397, 23971), (399, 23974), (405, 23983), (467, 24121), (497, 24214), (519, 24271), (520, 24277), (553, 24361), (558, 24376), (560, 24379), (591, 24445), (598, 24478),

Gene: Weher20_33 Start: 32365, Stop: 33525, Start Num: 83
Candidate Starts for Weher20_33:
(Start: 83 @32365 has 436 MA's), (Start: 135 @32476 has 1 MA's), (161, 32521), (218, 32620), (247, 32680), (267, 32716), (283, 32740), (306, 32785), (311, 32791), (350, 32842), (390, 32881), (391, 32884), (399, 32896), (424, 32935), (437, 32968), (467, 33049), (497, 33142), (510, 33178), (514, 33187), (517, 33193), (609, 33418),

Gene: West99_33 Start: 32811, Stop: 33974, Start Num: 83
Candidate Starts for West99_33:
(46, 32664), (Start: 79 @32805 has 10 MA's), (Start: 83 @32811 has 436 MA's), (102, 32850), (114, 32880), (Start: 135 @32925 has 1 MA's), (161, 32970), (218, 33069), (247, 33129), (267, 33165), (283, 33189), (306, 33234), (311, 33240), (350, 33291), (390, 33330), (391, 33333), (399, 33345), (409, 33360), (424, 33384), (437, 33417), (467, 33498), (480, 33543), (497, 33591), (510, 33627), (514, 33636), (517, 33642), (609, 33867),

Gene: WheatThin_27 Start: 23315, Stop: 24382, Start Num: 150
Candidate Starts for WheatThin_27:
(Start: 150 @23315 has 30 MA's), (265, 23525), (374, 23693), (450, 23834), (457, 23849), (461, 23861), (468, 23885), (492, 23969), (548, 24116),

Gene: Whirlwind_23 Start: 22004, Stop: 23203, Start Num: 91
Candidate Starts for Whirlwind_23:
(Start: 91 @22004 has 34 MA's), (Start: 152 @22136 has 1 MA's), (177, 22184), (204, 22229), (209, 22235), (225, 22271), (244, 22310), (247, 22316), (250, 22322), (275, 22364), (318, 22436), (342, 22484), (350, 22496), (354, 22502), (387, 22571), (432, 22640), (467, 22733), (473, 22769), (494, 22823), (500, 22841), (580, 23033), (618, 23141),

Gene: WhoseManz_46 Start: 32658, Stop: 33761, Start Num: 129
Candidate Starts for WhoseManz_46:
(Start: 129 @32658 has 10 MA's), (147, 32691), (198, 32787), (291, 32970), (437, 33177), (441, 33186), (467, 33255), (468, 33258), (492, 33342), (513, 33393), (553, 33495), (593, 33579), (594, 33588), (595, 33591),

Gene: Willsammy_22 Start: 21571, Stop: 22605, Start Num: 141
Candidate Starts for Willsammy_22:
(Start: 141 @21571 has 12 MA's), (230, 21727), (232, 21733), (291, 21841), (293, 21844), (303, 21859), (369, 21946), (392, 21991), (437, 22072), (461, 22129), (468, 22153), (500, 22258), (525, 22330), (540, 22375),

Gene: Windsor_32 Start: 32070, Stop: 33230, Start Num: 83
Candidate Starts for Windsor_32:
(Start: 83 @32070 has 436 MA's), (Start: 135 @32181 has 1 MA's), (161, 32226), (218, 32325), (247, 32385), (267, 32421), (283, 32445), (306, 32490), (311, 32496), (350, 32547), (390, 32586), (391, 32589), (399, 32601), (424, 32640), (437, 32673), (467, 32754), (480, 32799), (497, 32847), (510, 32883), (514, 32892), (517, 32898), (609, 33123),

Gene: Wintermute_29 Start: 24585, Stop: 25589, Start Num: 178
Candidate Starts for Wintermute_29:
(Start: 178 @24585 has 14 MA's), (219, 24654), (275, 24753), (304, 24798), (341, 24858), (347, 24867), (362, 24903), (385, 24948), (399, 24969), (403, 24975), (405, 24978), (467, 25110), (468, 25113), (506, 25236), (517, 25257), (616, 25524),

Gene: Wishmaker_27 Start: 23371, Stop: 24609, Start Num: 83
Candidate Starts for Wishmaker_27:
(13, 22759), (14, 22825), (20, 22915), (21, 22918), (28, 23068), (36, 23155), (37, 23158), (59, 23296), (Start: 83 @23371 has 436 MA's), (126, 23467), (138, 23494), (Start: 141 @23500 has 12 MA's), (163, 23539), (167, 23548), (195, 23593), (201, 23605), (220, 23644), (249, 23701), (278, 23752), (286, 23767), (306, 23806), (325, 23839), (341, 23860), (345, 23866), (360, 23902), (365, 23914), (367, 23917), (393, 23965), (397, 23971), (399, 23974), (405, 23983), (467, 24121), (497, 24214), (519, 24271), (520, 24277), (553, 24361), (558, 24376), (560, 24379), (591, 24445), (598, 24478),

Gene: Woes_30 Start: 38617, Stop: 39519, Start Num: 217
Candidate Starts for Woes_30:
(Start: 217 @38617 has 25 MA's), (293, 38755), (337, 38824), (375, 38872), (422, 38935), (437, 38971), (600, 39391), (627, 39496),

Gene: Wojtek_32 Start: 28749, Stop: 29798, Start Num: 143
Candidate Starts for Wojtek_32:
(Start: 143 @28749 has 31 MA's), (210, 28863), (231, 28905), (258, 28959), (266, 28974), (303, 29037), (437, 29262), (498, 29433), (587, 29661), (609, 29706),

Gene: Wyatt2_21 Start: 21688, Stop: 22860, Start Num: 91
Candidate Starts for Wyatt2_21:
(Start: 89 @21685 has 7 MA's), (Start: 91 @21688 has 34 MA's), (Start: 149 @21814 has 1 MA's), (173, 21856), (177, 21868), (Start: 180 @21871 has 3 MA's), (201, 21904), (206, 21916), (230, 21964), (237, 21982), (259, 22018), (267, 22033), (298, 22084), (315, 22114), (334, 22156), (352, 22180), (401, 22216), (405, 22222), (423, 22249), (432, 22267), (469, 22360), (470, 22363), (494, 22447), (547, 22585), (557, 22603), (593, 22687),

Gene: Xavia_22 Start: 21888, Stop: 22955, Start Num: 146
Candidate Starts for Xavia_22:
(Start: 146 @21888 has 97 MA's), (232, 22050), (254, 22092), (293, 22161), (333, 22221), (369, 22266), (377, 22284), (392, 22311), (437, 22392), (461, 22449), (468, 22473), (524, 22644),

Gene: Xavier_32 Start: 32087, Stop: 33247, Start Num: 83
Candidate Starts for Xavier_32:
(Start: 83 @32087 has 436 MA's), (Start: 135 @32198 has 1 MA's), (161, 32243), (218, 32342), (247, 32402), (267, 32438), (283, 32462), (306, 32507), (311, 32513), (350, 32564), (390, 32603), (391, 32606), (399, 32618), (424, 32657), (437, 32690), (467, 32771), (497, 32864), (510, 32900), (514, 32909), (517, 32915), (609, 33140),

Gene: Xeno_21 Start: 20200, Stop: 21240, Start Num: 146
Candidate Starts for Xeno_21:
(Start: 146 @20200 has 97 MA's), (232, 20365), (254, 20407), (293, 20476), (333, 20536), (369, 20581), (392, 20626), (437, 20707), (461, 20764), (468, 20788), (500, 20893), (525, 20965), (540, 21010),

Gene: Xerxes_22 Start: 20220, Stop: 21434, Start Num: 131
Candidate Starts for Xerxes_22:
(38, 19890), (75, 20088), (Start: 130 @20217 has 6 MA's), (Start: 131 @20220 has 18 MA's), (268, 20481), (358, 20652), (439, 20802), (453, 20841), (488, 20943), (497, 20985), (619, 21357),

Gene: Xincheng_29 Start: 32060, Stop: 33217, Start Num: 83
Candidate Starts for Xincheng_29:
(Start: 83 @32060 has 436 MA's), (Start: 128 @32153 has 1 MA's), (Start: 135 @32168 has 1 MA's), (Start: 143 @32183 has 31 MA's), (Start: 152 @32195 has 1 MA's), (161, 32213), (175, 32237), (188, 32255), (197, 32270), (236, 32354), (240, 32363), (253, 32381), (275, 32423), (280, 32429), (283, 32435), (285, 32441), (303, 32468), (306, 32477), (324, 32510), (350, 32543), (383, 32561), (414, 32603), (429, 32633), (432, 32639), (468, 32738), (469, 32741), (502, 32852), (517, 32885), (578, 33038), (589, 33062), (594, 33074),

Gene: Xula_21 Start: 20946, Stop: 22157, Start Num: 86
Candidate Starts for Xula_21:
(Start: 86 @20946 has 22 MA's), (96, 20970), (124, 21027), (Start: 149 @21075 has 1 MA's), (181, 21135), (189, 21144), (199, 21159), (210, 21183), (222, 21207), (227, 21219), (245, 21255), (267, 21294), (272, 21303), (285, 21327), (303, 21357), (354, 21441), (356, 21444), (361, 21465), (379, 21501), (381, 21504), (393, 21525), (421, 21567), (467, 21684), (474, 21720), (477, 21726), (517, 21831), (545, 21912),

Gene: Y10_29 Start: 24585, Stop: 25589, Start Num: 178
Candidate Starts for Y10_29:
(Start: 178 @24585 has 14 MA's), (219, 24654), (275, 24753), (304, 24798), (306, 24804), (341, 24858), (347, 24867), (362, 24903), (385, 24948), (399, 24969), (403, 24975), (405, 24978), (467, 25110), (468, 25113), (506, 25236), (517, 25257), (616, 25524),

Gene: Y2_29 Start: 24585, Stop: 25589, Start Num: 178
Candidate Starts for Y2_29:
(Start: 178 @24585 has 14 MA's), (219, 24654), (275, 24753), (304, 24798), (306, 24804), (341, 24858), (347, 24867), (362, 24903), (385, 24948), (399, 24969), (403, 24975), (405, 24978), (467, 25110), (468, 25113), (506, 25236), (517, 25257), (616, 25524),

Gene: Yahalom_33 Start: 32232, Stop: 33434, Start Num: 83
Candidate Starts for Yahalom_33:
(Start: 83 @32232 has 436 MA's), (99, 32265), (177, 32409), (183, 32418), (188, 32427), (209, 32466), (214, 32475), (222, 32493), (230, 32511), (237, 32529), (240, 32535), (249, 32547), (259, 32565), (267, 32580), (287, 32613), (303, 32640), (332, 32685), (371, 32766), (386, 32793), (397, 32811), (409, 32829), (432, 32871), (473, 33000), (506, 33090), (545, 33192), (575, 33249), (577, 33258), (594, 33297), (611, 33369), (627, 33411),

Gene: YangYin_23 Start: 23308, Stop: 24453, Start Num: 83
Candidate Starts for YangYin_23:
(5, 22318), (8, 22519), (12, 22678), (67, 23284), (Start: 83 @23308 has 436 MA's), (Start: 135 @23419 has 1 MA's), (Start: 143 @23434 has 31 MA's), (209, 23545), (237, 23608), (247, 23623), (335, 23770), (343, 23785), (393, 23836), (443, 23932), (445, 23938), (462, 23983), (464, 23992), (509,

24121), (523, 24160),

Gene: Yikes_34 Start: 30133, Stop: 31182, Start Num: 143
Candidate Starts for Yikes_34:
(Start: 143 @30133 has 31 MA's), (210, 30247), (231, 30289), (258, 30343), (266, 30358), (303, 30421), (498, 30817), (550, 30952), (587, 31045),

Gene: Yinz_33 Start: 32255, Stop: 33457, Start Num: 83
Candidate Starts for Yinz_33:
(Start: 83 @32255 has 436 MA's), (99, 32288), (177, 32432), (183, 32441), (188, 32450), (209, 32489), (214, 32498), (222, 32516), (230, 32534), (237, 32552), (240, 32558), (249, 32570), (259, 32588), (267, 32603), (287, 32636), (303, 32663), (332, 32708), (371, 32789), (386, 32816), (397, 32834), (409, 32852), (432, 32894), (473, 33023), (479, 33032), (506, 33113), (545, 33215), (575, 33272), (577, 33281), (594, 33320), (611, 33392), (627, 33434),

Gene: Yndexa_46 Start: 34612, Stop: 35703, Start Num: 129
Candidate Starts for Yndexa_46:
(Start: 129 @34612 has 10 MA's), (147, 34645), (198, 34741), (291, 34924), (338, 34993), (437, 35131), (442, 35143), (443, 35146),

Gene: Yoshand_33 Start: 32373, Stop: 33533, Start Num: 83
Candidate Starts for Yoshand_33:
(Start: 83 @32373 has 436 MA's), (Start: 135 @32484 has 1 MA's), (161, 32529), (218, 32628), (247, 32688), (267, 32724), (283, 32748), (306, 32793), (311, 32799), (350, 32850), (390, 32889), (391, 32892), (399, 32904), (409, 32919), (424, 32943), (437, 32976), (467, 33057), (480, 33102), (497, 33150), (510, 33186), (514, 33195), (517, 33201), (609, 33426),

Gene: YouGoGlencoco_33 Start: 32368, Stop: 33528, Start Num: 83
Candidate Starts for YouGoGlencoco_33:
(Start: 83 @32368 has 436 MA's), (Start: 135 @32479 has 1 MA's), (161, 32524), (218, 32623), (247, 32683), (267, 32719), (283, 32743), (306, 32788), (311, 32794), (350, 32845), (390, 32884), (391, 32887), (399, 32899), (409, 32914), (424, 32938), (437, 32971), (467, 33052), (480, 33097), (497, 33145), (510, 33181), (514, 33190), (517, 33196), (609, 33421),

Gene: Zaider_34 Start: 32598, Stop: 33758, Start Num: 83
Candidate Starts for Zaider_34:
(Start: 83 @32598 has 436 MA's), (Start: 135 @32709 has 1 MA's), (161, 32754), (218, 32853), (247, 32913), (267, 32949), (283, 32973), (306, 33018), (311, 33024), (350, 33075), (390, 33114), (391, 33117), (399, 33129), (409, 33144), (424, 33168), (437, 33201), (467, 33282), (480, 33327), (497, 33375), (510, 33411), (514, 33420), (517, 33426), (609, 33651),

Gene: Zany_32 Start: 29660, Stop: 30706, Start Num: 143
Candidate Starts for Zany_32:
(Start: 143 @29660 has 31 MA's), (210, 29774), (220, 29795), (258, 29870), (266, 29885), (303, 29948), (333, 30008), (404, 30110), (498, 30344),

Gene: Zaria_21 Start: 21702, Stop: 22874, Start Num: 91
Candidate Starts for Zaria_21:
(Start: 89 @21699 has 7 MA's), (Start: 91 @21702 has 34 MA's), (Start: 149 @21828 has 1 MA's), (173, 21870), (177, 21882), (Start: 180 @21885 has 3 MA's), (201, 21918), (206, 21930), (211, 21939), (230, 21978), (237, 21996), (259, 22032), (267, 22047), (298, 22098), (315, 22128), (334, 22170), (352, 22194), (401, 22230), (405, 22236), (423, 22263), (432, 22281), (469, 22374), (470, 22377), (494, 22461), (547, 22599), (557, 22617), (593, 22701),

Gene: Zelda_33 Start: 32415, Stop: 33575, Start Num: 83
Candidate Starts for Zelda_33:
(Start: 83 @32415 has 436 MA's), (Start: 135 @32526 has 1 MA's), (161, 32571), (218, 32670), (247, 32730), (267, 32766), (283, 32790), (306, 32835), (311, 32841), (350, 32892), (390, 32931), (391, 32934), (399, 32946), (424, 32985), (437, 33018), (467, 33099), (480, 33144), (497, 33192), (510, 33228), (514, 33237), (517, 33243), (609, 33468),

Gene: Zemanar_31 Start: 32608, Stop: 33765, Start Num: 83
Candidate Starts for Zemanar_31:
(Start: 83 @32608 has 436 MA's), (Start: 128 @32701 has 1 MA's), (Start: 135 @32716 has 1 MA's), (Start: 143 @32731 has 31 MA's), (Start: 152 @32743 has 1 MA's), (161, 32761), (188, 32803), (236, 32902), (240, 32911), (253, 32929), (267, 32956), (275, 32971), (280, 32977), (283, 32983), (285, 32989), (303, 33016), (306, 33025), (324, 33058), (350, 33091), (414, 33151), (429, 33181), (432, 33187), (449, 33232), (468, 33286), (469, 33289), (517, 33433), (578, 33586),

Gene: Zenteno07_35 Start: 31167, Stop: 32306, Start Num: 78
Candidate Starts for Zenteno07_35:
(35, 30954), (Start: 78 @31167 has 1 MA's), (99, 31209), (120, 31257), (Start: 135 @31287 has 1 MA's), (Start: 149 @31308 has 1 MA's), (181, 31368), (209, 31416), (210, 31419), (214, 31425), (225, 31452), (236, 31476), (240, 31485), (270, 31536), (349, 31656), (374, 31674), (469, 31860), (481, 31905), (511, 31989), (517, 32001), (529, 32040), (565, 32118),

Gene: Zilizebeth_22 Start: 21299, Stop: 22336, Start Num: 146
Candidate Starts for Zilizebeth_22:
(Start: 131 @21275 has 18 MA's), (Start: 143 @21296 has 31 MA's), (Start: 146 @21299 has 97 MA's), (162, 21323), (232, 21461), (254, 21503), (293, 21572), (333, 21632), (369, 21677), (392, 21722), (437, 21803), (461, 21860), (468, 21884), (500, 21989), (525, 22061), (540, 22106), (616, 22271),

Gene: Zodiariah_22 Start: 21904, Stop: 22950, Start Num: 146
Candidate Starts for Zodiariah_22:
(Start: 146 @21904 has 97 MA's), (205, 22009), (258, 22114), (355, 22288), (367, 22291), (461, 22474), (514, 22630), (536, 22702), (561, 22750), (563, 22753), (576, 22786),

Gene: Zonia_33 Start: 32387, Stop: 33547, Start Num: 83
Candidate Starts for Zonia_33:
(Start: 83 @32387 has 436 MA's), (Start: 135 @32498 has 1 MA's), (161, 32543), (218, 32642), (247, 32702), (267, 32738), (283, 32762), (306, 32807), (311, 32813), (350, 32864), (390, 32903), (391, 32906), (399, 32918), (409, 32933), (424, 32957), (437, 32990), (467, 33071), (480, 33116), (497, 33164), (510, 33200), (514, 33209), (517, 33215), (609, 33440),