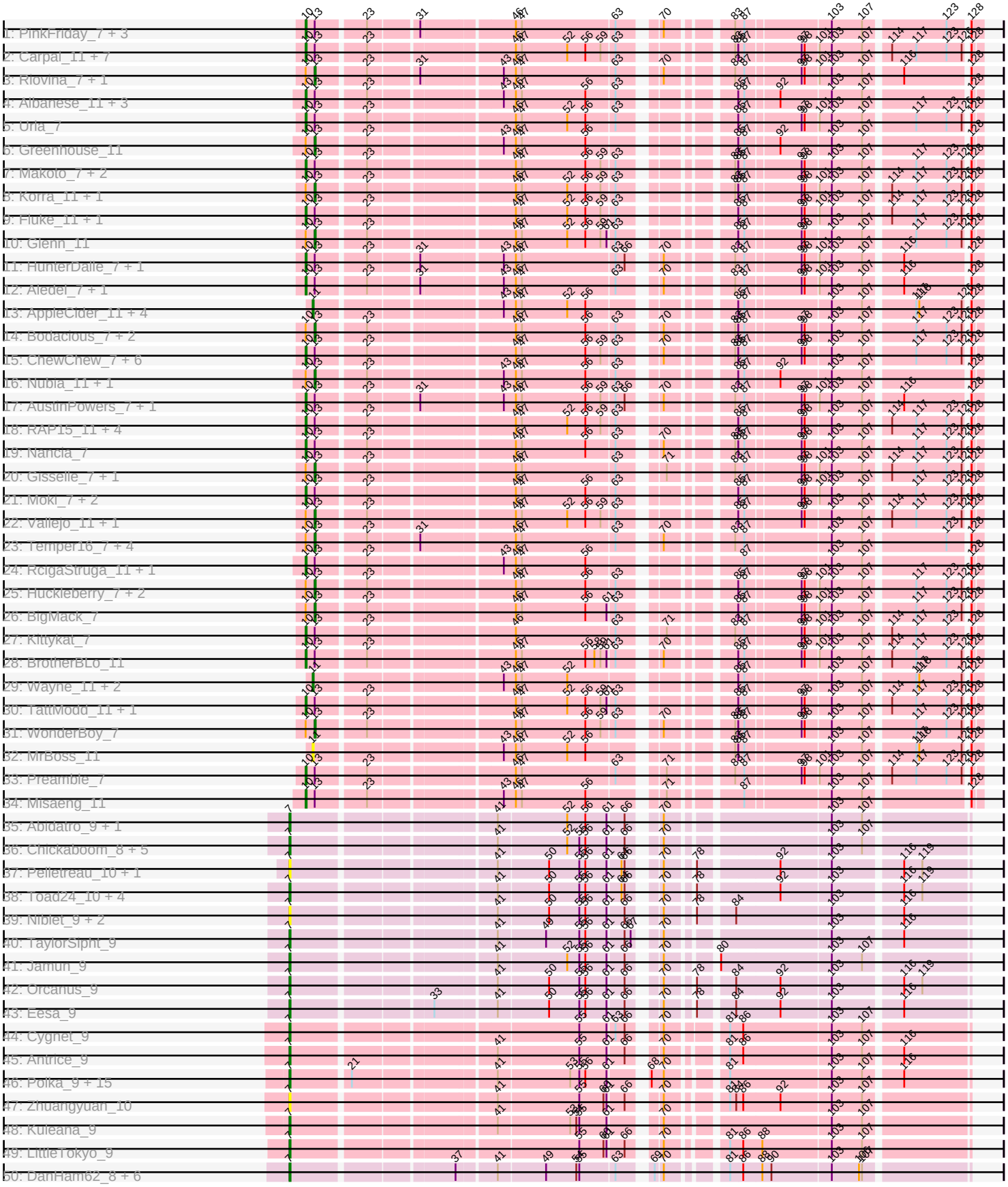
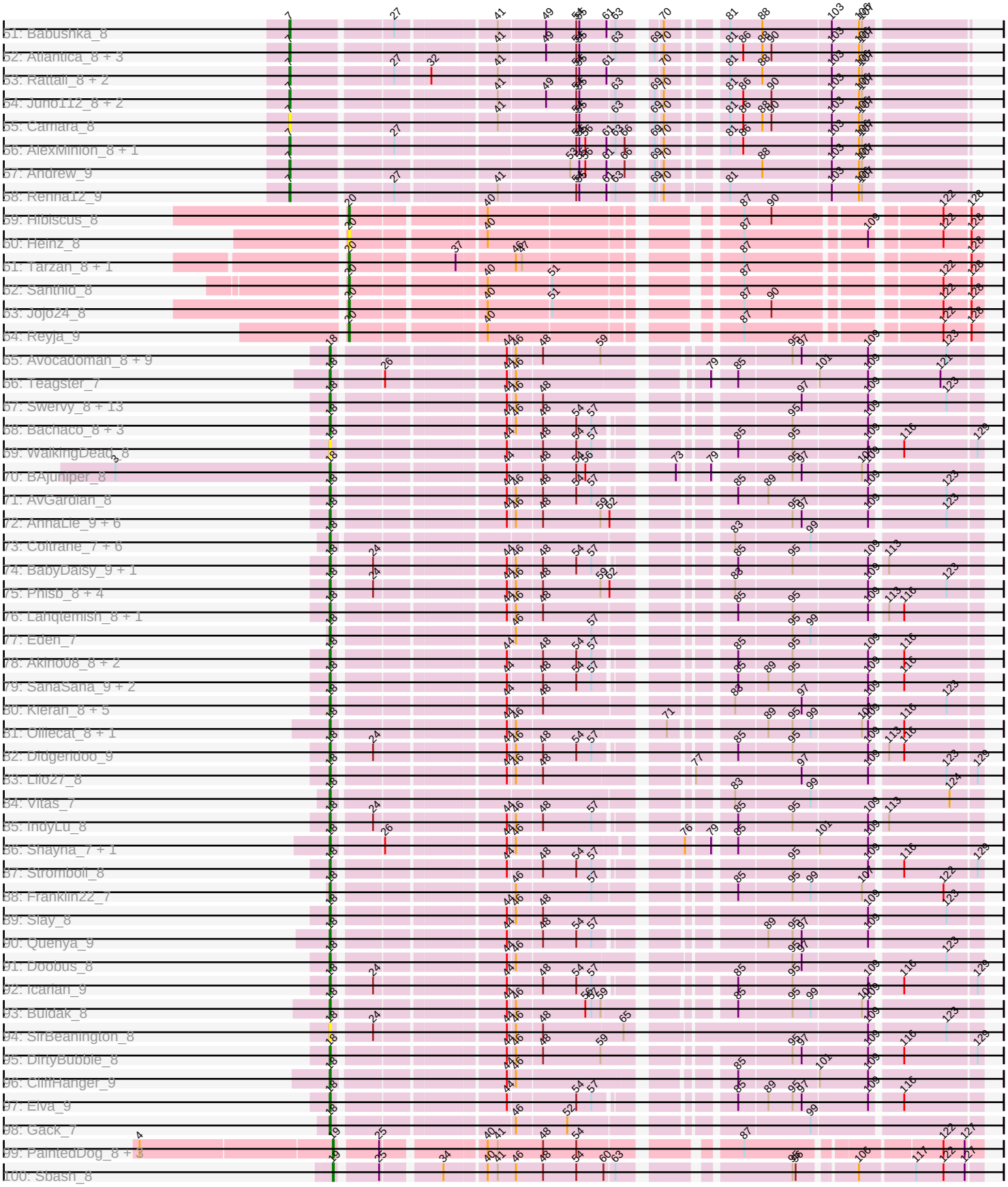
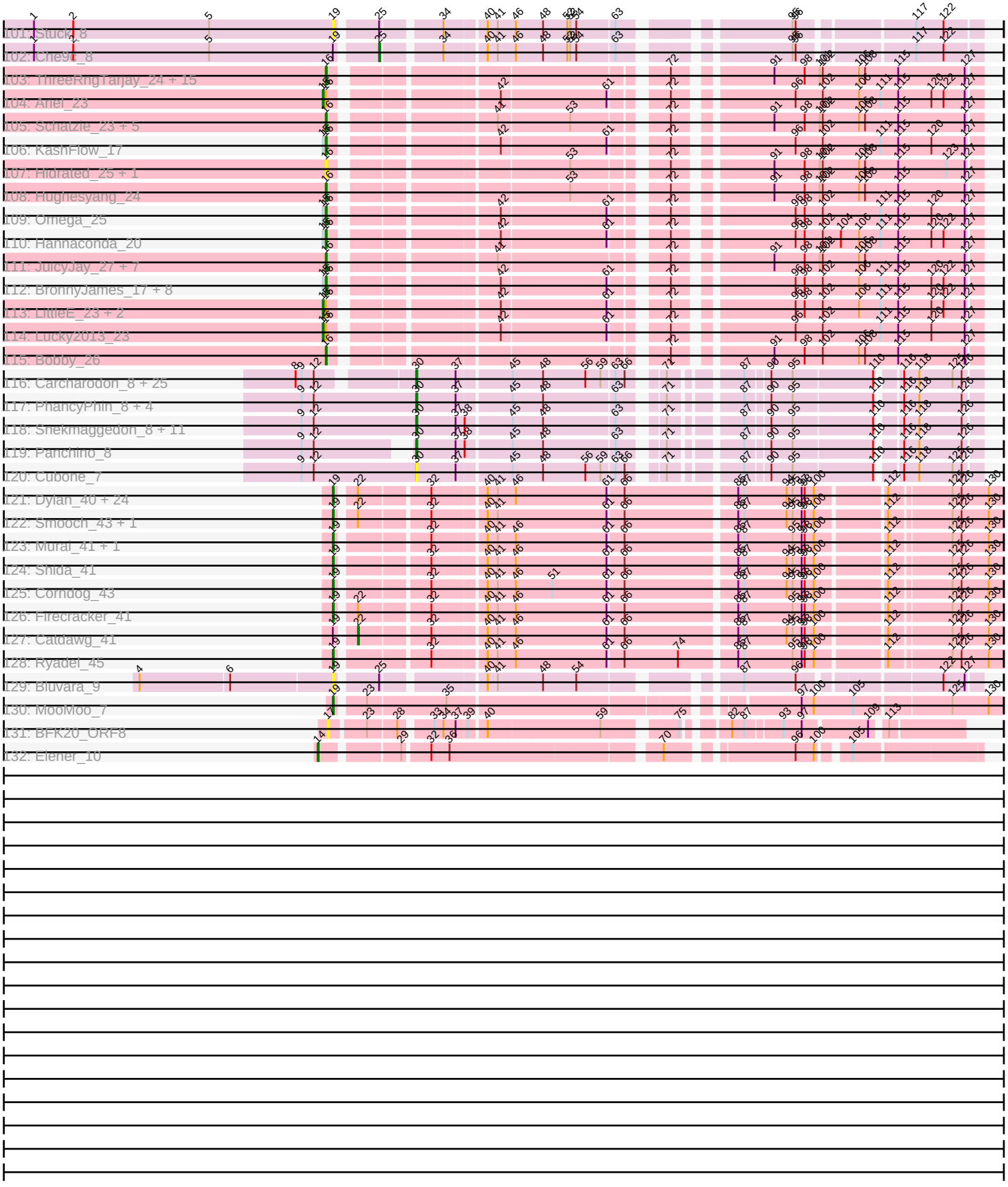
Pham 283388


1: PinkFriday_7 + 3
2: Carpal_11 + 7
3: Riovina_7 + 1
4: Albanese_11 + 3
5: Ofia_7
6: Greenhouse_11
7: Makoto_7 + 2
8: Korra_11 + 1
9: Fluke_11 + 1
10: Glenn_11
11: HunterDalle_7 + 1
12: Aledel_7 + 1
13: AppleCider_11 + 4
14: Bodacious_7 + 2
15: ChewChew_7 + 6
16: Nubia_11 + 1
17: AustinPowers_7 + 1
18: RAP15_11 + 4
19: Nancia_7
20: Gisselle_7 + 1
21: Moki_7 + 2
22: Vallejo_11 + 1
23: Temper16_7 + 4
24: RcigaStruga_11 + 1
25: Huckleberry_7 + 2
26: BigMack_7
27: Kittykat_7
28: BrotherBLo_11
29: Wayne_11 + 2
30: TattModd_11 + 1
31: WonderBoy_7
32: MrBoss_11
33: Preamble_7
34: Misaeng_11
35: Abidatro_9 + 1
36: Chickaboom_8 + 5
37: Pelletreau_10 + 1
38: Toad24_10 + 4
39: Niblet_9 + 2
40: TaylorSpht_9
41: Jamun_9
42: Orcanus_9
43: Eesa_9
44: Cygnet_9
45: Anthice_9
46: Polka_9 + 15
47: Zhuangyuan_10
48: Kuleana_9
49: LittleTokyo_9
50: DanHam62_8 + 6

Pham 283388


51: Babushka_8
52: Atlantica_8 + 3
53: Rattail_8 + 2
54: Juno112_8 + 2
55: Camara_8
56: AlexMinion_8 + 1
57: Andrew_9
58: Renna12_9
59: Hibiscus_8
60: Heinz_8
61: Tarzan_8 + 1
62: Santhid_8
63: Jojo24_8
64: Reyja_9
65: Avocadoman_8 + 9
66: Teagster_7
67: Swervy_8 + 13
68: Bachaco_8 + 3
69: WalkingDead_8
70: BAjuniper_8
71: AvGardian_8
72: AnnaLie_9 + 6
73: Coltrane_7 + 6
74: BabyDaisy_9 + 1
75: Phisb_8 + 4
76: Lanqtemish_8 + 1
77: Eden_7
78: Akino08_8 + 2
79: SanaSana_9 + 2
80: Kieran_8 + 5
81: Ollecat_8 + 1
82: Dlodgeridoo_9
83: Lilo27_8
84: Vitas_7
85: IndyLu_8
86: Shayna_7 + 1
87: Stromboli_8
88: Franklin22_7
89: Slay_8
90: Quenya_9
91: Doobus_8
92: Icarian_9
93: Buldak_8
94: SirBeanington_8
95: DirtyBubble_8
96: CliffHanger_9
97: Elva_9
98: Gack_7
99: PaintedDog_8 + 3
100: Sbash_8

Pham 283388


101: Stuck_8
102: Chee9_8
103: ThreeRngTarjay_24 + 15
104: Ariel_23
105: Schatzie_23 + 5
106: KashFlow_17
107: Hidrated_25 + 1
108: Hughesyang_24
109: Omega_25
110: Hannaconda_20
111: JuicyJay_27 + 7
112: BronnyJames_17 + 8
113: LittleE_23 + 2
114: Lucky2013_23
115: Bobby_26
116: Carcharodon_8 + 25
117: PhancyPhin_8 + 4
118: Snekmaggedon_8 + 11
119: Panchino_8
120: Cubone_7
121: Dylan_40 + 24
122: Smooch_43 + 1
123: Murat_41 + 1
124: Shida_41
125: Corndog_43
126: Firecracker_41
127: Catdawg_41
128: Ryadel_45
129: Bluvara_9
130: MooMoo_7
131: BFK20_ORF8
132: Elener_10

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 283388 Report

This analysis was run 02/23/26 on database version 636.

Pham number 283388 has 388 members, 58 are drafts.

Phages represented in each track:
• Track 1 : PinkFriday_7, Pumancara_7, Maria1952_7, Supakev_7
• Track 2 : Carpal_11, Dino_11, Wawa_11, Cholula_11, Kalizoi_11, Potatoes_11, Immaculata_11, Beethoven_11
• Track 3 : Riovina_7, Eunoia_7
• Track 4 : Albanese_11, Lakshmi_11, GreenHearts_11, Joann_11
• Track 5 : Urla_7
• Track 6 : Greenhouse_11
• Track 7 : Makoto_7, Lucy_7, Pterodactyl_7
• Track 8 : Korra_11, Zorro_11
• Track 9 : Fluke_11, Rozby_11
• Track 10 : Glenn_11
• Track 11 : HunterDalle_7, Vulture_7
• Track 12 : Aledel_7, OMalley_7
• Track 13 : AppleCider_11, Graynor_11, Litotes_11, PartyCup_11, CallieOMalley_11
• Track 14 : Bodacious_7, Lasagna_7, CristinaYang_7
• Track 15 : ChewChew_7, DrRobert_7, PitaDog_7, Christian_7, OurGirlNessie_7, Lennox_7, LilStuart_7
• Track 16 : Nubia_11, Oxynfrius_11
• Track 17 : AustinPowers_7, Chridison_7
• Track 18 : RAP15_11, Jumboset_11, Riverdale_11, MeganNoll_11, Savage2526_11
• Track 19 : Nancia_7
• Track 20 : Gisselle_7, DreamTeam_7
• Track 21 : Moki_7, Bennie_7, HeadNerd_7
• Track 22 : Vallejo_11, Scuttle_11
• Track 23 : Temper16_7, Daiboju_7, KingBob_7, Herb_7, Sergei_7
• Track 24 : RcigaStruga_11, Huntingdon_11
• Track 25 : Huckleberry_7, EstebanJulior_7, MamaPearl_7
• Track 26 : BigMack_7
• Track 27 : Kittykat_7
• Track 28 : BrotherBLo_11
• Track 29 : Wayne_11, Suppi_11, Canowicakte_11
• Track 30 : TattModd_11, MrGloopy_11
• Track 31 : WonderBoy_7
• Track 32 : MrBoss_11
• Track 33 : Preamble_7
• Track 34 : Misaeng_11
• Track 35 : Abidatro_9, Galaxy_9

• Track 36 : Chickaboom_8, WileyE_8, Vulpecula_9, Ruchi_9, Basilisk_9, Brynnie_9
• Track 37 : Pelletreau_10, Gravel_10
• Track 38 : Toad24_10, Shen_10, Amanises_10, KendraB23_10, Westrich_10
• Track 39 : Niblet_9, Zixiang_9, Chicken_9
• Track 40 : TaylorSipht_9
• Track 41 : Jamun_9
• Track 42 : Orcanus_9
• Track 43 : Eesa_9
• Track 44 : Cygnet_9
• Track 45 : Antrice_9
• Track 46 : Polka_9, Bibble12_10, Jerole_10, Coral_9, Daob_10, Melons_10, Bedetta_10, PhirstandPhine_10, Kepler_9, HannahPhantana_10, OtsoOtso_9, Amelia_10, Pineda_10, Cote_10, Lunar_10, Colusalem_9
• Track 47 : Zhuangyuan_10
• Track 48 : Kuleana_9
• Track 49 : LittleTokyo_9
• Track 50 : DanHam62_8, Amphitrite_8, Laphuphu24k_8, AdoptaAdorbs_8, PhluffyCoco_8, HamCheese_8, RedFox_8
• Track 51 : Babushka_8
• Track 52 : Atlantica_8, Oppalora_8, KHumphrey_8, Glotell_8
• Track 53 : Rattail_8, Leona_8, Azaz_8
• Track 54 : Juno112_8, AmiCi24_8, Fingolfin_8
• Track 55 : Camara_8
• Track 56 : AlexMinion_8, StuartMinion_8
• Track 57 : Andrew_9
• Track 58 : Renna12_9
• Track 59 : Hibiscus_8
• Track 60 : Heinz_8
• Track 61 : Tarzan_8, DonkeyMan_8
• Track 62 : Santhid_8
• Track 63 : Jojo24_8
• Track 64 : Reyja_9
• Track 65 : Avocadoman_8, Johnathan_8, Bengal_8, Softsoap_8, Albright_8, Solea_9, Arroyo_9, LimaBean_8, Milomuff_9, Abigail_8
• Track 66 : Teagster_7
• Track 67 : Swervy_8, Jovita_8, SarBear_8, Jabb_8, QMacho_9, TukTuk_8, Nicky22_9, Cashington_8, Eula_8, MsUbiquitous_8, AylexOG_9, Pecas_8, Finalfrontier_9, CupcakePrincess_8
• Track 68 : Bachaco_8, Celaena_8, FlameThrower_8, Katzastrophic_8
• Track 69 : WalkingDead_8
• Track 70 : BAjuniper_8
• Track 71 : AvGardian_8
• Track 72 : AnnaLie_9, SansAfet_8, DickRichards_8, Burritobowl_8, BelmontSKP_9, CroZenni_8, PhigPhack_8
• Track 73 : Coltrane_7, Skylord_7, Clayda5_7, Rollins_7, Brahms_7, Armstrong_7, Bernstein_7
• Track 74 : BabyDaisy_9, Kate33_8
• Track 75 : Phisb_8, BubbaBear_8, Albedo_8, Lynlen_8, Kenzers_8
• Track 76 : Lahqtemish_8, PastaFagioli_8
• Track 77 : Eden_7
• Track 78 : Akino08_8, Loviatar_8, BabyYoda_8
• Track 79 : SanaSana_9, PondAmelia_11, Stoor_8
• Track 80 : Kieran_8, Rona_8, ChiliPepper_8, Sharkboy_8, Dismas_8, Kamdara_8

• Track 81 : Olliecat_8, Squircle_8
• Track 82 : Didgeridoo_9
• Track 83 : Lilo27_8
• Track 84 : Vitas_7
• Track 85 : IndyLu_8
• Track 86 : Shayna_7, SunnyD_7
• Track 87 : Stromboli_8
• Track 88 : Franklin22_7
• Track 89 : Slay_8
• Track 90 : Quenya_9
• Track 91 : Doobus_8
• Track 92 : Icarian_9
• Track 93 : Buldak_8
• Track 94 : SirBeanington_8
• Track 95 : DirtyBubble_8
• Track 96 : CliffHanger_9
• Track 97 : Elva_9
• Track 98 : Gack_7
• Track 99 : PaintedDog_8, QueenHazel_9, Xula_8, Babsiella_9
• Track 100 : Sbash_8
• Track 101 : Stuck_8
• Track 102 : Che9c_8
• Track 103 : ThreeRngTarjay_24, Ejimix_26, Phoebus_25, Beem_25, Bagrid_23, Kalah2_26, Pound_25, EricMillard_25, Redno2_24, DmpstrDiver_24, Thibault_21, BAKA_22, HokkenD_20, Dallas_25, Halley_25, Optimus_23
• Track 104 : Ariel_23
• Track 105 : Schatzie_23, Klein_25, Dove_23, NihilNomen_24, Wanda_26, Bombitas_22
• Track 106 : KashFlow_17
• Track 107 : Hidrated_25, Marleymoo_26
• Track 108 : Hughesyang_24
• Track 109 : Omega_25
• Track 110 : Hannaconda_20
• Track 111 : JuicyJay_27, Minerva_25, Constella_20, Zelink_26, Yeet_23, Odette_24, Xiaokay_22, Duke13_22
• Track 112 : BronnyJames_17, Nekros_23, Squint_22, Porcelain_23, Rearden_20, Superphikiman_23, Nibley_18, Gonephishing_21, Shaboozey_17
• Track 113 : LittleE_23, Courthouse_23, MiaZeal_23
• Track 114 : Lucky2013_23
• Track 115 : Bobby_26
• Track 116 : Carcharodon_8, Bosection6_8, Parmesanjohn_8, Andies_8, Duplicity_8, Scitech_8, Silvafighter_8, Journey_8, Silvy_8, Melville_8, Xeno_8, Schnauzer_8, Phloss_8, Tapioca_8, Pipsqueaks_8, Chewbacca_8, Philonius_8, Fulbright_8, Tortoise12_8, EGUnicorn_8, Magsby_8, Charlie_8, Xerxes_8, Aggie_8, Smurph_8, Gex_8
• Track 117 : PhancyPhin_8, Raymond7_8, Shweta_8, Impisi_8, Phrann_8
• Track 118 : Snekmaggedon_8, Redi_8, ShrimpFriedEgg_8, Rebel_8, Spinach_8, BabeRuth_8, Purgamenstris_8, Jamie19_8, Hanako_8, SkinnyPete_8, SpongeBob_8, Nenae_8
• Track 119 : Panchino_8
• Track 120 : Cubone_7
• Track 121 : Dylan_40, Alkhayr_41, TelAviv_38, Zakhe101_41, FoulBall_41, Ashwin_42, Schuy_42, Familton_42, Bora_38, Winget_42, Blessica_42,

NiebruSaylor_40, KingPhillip3_40, Mori_40, Zebo_41, SchoolBus_41, YoyoKar_39, YungJamal_44, Wildflower_41, JangDynasty_41, Wogge42_40, Vorrps_40, Vagabond_41, MadKillah_42, Idergollasper_41
• Track 122 : Smooch_43, Imara_39
• Track 123 : Murai_41, Krili_40
• Track 124 : Shida_41
• Track 125 : Corndog_43
• Track 126 : Firecracker_41
• Track 127 : Catdawg_41
• Track 128 : Ryadel_45
• Track 129 : Bluvara_9
• Track 130 : MooMoo_7
• Track 131 : BFK20_ORF8
• Track 132 : Elener_10

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

The start number called the most often in the published annotations is 18, it was called in 79 of the 330 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Abigail_8, Akino08_8, Albedo_8, Albright_8, AnnaLie_9, Armstrong_7, Arroyo_9, AvGardian_8, Avocadoman_8, AylexOG_9, BAjuniper_8, BabyDaisy_9, BabyYoda_8, Bachaco_8, BelmontSKP_9, Bengal_8, Bernstein_7, Brahms_7, BubbaBear_8, Buldak_8, Burritobowl_8, Cashington_8, Celaena_8, ChiliPepper_8, Clayda5_7, CliffHanger_9, Coltrane_7, CroZenni_8, CupcakePrincess_8, DickRichards_8, Didgeridoo_9, DirtyBubble_8, Dismas_8, Doobus_8, Eden_7, Elva_9, Eula_8, Finalfrontier_9, FlameThrower_8, Franklin22_7, Gack_7, Icarian_9, IndyLu_8, Jabb_8, Johnathan_8, Jovita_8, Kamdara_8, Kate33_8, Katzastrophic_8, Kenzers_8, Kieran_8, Lahqtemish_8, Lilo27_8, LimaBean_8, Loviatar_8, Lynlen_8, Milomuff_9, MsUbiquitous_8, Nicky22_9, Olliecat_8, PastaFagioli_8, Pecas_8, PhigPhack_8, Phisb_8, PondAmelia_11, QMacho_9, Quenya_9, Rollins_7, Rona_8, SanaSana_9, SansAfet_8, SarBear_8, Sharkboy_8, Shayna_7, SirBeanington_8, Skylord_7, Slay_8, Softsoap_8, Solea_9, Squircle_8, Stoor_8, Stromboli_8, SunnyD_7, Swervy_8, Teagster_7, TukTuk_8, Vitas_7, WalkingDead_8,

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

Genes that do not have the "Most Annotated" start:
• Abidatro_9, AdoptaAdorbs_8, Aggie_8, Albanese_11, Aledel_7, AlexMinion_8, Alkhayr_41, Amanises_10, Amelia_10, AmiCi24_8, Amphitrite_8, Andies_8, Andrew_9, Antrice_9, AppleCider_11, Ariel_23, Ashwin_42, Atlantica_8, AustinPowers_7, Azaz_8, BAKA_22, BFK20_ORF8, BabeRuth_8, Babsiella_9, Babushka_8, Bagrid_23, Basilisk_9, Bedetta_10, Beem_25, Beethoven_11, Bennie_7, Bibble12_10, BigMack_7, Blessica_42, Bluvara_9, Bobby_26, Bodacious_7, Bombitas_22, Bora_38, Bosection6_8, BronnyJames_17, BrotherBLo_11, Brynnie_9, CallieOMalley_11, Camara_8, Canowicakte_11, Carcharodon_8, Carpal_11, Catdawg_41, Charlie_8, Che9c_8, ChewChew_7, Chewbacca_8, Chickaboom_8, Chicken_9, Cholula_11, Chridison_7, Christian_7,

Colusalem_9, Constella_20, Coral_9, Corndog_43, Cote_10, Courthouse_23, CristinaYang_7, Cubone_7, Cygnet_9, Daiboju_7, Dallas_25, DanHam62_8, Daob_10, Dino_11, DmpstrDiver_24, DonkeyMan_8, Dove_23, DrRobert_7, DreamTeam_7, Duke13_22, Duplicity_8, Dylan_40, EGUnicorn_8, Eesa_9, Ejimix_26, Elener_10, EricMillard_25, EstebanJulior_7, Eunoia_7, Familton_42, Fingolfin_8, Firecracker_41, Fluke_11, FoulBall_41, Fulbright_8, Galaxy_9, Gex_8, Gisselle_7, Glenn_11, Glotell_8, Gonephishing_21, Gravel_10, Graynor_11, GreenHearts_11, Greenhouse_11, Halley_25, HamCheese_8, Hanako_8, Hannaconda_20, HannahPhantana_10, HeadNerd_7, Heinz_8, Herb_7, Hibiscus_8, Hidrated_25, HokkenD_20, Huckleberry_7, Hughesyang_24, HunterDalle_7, Huntingdon_11, Idergollasper_41, Imara_39, Immaculata_11, Impisi_8, Jamie19_8, Jamun_9, JangDynasty_41, Jerole_10, Joann_11, Jojo24_8, Journey_8, JuicyJay_27, Jumboset_11, Juno112_8, KHumphrey_8, Kalah2_26, Kalizoi_11, KashFlow_17, KendraB23_10, Kepler_9, KingBob_7, KingPhillip3_40, Kittykat_7, Klein_25, Korra_11, Krili_40, Kuleana_9, Lakshmi_11, Laphuphu24k_8, Lasagna_7, Lennox_7, Leona_8, LilStuart_7, Litotes_11, LittleE_23, LittleTokyo_9, Lucky2013_23, Lucy_7, Lunar_10, MadKillah_42, Magsby_8, Makoto_7, MamaPearl_7, Maria1952_7, Marleymoo_26, MeganNoll_11, Melons_10, Melville_8, MiaZeal_23, Minerva_25, Misaeng_11, Moki_7, MooMoo_7, Mori_40, MrBoss_11, MrGloopy_11, Murai_41, Nancia_7, Nekros_23, Nenae_8, Niblet_9, Nibley_18, NiebruSaylor_40, NihilNomen_24, Nubia_11, OMalley_7, Odette_24, Omega_25, Oppalora_8, Optimus_23, Orcanus_9, OtsoOtso_9, OurGirlNessie_7, Oxynfrius_11, PaintedDog_8, Panchino_8, Parmesanjohn_8, PartyCup_11, Pelletreau_10, PhancyPhin_8, Philonius_8, PhirstandPhine_10, Phloss_8, PhluffyCoco_8, Phoebus_25, Phrann_8, Pineda_10, PinkFriday_7, Pipsqueaks_8, PitaDog_7, Polka_9, Porcelain_23, Potatoes_11, Pound_25, Preamble_7, Pterodactyl_7, Pumancara_7, Purgamenstris_8, QueenHazel_9, RAP15_11, Rattail_8, Raymond7_8, RcigaStruga_11, Rearden_20, Rebel_8, RedFox_8, Redi_8, Redno2_24, Renna12_9, Reyja_9, Riovina_7, Riverdale_11, Rozby_11, Ruchi_9, Ryadel_45, Santhid_8, Savage2526_11, Sbash_8, Schatzie_23, Schnauzer_8, SchoolBus_41, Schuy_42, Scitech_8, Scuttle_11, Sergei_7, Shaboozey_17, Shen_10, Shida_41, ShrimpFriedEgg_8, Shweta_8, Silvafighter_8, Silvy_8, SkinnyPete_8, Smooch_43, Smurph_8, Snekmaggedon_8, Spinach_8, SpongeBob_8, Squint_22, StuartMinion_8, Stuck_8, Supakev_7, Superphikiman_23, Suppi_11, Tapioca_8, Tarzan_8, TattModd_11, TaylorSipht_9, TelAviv_38, Temper16_7, Thibault_21, ThreeRngTarjay_24, Toad24_10, Tortoise12_8, Urla_7, Vagabond_41, Vallejo_11, Vorrps_40, Vulpecula_9, Vulture_7, Wanda_26, Wawa_11, Wayne_11, Westrich_10, Wildflower_41, WileyE_8, Winget_42, Wogge42_40, WonderBoy_7, Xeno_8, Xerxes_8, Xiaokay_22, Xula_8, Yeet_23, YoyoKar_39, YungJamal_44, Zakhe101_41, Zebo_41, Zelink_26, Zhuangyuan_10, Zixiang_9, Zorro_11,

Summary by start number:

Start 7:
• Found in 66 of 388 (17.0%) of genes in pham
• Manual Annotations of this start: 42 of 330
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Abidatro_9 (AS1), AdoptaAdorbs_8 (AS3), AlexMinion_8 (AS3), Amanises_10 (AS1), Amelia_10 (AS2), AmiCi24_8 (AS3), Amphitrite_8 (AS3), Andrew_9 (AS3), Antrice_9 (AS2), Atlantica_8 (AS3), Azaz_8 (AS3), Babushka_8 (AS3), Basilisk_9 (AS1), Bedetta_10 (AS2), Bibble12_10 (AS2), Brynnie_9 (AS1), Camara_8 (AS3), Chickaboom_8 (AS1), Chicken_9 (AS1),

Colusalem_9 (AS2), Coral_9 (AS2), Cote_10 (AS2), Cygnet_9 (AS2), DanHam62_8 (AS3), Daob_10 (AS2), Eesa_9 (AS1), Fingolfin_8 (AS3), Galaxy_9 (AS1), Glotell_8 (AS3), Gravel_10 (AS1), HamCheese_8 (AS3), HannahPhantana_10 (AS2), Jamun_9 (AS1), Jerole_10 (AS2), Juno112_8 (AS3), KHumphrey_8 (AS3), KendraB23_10 (AS1), Kepler_9 (AS2), Kuleana_9 (AS2), Laphuphu24k_8 (AS3), Leona_8 (AS3), LittleTokyo_9 (AS2), Lunar_10 (AS2), Melons_10 (AS2), Niblet_9 (AS1), Oppalora_8 (AS3), Orcanus_9 (AS1), OtsoOtso_9 (AS2), Pelletreau_10 (AS1), PhirstandPhine_10 (AS2), PhluffyCoco_8 (AS3), Pineda_10 (AS2), Polka_9 (AS2), Rattail_8 (AS3), RedFox_8 (AS3), Renna12_9 (AS3), Ruchi_9 (AS1), Shen_10 (AS1), StuartMinion_8 (AS3), TaylorSipht_9 (AS1), Toad24_10 (AS1), Vulpecula_9 (AS1), Westrich_10 (AS1), WileyE_8 (AS1), Zhuangyuan_10 (AS2), Zixiang_9 (AS1),

Start 10:
• Found in 77 of 388 (19.8%) of genes in pham
• Manual Annotations of this start: 52 of 330
• Called 67.5% of time when present
• Phage (with cluster) where this start called: Albanese_11 (AK), Aledel_7 (AK), AustinPowers_7 (AK), Beethoven_11 (AK), Bennie_7 (AK), BrotherBLo_11 (AK), Carpal_11 (AK), ChewChew_7 (AK), Cholula_11 (AK), Chridison_7 (AK), Christian_7 (AK), Dino_11 (AK), DrRobert_7 (AK), Fluke_11 (AK), GreenHearts_11 (AK), HeadNerd_7 (AK), HunterDalle_7 (AK), Huntingdon_11 (AK), Immaculata_11 (AK), Joann_11 (AK), Jumboset_11 (AK), Kalizoi_11 (AK), Kittykat_7 (AK), Lakshmi_11 (AK), Lennox_7 (AK), LilStuart_7 (AK), Lucy_7 (AK), Makoto_7 (AK), Maria1952_7 (AK), MeganNoll_11 (AK), Misaeng_11 (AK), Moki_7 (AK), MrGloopy_11 (AK), Nancia_7 (AK), OMalley_7 (AK), OurGirlNessie_7 (AK), PinkFriday_7 (AK), PitaDog_7 (AK), Potatoes_11 (AK), Preamble_7 (AK), Pterodactyl_7 (AK), Pumancara_7 (AK), RAP15_11 (AK), RcigaStruga_11 (AK), Riverdale_11 (AK), Rozby_11 (AK), Savage2526_11 (AK), Supakev_7 (AK), TattModd_11 (AK), Urla_7 (AK), Vulture_7 (AK), Wawa_11 (AK),

Start 11:
• Found in 9 of 388 (2.3%) of genes in pham
• Manual Annotations of this start: 7 of 330
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AppleCider_11 (AK), CallieOMalley_11 (AK), Canowicakte_11 (AK), Graynor_11 (AK), Litotes_11 (AK), MrBoss_11 (AK), PartyCup_11 (AK), Suppi_11 (AK), Wayne_11 (AK),

Start 13:
• Found in 77 of 388 (19.8%) of genes in pham
• Manual Annotations of this start: 25 of 330
• Called 32.5% of time when present
• Phage (with cluster) where this start called: BigMack_7 (AK), Bodacious_7 (AK), CristinaYang_7 (AK), Daiboju_7 (AK), DreamTeam_7 (AK), EstebanJulior_7 (AK), Eunoia_7 (AK), Gisselle_7 (AK), Glenn_11 (AK), Greenhouse_11 (AK), Herb_7 (AK), Huckleberry_7 (AK), KingBob_7 (AK), Korra_11 (AK), Lasagna_7 (AK), MamaPearl_7 (AK), Nubia_11 (AK), Oxynfrius_11 (AK), Riovina_7 (AK), Scuttle_11 (AK), Sergei_7 (AK), Temper16_7 (AK), Vallejo_11 (AK), WonderBoy_7 (AK), Zorro_11 (AK),

Start 14:
• Found in 1 of 388 (0.3%) of genes in pham
• Manual Annotations of this start: 1 of 330
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Elener_10 (singleton),

Start 15:
• Found in 17 of 388 (4.4%) of genes in pham
• Manual Annotations of this start: 5 of 330
• Called 29.4% of time when present
• Phage (with cluster) where this start called: Ariel_23 (J), Courthouse_23 (J), LittleE_23 (J), Lucky2013_23 (J), MiaZeal_23 (J),

Start 16:
• Found in 51 of 388 (13.1%) of genes in pham
• Manual Annotations of this start: 35 of 330
• Called 90.2% of time when present
• Phage (with cluster) where this start called: BAKA_22 (J), Bagrid_23 (J), Beem_25 (J), Bobby_26 (J), Bombitas_22 (J), BronnyJames_17 (J), Constella_20 (J), Dallas_25 (J), DmpstrDiver_24 (J), Dove_23 (J), Duke13_22 (J), Ejimix_26 (J), EricMillard_25 (J), Gonephishing_21 (J), Halley_25 (J), Hannaconda_20 (J), Hidrated_25 (J), HokkenD_20 (J), Hughesyang_24 (J), JuicyJay_27 (J), Kalah2_26 (J), KashFlow_17 (J), Klein_25 (J), Marleymoo_26 (J), Minerva_25 (J), Nekros_23 (J), Nibley_18 (J), NihilNomen_24 (J), Odette_24 (J), Omega_25 (J), Optimus_23 (J), Phoebus_25 (J), Porcelain_23 (J), Pound_25 (J), Rearden_20 (J), Redno2_24 (J), Schatzie_23 (J), Shaboozey_17 (J), Squint_22 (J), Superphikiman_23 (J), Thibault_21 (J), ThreeRngTarjay_24 (J), Wanda_26 (J), Xiaokay_22 (J), Yeet_23 (J), Zelink_26 (J),

Start 17:
• Found in 1 of 388 (0.3%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BFK20_ORF8 (singleton),

Start 18:
• Found in 88 of 388 (22.7%) of genes in pham
• Manual Annotations of this start: 79 of 330
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Abigail_8 (EB), Akino08_8 (EB), Albedo_8 (EB), Albright_8 (EB), AnnaLie_9 (EB), Armstrong_7 (EB), Arroyo_9 (EB), AvGardian_8 (EB), Avocadoman_8 (EB), AylexOG_9 (EB), BAjuniper_8 (EB), BabyDaisy_9 (EB), BabyYoda_8 (EB), Bachaco_8 (EB), BelmontSKP_9 (EB), Bengal_8 (EB), Bernstein_7 (EB), Brahms_7 (EB), BubbaBear_8 (EB), Buldak_8 (EB), Burritobowl_8 (EB), Cashington_8 (EB), Celaena_8 (EB), ChiliPepper_8 (EB), Clayda5_7 (EB), CliffHanger_9 (EB), Coltrane_7 (EB), CroZenni_8 (EB), CupcakePrincess_8 (EB), DickRichards_8 (EB), Didgeridoo_9 (EB), DirtyBubble_8 (EB), Dismas_8 (EB), Doobus_8 (EB), Eden_7 (EB), Elva_9 (EB), Eula_8 (EB), Finalfrontier_9 (EB), FlameThrower_8 (EB), Franklin22_7 (EB), Gack_7 (EB), Icarian_9 (EB), IndyLu_8 (EB), Jabb_8 (EB), Johnathan_8 (EB), Jovita_8 (EB), Kamdara_8 (EB), Kate33_8 (EB), Katzastrophic_8 (EB), Kenzers_8 (EB), Kieran_8 (EB), Lahqtemish_8 (EB), Lilo27_8 (EB), LimaBean_8 (EB), Loviatar_8 (EB), Lynlen_8 (EB), Milomuff_9 (EB), MsUbiquitous_8 (EB), Nicky22_9 (EB), Olliecat_8 (EB), PastaFagioli_8 (EB), Pecas_8 (EB), PhigPhack_8 (EB), Phisb_8 (EB), PondAmelia_11 (EB), QMacho_9 (EB), Quenya_9 (EB), Rollins_7 (EB), Rona_8 (EB), SanaSana_9 (EB), SansAfet_8 (EB), SarBear_8 (EB), Sharkboy_8 (EB), Shayna_7 (EB), SirBeanington_8 (EB), Skylord_7 (EB), Slay_8 (EB), Softsoap_8 (EB), Solea_9

(EB), Squircle_8 (EB), Stoor_8 (EB), Stromboli_8 (EB), SunnyD_7 (EB), Swervy_8 (EB), Teagster_7 (EB), TukTuk_8 (EB), Vitas_7 (EB), WalkingDead_8 (EB),

Start 19:
• Found in 43 of 388 (11.1%) of genes in pham
• Manual Annotations of this start: 34 of 330
• Called 95.3% of time when present
• Phage (with cluster) where this start called: Alkhayr_41 (O), Ashwin_42 (O), Babsiella_9 (I1), Blessica_42 (O), Bluvara_9 (UNK), Bora_38 (O), Corndog_43 (O), Dylan_40 (O), Familton_42 (O), Firecracker_41 (O), FoulBall_41 (O), Idergollasper_41 (O), Imara_39 (O), JangDynasty_41 (O), KingPhillip3_40 (O), Krili_40 (O), MadKillah_42 (O), MooMoo_7 (singleton), Mori_40 (O), Murai_41 (O), NiebruSaylor_40 (O), PaintedDog_8 (I1), QueenHazel_9 (I1), Ryadel_45 (O), Sbash_8 (I2), SchoolBus_41 (O), Schuy_42 (O), Shida_41 (O), Smooch_43 (O), Stuck_8 (I2), TelAviv_38 (O), Vagabond_41 (O), Vorrps_40 (O), Wildflower_41 (O), Winget_42 (O), Wogge42_40 (O), Xula_8 (I1), YoyoKar_39 (O), YungJamal_44 (O), Zakhe101_41 (O), Zebo_41 (O),

Start 20:
• Found in 7 of 388 (1.8%) of genes in pham
• Manual Annotations of this start: 6 of 330
• Called 100.0% of time when present
• Phage (with cluster) where this start called: DonkeyMan_8 (DY), Heinz_8 (DY), Hibiscus_8 (DY), Jojo24_8 (DY), Reyja_9 (DY), Santhid_8 (DY), Tarzan_8 (DY),

Start 22:
• Found in 29 of 388 (7.5%) of genes in pham
• Manual Annotations of this start: 1 of 330
• Called 3.4% of time when present
• Phage (with cluster) where this start called: Catdawg_41 (O),

Start 25:
• Found in 8 of 388 (2.1%) of genes in pham
• Manual Annotations of this start: 1 of 330
• Called 12.5% of time when present
• Phage (with cluster) where this start called: Che9c_8 (I2),

Start 30:
• Found in 45 of 388 (11.6%) of genes in pham
• Manual Annotations of this start: 42 of 330
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Aggie_8 (N), Andies_8 (N), BabeRuth_8 (N), Bosection6_8 (N), Carcharodon_8 (N), Charlie_8 (N), Chewbacca_8 (N), Cubone_7 (N), Duplicity_8 (N), EGUnicorn_8 (N), Fulbright_8 (N), Gex_8 (N), Hanako_8 (N), Impisi_8 (N), Jamie19_8 (N), Journey_8 (N), Magsby_8 (N), Melville_8 (N), Nenae_8 (N), Panchino_8 (N), Parmesanjohn_8 (N), PhancyPhin_8 (N), Philonius_8 (N), Phloss_8 (N), Phrann_8 (N), Pipsqueaks_8 (N), Purgamenstris_8 (N), Raymond7_8 (N), Rebel_8 (N), Redi_8 (N), Schnauzer_8 (N), Scitech_8 (N), ShrimpFriedEgg_8 (N), Shweta_8 (N), Silvafighter_8 (N), Silvy_8 (N), SkinnyPete_8 (N), Smurph_8 (N), Snekmaggedon_8 (N), Spinach_8 (N), SpongeBob_8 (N), Tapioca_8 (N), Tortoise12_8 (N), Xeno_8 (N), Xerxes_8 (N),

Summary by clusters:

There are 13 clusters represented in this pham: AS3, AS2, AS1, UNK, I1, AK, J, singleton, O, EB, DY, N, I2,

Info for manual annotations of cluster AK:
•Start number 10 was manually annotated 52 times for cluster AK.
•Start number 11 was manually annotated 7 times for cluster AK.
•Start number 13 was manually annotated 25 times for cluster AK.

Info for manual annotations of cluster AS1:
•Start number 7 was manually annotated 12 times for cluster AS1.

Info for manual annotations of cluster AS2:
•Start number 7 was manually annotated 16 times for cluster AS2.

Info for manual annotations of cluster AS3:
•Start number 7 was manually annotated 14 times for cluster AS3.

Info for manual annotations of cluster DY:
•Start number 20 was manually annotated 6 times for cluster DY.

Info for manual annotations of cluster EB:
•Start number 18 was manually annotated 79 times for cluster EB.

Info for manual annotations of cluster I1:
•Start number 19 was manually annotated 3 times for cluster I1.

Info for manual annotations of cluster I2:
•Start number 19 was manually annotated 1 time for cluster I2.
•Start number 25 was manually annotated 1 time for cluster I2.

Info for manual annotations of cluster J:
•Start number 15 was manually annotated 5 times for cluster J.
•Start number 16 was manually annotated 35 times for cluster J.

Info for manual annotations of cluster N:
•Start number 30 was manually annotated 42 times for cluster N.

Info for manual annotations of cluster O:
•Start number 19 was manually annotated 29 times for cluster O.
•Start number 22 was manually annotated 1 time for cluster O.

Gene Information:

Gene: Abidatro_9 Start: 7106, Stop: 7693, Start Num: 7
Candidate Starts for Abidatro_9:
(Start: 7 @7106 has 42 MA's), (41, 7286), (52, 7352), (56, 7370), (61, 7391), (66, 7406), (70, 7427), (103, 7568), (107, 7598),

Gene: Abigail_8 Start: 6884, Stop: 7444, Start Num: 18

Candidate Starts for Abigail_8:
(Start: 18 @6884 has 79 MA's), (44, 7031), (46, 7037), (48, 7061), (59, 7118), (95, 7271), (97, 7280), (109, 7343), (123, 7412),

Gene: AdoptaAdorbs_8 Start: 6714, Stop: 7301, Start Num: 7
Candidate Starts for AdoptaAdorbs_8:
(Start: 7 @6714 has 42 MA's), (37, 6861), (41, 6894), (49, 6939), (54, 6969), (55, 6972), (63, 7005), (69, 7029), (70, 7035), (81, 7080), (86, 7092), (88, 7110), (90, 7119), (103, 7176), (106, 7203), (107, 7206),

Gene: Aggie_8 Start: 5956, Stop: 6441, Start Num: 30
Candidate Starts for Aggie_8:
(8, 5854), (9, 5860), (12, 5872), (Start: 30 @5956 has 42 MA's), (37, 5995), (45, 6043), (48, 6073), (56, 6115), (59, 6130), (63, 6142), (66, 6151), (71, 6175), (87, 6232), (90, 6253), (95, 6274), (110, 6349), (116, 6367), (118, 6382), (125, 6415), (126, 6424),

Gene: Akino08_8 Start: 7012, Stop: 7563, Start Num: 18
Candidate Starts for Akino08_8:
(Start: 18 @7012 has 79 MA's), (44, 7159), (48, 7189), (54, 7222), (57, 7237), (85, 7339), (95, 7390), (109, 7462), (116, 7489),

Gene: Albanese_11 Start: 9268, Stop: 9846, Start Num: 10
Candidate Starts for Albanese_11:
(Start: 10 @9268 has 52 MA's), (Start: 13 @9277 has 25 MA's), (23, 9322), (43, 9439), (46, 9451), (47, 9457), (56, 9520), (63, 9547), (85, 9631), (87, 9637), (92, 9667), (103, 9715), (107, 9745), (128, 9838),

Gene: Albedo_8 Start: 6756, Stop: 7316, Start Num: 18
Candidate Starts for Albedo_8:
(Start: 18 @6756 has 79 MA's), (24, 6789), (44, 6903), (46, 6909), (48, 6933), (59, 6990), (62, 6999), (83, 7089), (109, 7215), (123, 7284),

Gene: Albright_8 Start: 6765, Stop: 7325, Start Num: 18
Candidate Starts for Albright_8:
(Start: 18 @6765 has 79 MA's), (44, 6912), (46, 6918), (48, 6942), (59, 6999), (95, 7152), (97, 7161), (109, 7224), (123, 7293),

Gene: Aledel_7 Start: 6342, Stop: 6923, Start Num: 10
Candidate Starts for Aledel_7:
(Start: 10 @6342 has 52 MA's), (Start: 13 @6351 has 25 MA's), (23, 6396), (31, 6441), (43, 6513), (46, 6525), (47, 6531), (63, 6621), (70, 6651), (83, 6702), (87, 6711), (97, 6762), (98, 6765), (101, 6777), (103, 6789), (107, 6819), (116, 6852), (128, 6912),

Gene: AlexMinion_8 Start: 6740, Stop: 7327, Start Num: 7
Candidate Starts for AlexMinion_8:
(Start: 7 @6740 has 42 MA's), (27, 6833), (54, 6995), (55, 6998), (56, 7004), (61, 7025), (63, 7031), (66, 7040), (69, 7055), (70, 7061), (81, 7106), (86, 7118), (103, 7202), (106, 7229), (107, 7232),

Gene: Alkhayr_41 Start: 21489, Stop: 22094, Start Num: 19
Candidate Starts for Alkhayr_41:
(Start: 19 @21489 has 34 MA's), (Start: 22 @21504 has 1 MA's), (32, 21567), (40, 21615), (41, 21624), (46, 21642), (61, 21732), (66, 21747), (85, 21849), (87, 21855), (94, 21897), (95, 21903), (97, 21912), (98, 21915), (100, 21924), (112, 21987), (125, 22044), (126, 22053), (130, 22080),

Gene: Amanises_10 Start: 7302, Stop: 7889, Start Num: 7
Candidate Starts for Amanises_10:
(Start: 7 @7302 has 42 MA's), (41, 7482), (50, 7530), (55, 7560), (56, 7566), (61, 7587), (64, 7599), (66, 7602), (70, 7623), (78, 7644), (92, 7716), (103, 7764), (116, 7827), (119, 7845),

Gene: Amelia_10 Start: 7302, Stop: 7892, Start Num: 7
Candidate Starts for Amelia_10:
(Start: 7 @7302 has 42 MA's), (21, 7356), (41, 7482), (53, 7551), (55, 7560), (56, 7566), (61, 7587), (68, 7614), (70, 7626), (81, 7671), (103, 7767), (107, 7797), (116, 7830),

Gene: AmiCi24_8 Start: 6714, Stop: 7301, Start Num: 7
Candidate Starts for AmiCi24_8:
(Start: 7 @6714 has 42 MA's), (41, 6894), (49, 6939), (54, 6969), (55, 6972), (63, 7005), (69, 7029), (70, 7035), (81, 7080), (86, 7092), (90, 7119), (103, 7176), (106, 7203), (107, 7206),

Gene: Amphitrite_8 Start: 6712, Stop: 7299, Start Num: 7
Candidate Starts for Amphitrite_8:
(Start: 7 @6712 has 42 MA's), (37, 6859), (41, 6892), (49, 6937), (54, 6967), (55, 6970), (63, 7003), (69, 7027), (70, 7033), (81, 7078), (86, 7090), (88, 7108), (90, 7117), (103, 7174), (106, 7201), (107, 7204),

Gene: Andies_8 Start: 5956, Stop: 6441, Start Num: 30
Candidate Starts for Andies_8:
(8, 5854), (9, 5860), (12, 5872), (Start: 30 @5956 has 42 MA's), (37, 5995), (45, 6043), (48, 6073), (56, 6115), (59, 6130), (63, 6142), (66, 6151), (71, 6175), (87, 6232), (90, 6253), (95, 6274), (110, 6349), (116, 6367), (118, 6382), (125, 6415), (126, 6424),

Gene: Andrew_9 Start: 7093, Stop: 7680, Start Num: 7
Candidate Starts for Andrew_9:
(Start: 7 @7093 has 42 MA's), (53, 7342), (55, 7351), (56, 7357), (61, 7378), (66, 7393), (69, 7408), (70, 7414), (88, 7489), (103, 7555), (106, 7582), (107, 7585),

Gene: AnnaLie_9 Start: 7111, Stop: 7671, Start Num: 18
Candidate Starts for AnnaLie_9:
(Start: 18 @7111 has 79 MA's), (44, 7258), (46, 7264), (48, 7288), (59, 7345), (62, 7354), (95, 7498), (97, 7507), (109, 7570), (123, 7639),

Gene: Antrice_9 Start: 7049, Stop: 7636, Start Num: 7
Candidate Starts for Antrice_9:
(Start: 7 @7049 has 42 MA's), (41, 7229), (55, 7307), (61, 7334), (66, 7349), (70, 7370), (81, 7415), (86, 7427), (103, 7511), (107, 7541), (116, 7574),

Gene: AppleCider_11 Start: 9230, Stop: 9802, Start Num: 11
Candidate Starts for AppleCider_11:
(Start: 11 @9230 has 7 MA's), (43, 9392), (46, 9404), (47, 9410), (52, 9455), (56, 9473), (85, 9584), (87, 9590), (103, 9668), (107, 9698), (117, 9743), (118, 9746), (126, 9788), (128, 9791),

Gene: Ariel_23 Start: 13524, Stop: 14096, Start Num: 15
Candidate Starts for Ariel_23:
(Start: 15 @13524 has 5 MA's), (Start: 16 @13527 has 35 MA's), (42, 13668), (61, 13770), (72, 13812), (96, 13914), (102, 13941), (106, 13977), (111, 13998), (115, 14016), (120, 14049), (122, 14061), (127, 14082),

Gene: Armstrong_7 Start: 6533, Stop: 7093, Start Num: 18
Candidate Starts for Armstrong_7:
(Start: 18 @6533 has 79 MA's), (83, 6866), (99, 6938),

Gene: Arroyo_9 Start: 7235, Stop: 7795, Start Num: 18
Candidate Starts for Arroyo_9:
(Start: 18 @7235 has 79 MA's), (44, 7382), (46, 7388), (48, 7412), (59, 7469), (95, 7622), (97, 7631), (109, 7694), (123, 7763),

Gene: Ashwin_42 Start: 21487, Stop: 22092, Start Num: 19
Candidate Starts for Ashwin_42:
(Start: 19 @21487 has 34 MA's), (Start: 22 @21502 has 1 MA's), (32, 21565), (40, 21613), (41, 21622), (46, 21640), (61, 21730), (66, 21745), (85, 21847), (87, 21853), (94, 21895), (95, 21901), (97, 21910), (98, 21913), (100, 21922), (112, 21985), (125, 22042), (126, 22051), (130, 22078),

Gene: Atlantica_8 Start: 6714, Stop: 7301, Start Num: 7
Candidate Starts for Atlantica_8:
(Start: 7 @6714 has 42 MA's), (41, 6894), (49, 6939), (54, 6969), (55, 6972), (63, 7005), (69, 7029), (70, 7035), (81, 7080), (86, 7092), (88, 7110), (90, 7119), (103, 7176), (106, 7203), (107, 7206),

Gene: AustinPowers_7 Start: 6343, Stop: 6924, Start Num: 10
Candidate Starts for AustinPowers_7:
(Start: 10 @6343 has 52 MA's), (Start: 13 @6352 has 25 MA's), (23, 6397), (31, 6442), (43, 6514), (46, 6526), (47, 6532), (56, 6595), (59, 6610), (63, 6622), (66, 6631), (70, 6652), (83, 6703), (87, 6712), (97, 6763), (98, 6766), (101, 6778), (103, 6790), (107, 6820), (116, 6853), (128, 6913),

Gene: AvGardian_8 Start: 6822, Stop: 7373, Start Num: 18
Candidate Starts for AvGardian_8:
(Start: 18 @6822 has 79 MA's), (44, 6969), (46, 6975), (48, 6999), (54, 7032), (57, 7047), (85, 7149), (89, 7176), (109, 7272), (123, 7341),

Gene: Avocadoman_8 Start: 6823, Stop: 7383, Start Num: 18
Candidate Starts for Avocadoman_8:
(Start: 18 @6823 has 79 MA's), (44, 6970), (46, 6976), (48, 7000), (59, 7057), (95, 7210), (97, 7219), (109, 7282), (123, 7351),

Gene: AylexOG_9 Start: 7107, Stop: 7667, Start Num: 18
Candidate Starts for AylexOG_9:
(Start: 18 @7107 has 79 MA's), (44, 7254), (46, 7260), (48, 7284), (97, 7503), (109, 7566), (123, 7635),

Gene: Azaz_8 Start: 6765, Stop: 7352, Start Num: 7
Candidate Starts for Azaz_8:
(Start: 7 @6765 has 42 MA's), (27, 6858), (32, 6888), (41, 6945), (54, 7020), (55, 7023), (61, 7050), (70, 7086), (81, 7131), (88, 7161), (103, 7227), (106, 7254), (107, 7257),

Gene: BAKA_22 Start: 15634, Stop: 16203, Start Num: 16
Candidate Starts for BAKA_22:
(Start: 16 @15634 has 35 MA's), (72, 15919), (91, 16000), (98, 16030), (101, 16045), (102, 16048), (106, 16084), (108, 16090), (115, 16123), (127, 16189),

Gene: BAjuniper_8 Start: 6709, Stop: 7266, Start Num: 18
Candidate Starts for BAjuniper_8:

(3, 6496), (Start: 18 @6709 has 79 MA's), (44, 6856), (48, 6886), (54, 6919), (56, 6928), (73, 7000), (79, 7024), (95, 7093), (97, 7102), (107, 7159), (109, 7165),

Gene: BFK20_ORF8 Start: 6306, Stop: 6848, Start Num: 17
Candidate Starts for BFK20_ORF8:
(17, 6306), (23, 6339), (28, 6366), (33, 6393), (34, 6402), (37, 6414), (39, 6423), (40, 6438), (59, 6546), (75, 6609), (82, 6642), (87, 6654), (93, 6687), (97, 6705), (109, 6765), (113, 6777),

Gene: BabeRuth_8 Start: 5997, Stop: 6482, Start Num: 30
Candidate Starts for BabeRuth_8:
(9, 5883), (12, 5895), (Start: 30 @5997 has 42 MA's), (37, 6036), (38, 6042), (45, 6084), (48, 6114), (63, 6183), (71, 6216), (87, 6273), (90, 6294), (95, 6315), (110, 6390), (116, 6408), (118, 6423), (126, 6465),

Gene: Babsiella_9 Start: 6984, Stop: 7529, Start Num: 19
Candidate Starts for Babsiella_9:
(4, 6798), (Start: 19 @6984 has 34 MA's), (Start: 25 @7020 has 1 MA's), (40, 7107), (41, 7116), (48, 7161), (54, 7194), (87, 7320), (122, 7494), (127, 7515),

Gene: Babushka_8 Start: 6762, Stop: 7349, Start Num: 7
Candidate Starts for Babushka_8:
(Start: 7 @6762 has 42 MA's), (27, 6855), (41, 6942), (49, 6987), (54, 7017), (55, 7020), (61, 7047), (63, 7053), (70, 7083), (81, 7128), (88, 7158), (103, 7224), (106, 7251), (107, 7254),

Gene: BabyDaisy_9 Start: 6993, Stop: 7544, Start Num: 18
Candidate Starts for BabyDaisy_9:
(Start: 18 @6993 has 79 MA's), (24, 7026), (44, 7140), (46, 7146), (48, 7170), (54, 7203), (57, 7218), (85, 7320), (95, 7371), (109, 7443), (113, 7455),

Gene: BabyYoda_8 Start: 7015, Stop: 7566, Start Num: 18
Candidate Starts for BabyYoda_8:
(Start: 18 @7015 has 79 MA's), (44, 7162), (48, 7192), (54, 7225), (57, 7240), (85, 7342), (95, 7393), (109, 7465), (116, 7492),

Gene: Bachaco_8 Start: 6906, Stop: 7457, Start Num: 18
Candidate Starts for Bachaco_8:
(Start: 18 @6906 has 79 MA's), (44, 7053), (46, 7059), (48, 7083), (54, 7116), (57, 7131), (95, 7284), (109, 7356),

Gene: Bagrid_23 Start: 15423, Stop: 15992, Start Num: 16
Candidate Starts for Bagrid_23:
(Start: 16 @15423 has 35 MA's), (72, 15708), (91, 15789), (98, 15819), (101, 15834), (102, 15837), (106, 15873), (108, 15879), (115, 15912), (127, 15978),

Gene: Basilisk_9 Start: 7430, Stop: 8017, Start Num: 7
Candidate Starts for Basilisk_9:
(Start: 7 @7430 has 42 MA's), (41, 7610), (52, 7676), (55, 7688), (56, 7694), (61, 7715), (66, 7730), (70, 7751), (103, 7892), (107, 7922),

Gene: Bedetta_10 Start: 7302, Stop: 7892, Start Num: 7
Candidate Starts for Bedetta_10:
(Start: 7 @7302 has 42 MA's), (21, 7356), (41, 7482), (53, 7551), (55, 7560), (56, 7566), (61, 7587), (68, 7614), (70, 7626), (81, 7671), (103, 7767), (107, 7797), (116, 7830),

Gene: Beem_25 Start: 15989, Stop: 16558, Start Num: 16
Candidate Starts for Beem_25:
(Start: 16 @15989 has 35 MA's), (72, 16274), (91, 16355), (98, 16385), (101, 16400), (102, 16403), (106, 16439), (108, 16445), (115, 16478), (127, 16544),

Gene: Beethoven_11 Start: 9184, Stop: 9762, Start Num: 10
Candidate Starts for Beethoven_11:
(Start: 10 @9184 has 52 MA's), (Start: 13 @9193 has 25 MA's), (23, 9238), (46, 9367), (47, 9373), (52, 9418), (56, 9436), (59, 9451), (63, 9463), (83, 9544), (85, 9547), (87, 9553), (97, 9604), (98, 9607), (101, 9619), (103, 9631), (107, 9661), (114, 9682), (117, 9706), (123, 9736), (126, 9751), (128, 9754),

Gene: BelmontSKP_9 Start: 7111, Stop: 7671, Start Num: 18
Candidate Starts for BelmontSKP_9:
(Start: 18 @7111 has 79 MA's), (44, 7258), (46, 7264), (48, 7288), (59, 7345), (62, 7354), (95, 7498), (97, 7507), (109, 7570), (123, 7639),

Gene: Bengal_8 Start: 6765, Stop: 7325, Start Num: 18
Candidate Starts for Bengal_8:
(Start: 18 @6765 has 79 MA's), (44, 6912), (46, 6918), (48, 6942), (59, 6999), (95, 7152), (97, 7161), (109, 7224), (123, 7293),

Gene: Bennie_7 Start: 6329, Stop: 6907, Start Num: 10
Candidate Starts for Bennie_7:
(Start: 10 @6329 has 52 MA's), (Start: 13 @6338 has 25 MA's), (23, 6383), (46, 6512), (47, 6518), (56, 6581), (63, 6608), (85, 6692), (87, 6698), (97, 6749), (98, 6752), (101, 6764), (103, 6776), (107, 6806), (117, 6851), (123, 6881), (126, 6896), (128, 6899),

Gene: Bernstein_7 Start: 6593, Stop: 7153, Start Num: 18
Candidate Starts for Bernstein_7:
(Start: 18 @6593 has 79 MA's), (83, 6926), (99, 6998),

Gene: Bibble12_10 Start: 7305, Stop: 7895, Start Num: 7
Candidate Starts for Bibble12_10:
(Start: 7 @7305 has 42 MA's), (21, 7359), (41, 7485), (53, 7554), (55, 7563), (56, 7569), (61, 7590), (68, 7617), (70, 7629), (81, 7674), (103, 7770), (107, 7800), (116, 7833),

Gene: BigMack_7 Start: 6338, Stop: 6907, Start Num: 13
Candidate Starts for BigMack_7:
(Start: 10 @6329 has 52 MA's), (Start: 13 @6338 has 25 MA's), (23, 6383), (46, 6512), (47, 6518), (56, 6581), (61, 6602), (63, 6608), (85, 6692), (87, 6698), (97, 6749), (98, 6752), (101, 6764), (103, 6776), (107, 6806), (117, 6851), (123, 6881), (126, 6896), (128, 6899),

Gene: Blessica_42 Start: 21890, Stop: 22495, Start Num: 19
Candidate Starts for Blessica_42:
(Start: 19 @21890 has 34 MA's), (Start: 22 @21905 has 1 MA's), (32, 21968), (40, 22016), (41, 22025), (46, 22043), (61, 22133), (66, 22148), (85, 22250), (87, 22256), (94, 22298), (95, 22304), (97, 22313), (98, 22316), (100, 22325), (112, 22388), (125, 22445), (126, 22454), (130, 22481),

Gene: Bluvara_9 Start: 6985, Stop: 7530, Start Num: 19
Candidate Starts for Bluvara_9:
(4, 6799), (6, 6886), (Start: 19 @6985 has 34 MA's), (Start: 25 @7021 has 1 MA's), (40, 7108), (41, 7117), (48, 7162), (54, 7195), (87, 7321), (96, 7372), (122, 7495), (127, 7516),

Gene: Bobby_26 Start: 15942, Stop: 16511, Start Num: 16
Candidate Starts for Bobby_26:
(Start: 16 @15942 has 35 MA's), (72, 16227), (91, 16308), (98, 16338), (102, 16356), (106, 16392), (108, 16398), (115, 16431), (127, 16497),

Gene: Bodacious_7 Start: 6336, Stop: 6905, Start Num: 13
Candidate Starts for Bodacious_7:
(Start: 10 @6327 has 52 MA's), (Start: 13 @6336 has 25 MA's), (23, 6381), (46, 6510), (47, 6516), (56, 6579), (63, 6606), (70, 6636), (83, 6687), (85, 6690), (87, 6696), (97, 6747), (98, 6750), (103, 6774), (107, 6804), (117, 6849), (123, 6879), (126, 6894), (128, 6897),

Gene: Bombitas_22 Start: 15299, Stop: 15868, Start Num: 16
Candidate Starts for Bombitas_22:
(Start: 16 @15299 has 35 MA's), (41, 15437), (53, 15506), (72, 15584), (91, 15665), (98, 15695), (101, 15710), (102, 15713), (106, 15749), (108, 15755), (115, 15788), (127, 15854),

Gene: Bora_38 Start: 20940, Stop: 21545, Start Num: 19
Candidate Starts for Bora_38:
(Start: 19 @20940 has 34 MA's), (Start: 22 @20955 has 1 MA's), (32, 21018), (40, 21066), (41, 21075), (46, 21093), (61, 21183), (66, 21198), (85, 21300), (87, 21306), (94, 21348), (95, 21354), (97, 21363), (98, 21366), (100, 21375), (112, 21438), (125, 21495), (126, 21504), (130, 21531),

Gene: Bosection6_8 Start: 5956, Stop: 6441, Start Num: 30
Candidate Starts for Bosection6_8:
(8, 5854), (9, 5860), (12, 5872), (Start: 30 @5956 has 42 MA's), (37, 5995), (45, 6043), (48, 6073), (56, 6115), (59, 6130), (63, 6142), (66, 6151), (71, 6175), (87, 6232), (90, 6253), (95, 6274), (110, 6349), (116, 6367), (118, 6382), (125, 6415), (126, 6424),

Gene: Brahms_7 Start: 6533, Stop: 7093, Start Num: 18
Candidate Starts for Brahms_7:
(Start: 18 @6533 has 79 MA's), (83, 6866), (99, 6938),

Gene: BronnyJames_17 Start: 12159, Stop: 12728, Start Num: 16
Candidate Starts for BronnyJames_17:
(Start: 15 @12156 has 5 MA's), (Start: 16 @12159 has 35 MA's), (42, 12300), (61, 12402), (72, 12444), (96, 12546), (98, 12555), (102, 12573), (106, 12609), (111, 12630), (115, 12648), (120, 12681), (122, 12693), (127, 12714),

Gene: BrotherBLo_11 Start: 9191, Stop: 9769, Start Num: 10
Candidate Starts for BrotherBLo_11:
(Start: 10 @9191 has 52 MA's), (Start: 13 @9200 has 25 MA's), (23, 9245), (46, 9374), (47, 9380), (56, 9443), (58, 9452), (59, 9458), (61, 9464), (63, 9470), (70, 9500), (85, 9554), (87, 9560), (97, 9611), (98, 9614), (101, 9626), (103, 9638), (107, 9668), (114, 9689), (117, 9713), (123, 9743), (126, 9758), (128, 9761),

Gene: Brynnie_9 Start: 7242, Stop: 7829, Start Num: 7
Candidate Starts for Brynnie_9:
(Start: 7 @7242 has 42 MA's), (41, 7422), (52, 7488), (55, 7500), (56, 7506), (61, 7527), (66, 7542), (70, 7563), (103, 7704), (107, 7734),

Gene: BubbaBear_8 Start: 6756, Stop: 7316, Start Num: 18
Candidate Starts for BubbaBear_8:

(Start: 18 @6756 has 79 MA's), (24, 6789), (44, 6903), (46, 6909), (48, 6933), (59, 6990), (62, 6999), (83, 7089), (109, 7215), (123, 7284),

Gene: Buldak_8 Start: 7041, Stop: 7601, Start Num: 18
Candidate Starts for Buldak_8:
(Start: 18 @7041 has 79 MA's), (44, 7191), (46, 7197), (56, 7263), (57, 7269), (59, 7278), (85, 7377), (95, 7428), (99, 7446), (107, 7494), (109, 7500),

Gene: Burritobowl_8 Start: 6792, Stop: 7352, Start Num: 18
Candidate Starts for Burritobowl_8:
(Start: 18 @6792 has 79 MA's), (44, 6939), (46, 6945), (48, 6969), (59, 7026), (62, 7035), (95, 7179), (97, 7188), (109, 7251), (123, 7320),

Gene: CallieOMalley_11 Start: 9230, Stop: 9802, Start Num: 11
Candidate Starts for CallieOMalley_11:
(Start: 11 @9230 has 7 MA's), (43, 9392), (46, 9404), (47, 9410), (52, 9455), (56, 9473), (85, 9584), (87, 9590), (103, 9668), (107, 9698), (117, 9743), (118, 9746), (126, 9788), (128, 9791),

Gene: Camara_8 Start: 6715, Stop: 7302, Start Num: 7
Candidate Starts for Camara_8:
(Start: 7 @6715 has 42 MA's), (41, 6895), (54, 6970), (55, 6973), (63, 7006), (69, 7030), (70, 7036), (81, 7081), (86, 7093), (88, 7111), (90, 7120), (103, 7177), (106, 7204), (107, 7207),

Gene: Canowicakte_11 Start: 9265, Stop: 9837, Start Num: 11
Candidate Starts for Canowicakte_11:
(Start: 11 @9265 has 7 MA's), (43, 9427), (46, 9439), (47, 9445), (52, 9490), (85, 9619), (87, 9625), (103, 9703), (107, 9733), (117, 9778), (118, 9781), (126, 9823), (128, 9826),

Gene: Carcharodon_8 Start: 5956, Stop: 6441, Start Num: 30
Candidate Starts for Carcharodon_8:
(8, 5854), (9, 5860), (12, 5872), (Start: 30 @5956 has 42 MA's), (37, 5995), (45, 6043), (48, 6073), (56, 6115), (59, 6130), (63, 6142), (66, 6151), (71, 6175), (87, 6232), (90, 6253), (95, 6274), (110, 6349), (116, 6367), (118, 6382), (125, 6415), (126, 6424),

Gene: Carpal_11 Start: 9191, Stop: 9769, Start Num: 10
Candidate Starts for Carpal_11:
(Start: 10 @9191 has 52 MA's), (Start: 13 @9200 has 25 MA's), (23, 9245), (46, 9374), (47, 9380), (52, 9425), (56, 9443), (59, 9458), (63, 9470), (83, 9551), (85, 9554), (87, 9560), (97, 9611), (98, 9614), (101, 9626), (103, 9638), (107, 9668), (114, 9689), (117, 9713), (123, 9743), (126, 9758), (128, 9761),

Gene: Cashington_8 Start: 6782, Stop: 7342, Start Num: 18
Candidate Starts for Cashington_8:
(Start: 18 @6782 has 79 MA's), (44, 6929), (46, 6935), (48, 6959), (97, 7178), (109, 7241), (123, 7310),

Gene: Catdawg_41 Start: 21594, Stop: 22184, Start Num: 22
Candidate Starts for Catdawg_41:
(Start: 19 @21579 has 34 MA's), (Start: 22 @21594 has 1 MA's), (32, 21657), (40, 21705), (41, 21714), (46, 21732), (61, 21822), (66, 21837), (85, 21939), (87, 21945), (94, 21987), (95, 21993), (97, 22002), (98, 22005), (100, 22014), (112, 22077), (125, 22134), (126, 22143), (130, 22170),

Gene: Celaena_8 Start: 6843, Stop: 7394, Start Num: 18
Candidate Starts for Celaena_8:

(Start: 18 @6843 has 79 MA's), (44, 6990), (46, 6996), (48, 7020), (54, 7053), (57, 7068), (95, 7221), (109, 7293),

Gene: Charlie_8 Start: 5956, Stop: 6441, Start Num: 30
Candidate Starts for Charlie_8:
(8, 5854), (9, 5860), (12, 5872), (Start: 30 @5956 has 42 MA's), (37, 5995), (45, 6043), (48, 6073), (56, 6115), (59, 6130), (63, 6142), (66, 6151), (71, 6175), (87, 6232), (90, 6253), (95, 6274), (110, 6349), (116, 6367), (118, 6382), (125, 6415), (126, 6424),

Gene: Che9c_8 Start: 6622, Stop: 7134, Start Num: 25
Candidate Starts for Che9c_8:
(1, 6289), (2, 6328), (5, 6463), (Start: 19 @6586 has 34 MA's), (Start: 25 @6622 has 1 MA's), (34, 6673), (40, 6709), (41, 6718), (46, 6736), (48, 6763), (52, 6787), (53, 6790), (54, 6796), (63, 6832), (95, 6970), (96, 6973), (117, 7072), (122, 7099),

Gene: ChewChew_7 Start: 6326, Stop: 6904, Start Num: 10
Candidate Starts for ChewChew_7:
(Start: 10 @6326 has 52 MA's), (Start: 13 @6335 has 25 MA's), (23, 6380), (46, 6509), (47, 6515), (56, 6578), (59, 6593), (63, 6605), (70, 6635), (83, 6686), (85, 6689), (87, 6695), (97, 6746), (98, 6749), (103, 6773), (107, 6803), (117, 6848), (123, 6878), (126, 6893), (128, 6896),

Gene: Chewbacca_8 Start: 5956, Stop: 6441, Start Num: 30
Candidate Starts for Chewbacca_8:
(8, 5854), (9, 5860), (12, 5872), (Start: 30 @5956 has 42 MA's), (37, 5995), (45, 6043), (48, 6073), (56, 6115), (59, 6130), (63, 6142), (66, 6151), (71, 6175), (87, 6232), (90, 6253), (95, 6274), (110, 6349), (116, 6367), (118, 6382), (125, 6415), (126, 6424),

Gene: Chickaboom_8 Start: 6787, Stop: 7374, Start Num: 7
Candidate Starts for Chickaboom_8:
(Start: 7 @6787 has 42 MA's), (41, 6967), (52, 7033), (55, 7045), (56, 7051), (61, 7072), (66, 7087), (70, 7108), (103, 7249), (107, 7279),

Gene: Chicken_9 Start: 7090, Stop: 7677, Start Num: 7
Candidate Starts for Chicken_9:
(Start: 7 @7090 has 42 MA's), (41, 7270), (50, 7318), (55, 7348), (56, 7354), (61, 7375), (66, 7390), (70, 7411), (78, 7432), (84, 7462), (103, 7552), (116, 7615),

Gene: ChiliPepper_8 Start: 6996, Stop: 7553, Start Num: 18
Candidate Starts for ChiliPepper_8:
(Start: 18 @6996 has 79 MA's), (44, 7143), (48, 7173), (83, 7326), (97, 7389), (109, 7452), (123, 7521),

Gene: Cholula_11 Start: 9236, Stop: 9814, Start Num: 10
Candidate Starts for Cholula_11:
(Start: 10 @9236 has 52 MA's), (Start: 13 @9245 has 25 MA's), (23, 9290), (46, 9419), (47, 9425), (52, 9470), (56, 9488), (59, 9503), (63, 9515), (83, 9596), (85, 9599), (87, 9605), (97, 9656), (98, 9659), (101, 9671), (103, 9683), (107, 9713), (114, 9734), (117, 9758), (123, 9788), (126, 9803), (128, 9806),

Gene: Chridison_7 Start: 6343, Stop: 6924, Start Num: 10
Candidate Starts for Chridison_7:
(Start: 10 @6343 has 52 MA's), (Start: 13 @6352 has 25 MA's), (23, 6397), (31, 6442), (43, 6514), (46, 6526), (47, 6532), (56, 6595), (59, 6610), (63, 6622), (66, 6631), (70, 6652), (83, 6703), (87, 6712), (97, 6763), (98, 6766), (101, 6778), (103, 6790), (107, 6820), (116, 6853), (128, 6913),

Gene: Christian_7 Start: 6327, Stop: 6905, Start Num: 10
Candidate Starts for Christian_7:
(Start: 10 @6327 has 52 MA's), (Start: 13 @6336 has 25 MA's), (23, 6381), (46, 6510), (47, 6516), (56, 6579), (59, 6594), (63, 6606), (70, 6636), (83, 6687), (85, 6690), (87, 6696), (97, 6747), (98, 6750), (103, 6774), (107, 6804), (117, 6849), (123, 6879), (126, 6894), (128, 6897),

Gene: Clayda5_7 Start: 6533, Stop: 7093, Start Num: 18
Candidate Starts for Clayda5_7:
(Start: 18 @6533 has 79 MA's), (83, 6866), (99, 6938),

Gene: CliffHanger_9 Start: 6740, Stop: 7300, Start Num: 18
Candidate Starts for CliffHanger_9:
(Start: 18 @6740 has 79 MA's), (44, 6890), (46, 6896), (85, 7076), (101, 7151), (109, 7199),

Gene: Coltrane_7 Start: 6533, Stop: 7093, Start Num: 18
Candidate Starts for Coltrane_7:
(Start: 18 @6533 has 79 MA's), (83, 6866), (99, 6938),

Gene: Colusalem_9 Start: 7141, Stop: 7731, Start Num: 7
Candidate Starts for Colusalem_9:
(Start: 7 @7141 has 42 MA's), (21, 7195), (41, 7321), (53, 7390), (55, 7399), (56, 7405), (61, 7426), (68, 7453), (70, 7465), (81, 7510), (103, 7606), (107, 7636), (116, 7669),

Gene: Constella_20 Start: 14812, Stop: 15381, Start Num: 16
Candidate Starts for Constella_20:
(Start: 16 @14812 has 35 MA's), (41, 14950), (72, 15097), (91, 15178), (98, 15208), (101, 15223), (102, 15226), (106, 15262), (108, 15268), (115, 15301), (127, 15367),

Gene: Coral_9 Start: 7141, Stop: 7731, Start Num: 7
Candidate Starts for Coral_9:
(Start: 7 @7141 has 42 MA's), (21, 7195), (41, 7321), (53, 7390), (55, 7399), (56, 7405), (61, 7426), (68, 7453), (70, 7465), (81, 7510), (103, 7606), (107, 7636), (116, 7669),

Gene: Corndog_43 Start: 22037, Stop: 22642, Start Num: 19
Candidate Starts for Corndog_43:
(Start: 19 @22037 has 34 MA's), (32, 22115), (40, 22163), (41, 22172), (46, 22190), (51, 22226), (61, 22280), (66, 22295), (85, 22397), (87, 22403), (94, 22445), (95, 22451), (97, 22460), (98, 22463), (100, 22472), (112, 22535), (125, 22592), (126, 22601), (130, 22628),

Gene: Cote_10 Start: 7302, Stop: 7892, Start Num: 7
Candidate Starts for Cote_10:
(Start: 7 @7302 has 42 MA's), (21, 7356), (41, 7482), (53, 7551), (55, 7560), (56, 7566), (61, 7587), (68, 7614), (70, 7626), (81, 7671), (103, 7767), (107, 7797), (116, 7830),

Gene: Courthouse_23 Start: 13926, Stop: 14498, Start Num: 15
Candidate Starts for Courthouse_23:
(Start: 15 @13926 has 5 MA's), (Start: 16 @13929 has 35 MA's), (42, 14070), (61, 14172), (72, 14214), (96, 14316), (98, 14325), (102, 14343), (106, 14379), (111, 14400), (115, 14418), (120, 14451), (122, 14463), (127, 14484),

Gene: CristinaYang_7 Start: 6336, Stop: 6905, Start Num: 13
Candidate Starts for CristinaYang_7:

(Start: 10 @6327 has 52 MA's), (Start: 13 @6336 has 25 MA's), (23, 6381), (46, 6510), (47, 6516), (56, 6579), (63, 6606), (70, 6636), (83, 6687), (85, 6690), (87, 6696), (97, 6747), (98, 6750), (103, 6774), (107, 6804), (117, 6849), (123, 6879), (126, 6894), (128, 6897),

Gene: CroZenni_8 Start: 6765, Stop: 7325, Start Num: 18
Candidate Starts for CroZenni_8:
(Start: 18 @6765 has 79 MA's), (44, 6912), (46, 6918), (48, 6942), (59, 6999), (62, 7008), (95, 7152), (97, 7161), (109, 7224), (123, 7293),

Gene: Cubone_7 Start: 5980, Stop: 6465, Start Num: 30
Candidate Starts for Cubone_7:
(9, 5866), (12, 5878), (Start: 30 @5980 has 42 MA's), (37, 6019), (45, 6067), (48, 6097), (56, 6139), (59, 6154), (63, 6166), (66, 6175), (71, 6199), (87, 6256), (90, 6277), (95, 6298), (110, 6373), (116, 6391), (118, 6406), (125, 6439), (126, 6448),

Gene: CupcakePrincess_8 Start: 6742, Stop: 7302, Start Num: 18
Candidate Starts for CupcakePrincess_8:
(Start: 18 @6742 has 79 MA's), (44, 6889), (46, 6895), (48, 6919), (97, 7138), (109, 7201), (123, 7270),

Gene: Cygnet_9 Start: 7088, Stop: 7678, Start Num: 7
Candidate Starts for Cygnet_9:
(Start: 7 @7088 has 42 MA's), (55, 7346), (61, 7373), (63, 7379), (66, 7388), (70, 7409), (81, 7457), (86, 7469), (103, 7553), (107, 7583),

Gene: Daiboju_7 Start: 6353, Stop: 6925, Start Num: 13
Candidate Starts for Daiboju_7:
(Start: 10 @6344 has 52 MA's), (Start: 13 @6353 has 25 MA's), (23, 6398), (31, 6443), (46, 6527), (47, 6533), (63, 6623), (70, 6653), (83, 6704), (87, 6713), (103, 6791), (107, 6821), (123, 6896), (128, 6914),

Gene: Dallas_25 Start: 15529, Stop: 16098, Start Num: 16
Candidate Starts for Dallas_25:
(Start: 16 @15529 has 35 MA's), (72, 15814), (91, 15895), (98, 15925), (101, 15940), (102, 15943), (106, 15979), (108, 15985), (115, 16018), (127, 16084),

Gene: DanHam62_8 Start: 6714, Stop: 7301, Start Num: 7
Candidate Starts for DanHam62_8:
(Start: 7 @6714 has 42 MA's), (37, 6861), (41, 6894), (49, 6939), (54, 6969), (55, 6972), (63, 7005), (69, 7029), (70, 7035), (81, 7080), (86, 7092), (88, 7110), (90, 7119), (103, 7176), (106, 7203), (107, 7206),

Gene: Daob_10 Start: 7305, Stop: 7895, Start Num: 7
Candidate Starts for Daob_10:
(Start: 7 @7305 has 42 MA's), (21, 7359), (41, 7485), (53, 7554), (55, 7563), (56, 7569), (61, 7590), (68, 7617), (70, 7629), (81, 7674), (103, 7770), (107, 7800), (116, 7833),

Gene: DickRichards_8 Start: 7259, Stop: 7819, Start Num: 18
Candidate Starts for DickRichards_8:
(Start: 18 @7259 has 79 MA's), (44, 7406), (46, 7412), (48, 7436), (59, 7493), (62, 7502), (95, 7646), (97, 7655), (109, 7718), (123, 7787),

Gene: Didgeridoo_9 Start: 6993, Stop: 7544, Start Num: 18
Candidate Starts for Didgeridoo_9:

(Start: 18 @6993 has 79 MA's), (24, 7026), (44, 7140), (46, 7146), (48, 7170), (54, 7203), (57, 7218), (85, 7320), (95, 7371), (109, 7443), (113, 7455), (116, 7470),

Gene: Dino_11 Start: 9190, Stop: 9768, Start Num: 10
Candidate Starts for Dino_11:
(Start: 10 @9190 has 52 MA's), (Start: 13 @9199 has 25 MA's), (23, 9244), (46, 9373), (47, 9379), (52, 9424), (56, 9442), (59, 9457), (63, 9469), (83, 9550), (85, 9553), (87, 9559), (97, 9610), (98, 9613), (101, 9625), (103, 9637), (107, 9667), (114, 9688), (117, 9712), (123, 9742), (126, 9757), (128, 9760),

Gene: DirtyBubble_8 Start: 7014, Stop: 7574, Start Num: 18
Candidate Starts for DirtyBubble_8:
(Start: 18 @7014 has 79 MA's), (44, 7161), (46, 7167), (48, 7191), (59, 7248), (95, 7401), (97, 7410), (109, 7473), (116, 7500), (129, 7569),

Gene: Dismas_8 Start: 6996, Stop: 7553, Start Num: 18
Candidate Starts for Dismas_8:
(Start: 18 @6996 has 79 MA's), (44, 7143), (48, 7173), (83, 7326), (97, 7389), (109, 7452), (123, 7521),

Gene: DmpstrDiver_24 Start: 16165, Stop: 16734, Start Num: 16
Candidate Starts for DmpstrDiver_24:
(Start: 16 @16165 has 35 MA's), (72, 16450), (91, 16531), (98, 16561), (101, 16576), (102, 16579), (106, 16615), (108, 16621), (115, 16654), (127, 16720),

Gene: DonkeyMan_8 Start: 6278, Stop: 6811, Start Num: 20
Candidate Starts for DonkeyMan_8:
(Start: 20 @6278 has 6 MA's), (37, 6374), (46, 6425), (47, 6431), (87, 6605), (128, 6800),

Gene: Doobus_8 Start: 6987, Stop: 7556, Start Num: 18
Candidate Starts for Doobus_8:
(Start: 18 @6987 has 79 MA's), (44, 7134), (46, 7140), (95, 7383), (97, 7392), (123, 7524),

Gene: Dove_23 Start: 15298, Stop: 15867, Start Num: 16
Candidate Starts for Dove_23:
(Start: 16 @15298 has 35 MA's), (41, 15436), (53, 15505), (72, 15583), (91, 15664), (98, 15694), (101, 15709), (102, 15712), (106, 15748), (108, 15754), (115, 15787), (127, 15853),

Gene: DrRobert_7 Start: 6327, Stop: 6905, Start Num: 10
Candidate Starts for DrRobert_7:
(Start: 10 @6327 has 52 MA's), (Start: 13 @6336 has 25 MA's), (23, 6381), (46, 6510), (47, 6516), (56, 6579), (59, 6594), (63, 6606), (70, 6636), (83, 6687), (85, 6690), (87, 6696), (97, 6747), (98, 6750), (103, 6774), (107, 6804), (117, 6849), (123, 6879), (126, 6894), (128, 6897),

Gene: DreamTeam_7 Start: 6382, Stop: 6951, Start Num: 13
Candidate Starts for DreamTeam_7:
(Start: 10 @6373 has 52 MA's), (Start: 13 @6382 has 25 MA's), (23, 6427), (46, 6556), (47, 6562), (63, 6652), (71, 6685), (83, 6733), (87, 6742), (97, 6793), (98, 6796), (101, 6808), (103, 6820), (107, 6850), (114, 6871), (117, 6895), (123, 6925), (126, 6940), (128, 6943),

Gene: Duke13_22 Start: 15563, Stop: 16132, Start Num: 16
Candidate Starts for Duke13_22:
(Start: 16 @15563 has 35 MA's), (41, 15701), (72, 15848), (91, 15929), (98, 15959), (101, 15974), (102, 15977), (106, 16013), (108, 16019), (115, 16052), (127, 16118),

Gene: Duplicity_8 Start: 5956, Stop: 6441, Start Num: 30
Candidate Starts for Duplicity_8:
(8, 5854), (9, 5860), (12, 5872), (Start: 30 @5956 has 42 MA's), (37, 5995), (45, 6043), (48, 6073), (56, 6115), (59, 6130), (63, 6142), (66, 6151), (71, 6175), (87, 6232), (90, 6253), (95, 6274), (110, 6349), (116, 6367), (118, 6382), (125, 6415), (126, 6424),

Gene: Dylan_40 Start: 21292, Stop: 21897, Start Num: 19
Candidate Starts for Dylan_40:
(Start: 19 @21292 has 34 MA's), (Start: 22 @21307 has 1 MA's), (32, 21370), (40, 21418), (41, 21427), (46, 21445), (61, 21535), (66, 21550), (85, 21652), (87, 21658), (94, 21700), (95, 21706), (97, 21715), (98, 21718), (100, 21727), (112, 21790), (125, 21847), (126, 21856), (130, 21883),

Gene: EGUnicorn_8 Start: 5956, Stop: 6441, Start Num: 30
Candidate Starts for EGUnicorn_8:
(8, 5854), (9, 5860), (12, 5872), (Start: 30 @5956 has 42 MA's), (37, 5995), (45, 6043), (48, 6073), (56, 6115), (59, 6130), (63, 6142), (66, 6151), (71, 6175), (87, 6232), (90, 6253), (95, 6274), (110, 6349), (116, 6367), (118, 6382), (125, 6415), (126, 6424),

Gene: Eden_7 Start: 6625, Stop: 7182, Start Num: 18
Candidate Starts for Eden_7:
(Start: 18 @6625 has 79 MA's), (46, 6778), (57, 6850), (95, 7009), (99, 7027),

Gene: Eesa_9 Start: 7305, Stop: 7892, Start Num: 7
Candidate Starts for Eesa_9:
(Start: 7 @7305 has 42 MA's), (33, 7431), (41, 7485), (50, 7533), (55, 7563), (56, 7569), (61, 7590), (66, 7605), (70, 7626), (78, 7647), (84, 7677), (92, 7719), (103, 7767), (116, 7830),

Gene: Ejimix_26 Start: 16739, Stop: 17308, Start Num: 16
Candidate Starts for Ejimix_26:
(Start: 16 @16739 has 35 MA's), (72, 17024), (91, 17105), (98, 17135), (101, 17150), (102, 17153), (106, 17189), (108, 17195), (115, 17228), (127, 17294),

Gene: Elener_10 Start: 8382, Stop: 8957, Start Num: 14
Candidate Starts for Elener_10:
(Start: 14 @8382 has 1 MA's), (29, 8451), (32, 8475), (36, 8493), (70, 8688), (96, 8796), (100, 8814), (105, 8838),

Gene: Elva_9 Start: 7080, Stop: 7631, Start Num: 18
Candidate Starts for Elva_9:
(Start: 18 @7080 has 79 MA's), (44, 7227), (54, 7290), (57, 7305), (85, 7407), (89, 7434), (95, 7458), (97, 7467), (109, 7530), (116, 7557),

Gene: EricMillard_25 Start: 16275, Stop: 16844, Start Num: 16
Candidate Starts for EricMillard_25:
(Start: 16 @16275 has 35 MA's), (72, 16560), (91, 16641), (98, 16671), (101, 16686), (102, 16689), (106, 16725), (108, 16731), (115, 16764), (127, 16830),

Gene: EstebanJulior_7 Start: 6380, Stop: 6949, Start Num: 13
Candidate Starts for EstebanJulior_7:
(Start: 10 @6371 has 52 MA's), (Start: 13 @6380 has 25 MA's), (23, 6425), (46, 6554), (47, 6560), (56, 6623), (63, 6650), (85, 6734), (87, 6740), (97, 6791), (98, 6794), (101, 6806), (103, 6818), (107, 6848), (117, 6893), (123, 6923), (126, 6938), (128, 6941),

Gene: Eula_8 Start: 6763, Stop: 7323, Start Num: 18
Candidate Starts for Eula_8:
(Start: 18 @6763 has 79 MA's), (44, 6910), (46, 6916), (48, 6940), (97, 7159), (109, 7222), (123, 7291),

Gene: Eunoia_7 Start: 6351, Stop: 6923, Start Num: 13
Candidate Starts for Eunoia_7:
(Start: 10 @6342 has 52 MA's), (Start: 13 @6351 has 25 MA's), (23, 6396), (31, 6441), (43, 6513), (46, 6525), (47, 6531), (63, 6621), (70, 6651), (83, 6702), (87, 6711), (97, 6762), (98, 6765), (101, 6777), (103, 6789), (107, 6819), (116, 6852), (128, 6912),

Gene: Familton_42 Start: 21583, Stop: 22188, Start Num: 19
Candidate Starts for Familton_42:
(Start: 19 @21583 has 34 MA's), (Start: 22 @21598 has 1 MA's), (32, 21661), (40, 21709), (41, 21718), (46, 21736), (61, 21826), (66, 21841), (85, 21943), (87, 21949), (94, 21991), (95, 21997), (97, 22006), (98, 22009), (100, 22018), (112, 22081), (125, 22138), (126, 22147), (130, 22174),

Gene: Finalfrontier_9 Start: 7274, Stop: 7834, Start Num: 18
Candidate Starts for Finalfrontier_9:
(Start: 18 @7274 has 79 MA's), (44, 7421), (46, 7427), (48, 7451), (97, 7670), (109, 7733), (123, 7802),

Gene: Fingolfin_8 Start: 6715, Stop: 7302, Start Num: 7
Candidate Starts for Fingolfin_8:
(Start: 7 @6715 has 42 MA's), (41, 6895), (49, 6940), (54, 6970), (55, 6973), (63, 7006), (69, 7030), (70, 7036), (81, 7081), (86, 7093), (90, 7120), (103, 7177), (106, 7204), (107, 7207),

Gene: Firecracker_41 Start: 21190, Stop: 21795, Start Num: 19
Candidate Starts for Firecracker_41:
(Start: 19 @21190 has 34 MA's), (Start: 22 @21205 has 1 MA's), (32, 21268), (40, 21316), (41, 21325), (46, 21343), (61, 21433), (66, 21448), (85, 21550), (87, 21556), (95, 21604), (97, 21613), (98, 21616), (100, 21625), (112, 21688), (125, 21745), (126, 21754), (130, 21781),

Gene: FlameThrower_8 Start: 6731, Stop: 7282, Start Num: 18
Candidate Starts for FlameThrower_8:
(Start: 18 @6731 has 79 MA's), (44, 6878), (46, 6884), (48, 6908), (54, 6941), (57, 6956), (95, 7109), (109, 7181),

Gene: Fluke_11 Start: 9232, Stop: 9810, Start Num: 10
Candidate Starts for Fluke_11:
(Start: 10 @9232 has 52 MA's), (Start: 13 @9241 has 25 MA's), (23, 9286), (46, 9415), (47, 9421), (52, 9466), (56, 9484), (59, 9499), (63, 9511), (85, 9595), (87, 9601), (97, 9652), (98, 9655), (101, 9667), (103, 9679), (107, 9709), (114, 9730), (117, 9754), (123, 9784), (126, 9799), (128, 9802),

Gene: FoulBall_41 Start: 21577, Stop: 22182, Start Num: 19
Candidate Starts for FoulBall_41:
(Start: 19 @21577 has 34 MA's), (Start: 22 @21592 has 1 MA's), (32, 21655), (40, 21703), (41, 21712), (46, 21730), (61, 21820), (66, 21835), (85, 21937), (87, 21943), (94, 21985), (95, 21991), (97, 22000), (98, 22003), (100, 22012), (112, 22075), (125, 22132), (126, 22141), (130, 22168),

Gene: Franklin22_7 Start: 6606, Stop: 7163, Start Num: 18
Candidate Starts for Franklin22_7:
(Start: 18 @6606 has 79 MA's), (46, 6759), (57, 6831), (85, 6939), (95, 6990), (99, 7008), (107, 7056), (122, 7128),

Gene: Fulbright_8 Start: 5956, Stop: 6441, Start Num: 30
Candidate Starts for Fulbright_8:
(8, 5854), (9, 5860), (12, 5872), (Start: 30 @5956 has 42 MA's), (37, 5995), (45, 6043), (48, 6073), (56, 6115), (59, 6130), (63, 6142), (66, 6151), (71, 6175), (87, 6232), (90, 6253), (95, 6274), (110, 6349), (116, 6367), (118, 6382), (125, 6415), (126, 6424),

Gene: Gack_7 Start: 6676, Stop: 7233, Start Num: 18
Candidate Starts for Gack_7:
(Start: 18 @6676 has 79 MA's), (46, 6829), (52, 6877), (99, 7078),

Gene: Galaxy_9 Start: 7113, Stop: 7700, Start Num: 7
Candidate Starts for Galaxy_9:
(Start: 7 @7113 has 42 MA's), (41, 7293), (52, 7359), (56, 7377), (61, 7398), (66, 7413), (70, 7434), (103, 7575), (107, 7605),

Gene: Gex_8 Start: 5956, Stop: 6441, Start Num: 30
Candidate Starts for Gex_8:
(8, 5854), (9, 5860), (12, 5872), (Start: 30 @5956 has 42 MA's), (37, 5995), (45, 6043), (48, 6073), (56, 6115), (59, 6130), (63, 6142), (66, 6151), (71, 6175), (87, 6232), (90, 6253), (95, 6274), (110, 6349), (116, 6367), (118, 6382), (125, 6415), (126, 6424),

Gene: Gisselle_7 Start: 6382, Stop: 6951, Start Num: 13
Candidate Starts for Gisselle_7:
(Start: 10 @6373 has 52 MA's), (Start: 13 @6382 has 25 MA's), (23, 6427), (46, 6556), (47, 6562), (63, 6652), (71, 6685), (83, 6733), (87, 6742), (97, 6793), (98, 6796), (101, 6808), (103, 6820), (107, 6850), (114, 6871), (117, 6895), (123, 6925), (126, 6940), (128, 6943),

Gene: Glenn_11 Start: 9251, Stop: 9820, Start Num: 13
Candidate Starts for Glenn_11:
(Start: 10 @9242 has 52 MA's), (Start: 13 @9251 has 25 MA's), (23, 9296), (46, 9425), (47, 9431), (52, 9476), (56, 9494), (59, 9509), (61, 9515), (63, 9521), (85, 9605), (87, 9611), (97, 9662), (98, 9665), (103, 9689), (107, 9719), (117, 9764), (123, 9794), (126, 9809), (128, 9812),

Gene: Glotell_8 Start: 6714, Stop: 7301, Start Num: 7
Candidate Starts for Glotell_8:
(Start: 7 @6714 has 42 MA's), (41, 6894), (49, 6939), (54, 6969), (55, 6972), (63, 7005), (69, 7029), (70, 7035), (81, 7080), (86, 7092), (88, 7110), (90, 7119), (103, 7176), (106, 7203), (107, 7206),

Gene: Gonephishing_21 Start: 14102, Stop: 14671, Start Num: 16
Candidate Starts for Gonephishing_21:
(Start: 15 @14099 has 5 MA's), (Start: 16 @14102 has 35 MA's), (42, 14243), (61, 14345), (72, 14387), (96, 14489), (98, 14498), (102, 14516), (106, 14552), (111, 14573), (115, 14591), (120, 14624), (122, 14636), (127, 14657),

Gene: Gravel_10 Start: 7301, Stop: 7888, Start Num: 7
Candidate Starts for Gravel_10:
(Start: 7 @7301 has 42 MA's), (41, 7481), (50, 7529), (55, 7559), (56, 7565), (61, 7586), (64, 7598), (66, 7601), (70, 7622), (78, 7643), (92, 7715), (103, 7763), (116, 7826), (119, 7844),

Gene: Graynor_11 Start: 9254, Stop: 9826, Start Num: 11
Candidate Starts for Graynor_11:
(Start: 11 @9254 has 7 MA's), (43, 9416), (46, 9428), (47, 9434), (52, 9479), (56, 9497), (85, 9608), (87, 9614), (103, 9692), (107, 9722), (117, 9767), (118, 9770), (126, 9812), (128, 9815),

Gene: GreenHearts_11 Start: 9314, Stop: 9892, Start Num: 10
Candidate Starts for GreenHearts_11:
(Start: 10 @9314 has 52 MA's), (Start: 13 @9323 has 25 MA's), (23, 9368), (43, 9485), (46, 9497), (47, 9503), (56, 9566), (63, 9593), (85, 9677), (87, 9683), (92, 9713), (103, 9761), (107, 9791), (128, 9884),

Gene: Greenhouse_11 Start: 9248, Stop: 9817, Start Num: 13
Candidate Starts for Greenhouse_11:
(Start: 10 @9239 has 52 MA's), (Start: 13 @9248 has 25 MA's), (23, 9293), (43, 9410), (46, 9422), (47, 9428), (56, 9491), (85, 9602), (87, 9608), (92, 9638), (103, 9686), (107, 9716), (128, 9809),

Gene: Halley_25 Start: 15988, Stop: 16557, Start Num: 16
Candidate Starts for Halley_25:
(Start: 16 @15988 has 35 MA's), (72, 16273), (91, 16354), (98, 16384), (101, 16399), (102, 16402), (106, 16438), (108, 16444), (115, 16477), (127, 16543),

Gene: HamCheese_8 Start: 6714, Stop: 7301, Start Num: 7
Candidate Starts for HamCheese_8:
(Start: 7 @6714 has 42 MA's), (37, 6861), (41, 6894), (49, 6939), (54, 6969), (55, 6972), (63, 7005), (69, 7029), (70, 7035), (81, 7080), (86, 7092), (88, 7110), (90, 7119), (103, 7176), (106, 7203), (107, 7206),

Gene: Hanako_8 Start: 5997, Stop: 6482, Start Num: 30
Candidate Starts for Hanako_8:
(9, 5883), (12, 5895), (Start: 30 @5997 has 42 MA's), (37, 6036), (38, 6042), (45, 6084), (48, 6114), (63, 6183), (71, 6216), (87, 6273), (90, 6294), (95, 6315), (110, 6390), (116, 6408), (118, 6423), (126, 6465),

Gene: Hannaconda_20 Start: 12609, Stop: 13178, Start Num: 16
Candidate Starts for Hannaconda_20:
(Start: 15 @12606 has 5 MA's), (Start: 16 @12609 has 35 MA's), (42, 12750), (61, 12852), (72, 12894), (96, 12996), (98, 13005), (102, 13023), (104, 13041), (106, 13059), (111, 13080), (115, 13098), (120, 13131), (122, 13143), (127, 13164),

Gene: HannahPhantana_10 Start: 7305, Stop: 7895, Start Num: 7
Candidate Starts for HannahPhantana_10:
(Start: 7 @7305 has 42 MA's), (21, 7359), (41, 7485), (53, 7554), (55, 7563), (56, 7569), (61, 7590), (68, 7617), (70, 7629), (81, 7674), (103, 7770), (107, 7800), (116, 7833),

Gene: HeadNerd_7 Start: 6329, Stop: 6907, Start Num: 10
Candidate Starts for HeadNerd_7:
(Start: 10 @6329 has 52 MA's), (Start: 13 @6338 has 25 MA's), (23, 6383), (46, 6512), (47, 6518), (56, 6581), (63, 6608), (85, 6692), (87, 6698), (97, 6749), (98, 6752), (101, 6764), (103, 6776), (107, 6806), (117, 6851), (123, 6881), (126, 6896), (128, 6899),

Gene: Heinz_8 Start: 6314, Stop: 6847, Start Num: 20
Candidate Starts for Heinz_8:
(Start: 20 @6314 has 6 MA's), (40, 6434), (87, 6641), (109, 6752), (122, 6812), (128, 6836),

Gene: Herb_7 Start: 6353, Stop: 6925, Start Num: 13
Candidate Starts for Herb_7:
(Start: 10 @6344 has 52 MA's), (Start: 13 @6353 has 25 MA's), (23, 6398), (31, 6443), (46, 6527), (47, 6533), (63, 6623), (70, 6653), (83, 6704), (87, 6713), (103, 6791), (107, 6821), (123, 6896), (128,

6914),

Gene: Hibiscus_8 Start: 6288, Stop: 6821, Start Num: 20
Candidate Starts for Hibiscus_8:
(Start: 20 @6288 has 6 MA's), (40, 6408), (87, 6615), (90, 6642), (122, 6786), (128, 6810),

Gene: Hidrated_25 Start: 16104, Stop: 16673, Start Num: 16
Candidate Starts for Hidrated_25:
(Start: 16 @16104 has 35 MA's), (53, 16311), (72, 16389), (91, 16470), (98, 16500), (101, 16515), (102, 16518), (106, 16554), (108, 16560), (115, 16593), (123, 16641), (127, 16659),

Gene: HokkenD_20 Start: 15558, Stop: 16127, Start Num: 16
Candidate Starts for HokkenD_20:
(Start: 16 @15558 has 35 MA's), (72, 15843), (91, 15924), (98, 15954), (101, 15969), (102, 15972), (106, 16008), (108, 16014), (115, 16047), (127, 16113),

Gene: Huckleberry_7 Start: 6338, Stop: 6907, Start Num: 13
Candidate Starts for Huckleberry_7:
(Start: 10 @6329 has 52 MA's), (Start: 13 @6338 has 25 MA's), (23, 6383), (46, 6512), (47, 6518), (56, 6581), (63, 6608), (85, 6692), (87, 6698), (97, 6749), (98, 6752), (101, 6764), (103, 6776), (107, 6806), (117, 6851), (123, 6881), (126, 6896), (128, 6899),

Gene: Hughesyang_24 Start: 16171, Stop: 16740, Start Num: 16
Candidate Starts for Hughesyang_24:
(Start: 16 @16171 has 35 MA's), (53, 16378), (72, 16456), (91, 16537), (98, 16567), (101, 16582), (102, 16585), (106, 16621), (108, 16627), (115, 16660), (127, 16726),

Gene: HunterDalle_7 Start: 6342, Stop: 6923, Start Num: 10
Candidate Starts for HunterDalle_7:
(Start: 10 @6342 has 52 MA's), (Start: 13 @6351 has 25 MA's), (23, 6396), (31, 6441), (43, 6513), (46, 6525), (47, 6531), (63, 6621), (66, 6630), (70, 6651), (83, 6702), (87, 6711), (97, 6762), (98, 6765), (101, 6777), (103, 6789), (107, 6819), (116, 6852), (128, 6912),

Gene: Huntingdon_11 Start: 9225, Stop: 9803, Start Num: 10
Candidate Starts for Huntingdon_11:
(Start: 10 @9225 has 52 MA's), (Start: 13 @9234 has 25 MA's), (23, 9279), (43, 9396), (46, 9408), (47, 9414), (56, 9477), (87, 9594), (103, 9672), (107, 9702), (128, 9795),

Gene: Icarian_9 Start: 7006, Stop: 7557, Start Num: 18
Candidate Starts for Icarian_9:
(Start: 18 @7006 has 79 MA's), (24, 7039), (44, 7153), (48, 7183), (54, 7216), (57, 7231), (85, 7333), (95, 7384), (109, 7456), (116, 7483), (129, 7552),

Gene: Idergollasper_41 Start: 21577, Stop: 22182, Start Num: 19
Candidate Starts for Idergollasper_41:
(Start: 19 @21577 has 34 MA's), (Start: 22 @21592 has 1 MA's), (32, 21655), (40, 21703), (41, 21712), (46, 21730), (61, 21820), (66, 21835), (85, 21937), (87, 21943), (94, 21985), (95, 21991), (97, 22000), (98, 22003), (100, 22012), (112, 22075), (125, 22132), (126, 22141), (130, 22168),

Gene: Imara_39 Start: 21386, Stop: 21991, Start Num: 19
Candidate Starts for Imara_39:
(Start: 19 @21386 has 34 MA's), (Start: 22 @21401 has 1 MA's), (32, 21464), (40, 21512), (41, 21521), (61, 21629), (66, 21644), (85, 21746), (87, 21752), (94, 21794), (95, 21800), (97, 21809), (98, 21812),

(100, 21821), (112, 21884), (125, 21941), (126, 21950), (130, 21977),

Gene: Immaculata_11 Start: 9236, Stop: 9814, Start Num: 10
Candidate Starts for Immaculata_11:
(Start: 10 @9236 has 52 MA's), (Start: 13 @9245 has 25 MA's), (23, 9290), (46, 9419), (47, 9425), (52, 9470), (56, 9488), (59, 9503), (63, 9515), (83, 9596), (85, 9599), (87, 9605), (97, 9656), (98, 9659), (101, 9671), (103, 9683), (107, 9713), (114, 9734), (117, 9758), (123, 9788), (126, 9803), (128, 9806),

Gene: Impisi_8 Start: 5997, Stop: 6482, Start Num: 30
Candidate Starts for Impisi_8:
(9, 5883), (12, 5895), (Start: 30 @5997 has 42 MA's), (37, 6036), (45, 6084), (48, 6114), (63, 6183), (71, 6216), (87, 6273), (90, 6294), (95, 6315), (110, 6390), (116, 6408), (118, 6423), (126, 6465),

Gene: IndyLu_8 Start: 6817, Stop: 7368, Start Num: 18
Candidate Starts for IndyLu_8:
(Start: 18 @6817 has 79 MA's), (24, 6850), (44, 6964), (46, 6970), (48, 6994), (57, 7042), (85, 7144), (95, 7195), (109, 7267), (113, 7279),

Gene: Jabb_8 Start: 6742, Stop: 7302, Start Num: 18
Candidate Starts for Jabb_8:
(Start: 18 @6742 has 79 MA's), (44, 6889), (46, 6895), (48, 6919), (97, 7138), (109, 7201), (123, 7270),

Gene: Jamie19_8 Start: 5997, Stop: 6482, Start Num: 30
Candidate Starts for Jamie19_8:
(9, 5883), (12, 5895), (Start: 30 @5997 has 42 MA's), (37, 6036), (38, 6042), (45, 6084), (48, 6114), (63, 6183), (71, 6216), (87, 6273), (90, 6294), (95, 6315), (110, 6390), (116, 6408), (118, 6423), (126, 6465),

Gene: Jamun_9 Start: 7454, Stop: 8041, Start Num: 7
Candidate Starts for Jamun_9:
(Start: 7 @7454 has 42 MA's), (41, 7634), (52, 7700), (55, 7712), (56, 7718), (61, 7739), (66, 7754), (70, 7775), (80, 7811), (103, 7916), (107, 7946),

Gene: JangDynasty_41 Start: 21672, Stop: 22277, Start Num: 19
Candidate Starts for JangDynasty_41:
(Start: 19 @21672 has 34 MA's), (Start: 22 @21687 has 1 MA's), (32, 21750), (40, 21798), (41, 21807), (46, 21825), (61, 21915), (66, 21930), (85, 22032), (87, 22038), (94, 22080), (95, 22086), (97, 22095), (98, 22098), (100, 22107), (112, 22170), (125, 22227), (126, 22236), (130, 22263),

Gene: Jerole_10 Start: 7302, Stop: 7892, Start Num: 7
Candidate Starts for Jerole_10:
(Start: 7 @7302 has 42 MA's), (21, 7356), (41, 7482), (53, 7551), (55, 7560), (56, 7566), (61, 7587), (68, 7614), (70, 7626), (81, 7671), (103, 7767), (107, 7797), (116, 7830),

Gene: Joann_11 Start: 9217, Stop: 9795, Start Num: 10
Candidate Starts for Joann_11:
(Start: 10 @9217 has 52 MA's), (Start: 13 @9226 has 25 MA's), (23, 9271), (43, 9388), (46, 9400), (47, 9406), (56, 9469), (63, 9496), (85, 9580), (87, 9586), (92, 9616), (103, 9664), (107, 9694), (128, 9787),

Gene: Johnathan_8 Start: 6765, Stop: 7325, Start Num: 18
Candidate Starts for Johnathan_8:
(Start: 18 @6765 has 79 MA's), (44, 6912), (46, 6918), (48, 6942), (59, 6999), (95, 7152), (97, 7161), (109, 7224), (123, 7293),

Gene: Jojo24_8 Start: 6283, Stop: 6816, Start Num: 20
Candidate Starts for Jojo24_8:
(Start: 20 @6283 has 6 MA's), (40, 6403), (51, 6463), (87, 6610), (90, 6637), (122, 6781), (128, 6805),

Gene: Journey_8 Start: 5956, Stop: 6441, Start Num: 30
Candidate Starts for Journey_8:
(8, 5854), (9, 5860), (12, 5872), (Start: 30 @5956 has 42 MA's), (37, 5995), (45, 6043), (48, 6073), (56, 6115), (59, 6130), (63, 6142), (66, 6151), (71, 6175), (87, 6232), (90, 6253), (95, 6274), (110, 6349), (116, 6367), (118, 6382), (125, 6415), (126, 6424),

Gene: Jovita_8 Start: 6864, Stop: 7424, Start Num: 18
Candidate Starts for Jovita_8:
(Start: 18 @6864 has 79 MA's), (44, 7011), (46, 7017), (48, 7041), (97, 7260), (109, 7323), (123, 7392),

Gene: JuicyJay_27 Start: 16822, Stop: 17391, Start Num: 16
Candidate Starts for JuicyJay_27:
(Start: 16 @16822 has 35 MA's), (41, 16960), (72, 17107), (91, 17188), (98, 17218), (101, 17233), (102, 17236), (106, 17272), (108, 17278), (115, 17311), (127, 17377),

Gene: Jumboset_11 Start: 9185, Stop: 9763, Start Num: 10
Candidate Starts for Jumboset_11:
(Start: 10 @9185 has 52 MA's), (Start: 13 @9194 has 25 MA's), (23, 9239), (46, 9368), (47, 9374), (52, 9419), (56, 9437), (59, 9452), (63, 9464), (85, 9548), (87, 9554), (97, 9605), (98, 9608), (103, 9632), (107, 9662), (114, 9683), (117, 9707), (123, 9737), (126, 9752), (128, 9755),

Gene: Juno112_8 Start: 6715, Stop: 7302, Start Num: 7
Candidate Starts for Juno112_8:
(Start: 7 @6715 has 42 MA's), (41, 6895), (49, 6940), (54, 6970), (55, 6973), (63, 7006), (69, 7030), (70, 7036), (81, 7081), (86, 7093), (90, 7120), (103, 7177), (106, 7204), (107, 7207),

Gene: KHumphrey_8 Start: 6714, Stop: 7301, Start Num: 7
Candidate Starts for KHumphrey_8:
(Start: 7 @6714 has 42 MA's), (41, 6894), (49, 6939), (54, 6969), (55, 6972), (63, 7005), (69, 7029), (70, 7035), (81, 7080), (86, 7092), (88, 7110), (90, 7119), (103, 7176), (106, 7203), (107, 7206),

Gene: Kalah2_26 Start: 16590, Stop: 17159, Start Num: 16
Candidate Starts for Kalah2_26:
(Start: 16 @16590 has 35 MA's), (72, 16875), (91, 16956), (98, 16986), (101, 17001), (102, 17004), (106, 17040), (108, 17046), (115, 17079), (127, 17145),

Gene: Kalizoi_11 Start: 9184, Stop: 9762, Start Num: 10
Candidate Starts for Kalizoi_11:
(Start: 10 @9184 has 52 MA's), (Start: 13 @9193 has 25 MA's), (23, 9238), (46, 9367), (47, 9373), (52, 9418), (56, 9436), (59, 9451), (63, 9463), (83, 9544), (85, 9547), (87, 9553), (97, 9604), (98, 9607), (101, 9619), (103, 9631), (107, 9661), (114, 9682), (117, 9706), (123, 9736), (126, 9751), (128, 9754),

Gene: Kamdara_8 Start: 6995, Stop: 7552, Start Num: 18
Candidate Starts for Kamdara_8:
(Start: 18 @6995 has 79 MA's), (44, 7142), (48, 7172), (83, 7325), (97, 7388), (109, 7451), (123, 7520),

Gene: KashFlow_17 Start: 12175, Stop: 12744, Start Num: 16
Candidate Starts for KashFlow_17:

(Start: 15 @12172 has 5 MA's), (Start: 16 @12175 has 35 MA's), (42, 12316), (61, 12418), (72, 12460), (96, 12562), (102, 12589), (111, 12646), (115, 12664), (120, 12697), (127, 12730),

Gene: Kate33_8 Start: 6816, Stop: 7367, Start Num: 18
Candidate Starts for Kate33_8:
(Start: 18 @6816 has 79 MA's), (24, 6849), (44, 6963), (46, 6969), (48, 6993), (54, 7026), (57, 7041), (85, 7143), (95, 7194), (109, 7266), (113, 7278),

Gene: Katzastrophic_8 Start: 6906, Stop: 7457, Start Num: 18
Candidate Starts for Katzastrophic_8:
(Start: 18 @6906 has 79 MA's), (44, 7053), (46, 7059), (48, 7083), (54, 7116), (57, 7131), (95, 7284), (109, 7356),

Gene: KendraB23_10 Start: 7302, Stop: 7889, Start Num: 7
Candidate Starts for KendraB23_10:
(Start: 7 @7302 has 42 MA's), (41, 7482), (50, 7530), (55, 7560), (56, 7566), (61, 7587), (64, 7599), (66, 7602), (70, 7623), (78, 7644), (92, 7716), (103, 7764), (116, 7827), (119, 7845),

Gene: Kenzers_8 Start: 6779, Stop: 7339, Start Num: 18
Candidate Starts for Kenzers_8:
(Start: 18 @6779 has 79 MA's), (24, 6812), (44, 6926), (46, 6932), (48, 6956), (59, 7013), (62, 7022), (83, 7112), (109, 7238), (123, 7307),

Gene: Kepler_9 Start: 7140, Stop: 7730, Start Num: 7
Candidate Starts for Kepler_9:
(Start: 7 @7140 has 42 MA's), (21, 7194), (41, 7320), (53, 7389), (55, 7398), (56, 7404), (61, 7425), (68, 7452), (70, 7464), (81, 7509), (103, 7605), (107, 7635), (116, 7668),

Gene: Kieran_8 Start: 6999, Stop: 7556, Start Num: 18
Candidate Starts for Kieran_8:
(Start: 18 @6999 has 79 MA's), (44, 7146), (48, 7176), (83, 7329), (97, 7392), (109, 7455), (123, 7524),

Gene: KingBob_7 Start: 6353, Stop: 6925, Start Num: 13
Candidate Starts for KingBob_7:
(Start: 10 @6344 has 52 MA's), (Start: 13 @6353 has 25 MA's), (23, 6398), (31, 6443), (46, 6527), (47, 6533), (63, 6623), (70, 6653), (83, 6704), (87, 6713), (103, 6791), (107, 6821), (123, 6896), (128, 6914),

Gene: KingPhillip3_40 Start: 21577, Stop: 22182, Start Num: 19
Candidate Starts for KingPhillip3_40:
(Start: 19 @21577 has 34 MA's), (Start: 22 @21592 has 1 MA's), (32, 21655), (40, 21703), (41, 21712), (46, 21730), (61, 21820), (66, 21835), (85, 21937), (87, 21943), (94, 21985), (95, 21991), (97, 22000), (98, 22003), (100, 22012), (112, 22075), (125, 22132), (126, 22141), (130, 22168),

Gene: Kittykat_7 Start: 6370, Stop: 6948, Start Num: 10
Candidate Starts for Kittykat_7:
(Start: 10 @6370 has 52 MA's), (Start: 13 @6379 has 25 MA's), (23, 6424), (46, 6553), (63, 6649), (71, 6682), (83, 6730), (87, 6739), (97, 6790), (98, 6793), (101, 6805), (103, 6817), (107, 6847), (114, 6868), (117, 6892), (123, 6922), (128, 6940),

Gene: Klein_25 Start: 15568, Stop: 16137, Start Num: 16
Candidate Starts for Klein_25:

(Start: 16 @15568 has 35 MA's), (41, 15706), (53, 15775), (72, 15853), (91, 15934), (98, 15964), (101, 15979), (102, 15982), (106, 16018), (108, 16024), (115, 16057), (127, 16123),

Gene: Korra_11 Start: 9199, Stop: 9768, Start Num: 13
Candidate Starts for Korra_11:
(Start: 10 @9190 has 52 MA's), (Start: 13 @9199 has 25 MA's), (23, 9244), (46, 9373), (47, 9379), (52, 9424), (56, 9442), (59, 9457), (63, 9469), (83, 9550), (85, 9553), (87, 9559), (97, 9610), (98, 9613), (101, 9625), (103, 9637), (107, 9667), (114, 9688), (117, 9712), (123, 9742), (126, 9757), (128, 9760),

Gene: Krili_40 Start: 21294, Stop: 21899, Start Num: 19
Candidate Starts for Krili_40:
(Start: 19 @21294 has 34 MA's), (32, 21372), (40, 21420), (41, 21429), (46, 21447), (61, 21537), (66, 21552), (85, 21654), (87, 21660), (95, 21708), (97, 21717), (98, 21720), (100, 21729), (112, 21792), (125, 21849), (126, 21858), (130, 21885),

Gene: Kuleana_9 Start: 7105, Stop: 7692, Start Num: 7
Candidate Starts for Kuleana_9:
(Start: 7 @7105 has 42 MA's), (41, 7285), (53, 7354), (54, 7360), (55, 7363), (61, 7390), (70, 7426), (103, 7567), (107, 7597),

Gene: Lahqtemish_8 Start: 6855, Stop: 7412, Start Num: 18
Candidate Starts for Lahqtemish_8:
(Start: 18 @6855 has 79 MA's), (44, 7002), (46, 7008), (48, 7032), (85, 7188), (95, 7239), (109, 7311), (113, 7323), (116, 7338),

Gene: Lakshmi_11 Start: 9244, Stop: 9822, Start Num: 10
Candidate Starts for Lakshmi_11:
(Start: 10 @9244 has 52 MA's), (Start: 13 @9253 has 25 MA's), (23, 9298), (43, 9415), (46, 9427), (47, 9433), (56, 9496), (63, 9523), (85, 9607), (87, 9613), (92, 9643), (103, 9691), (107, 9721), (128, 9814),

Gene: Laphuphu24k_8 Start: 6714, Stop: 7301, Start Num: 7
Candidate Starts for Laphuphu24k_8:
(Start: 7 @6714 has 42 MA's), (37, 6861), (41, 6894), (49, 6939), (54, 6969), (55, 6972), (63, 7005), (69, 7029), (70, 7035), (81, 7080), (86, 7092), (88, 7110), (90, 7119), (103, 7176), (106, 7203), (107, 7206),

Gene: Lasagna_7 Start: 6336, Stop: 6905, Start Num: 13
Candidate Starts for Lasagna_7:
(Start: 10 @6327 has 52 MA's), (Start: 13 @6336 has 25 MA's), (23, 6381), (46, 6510), (47, 6516), (56, 6579), (63, 6606), (70, 6636), (83, 6687), (85, 6690), (87, 6696), (97, 6747), (98, 6750), (103, 6774), (107, 6804), (117, 6849), (123, 6879), (126, 6894), (128, 6897),

Gene: Lennox_7 Start: 6327, Stop: 6905, Start Num: 10
Candidate Starts for Lennox_7:
(Start: 10 @6327 has 52 MA's), (Start: 13 @6336 has 25 MA's), (23, 6381), (46, 6510), (47, 6516), (56, 6579), (59, 6594), (63, 6606), (70, 6636), (83, 6687), (85, 6690), (87, 6696), (97, 6747), (98, 6750), (103, 6774), (107, 6804), (117, 6849), (123, 6879), (126, 6894), (128, 6897),

Gene: Leona_8 Start: 6765, Stop: 7352, Start Num: 7
Candidate Starts for Leona_8:
(Start: 7 @6765 has 42 MA's), (27, 6858), (32, 6888), (41, 6945), (54, 7020), (55, 7023), (61, 7050), (70, 7086), (81, 7131), (88, 7161), (103, 7227), (106, 7254), (107, 7257),

Gene: LilStuart_7 Start: 6327, Stop: 6905, Start Num: 10
Candidate Starts for LilStuart_7:
(Start: 10 @6327 has 52 MA's), (Start: 13 @6336 has 25 MA's), (23, 6381), (46, 6510), (47, 6516), (56, 6579), (59, 6594), (63, 6606), (70, 6636), (83, 6687), (85, 6690), (87, 6696), (97, 6747), (98, 6750), (103, 6774), (107, 6804), (117, 6849), (123, 6879), (126, 6894), (128, 6897),

Gene: Lilo27_8 Start: 6745, Stop: 7302, Start Num: 18
Candidate Starts for Lilo27_8:
(Start: 18 @6745 has 79 MA's), (44, 6892), (46, 6898), (48, 6922), (77, 7045), (97, 7138), (109, 7201), (123, 7270), (129, 7297),

Gene: LimaBean_8 Start: 6765, Stop: 7325, Start Num: 18
Candidate Starts for LimaBean_8:
(Start: 18 @6765 has 79 MA's), (44, 6912), (46, 6918), (48, 6942), (59, 6999), (95, 7152), (97, 7161), (109, 7224), (123, 7293),

Gene: Litotes_11 Start: 9218, Stop: 9790, Start Num: 11
Candidate Starts for Litotes_11:
(Start: 11 @9218 has 7 MA's), (43, 9380), (46, 9392), (47, 9398), (52, 9443), (56, 9461), (85, 9572), (87, 9578), (103, 9656), (107, 9686), (117, 9731), (118, 9734), (126, 9776), (128, 9779),

Gene: LittleE_23 Start: 15311, Stop: 15883, Start Num: 15
Candidate Starts for LittleE_23:
(Start: 15 @15311 has 5 MA's), (Start: 16 @15314 has 35 MA's), (42, 15455), (61, 15557), (72, 15599), (96, 15701), (98, 15710), (102, 15728), (106, 15764), (111, 15785), (115, 15803), (120, 15836), (122, 15848), (127, 15869),

Gene: LittleTokyo_9 Start: 7047, Stop: 7634, Start Num: 7
Candidate Starts for LittleTokyo_9:
(Start: 7 @7047 has 42 MA's), (55, 7305), (60, 7329), (61, 7332), (66, 7347), (70, 7368), (81, 7413), (86, 7425), (88, 7443), (103, 7509), (107, 7539),

Gene: Loviatar_8 Start: 7027, Stop: 7578, Start Num: 18
Candidate Starts for Loviatar_8:
(Start: 18 @7027 has 79 MA's), (44, 7174), (48, 7204), (54, 7237), (57, 7252), (85, 7354), (95, 7405), (109, 7477), (116, 7504),

Gene: Lucky2013_23 Start: 14054, Stop: 14626, Start Num: 15
Candidate Starts for Lucky2013_23:
(Start: 15 @14054 has 5 MA's), (Start: 16 @14057 has 35 MA's), (42, 14198), (61, 14300), (72, 14342), (96, 14444), (102, 14471), (111, 14528), (115, 14546), (120, 14579), (127, 14612),

Gene: Lucy_7 Start: 6318, Stop: 6896, Start Num: 10
Candidate Starts for Lucy_7:
(Start: 10 @6318 has 52 MA's), (Start: 13 @6327 has 25 MA's), (23, 6372), (46, 6501), (47, 6507), (56, 6570), (59, 6585), (63, 6597), (83, 6678), (85, 6681), (87, 6687), (97, 6738), (98, 6741), (103, 6765), (107, 6795), (117, 6840), (123, 6870), (126, 6885), (128, 6888),

Gene: Lunar_10 Start: 7302, Stop: 7892, Start Num: 7
Candidate Starts for Lunar_10:
(Start: 7 @7302 has 42 MA's), (21, 7356), (41, 7482), (53, 7551), (55, 7560), (56, 7566), (61, 7587), (68, 7614), (70, 7626), (81, 7671), (103, 7767), (107, 7797), (116, 7830),

Gene: Lynlen_8 Start: 6779, Stop: 7339, Start Num: 18
Candidate Starts for Lynlen_8:
(Start: 18 @6779 has 79 MA's), (24, 6812), (44, 6926), (46, 6932), (48, 6956), (59, 7013), (62, 7022), (83, 7112), (109, 7238), (123, 7307),

Gene: MadKillah_42 Start: 21516, Stop: 22121, Start Num: 19
Candidate Starts for MadKillah_42:
(Start: 19 @21516 has 34 MA's), (Start: 22 @21531 has 1 MA's), (32, 21594), (40, 21642), (41, 21651), (46, 21669), (61, 21759), (66, 21774), (85, 21876), (87, 21882), (94, 21924), (95, 21930), (97, 21939), (98, 21942), (100, 21951), (112, 22014), (125, 22071), (126, 22080), (130, 22107),

Gene: Magsby_8 Start: 5956, Stop: 6441, Start Num: 30
Candidate Starts for Magsby_8:
(8, 5854), (9, 5860), (12, 5872), (Start: 30 @5956 has 42 MA's), (37, 5995), (45, 6043), (48, 6073), (56, 6115), (59, 6130), (63, 6142), (66, 6151), (71, 6175), (87, 6232), (90, 6253), (95, 6274), (110, 6349), (116, 6367), (118, 6382), (125, 6415), (126, 6424),

Gene: Makoto_7 Start: 6327, Stop: 6905, Start Num: 10
Candidate Starts for Makoto_7:
(Start: 10 @6327 has 52 MA's), (Start: 13 @6336 has 25 MA's), (23, 6381), (46, 6510), (47, 6516), (56, 6579), (59, 6594), (63, 6606), (83, 6687), (85, 6690), (87, 6696), (97, 6747), (98, 6750), (103, 6774), (107, 6804), (117, 6849), (123, 6879), (126, 6894), (128, 6897),

Gene: MamaPearl_7 Start: 6380, Stop: 6949, Start Num: 13
Candidate Starts for MamaPearl_7:
(Start: 10 @6371 has 52 MA's), (Start: 13 @6380 has 25 MA's), (23, 6425), (46, 6554), (47, 6560), (56, 6623), (63, 6650), (85, 6734), (87, 6740), (97, 6791), (98, 6794), (101, 6806), (103, 6818), (107, 6848), (117, 6893), (123, 6923), (126, 6938), (128, 6941),

Gene: Maria1952_7 Start: 6344, Stop: 6925, Start Num: 10
Candidate Starts for Maria1952_7:
(Start: 10 @6344 has 52 MA's), (Start: 13 @6353 has 25 MA's), (23, 6398), (31, 6443), (46, 6527), (47, 6533), (63, 6623), (70, 6653), (83, 6704), (87, 6713), (103, 6791), (107, 6821), (123, 6896), (128, 6914),

Gene: Marleymoo_26 Start: 16649, Stop: 17218, Start Num: 16
Candidate Starts for Marleymoo_26:
(Start: 16 @16649 has 35 MA's), (53, 16856), (72, 16934), (91, 17015), (98, 17045), (101, 17060), (102, 17063), (106, 17099), (108, 17105), (115, 17138), (123, 17186), (127, 17204),

Gene: MeganNoll_11 Start: 9242, Stop: 9820, Start Num: 10
Candidate Starts for MeganNoll_11:
(Start: 10 @9242 has 52 MA's), (Start: 13 @9251 has 25 MA's), (23, 9296), (46, 9425), (47, 9431), (52, 9476), (56, 9494), (59, 9509), (63, 9521), (85, 9605), (87, 9611), (97, 9662), (98, 9665), (103, 9689), (107, 9719), (114, 9740), (117, 9764), (123, 9794), (126, 9809), (128, 9812),

Gene: Melons_10 Start: 7302, Stop: 7892, Start Num: 7
Candidate Starts for Melons_10:
(Start: 7 @7302 has 42 MA's), (21, 7356), (41, 7482), (53, 7551), (55, 7560), (56, 7566), (61, 7587), (68, 7614), (70, 7626), (81, 7671), (103, 7767), (107, 7797), (116, 7830),

Gene: Melville_8 Start: 5956, Stop: 6441, Start Num: 30
Candidate Starts for Melville_8:

(8, 5854), (9, 5860), (12, 5872), (Start: 30 @5956 has 42 MA's), (37, 5995), (45, 6043), (48, 6073), (56, 6115), (59, 6130), (63, 6142), (66, 6151), (71, 6175), (87, 6232), (90, 6253), (95, 6274), (110, 6349), (116, 6367), (118, 6382), (125, 6415), (126, 6424),

Gene: MiaZeal_23 Start: 13745, Stop: 14317, Start Num: 15
Candidate Starts for MiaZeal_23:
(Start: 15 @13745 has 5 MA's), (Start: 16 @13748 has 35 MA's), (42, 13889), (61, 13991), (72, 14033), (96, 14135), (98, 14144), (102, 14162), (106, 14198), (111, 14219), (115, 14237), (120, 14270), (122, 14282), (127, 14303),

Gene: Milomuff_9 Start: 7151, Stop: 7711, Start Num: 18
Candidate Starts for Milomuff_9:
(Start: 18 @7151 has 79 MA's), (44, 7298), (46, 7304), (48, 7328), (59, 7385), (95, 7538), (97, 7547), (109, 7610), (123, 7679),

Gene: Minerva_25 Start: 16053, Stop: 16622, Start Num: 16
Candidate Starts for Minerva_25:
(Start: 16 @16053 has 35 MA's), (41, 16191), (72, 16338), (91, 16419), (98, 16449), (101, 16464), (102, 16467), (106, 16503), (108, 16509), (115, 16542), (127, 16608),

Gene: Misaeng_11 Start: 9290, Stop: 9868, Start Num: 10
Candidate Starts for Misaeng_11:
(Start: 10 @9290 has 52 MA's), (Start: 13 @9299 has 25 MA's), (23, 9344), (43, 9461), (46, 9473), (47, 9479), (56, 9542), (71, 9602), (87, 9659), (103, 9737), (107, 9767), (128, 9860),

Gene: Moki_7 Start: 6329, Stop: 6907, Start Num: 10
Candidate Starts for Moki_7:
(Start: 10 @6329 has 52 MA's), (Start: 13 @6338 has 25 MA's), (23, 6383), (46, 6512), (47, 6518), (56, 6581), (63, 6608), (85, 6692), (87, 6698), (97, 6749), (98, 6752), (101, 6764), (103, 6776), (107, 6806), (117, 6851), (123, 6881), (126, 6896), (128, 6899),

Gene: MooMoo_7 Start: 5220, Stop: 5819, Start Num: 19
Candidate Starts for MooMoo_7:
(Start: 19 @5220 has 34 MA's), (23, 5244), (35, 5319), (97, 5628), (100, 5640), (105, 5679), (125, 5769), (130, 5805),

Gene: Mori_40 Start: 21165, Stop: 21770, Start Num: 19
Candidate Starts for Mori_40:
(Start: 19 @21165 has 34 MA's), (Start: 22 @21180 has 1 MA's), (32, 21243), (40, 21291), (41, 21300), (46, 21318), (61, 21408), (66, 21423), (85, 21525), (87, 21531), (94, 21573), (95, 21579), (97, 21588), (98, 21591), (100, 21600), (112, 21663), (125, 21720), (126, 21729), (130, 21756),

Gene: MrBoss_11 Start: 9218, Stop: 9790, Start Num: 11
Candidate Starts for MrBoss_11:
(Start: 11 @9218 has 7 MA's), (43, 9380), (46, 9392), (47, 9398), (52, 9443), (56, 9461), (83, 9569), (85, 9572), (87, 9578), (103, 9656), (107, 9686), (117, 9731), (118, 9734), (126, 9776), (128, 9779),

Gene: MrGloopy_11 Start: 9175, Stop: 9753, Start Num: 10
Candidate Starts for MrGloopy_11:
(Start: 10 @9175 has 52 MA's), (Start: 13 @9184 has 25 MA's), (23, 9229), (46, 9358), (47, 9364), (52, 9409), (56, 9427), (59, 9442), (61, 9448), (63, 9454), (85, 9538), (87, 9544), (97, 9595), (98, 9598), (103, 9622), (107, 9652), (114, 9673), (117, 9697), (123, 9727), (126, 9742), (128, 9745),

Gene: MsUbiquitous_8 Start: 6742, Stop: 7302, Start Num: 18
Candidate Starts for MsUbiquitous_8:
(Start: 18 @6742 has 79 MA's), (44, 6889), (46, 6895), (48, 6919), (97, 7138), (109, 7201), (123, 7270),

Gene: Murai_41 Start: 21355, Stop: 21960, Start Num: 19
Candidate Starts for Murai_41:
(Start: 19 @21355 has 34 MA's), (32, 21433), (40, 21481), (41, 21490), (46, 21508), (61, 21598), (66, 21613), (85, 21715), (87, 21721), (95, 21769), (97, 21778), (98, 21781), (100, 21790), (112, 21853), (125, 21910), (126, 21919), (130, 21946),

Gene: Nancia_7 Start: 6327, Stop: 6905, Start Num: 10
Candidate Starts for Nancia_7:
(Start: 10 @6327 has 52 MA's), (Start: 13 @6336 has 25 MA's), (23, 6381), (46, 6510), (47, 6516), (56, 6579), (63, 6606), (70, 6636), (83, 6687), (85, 6690), (87, 6696), (97, 6747), (98, 6750), (103, 6774), (107, 6804), (117, 6849), (123, 6879), (126, 6894), (128, 6897),

Gene: Nekros_23 Start: 15994, Stop: 16563, Start Num: 16
Candidate Starts for Nekros_23:
(Start: 15 @15991 has 5 MA's), (Start: 16 @15994 has 35 MA's), (42, 16135), (61, 16237), (72, 16279), (96, 16381), (98, 16390), (102, 16408), (106, 16444), (111, 16465), (115, 16483), (120, 16516), (122, 16528), (127, 16549),

Gene: Nenae_8 Start: 5997, Stop: 6482, Start Num: 30
Candidate Starts for Nenae_8:
(9, 5883), (12, 5895), (Start: 30 @5997 has 42 MA's), (37, 6036), (38, 6042), (45, 6084), (48, 6114), (63, 6183), (71, 6216), (87, 6273), (90, 6294), (95, 6315), (110, 6390), (116, 6408), (118, 6423), (126, 6465),

Gene: Niblet_9 Start: 7090, Stop: 7677, Start Num: 7
Candidate Starts for Niblet_9:
(Start: 7 @7090 has 42 MA's), (41, 7270), (50, 7318), (55, 7348), (56, 7354), (61, 7375), (66, 7390), (70, 7411), (78, 7432), (84, 7462), (103, 7552), (116, 7615),

Gene: Nibley_18 Start: 12676, Stop: 13245, Start Num: 16
Candidate Starts for Nibley_18:
(Start: 15 @12673 has 5 MA's), (Start: 16 @12676 has 35 MA's), (42, 12817), (61, 12919), (72, 12961), (96, 13063), (98, 13072), (102, 13090), (106, 13126), (111, 13147), (115, 13165), (120, 13198), (122, 13210), (127, 13231),

Gene: Nicky22_9 Start: 7213, Stop: 7773, Start Num: 18
Candidate Starts for Nicky22_9:
(Start: 18 @7213 has 79 MA's), (44, 7360), (46, 7366), (48, 7390), (97, 7609), (109, 7672), (123, 7741),

Gene: NiebruSaylor_40 Start: 21166, Stop: 21771, Start Num: 19
Candidate Starts for NiebruSaylor_40:
(Start: 19 @21166 has 34 MA's), (Start: 22 @21181 has 1 MA's), (32, 21244), (40, 21292), (41, 21301), (46, 21319), (61, 21409), (66, 21424), (85, 21526), (87, 21532), (94, 21574), (95, 21580), (97, 21589), (98, 21592), (100, 21601), (112, 21664), (125, 21721), (126, 21730), (130, 21757),

Gene: NihilNomen_24 Start: 16050, Stop: 16619, Start Num: 16
Candidate Starts for NihilNomen_24:
(Start: 16 @16050 has 35 MA's), (41, 16188), (53, 16257), (72, 16335), (91, 16416), (98, 16446), (101, 16461), (102, 16464), (106, 16500), (108, 16506), (115, 16539), (127, 16605),

Gene: Nubia_11 Start: 9213, Stop: 9782, Start Num: 13
Candidate Starts for Nubia_11:
(Start: 10 @9204 has 52 MA's), (Start: 13 @9213 has 25 MA's), (23, 9258), (43, 9375), (46, 9387), (47, 9393), (56, 9456), (63, 9483), (85, 9567), (87, 9573), (92, 9603), (103, 9651), (107, 9681), (128, 9774),

Gene: OMalley_7 Start: 6342, Stop: 6923, Start Num: 10
Candidate Starts for OMalley_7:
(Start: 10 @6342 has 52 MA's), (Start: 13 @6351 has 25 MA's), (23, 6396), (31, 6441), (43, 6513), (46, 6525), (47, 6531), (63, 6621), (70, 6651), (83, 6702), (87, 6711), (97, 6762), (98, 6765), (101, 6777), (103, 6789), (107, 6819), (116, 6852), (128, 6912),

Gene: Odette_24 Start: 15531, Stop: 16100, Start Num: 16
Candidate Starts for Odette_24:
(Start: 16 @15531 has 35 MA's), (41, 15669), (72, 15816), (91, 15897), (98, 15927), (101, 15942), (102, 15945), (106, 15981), (108, 15987), (115, 16020), (127, 16086),

Gene: Olliecat_8 Start: 6996, Stop: 7556, Start Num: 18
Candidate Starts for Olliecat_8:
(Start: 18 @6996 has 79 MA's), (44, 7146), (46, 7152), (71, 7281), (89, 7359), (95, 7383), (99, 7401), (107, 7449), (109, 7455), (116, 7482),

Gene: Omega_25 Start: 17674, Stop: 18243, Start Num: 16
Candidate Starts for Omega_25:
(Start: 15 @17671 has 5 MA's), (Start: 16 @17674 has 35 MA's), (42, 17815), (61, 17917), (72, 17959), (96, 18061), (98, 18070), (102, 18088), (111, 18145), (115, 18163), (120, 18196), (127, 18229),

Gene: Oppalora_8 Start: 6714, Stop: 7301, Start Num: 7
Candidate Starts for Oppalora_8:
(Start: 7 @6714 has 42 MA's), (41, 6894), (49, 6939), (54, 6969), (55, 6972), (63, 7005), (69, 7029), (70, 7035), (81, 7080), (86, 7092), (88, 7110), (90, 7119), (103, 7176), (106, 7203), (107, 7206),

Gene: Optimus_23 Start: 15628, Stop: 16197, Start Num: 16
Candidate Starts for Optimus_23:
(Start: 16 @15628 has 35 MA's), (72, 15913), (91, 15994), (98, 16024), (101, 16039), (102, 16042), (106, 16078), (108, 16084), (115, 16117), (127, 16183),

Gene: Orcanus_9 Start: 7095, Stop: 7682, Start Num: 7
Candidate Starts for Orcanus_9:
(Start: 7 @7095 has 42 MA's), (41, 7275), (50, 7323), (55, 7353), (56, 7359), (61, 7380), (66, 7395), (70, 7416), (78, 7437), (84, 7467), (92, 7509), (103, 7557), (116, 7620), (119, 7638),

Gene: OtsoOtso_9 Start: 7141, Stop: 7731, Start Num: 7
Candidate Starts for OtsoOtso_9:
(Start: 7 @7141 has 42 MA's), (21, 7195), (41, 7321), (53, 7390), (55, 7399), (56, 7405), (61, 7426), (68, 7453), (70, 7465), (81, 7510), (103, 7606), (107, 7636), (116, 7669),

Gene: OurGirlNessie_7 Start: 6318, Stop: 6896, Start Num: 10
Candidate Starts for OurGirlNessie_7:
(Start: 10 @6318 has 52 MA's), (Start: 13 @6327 has 25 MA's), (23, 6372), (46, 6501), (47, 6507), (56, 6570), (59, 6585), (63, 6597), (70, 6627), (83, 6678), (85, 6681), (87, 6687), (97, 6738), (98, 6741), (103, 6765), (107, 6795), (117, 6840), (123, 6870), (126, 6885), (128, 6888),

Gene: Oxynfrius_11 Start: 9226, Stop: 9795, Start Num: 13
Candidate Starts for Oxynfrius_11:
(Start: 10 @9217 has 52 MA's), (Start: 13 @9226 has 25 MA's), (23, 9271), (43, 9388), (46, 9400), (47, 9406), (56, 9469), (63, 9496), (85, 9580), (87, 9586), (92, 9616), (103, 9664), (107, 9694), (128, 9787),

Gene: PaintedDog_8 Start: 6534, Stop: 7079, Start Num: 19
Candidate Starts for PaintedDog_8:
(4, 6348), (Start: 19 @6534 has 34 MA's), (Start: 25 @6570 has 1 MA's), (40, 6657), (41, 6666), (48, 6711), (54, 6744), (87, 6870), (122, 7044), (127, 7065),

Gene: Panchino_8 Start: 5973, Stop: 6458, Start Num: 30
Candidate Starts for Panchino_8:
(9, 5883), (12, 5895), (Start: 30 @5973 has 42 MA's), (37, 6012), (38, 6018), (45, 6060), (48, 6090), (63, 6159), (71, 6192), (87, 6249), (90, 6270), (95, 6291), (110, 6366), (116, 6384), (118, 6399), (126, 6441),

Gene: Parmesanjohn_8 Start: 5956, Stop: 6441, Start Num: 30
Candidate Starts for Parmesanjohn_8:
(8, 5854), (9, 5860), (12, 5872), (Start: 30 @5956 has 42 MA's), (37, 5995), (45, 6043), (48, 6073), (56, 6115), (59, 6130), (63, 6142), (66, 6151), (71, 6175), (87, 6232), (90, 6253), (95, 6274), (110, 6349), (116, 6367), (118, 6382), (125, 6415), (126, 6424),

Gene: PartyCup_11 Start: 9265, Stop: 9837, Start Num: 11
Candidate Starts for PartyCup_11:
(Start: 11 @9265 has 7 MA's), (43, 9427), (46, 9439), (47, 9445), (52, 9490), (56, 9508), (85, 9619), (87, 9625), (103, 9703), (107, 9733), (117, 9778), (118, 9781), (126, 9823), (128, 9826),

Gene: PastaFagioli_8 Start: 6843, Stop: 7400, Start Num: 18
Candidate Starts for PastaFagioli_8:
(Start: 18 @6843 has 79 MA's), (44, 6990), (46, 6996), (48, 7020), (85, 7176), (95, 7227), (109, 7299), (113, 7311), (116, 7326),

Gene: Pecas_8 Start: 6763, Stop: 7323, Start Num: 18
Candidate Starts for Pecas_8:
(Start: 18 @6763 has 79 MA's), (44, 6910), (46, 6916), (48, 6940), (97, 7159), (109, 7222), (123, 7291),

Gene: Pelletreau_10 Start: 7301, Stop: 7888, Start Num: 7
Candidate Starts for Pelletreau_10:
(Start: 7 @7301 has 42 MA's), (41, 7481), (50, 7529), (55, 7559), (56, 7565), (61, 7586), (64, 7598), (66, 7601), (70, 7622), (78, 7643), (92, 7715), (103, 7763), (116, 7826), (119, 7844),

Gene: PhancyPhin_8 Start: 5997, Stop: 6482, Start Num: 30
Candidate Starts for PhancyPhin_8:
(9, 5883), (12, 5895), (Start: 30 @5997 has 42 MA's), (37, 6036), (45, 6084), (48, 6114), (63, 6183), (71, 6216), (87, 6273), (90, 6294), (95, 6315), (110, 6390), (116, 6408), (118, 6423), (126, 6465),

Gene: PhigPhack_8 Start: 6794, Stop: 7354, Start Num: 18
Candidate Starts for PhigPhack_8:
(Start: 18 @6794 has 79 MA's), (44, 6941), (46, 6947), (48, 6971), (59, 7028), (62, 7037), (95, 7181), (97, 7190), (109, 7253), (123, 7322),

Gene: Philonius_8 Start: 5956, Stop: 6441, Start Num: 30
Candidate Starts for Philonius_8:

(8, 5854), (9, 5860), (12, 5872), (Start: 30 @5956 has 42 MA's), (37, 5995), (45, 6043), (48, 6073), (56, 6115), (59, 6130), (63, 6142), (66, 6151), (71, 6175), (87, 6232), (90, 6253), (95, 6274), (110, 6349), (116, 6367), (118, 6382), (125, 6415), (126, 6424),

Gene: PhirstandPhine_10 Start: 7302, Stop: 7892, Start Num: 7
Candidate Starts for PhirstandPhine_10:
(Start: 7 @7302 has 42 MA's), (21, 7356), (41, 7482), (53, 7551), (55, 7560), (56, 7566), (61, 7587), (68, 7614), (70, 7626), (81, 7671), (103, 7767), (107, 7797), (116, 7830),

Gene: Phisb_8 Start: 6756, Stop: 7316, Start Num: 18
Candidate Starts for Phisb_8:
(Start: 18 @6756 has 79 MA's), (24, 6789), (44, 6903), (46, 6909), (48, 6933), (59, 6990), (62, 6999), (83, 7089), (109, 7215), (123, 7284),

Gene: Phloss_8 Start: 5956, Stop: 6441, Start Num: 30
Candidate Starts for Phloss_8:
(8, 5854), (9, 5860), (12, 5872), (Start: 30 @5956 has 42 MA's), (37, 5995), (45, 6043), (48, 6073), (56, 6115), (59, 6130), (63, 6142), (66, 6151), (71, 6175), (87, 6232), (90, 6253), (95, 6274), (110, 6349), (116, 6367), (118, 6382), (125, 6415), (126, 6424),

Gene: PhluffyCoco_8 Start: 6714, Stop: 7301, Start Num: 7
Candidate Starts for PhluffyCoco_8:
(Start: 7 @6714 has 42 MA's), (37, 6861), (41, 6894), (49, 6939), (54, 6969), (55, 6972), (63, 7005), (69, 7029), (70, 7035), (81, 7080), (86, 7092), (88, 7110), (90, 7119), (103, 7176), (106, 7203), (107, 7206),

Gene: Phoebus_25 Start: 16275, Stop: 16844, Start Num: 16
Candidate Starts for Phoebus_25:
(Start: 16 @16275 has 35 MA's), (72, 16560), (91, 16641), (98, 16671), (101, 16686), (102, 16689), (106, 16725), (108, 16731), (115, 16764), (127, 16830),

Gene: Phrann_8 Start: 5997, Stop: 6482, Start Num: 30
Candidate Starts for Phrann_8:
(9, 5883), (12, 5895), (Start: 30 @5997 has 42 MA's), (37, 6036), (45, 6084), (48, 6114), (63, 6183), (71, 6216), (87, 6273), (90, 6294), (95, 6315), (110, 6390), (116, 6408), (118, 6423), (126, 6465),

Gene: Pineda_10 Start: 7302, Stop: 7892, Start Num: 7
Candidate Starts for Pineda_10:
(Start: 7 @7302 has 42 MA's), (21, 7356), (41, 7482), (53, 7551), (55, 7560), (56, 7566), (61, 7587), (68, 7614), (70, 7626), (81, 7671), (103, 7767), (107, 7797), (116, 7830),

Gene: PinkFriday_7 Start: 6345, Stop: 6926, Start Num: 10
Candidate Starts for PinkFriday_7:
(Start: 10 @6345 has 52 MA's), (Start: 13 @6354 has 25 MA's), (23, 6399), (31, 6444), (46, 6528), (47, 6534), (63, 6624), (70, 6654), (83, 6705), (87, 6714), (103, 6792), (107, 6822), (123, 6897), (128, 6915),

Gene: Pipsqueaks_8 Start: 5956, Stop: 6441, Start Num: 30
Candidate Starts for Pipsqueaks_8:
(8, 5854), (9, 5860), (12, 5872), (Start: 30 @5956 has 42 MA's), (37, 5995), (45, 6043), (48, 6073), (56, 6115), (59, 6130), (63, 6142), (66, 6151), (71, 6175), (87, 6232), (90, 6253), (95, 6274), (110, 6349), (116, 6367), (118, 6382), (125, 6415), (126, 6424),

Gene: PitaDog_7 Start: 6318, Stop: 6896, Start Num: 10
Candidate Starts for PitaDog_7:
(Start: 10 @6318 has 52 MA's), (Start: 13 @6327 has 25 MA's), (23, 6372), (46, 6501), (47, 6507), (56, 6570), (59, 6585), (63, 6597), (70, 6627), (83, 6678), (85, 6681), (87, 6687), (97, 6738), (98, 6741), (103, 6765), (107, 6795), (117, 6840), (123, 6870), (126, 6885), (128, 6888),

Gene: Polka_9 Start: 7141, Stop: 7731, Start Num: 7
Candidate Starts for Polka_9:
(Start: 7 @7141 has 42 MA's), (21, 7195), (41, 7321), (53, 7390), (55, 7399), (56, 7405), (61, 7426), (68, 7453), (70, 7465), (81, 7510), (103, 7606), (107, 7636), (116, 7669),

Gene: PondAmelia_11 Start: 7016, Stop: 7567, Start Num: 18
Candidate Starts for PondAmelia_11:
(Start: 18 @7016 has 79 MA's), (44, 7163), (48, 7193), (54, 7226), (57, 7241), (85, 7343), (89, 7370), (95, 7394), (109, 7466), (116, 7493),

Gene: Porcelain_23 Start: 13748, Stop: 14317, Start Num: 16
Candidate Starts for Porcelain_23:
(Start: 15 @13745 has 5 MA's), (Start: 16 @13748 has 35 MA's), (42, 13889), (61, 13991), (72, 14033), (96, 14135), (98, 14144), (102, 14162), (106, 14198), (111, 14219), (115, 14237), (120, 14270), (122, 14282), (127, 14303),

Gene: Potatoes_11 Start: 9236, Stop: 9814, Start Num: 10
Candidate Starts for Potatoes_11:
(Start: 10 @9236 has 52 MA's), (Start: 13 @9245 has 25 MA's), (23, 9290), (46, 9419), (47, 9425), (52, 9470), (56, 9488), (59, 9503), (63, 9515), (83, 9596), (85, 9599), (87, 9605), (97, 9656), (98, 9659), (101, 9671), (103, 9683), (107, 9713), (114, 9734), (117, 9758), (123, 9788), (126, 9803), (128, 9806),

Gene: Pound_25 Start: 16367, Stop: 16936, Start Num: 16
Candidate Starts for Pound_25:
(Start: 16 @16367 has 35 MA's), (72, 16652), (91, 16733), (98, 16763), (101, 16778), (102, 16781), (106, 16817), (108, 16823), (115, 16856), (127, 16922),

Gene: Preamble_7 Start: 6328, Stop: 6906, Start Num: 10
Candidate Starts for Preamble_7:
(Start: 10 @6328 has 52 MA's), (Start: 13 @6337 has 25 MA's), (23, 6382), (46, 6511), (47, 6517), (63, 6607), (71, 6640), (83, 6688), (87, 6697), (97, 6748), (98, 6751), (101, 6763), (103, 6775), (107, 6805), (114, 6826), (117, 6850), (123, 6880), (126, 6895), (128, 6898),

Gene: Pterodactyl_7 Start: 6319, Stop: 6897, Start Num: 10
Candidate Starts for Pterodactyl_7:
(Start: 10 @6319 has 52 MA's), (Start: 13 @6328 has 25 MA's), (23, 6373), (46, 6502), (47, 6508), (56, 6571), (59, 6586), (63, 6598), (83, 6679), (85, 6682), (87, 6688), (97, 6739), (98, 6742), (103, 6766), (107, 6796), (117, 6841), (123, 6871), (126, 6886), (128, 6889),

Gene: Pumancara_7 Start: 6344, Stop: 6925, Start Num: 10
Candidate Starts for Pumancara_7:
(Start: 10 @6344 has 52 MA's), (Start: 13 @6353 has 25 MA's), (23, 6398), (31, 6443), (46, 6527), (47, 6533), (63, 6623), (70, 6653), (83, 6704), (87, 6713), (103, 6791), (107, 6821), (123, 6896), (128, 6914),

Gene: Purgamenstris_8 Start: 5997, Stop: 6482, Start Num: 30
Candidate Starts for Purgamenstris_8:

(9, 5883), (12, 5895), (Start: 30 @5997 has 42 MA's), (37, 6036), (38, 6042), (45, 6084), (48, 6114), (63, 6183), (71, 6216), (87, 6273), (90, 6294), (95, 6315), (110, 6390), (116, 6408), (118, 6423), (126, 6465),

Gene: QMacho_9 Start: 7246, Stop: 7806, Start Num: 18
Candidate Starts for QMacho_9:
(Start: 18 @7246 has 79 MA's), (44, 7393), (46, 7399), (48, 7423), (97, 7642), (109, 7705), (123, 7774),

Gene: QueenHazel_9 Start: 6990, Stop: 7535, Start Num: 19
Candidate Starts for QueenHazel_9:
(4, 6804), (Start: 19 @6990 has 34 MA's), (Start: 25 @7026 has 1 MA's), (40, 7113), (41, 7122), (48, 7167), (54, 7200), (87, 7326), (122, 7500), (127, 7521),

Gene: Quenya_9 Start: 6901, Stop: 7452, Start Num: 18
Candidate Starts for Quenya_9:
(Start: 18 @6901 has 79 MA's), (44, 7048), (48, 7078), (54, 7111), (57, 7126), (89, 7255), (95, 7279), (97, 7288), (109, 7351),

Gene: RAP15_11 Start: 9242, Stop: 9820, Start Num: 10
Candidate Starts for RAP15_11:
(Start: 10 @9242 has 52 MA's), (Start: 13 @9251 has 25 MA's), (23, 9296), (46, 9425), (47, 9431), (52, 9476), (56, 9494), (59, 9509), (63, 9521), (85, 9605), (87, 9611), (97, 9662), (98, 9665), (103, 9689), (107, 9719), (114, 9740), (117, 9764), (123, 9794), (126, 9809), (128, 9812),

Gene: Rattail_8 Start: 6765, Stop: 7352, Start Num: 7
Candidate Starts for Rattail_8:
(Start: 7 @6765 has 42 MA's), (27, 6858), (32, 6888), (41, 6945), (54, 7020), (55, 7023), (61, 7050), (70, 7086), (81, 7131), (88, 7161), (103, 7227), (106, 7254), (107, 7257),

Gene: Raymond7_8 Start: 5997, Stop: 6482, Start Num: 30
Candidate Starts for Raymond7_8:
(9, 5883), (12, 5895), (Start: 30 @5997 has 42 MA's), (37, 6036), (45, 6084), (48, 6114), (63, 6183), (71, 6216), (87, 6273), (90, 6294), (95, 6315), (110, 6390), (116, 6408), (118, 6423), (126, 6465),

Gene: RcigaStruga_11 Start: 9225, Stop: 9803, Start Num: 10
Candidate Starts for RcigaStruga_11:
(Start: 10 @9225 has 52 MA's), (Start: 13 @9234 has 25 MA's), (23, 9279), (43, 9396), (46, 9408), (47, 9414), (56, 9477), (87, 9594), (103, 9672), (107, 9702), (128, 9795),

Gene: Rearden_20 Start: 12733, Stop: 13302, Start Num: 16
Candidate Starts for Rearden_20:
(Start: 15 @12730 has 5 MA's), (Start: 16 @12733 has 35 MA's), (42, 12874), (61, 12976), (72, 13018), (96, 13120), (98, 13129), (102, 13147), (106, 13183), (111, 13204), (115, 13222), (120, 13255), (122, 13267), (127, 13288),

Gene: Rebel_8 Start: 5997, Stop: 6482, Start Num: 30
Candidate Starts for Rebel_8:
(9, 5883), (12, 5895), (Start: 30 @5997 has 42 MA's), (37, 6036), (38, 6042), (45, 6084), (48, 6114), (63, 6183), (71, 6216), (87, 6273), (90, 6294), (95, 6315), (110, 6390), (116, 6408), (118, 6423), (126, 6465),

Gene: RedFox_8 Start: 6714, Stop: 7301, Start Num: 7
Candidate Starts for RedFox_8:

(Start: 7 @6714 has 42 MA's), (37, 6861), (41, 6894), (49, 6939), (54, 6969), (55, 6972), (63, 7005), (69, 7029), (70, 7035), (81, 7080), (86, 7092), (88, 7110), (90, 7119), (103, 7176), (106, 7203), (107, 7206),

Gene: Redi_8 Start: 5997, Stop: 6482, Start Num: 30
Candidate Starts for Redi_8:
(9, 5883), (12, 5895), (Start: 30 @5997 has 42 MA's), (37, 6036), (38, 6042), (45, 6084), (48, 6114), (63, 6183), (71, 6216), (87, 6273), (90, 6294), (95, 6315), (110, 6390), (116, 6408), (118, 6423), (126, 6465),

Gene: Redno2_24 Start: 15759, Stop: 16328, Start Num: 16
Candidate Starts for Redno2_24:
(Start: 16 @15759 has 35 MA's), (72, 16044), (91, 16125), (98, 16155), (101, 16170), (102, 16173), (106, 16209), (108, 16215), (115, 16248), (127, 16314),

Gene: Renna12_9 Start: 6911, Stop: 7501, Start Num: 7
Candidate Starts for Renna12_9:
(Start: 7 @6911 has 42 MA's), (27, 7004), (41, 7091), (54, 7166), (55, 7169), (61, 7196), (63, 7202), (69, 7226), (70, 7232), (81, 7280), (103, 7376), (106, 7403), (107, 7406),

Gene: Reyja_9 Start: 6424, Stop: 6957, Start Num: 20
Candidate Starts for Reyja_9:
(Start: 20 @6424 has 6 MA's), (40, 6544), (87, 6751), (122, 6922), (128, 6946),

Gene: Riovina_7 Start: 6351, Stop: 6923, Start Num: 13
Candidate Starts for Riovina_7:
(Start: 10 @6342 has 52 MA's), (Start: 13 @6351 has 25 MA's), (23, 6396), (31, 6441), (43, 6513), (46, 6525), (47, 6531), (63, 6621), (70, 6651), (83, 6702), (87, 6711), (97, 6762), (98, 6765), (101, 6777), (103, 6789), (107, 6819), (116, 6852), (128, 6912),

Gene: Riverdale_11 Start: 9173, Stop: 9751, Start Num: 10
Candidate Starts for Riverdale_11:
(Start: 10 @9173 has 52 MA's), (Start: 13 @9182 has 25 MA's), (23, 9227), (46, 9356), (47, 9362), (52, 9407), (56, 9425), (59, 9440), (63, 9452), (85, 9536), (87, 9542), (97, 9593), (98, 9596), (103, 9620), (107, 9650), (114, 9671), (117, 9695), (123, 9725), (126, 9740), (128, 9743),

Gene: Rollins_7 Start: 6593, Stop: 7153, Start Num: 18
Candidate Starts for Rollins_7:
(Start: 18 @6593 has 79 MA's), (83, 6926), (99, 6998),

Gene: Rona_8 Start: 6996, Stop: 7553, Start Num: 18
Candidate Starts for Rona_8:
(Start: 18 @6996 has 79 MA's), (44, 7143), (48, 7173), (83, 7326), (97, 7389), (109, 7452), (123, 7521),

Gene: Rozby_11 Start: 9173, Stop: 9751, Start Num: 10
Candidate Starts for Rozby_11:
(Start: 10 @9173 has 52 MA's), (Start: 13 @9182 has 25 MA's), (23, 9227), (46, 9356), (47, 9362), (52, 9407), (56, 9425), (59, 9440), (63, 9452), (85, 9536), (87, 9542), (97, 9593), (98, 9596), (101, 9608), (103, 9620), (107, 9650), (114, 9671), (117, 9695), (123, 9725), (126, 9740), (128, 9743),

Gene: Ruchi_9 Start: 7376, Stop: 7963, Start Num: 7
Candidate Starts for Ruchi_9:

(Start: 7 @7376 has 42 MA's), (41, 7556), (52, 7622), (55, 7634), (56, 7640), (61, 7661), (66, 7676), (70, 7697), (103, 7838), (107, 7868),

Gene: Ryadel_45 Start: 22639, Stop: 23244, Start Num: 19
Candidate Starts for Ryadel_45:
(Start: 19 @22639 has 34 MA's), (32, 22717), (40, 22765), (41, 22774), (46, 22792), (61, 22882), (66, 22897), (74, 22948), (85, 22999), (87, 23005), (95, 23053), (97, 23062), (98, 23065), (100, 23074), (112, 23137), (125, 23194), (126, 23203), (130, 23230),

Gene: SanaSana_9 Start: 7016, Stop: 7567, Start Num: 18
Candidate Starts for SanaSana_9:
(Start: 18 @7016 has 79 MA's), (44, 7163), (48, 7193), (54, 7226), (57, 7241), (85, 7343), (89, 7370), (95, 7394), (109, 7466), (116, 7493),

Gene: SansAfet_8 Start: 6776, Stop: 7336, Start Num: 18
Candidate Starts for SansAfet_8:
(Start: 18 @6776 has 79 MA's), (44, 6923), (46, 6929), (48, 6953), (59, 7010), (62, 7019), (95, 7163), (97, 7172), (109, 7235), (123, 7304),

Gene: Santhid_8 Start: 6292, Stop: 6825, Start Num: 20
Candidate Starts for Santhid_8:
(Start: 20 @6292 has 6 MA's), (40, 6412), (51, 6472), (87, 6619), (122, 6790), (128, 6814),

Gene: SarBear_8 Start: 6739, Stop: 7299, Start Num: 18
Candidate Starts for SarBear_8:
(Start: 18 @6739 has 79 MA's), (44, 6886), (46, 6892), (48, 6916), (97, 7135), (109, 7198), (123, 7267),

Gene: Savage2526_11 Start: 9236, Stop: 9814, Start Num: 10
Candidate Starts for Savage2526_11:
(Start: 10 @9236 has 52 MA's), (Start: 13 @9245 has 25 MA's), (23, 9290), (46, 9419), (47, 9425), (52, 9470), (56, 9488), (59, 9503), (63, 9515), (85, 9599), (87, 9605), (97, 9656), (98, 9659), (103, 9683), (107, 9713), (114, 9734), (117, 9758), (123, 9788), (126, 9803), (128, 9806),

Gene: Sbash_8 Start: 6564, Stop: 7112, Start Num: 19
Candidate Starts for Sbash_8:
(Start: 19 @6564 has 34 MA's), (Start: 25 @6600 has 1 MA's), (34, 6651), (40, 6687), (41, 6696), (46, 6714), (48, 6741), (54, 6774), (60, 6801), (63, 6810), (95, 6948), (96, 6951), (106, 6999), (117, 7050), (122, 7077), (127, 7098),

Gene: Schatzie_23 Start: 15300, Stop: 15869, Start Num: 16
Candidate Starts for Schatzie_23:
(Start: 16 @15300 has 35 MA's), (41, 15438), (53, 15507), (72, 15585), (91, 15666), (98, 15696), (101, 15711), (102, 15714), (106, 15750), (108, 15756), (115, 15789), (127, 15855),

Gene: Schnauzer_8 Start: 5956, Stop: 6441, Start Num: 30
Candidate Starts for Schnauzer_8:
(8, 5854), (9, 5860), (12, 5872), (Start: 30 @5956 has 42 MA's), (37, 5995), (45, 6043), (48, 6073), (56, 6115), (59, 6130), (63, 6142), (66, 6151), (71, 6175), (87, 6232), (90, 6253), (95, 6274), (110, 6349), (116, 6367), (118, 6382), (125, 6415), (126, 6424),

Gene: SchoolBus_41 Start: 21580, Stop: 22185, Start Num: 19
Candidate Starts for SchoolBus_41:

(Start: 19 @21580 has 34 MA's), (Start: 22 @21595 has 1 MA's), (32, 21658), (40, 21706), (41, 21715), (46, 21733), (61, 21823), (66, 21838), (85, 21940), (87, 21946), (94, 21988), (95, 21994), (97, 22003), (98, 22006), (100, 22015), (112, 22078), (125, 22135), (126, 22144), (130, 22171),

Gene: Schuy_42 Start: 21513, Stop: 22118, Start Num: 19
Candidate Starts for Schuy_42:
(Start: 19 @21513 has 34 MA's), (Start: 22 @21528 has 1 MA's), (32, 21591), (40, 21639), (41, 21648), (46, 21666), (61, 21756), (66, 21771), (85, 21873), (87, 21879), (94, 21921), (95, 21927), (97, 21936), (98, 21939), (100, 21948), (112, 22011), (125, 22068), (126, 22077), (130, 22104),

Gene: Scitech_8 Start: 5956, Stop: 6441, Start Num: 30
Candidate Starts for Scitech_8:
(8, 5854), (9, 5860), (12, 5872), (Start: 30 @5956 has 42 MA's), (37, 5995), (45, 6043), (48, 6073), (56, 6115), (59, 6130), (63, 6142), (66, 6151), (71, 6175), (87, 6232), (90, 6253), (95, 6274), (110, 6349), (116, 6367), (118, 6382), (125, 6415), (126, 6424),

Gene: Scuttle_11 Start: 9251, Stop: 9820, Start Num: 13
Candidate Starts for Scuttle_11:
(Start: 10 @9242 has 52 MA's), (Start: 13 @9251 has 25 MA's), (23, 9296), (46, 9425), (47, 9431), (52, 9476), (56, 9494), (59, 9509), (63, 9521), (85, 9605), (87, 9611), (97, 9662), (98, 9665), (103, 9689), (107, 9719), (114, 9740), (117, 9764), (123, 9794), (126, 9809), (128, 9812),

Gene: Sergei_7 Start: 6353, Stop: 6925, Start Num: 13
Candidate Starts for Sergei_7:
(Start: 10 @6344 has 52 MA's), (Start: 13 @6353 has 25 MA's), (23, 6398), (31, 6443), (46, 6527), (47, 6533), (63, 6623), (70, 6653), (83, 6704), (87, 6713), (103, 6791), (107, 6821), (123, 6896), (128, 6914),

Gene: Shaboozey_17 Start: 12159, Stop: 12728, Start Num: 16
Candidate Starts for Shaboozey_17:
(Start: 15 @12156 has 5 MA's), (Start: 16 @12159 has 35 MA's), (42, 12300), (61, 12402), (72, 12444), (96, 12546), (98, 12555), (102, 12573), (106, 12609), (111, 12630), (115, 12648), (120, 12681), (122, 12693), (127, 12714),

Gene: Sharkboy_8 Start: 6995, Stop: 7552, Start Num: 18
Candidate Starts for Sharkboy_8:
(Start: 18 @6995 has 79 MA's), (44, 7142), (48, 7172), (83, 7325), (97, 7388), (109, 7451), (123, 7520),

Gene: Shayna_7 Start: 6598, Stop: 7158, Start Num: 18
Candidate Starts for Shayna_7:
(Start: 18 @6598 has 79 MA's), (26, 6643), (44, 6748), (46, 6754), (76, 6895), (79, 6916), (85, 6934), (101, 7009), (109, 7057),

Gene: Shen_10 Start: 7302, Stop: 7889, Start Num: 7
Candidate Starts for Shen_10:
(Start: 7 @7302 has 42 MA's), (41, 7482), (50, 7530), (55, 7560), (56, 7566), (61, 7587), (64, 7599), (66, 7602), (70, 7623), (78, 7644), (92, 7716), (103, 7764), (116, 7827), (119, 7845),

Gene: Shida_41 Start: 21420, Stop: 22025, Start Num: 19
Candidate Starts for Shida_41:
(Start: 19 @21420 has 34 MA's), (32, 21498), (40, 21546), (41, 21555), (46, 21573), (61, 21663), (66, 21678), (85, 21780), (87, 21786), (94, 21828), (95, 21834), (97, 21843), (98, 21846), (100, 21855), (112, 21918), (125, 21975), (126, 21984), (130, 22011),

Gene: ShrimpFriedEgg_8 Start: 5997, Stop: 6482, Start Num: 30
Candidate Starts for ShrimpFriedEgg_8:
(9, 5883), (12, 5895), (Start: 30 @5997 has 42 MA's), (37, 6036), (38, 6042), (45, 6084), (48, 6114), (63, 6183), (71, 6216), (87, 6273), (90, 6294), (95, 6315), (110, 6390), (116, 6408), (118, 6423), (126, 6465),

Gene: Shweta_8 Start: 5997, Stop: 6482, Start Num: 30
Candidate Starts for Shweta_8:
(9, 5883), (12, 5895), (Start: 30 @5997 has 42 MA's), (37, 6036), (45, 6084), (48, 6114), (63, 6183), (71, 6216), (87, 6273), (90, 6294), (95, 6315), (110, 6390), (116, 6408), (118, 6423), (126, 6465),

Gene: Silvafighter_8 Start: 5956, Stop: 6441, Start Num: 30
Candidate Starts for Silvafighter_8:
(8, 5854), (9, 5860), (12, 5872), (Start: 30 @5956 has 42 MA's), (37, 5995), (45, 6043), (48, 6073), (56, 6115), (59, 6130), (63, 6142), (66, 6151), (71, 6175), (87, 6232), (90, 6253), (95, 6274), (110, 6349), (116, 6367), (118, 6382), (125, 6415), (126, 6424),

Gene: Silvy_8 Start: 5956, Stop: 6441, Start Num: 30
Candidate Starts for Silvy_8:
(8, 5854), (9, 5860), (12, 5872), (Start: 30 @5956 has 42 MA's), (37, 5995), (45, 6043), (48, 6073), (56, 6115), (59, 6130), (63, 6142), (66, 6151), (71, 6175), (87, 6232), (90, 6253), (95, 6274), (110, 6349), (116, 6367), (118, 6382), (125, 6415), (126, 6424),

Gene: SirBeanington_8 Start: 6756, Stop: 7325, Start Num: 18
Candidate Starts for SirBeanington_8:
(Start: 18 @6756 has 79 MA's), (24, 6789), (44, 6903), (46, 6909), (48, 6933), (65, 7011), (109, 7224), (123, 7293),

Gene: SkinnyPete_8 Start: 5997, Stop: 6482, Start Num: 30
Candidate Starts for SkinnyPete_8:
(9, 5883), (12, 5895), (Start: 30 @5997 has 42 MA's), (37, 6036), (38, 6042), (45, 6084), (48, 6114), (63, 6183), (71, 6216), (87, 6273), (90, 6294), (95, 6315), (110, 6390), (116, 6408), (118, 6423), (126, 6465),

Gene: Skylord_7 Start: 6533, Stop: 7093, Start Num: 18
Candidate Starts for Skylord_7:
(Start: 18 @6533 has 79 MA's), (83, 6866), (99, 6938),

Gene: Slay_8 Start: 7215, Stop: 7775, Start Num: 18
Candidate Starts for Slay_8:
(Start: 18 @7215 has 79 MA's), (44, 7362), (46, 7368), (48, 7392), (109, 7674), (123, 7743),

Gene: Smooch_43 Start: 22708, Stop: 23313, Start Num: 19
Candidate Starts for Smooch_43:
(Start: 19 @22708 has 34 MA's), (Start: 22 @22723 has 1 MA's), (32, 22786), (40, 22834), (41, 22843), (61, 22951), (66, 22966), (85, 23068), (87, 23074), (94, 23116), (95, 23122), (97, 23131), (98, 23134), (100, 23143), (112, 23206), (125, 23263), (126, 23272), (130, 23299),

Gene: Smurph_8 Start: 5956, Stop: 6441, Start Num: 30
Candidate Starts for Smurph_8:
(8, 5854), (9, 5860), (12, 5872), (Start: 30 @5956 has 42 MA's), (37, 5995), (45, 6043), (48, 6073), (56, 6115), (59, 6130), (63, 6142), (66, 6151), (71, 6175), (87, 6232), (90, 6253), (95, 6274), (110, 6349),

(116, 6367), (118, 6382), (125, 6415), (126, 6424),

Gene: Snekmaggedon_8 Start: 5997, Stop: 6482, Start Num: 30
Candidate Starts for Snekmaggedon_8:
(9, 5883), (12, 5895), (Start: 30 @5997 has 42 MA's), (37, 6036), (38, 6042), (45, 6084), (48, 6114), (63, 6183), (71, 6216), (87, 6273), (90, 6294), (95, 6315), (110, 6390), (116, 6408), (118, 6423), (126, 6465),

Gene: Softsoap_8 Start: 6765, Stop: 7325, Start Num: 18
Candidate Starts for Softsoap_8:
(Start: 18 @6765 has 79 MA's), (44, 6912), (46, 6918), (48, 6942), (59, 6999), (95, 7152), (97, 7161), (109, 7224), (123, 7293),

Gene: Solea_9 Start: 7151, Stop: 7711, Start Num: 18
Candidate Starts for Solea_9:
(Start: 18 @7151 has 79 MA's), (44, 7298), (46, 7304), (48, 7328), (59, 7385), (95, 7538), (97, 7547), (109, 7610), (123, 7679),

Gene: Spinach_8 Start: 5997, Stop: 6482, Start Num: 30
Candidate Starts for Spinach_8:
(9, 5883), (12, 5895), (Start: 30 @5997 has 42 MA's), (37, 6036), (38, 6042), (45, 6084), (48, 6114), (63, 6183), (71, 6216), (87, 6273), (90, 6294), (95, 6315), (110, 6390), (116, 6408), (118, 6423), (126, 6465),

Gene: SpongeBob_8 Start: 5997, Stop: 6482, Start Num: 30
Candidate Starts for SpongeBob_8:
(9, 5883), (12, 5895), (Start: 30 @5997 has 42 MA's), (37, 6036), (38, 6042), (45, 6084), (48, 6114), (63, 6183), (71, 6216), (87, 6273), (90, 6294), (95, 6315), (110, 6390), (116, 6408), (118, 6423), (126, 6465),

Gene: Squint_22 Start: 13875, Stop: 14444, Start Num: 16
Candidate Starts for Squint_22:
(Start: 15 @13872 has 5 MA's), (Start: 16 @13875 has 35 MA's), (42, 14016), (61, 14118), (72, 14160), (96, 14262), (98, 14271), (102, 14289), (106, 14325), (111, 14346), (115, 14364), (120, 14397), (122, 14409), (127, 14430),

Gene: Squircle_8 Start: 6995, Stop: 7555, Start Num: 18
Candidate Starts for Squircle_8:
(Start: 18 @6995 has 79 MA's), (44, 7145), (46, 7151), (71, 7280), (89, 7358), (95, 7382), (99, 7400), (107, 7448), (109, 7454), (116, 7481),

Gene: Stoor_8 Start: 7013, Stop: 7564, Start Num: 18
Candidate Starts for Stoor_8:
(Start: 18 @7013 has 79 MA's), (44, 7160), (48, 7190), (54, 7223), (57, 7238), (85, 7340), (89, 7367), (95, 7391), (109, 7463), (116, 7490),

Gene: Stromboli_8 Start: 7014, Stop: 7565, Start Num: 18
Candidate Starts for Stromboli_8:
(Start: 18 @7014 has 79 MA's), (44, 7161), (48, 7191), (54, 7224), (57, 7239), (95, 7392), (109, 7464), (116, 7491), (129, 7560),

Gene: StuartMinion_8 Start: 6740, Stop: 7327, Start Num: 7
Candidate Starts for StuartMinion_8:

(Start: 7 @6740 has 42 MA's), (27, 6833), (54, 6995), (55, 6998), (56, 7004), (61, 7025), (63, 7031), (66, 7040), (69, 7055), (70, 7061), (81, 7106), (86, 7118), (103, 7202), (106, 7229), (107, 7232),

Gene: Stuck_8 Start: 6576, Stop: 7124, Start Num: 19
Candidate Starts for Stuck_8:
(1, 6279), (2, 6318), (5, 6453), (Start: 19 @6576 has 34 MA's), (Start: 25 @6612 has 1 MA's), (34, 6663), (40, 6699), (41, 6708), (46, 6726), (48, 6753), (52, 6777), (53, 6780), (54, 6786), (63, 6822), (95, 6960), (96, 6963), (117, 7062), (122, 7089),

Gene: SunnyD_7 Start: 6598, Stop: 7158, Start Num: 18
Candidate Starts for SunnyD_7:
(Start: 18 @6598 has 79 MA's), (26, 6643), (44, 6748), (46, 6754), (76, 6895), (79, 6916), (85, 6934), (101, 7009), (109, 7057),

Gene: Supakev_7 Start: 6344, Stop: 6925, Start Num: 10
Candidate Starts for Supakev_7:
(Start: 10 @6344 has 52 MA's), (Start: 13 @6353 has 25 MA's), (23, 6398), (31, 6443), (46, 6527), (47, 6533), (63, 6623), (70, 6653), (83, 6704), (87, 6713), (103, 6791), (107, 6821), (123, 6896), (128, 6914),

Gene: Superphikiman_23 Start: 13929, Stop: 14498, Start Num: 16
Candidate Starts for Superphikiman_23:
(Start: 15 @13926 has 5 MA's), (Start: 16 @13929 has 35 MA's), (42, 14070), (61, 14172), (72, 14214), (96, 14316), (98, 14325), (102, 14343), (106, 14379), (111, 14400), (115, 14418), (120, 14451), (122, 14463), (127, 14484),

Gene: Suppi_11 Start: 9265, Stop: 9837, Start Num: 11
Candidate Starts for Suppi_11:
(Start: 11 @9265 has 7 MA's), (43, 9427), (46, 9439), (47, 9445), (52, 9490), (85, 9619), (87, 9625), (103, 9703), (107, 9733), (117, 9778), (118, 9781), (126, 9823), (128, 9826),

Gene: Swervy_8 Start: 6739, Stop: 7299, Start Num: 18
Candidate Starts for Swervy_8:
(Start: 18 @6739 has 79 MA's), (44, 6886), (46, 6892), (48, 6916), (97, 7135), (109, 7198), (123, 7267),

Gene: Tapioca_8 Start: 5956, Stop: 6441, Start Num: 30
Candidate Starts for Tapioca_8:
(8, 5854), (9, 5860), (12, 5872), (Start: 30 @5956 has 42 MA's), (37, 5995), (45, 6043), (48, 6073), (56, 6115), (59, 6130), (63, 6142), (66, 6151), (71, 6175), (87, 6232), (90, 6253), (95, 6274), (110, 6349), (116, 6367), (118, 6382), (125, 6415), (126, 6424),

Gene: Tarzan_8 Start: 6283, Stop: 6816, Start Num: 20
Candidate Starts for Tarzan_8:
(Start: 20 @6283 has 6 MA's), (37, 6379), (46, 6430), (47, 6436), (87, 6610), (128, 6805),

Gene: TattModd_11 Start: 9236, Stop: 9814, Start Num: 10
Candidate Starts for TattModd_11:
(Start: 10 @9236 has 52 MA's), (Start: 13 @9245 has 25 MA's), (23, 9290), (46, 9419), (47, 9425), (52, 9470), (56, 9488), (59, 9503), (61, 9509), (63, 9515), (85, 9599), (87, 9605), (97, 9656), (98, 9659), (103, 9683), (107, 9713), (114, 9734), (117, 9758), (123, 9788), (126, 9803), (128, 9806),

Gene: TaylorSipht_9 Start: 7181, Stop: 7768, Start Num: 7
Candidate Starts for TaylorSipht_9:

(Start: 7 @7181 has 42 MA's), (41, 7361), (49, 7406), (55, 7439), (56, 7445), (61, 7466), (66, 7481), (67, 7487), (70, 7502), (103, 7643), (116, 7706),

Gene: Teagster_7 Start: 6601, Stop: 7158, Start Num: 18
Candidate Starts for Teagster_7:
(Start: 18 @6601 has 79 MA's), (26, 6646), (44, 6751), (46, 6757), (79, 6916), (85, 6934), (101, 7009), (109, 7057), (121, 7120),

Gene: TelAviv_38 Start: 21574, Stop: 22179, Start Num: 19
Candidate Starts for TelAviv_38:
(Start: 19 @21574 has 34 MA's), (Start: 22 @21589 has 1 MA's), (32, 21652), (40, 21700), (41, 21709), (46, 21727), (61, 21817), (66, 21832), (85, 21934), (87, 21940), (94, 21982), (95, 21988), (97, 21997), (98, 22000), (100, 22009), (112, 22072), (125, 22129), (126, 22138), (130, 22165),

Gene: Temper16_7 Start: 6353, Stop: 6925, Start Num: 13
Candidate Starts for Temper16_7:
(Start: 10 @6344 has 52 MA's), (Start: 13 @6353 has 25 MA's), (23, 6398), (31, 6443), (46, 6527), (47, 6533), (63, 6623), (70, 6653), (83, 6704), (87, 6713), (103, 6791), (107, 6821), (123, 6896), (128, 6914),

Gene: Thibault_21 Start: 15559, Stop: 16128, Start Num: 16
Candidate Starts for Thibault_21:
(Start: 16 @15559 has 35 MA's), (72, 15844), (91, 15925), (98, 15955), (101, 15970), (102, 15973), (106, 16009), (108, 16015), (115, 16048), (127, 16114),

Gene: ThreeRngTarjay_24 Start: 16125, Stop: 16694, Start Num: 16
Candidate Starts for ThreeRngTarjay_24:
(Start: 16 @16125 has 35 MA's), (72, 16410), (91, 16491), (98, 16521), (101, 16536), (102, 16539), (106, 16575), (108, 16581), (115, 16614), (127, 16680),

Gene: Toad24_10 Start: 7302, Stop: 7889, Start Num: 7
Candidate Starts for Toad24_10:
(Start: 7 @7302 has 42 MA's), (41, 7482), (50, 7530), (55, 7560), (56, 7566), (61, 7587), (64, 7599), (66, 7602), (70, 7623), (78, 7644), (92, 7716), (103, 7764), (116, 7827), (119, 7845),

Gene: Tortoise12_8 Start: 5956, Stop: 6441, Start Num: 30
Candidate Starts for Tortoise12_8:
(8, 5854), (9, 5860), (12, 5872), (Start: 30 @5956 has 42 MA's), (37, 5995), (45, 6043), (48, 6073), (56, 6115), (59, 6130), (63, 6142), (66, 6151), (71, 6175), (87, 6232), (90, 6253), (95, 6274), (110, 6349), (116, 6367), (118, 6382), (125, 6415), (126, 6424),

Gene: TukTuk_8 Start: 6739, Stop: 7299, Start Num: 18
Candidate Starts for TukTuk_8:
(Start: 18 @6739 has 79 MA's), (44, 6886), (46, 6892), (48, 6916), (97, 7135), (109, 7198), (123, 7267),

Gene: Urla_7 Start: 6374, Stop: 6952, Start Num: 10
Candidate Starts for Urla_7:
(Start: 10 @6374 has 52 MA's), (Start: 13 @6383 has 25 MA's), (23, 6428), (46, 6557), (47, 6563), (52, 6608), (56, 6626), (63, 6653), (85, 6737), (87, 6743), (97, 6794), (98, 6797), (101, 6809), (103, 6821), (107, 6851), (117, 6896), (123, 6926), (126, 6941), (128, 6944),

Gene: Vagabond_41 Start: 21407, Stop: 22012, Start Num: 19
Candidate Starts for Vagabond_41:

(Start: 19 @21407 has 34 MA's), (Start: 22 @21422 has 1 MA's), (32, 21485), (40, 21533), (41, 21542), (46, 21560), (61, 21650), (66, 21665), (85, 21767), (87, 21773), (94, 21815), (95, 21821), (97, 21830), (98, 21833), (100, 21842), (112, 21905), (125, 21962), (126, 21971), (130, 21998),

Gene: Vallejo_11 Start: 9183, Stop: 9752, Start Num: 13
Candidate Starts for Vallejo_11:
(Start: 10 @9174 has 52 MA's), (Start: 13 @9183 has 25 MA's), (23, 9228), (46, 9357), (47, 9363), (52, 9408), (56, 9426), (59, 9441), (63, 9453), (85, 9537), (87, 9543), (97, 9594), (98, 9597), (103, 9621), (107, 9651), (114, 9672), (117, 9696), (123, 9726), (126, 9741), (128, 9744),

Gene: Vitas_7 Start: 6533, Stop: 7093, Start Num: 18
Candidate Starts for Vitas_7:
(Start: 18 @6533 has 79 MA's), (83, 6866), (99, 6938), (124, 7064),

Gene: Vorrps_40 Start: 21166, Stop: 21771, Start Num: 19
Candidate Starts for Vorrps_40:
(Start: 19 @21166 has 34 MA's), (Start: 22 @21181 has 1 MA's), (32, 21244), (40, 21292), (41, 21301), (46, 21319), (61, 21409), (66, 21424), (85, 21526), (87, 21532), (94, 21574), (95, 21580), (97, 21589), (98, 21592), (100, 21601), (112, 21664), (125, 21721), (126, 21730), (130, 21757),

Gene: Vulpecula_9 Start: 7452, Stop: 8039, Start Num: 7
Candidate Starts for Vulpecula_9:
(Start: 7 @7452 has 42 MA's), (41, 7632), (52, 7698), (55, 7710), (56, 7716), (61, 7737), (66, 7752), (70, 7773), (103, 7914), (107, 7944),

Gene: Vulture_7 Start: 6342, Stop: 6923, Start Num: 10
Candidate Starts for Vulture_7:
(Start: 10 @6342 has 52 MA's), (Start: 13 @6351 has 25 MA's), (23, 6396), (31, 6441), (43, 6513), (46, 6525), (47, 6531), (63, 6621), (66, 6630), (70, 6651), (83, 6702), (87, 6711), (97, 6762), (98, 6765), (101, 6777), (103, 6789), (107, 6819), (116, 6852), (128, 6912),

Gene: WalkingDead_8 Start: 7002, Stop: 7553, Start Num: 18
Candidate Starts for WalkingDead_8:
(Start: 18 @7002 has 79 MA's), (44, 7149), (48, 7179), (54, 7212), (57, 7227), (85, 7329), (95, 7380), (109, 7452), (116, 7479), (129, 7548),

Gene: Wanda_26 Start: 15568, Stop: 16137, Start Num: 16
Candidate Starts for Wanda_26:
(Start: 16 @15568 has 35 MA's), (41, 15706), (53, 15775), (72, 15853), (91, 15934), (98, 15964), (101, 15979), (102, 15982), (106, 16018), (108, 16024), (115, 16057), (127, 16123),

Gene: Wawa_11 Start: 9211, Stop: 9789, Start Num: 10
Candidate Starts for Wawa_11:
(Start: 10 @9211 has 52 MA's), (Start: 13 @9220 has 25 MA's), (23, 9265), (46, 9394), (47, 9400), (52, 9445), (56, 9463), (59, 9478), (63, 9490), (83, 9571), (85, 9574), (87, 9580), (97, 9631), (98, 9634), (101, 9646), (103, 9658), (107, 9688), (114, 9709), (117, 9733), (123, 9763), (126, 9778), (128, 9781),

Gene: Wayne_11 Start: 9311, Stop: 9883, Start Num: 11
Candidate Starts for Wayne_11:
(Start: 11 @9311 has 7 MA's), (43, 9473), (46, 9485), (47, 9491), (52, 9536), (85, 9665), (87, 9671), (103, 9749), (107, 9779), (117, 9824), (118, 9827), (126, 9869), (128, 9872),

Gene: Westrich_10 Start: 7290, Stop: 7877, Start Num: 7

Candidate Starts for Westrich_10:
(Start: 7 @7290 has 42 MA's), (41, 7470), (50, 7518), (55, 7548), (56, 7554), (61, 7575), (64, 7587), (66, 7590), (70, 7611), (78, 7632), (92, 7704), (103, 7752), (116, 7815), (119, 7833),

Gene: Wildflower_41 Start: 21152, Stop: 21757, Start Num: 19
Candidate Starts for Wildflower_41:
(Start: 19 @21152 has 34 MA's), (Start: 22 @21167 has 1 MA's), (32, 21230), (40, 21278), (41, 21287), (46, 21305), (61, 21395), (66, 21410), (85, 21512), (87, 21518), (94, 21560), (95, 21566), (97, 21575), (98, 21578), (100, 21587), (112, 21650), (125, 21707), (126, 21716), (130, 21743),

Gene: WileyE_8 Start: 6787, Stop: 7374, Start Num: 7
Candidate Starts for WileyE_8:
(Start: 7 @6787 has 42 MA's), (41, 6967), (52, 7033), (55, 7045), (56, 7051), (61, 7072), (66, 7087), (70, 7108), (103, 7249), (107, 7279),

Gene: Winget_42 Start: 21846, Stop: 22451, Start Num: 19
Candidate Starts for Winget_42:
(Start: 19 @21846 has 34 MA's), (Start: 22 @21861 has 1 MA's), (32, 21924), (40, 21972), (41, 21981), (46, 21999), (61, 22089), (66, 22104), (85, 22206), (87, 22212), (94, 22254), (95, 22260), (97, 22269), (98, 22272), (100, 22281), (112, 22344), (125, 22401), (126, 22410), (130, 22437),

Gene: Wogge42_40 Start: 21485, Stop: 22090, Start Num: 19
Candidate Starts for Wogge42_40:
(Start: 19 @21485 has 34 MA's), (Start: 22 @21500 has 1 MA's), (32, 21563), (40, 21611), (41, 21620), (46, 21638), (61, 21728), (66, 21743), (85, 21845), (87, 21851), (94, 21893), (95, 21899), (97, 21908), (98, 21911), (100, 21920), (112, 21983), (125, 22040), (126, 22049), (130, 22076),

Gene: WonderBoy_7 Start: 6336, Stop: 6905, Start Num: 13
Candidate Starts for WonderBoy_7:
(Start: 10 @6327 has 52 MA's), (Start: 13 @6336 has 25 MA's), (23, 6381), (46, 6510), (47, 6516), (56, 6579), (59, 6594), (63, 6606), (70, 6636), (83, 6687), (85, 6690), (87, 6696), (97, 6747), (98, 6750), (103, 6774), (107, 6804), (117, 6849), (123, 6879), (126, 6894), (128, 6897),

Gene: Xeno_8 Start: 5956, Stop: 6441, Start Num: 30
Candidate Starts for Xeno_8:
(8, 5854), (9, 5860), (12, 5872), (Start: 30 @5956 has 42 MA's), (37, 5995), (45, 6043), (48, 6073), (56, 6115), (59, 6130), (63, 6142), (66, 6151), (71, 6175), (87, 6232), (90, 6253), (95, 6274), (110, 6349), (116, 6367), (118, 6382), (125, 6415), (126, 6424),

Gene: Xerxes_8 Start: 5956, Stop: 6441, Start Num: 30
Candidate Starts for Xerxes_8:
(8, 5854), (9, 5860), (12, 5872), (Start: 30 @5956 has 42 MA's), (37, 5995), (45, 6043), (48, 6073), (56, 6115), (59, 6130), (63, 6142), (66, 6151), (71, 6175), (87, 6232), (90, 6253), (95, 6274), (110, 6349), (116, 6367), (118, 6382), (125, 6415), (126, 6424),

Gene: Xiaokay_22 Start: 15575, Stop: 16144, Start Num: 16
Candidate Starts for Xiaokay_22:
(Start: 16 @15575 has 35 MA's), (41, 15713), (72, 15860), (91, 15941), (98, 15971), (101, 15986), (102, 15989), (106, 16025), (108, 16031), (115, 16064), (127, 16130),

Gene: Xula_8 Start: 6619, Stop: 7164, Start Num: 19
Candidate Starts for Xula_8:

(4, 6433), (Start: 19 @6619 has 34 MA's), (Start: 25 @6655 has 1 MA's), (40, 6742), (41, 6751), (48, 6796), (54, 6829), (87, 6955), (122, 7129), (127, 7150),

Gene: Yeet_23 Start: 15301, Stop: 15870, Start Num: 16
Candidate Starts for Yeet_23:
(Start: 16 @15301 has 35 MA's), (41, 15439), (72, 15586), (91, 15667), (98, 15697), (101, 15712), (102, 15715), (106, 15751), (108, 15757), (115, 15790), (127, 15856),

Gene: YoyoKar_39 Start: 21130, Stop: 21735, Start Num: 19
Candidate Starts for YoyoKar_39:
(Start: 19 @21130 has 34 MA's), (Start: 22 @21145 has 1 MA's), (32, 21208), (40, 21256), (41, 21265), (46, 21283), (61, 21373), (66, 21388), (85, 21490), (87, 21496), (94, 21538), (95, 21544), (97, 21553), (98, 21556), (100, 21565), (112, 21628), (125, 21685), (126, 21694), (130, 21721),

Gene: YungJamal_44 Start: 21885, Stop: 22490, Start Num: 19
Candidate Starts for YungJamal_44:
(Start: 19 @21885 has 34 MA's), (Start: 22 @21900 has 1 MA's), (32, 21963), (40, 22011), (41, 22020), (46, 22038), (61, 22128), (66, 22143), (85, 22245), (87, 22251), (94, 22293), (95, 22299), (97, 22308), (98, 22311), (100, 22320), (112, 22383), (125, 22440), (126, 22449), (130, 22476),

Gene: Zakhe101_41 Start: 21296, Stop: 21901, Start Num: 19
Candidate Starts for Zakhe101_41:
(Start: 19 @21296 has 34 MA's), (Start: 22 @21311 has 1 MA's), (32, 21374), (40, 21422), (41, 21431), (46, 21449), (61, 21539), (66, 21554), (85, 21656), (87, 21662), (94, 21704), (95, 21710), (97, 21719), (98, 21722), (100, 21731), (112, 21794), (125, 21851), (126, 21860), (130, 21887),

Gene: Zebo_41 Start: 21580, Stop: 22185, Start Num: 19
Candidate Starts for Zebo_41:
(Start: 19 @21580 has 34 MA's), (Start: 22 @21595 has 1 MA's), (32, 21658), (40, 21706), (41, 21715), (46, 21733), (61, 21823), (66, 21838), (85, 21940), (87, 21946), (94, 21988), (95, 21994), (97, 22003), (98, 22006), (100, 22015), (112, 22078), (125, 22135), (126, 22144), (130, 22171),

Gene: Zelink_26 Start: 16153, Stop: 16722, Start Num: 16
Candidate Starts for Zelink_26:
(Start: 16 @16153 has 35 MA's), (41, 16291), (72, 16438), (91, 16519), (98, 16549), (101, 16564), (102, 16567), (106, 16603), (108, 16609), (115, 16642), (127, 16708),

Gene: Zhuangyuan_10 Start: 7471, Stop: 8058, Start Num: 7
Candidate Starts for Zhuangyuan_10:
(Start: 7 @7471 has 42 MA's), (41, 7651), (55, 7729), (60, 7753), (61, 7756), (66, 7771), (70, 7792), (81, 7837), (84, 7843), (86, 7849), (92, 7885), (103, 7933), (107, 7963),

Gene: Zixiang_9 Start: 7090, Stop: 7677, Start Num: 7
Candidate Starts for Zixiang_9:
(Start: 7 @7090 has 42 MA's), (41, 7270), (50, 7318), (55, 7348), (56, 7354), (61, 7375), (66, 7390), (70, 7411), (78, 7432), (84, 7462), (103, 7552), (116, 7615),

Gene: Zorro_11 Start: 9199, Stop: 9768, Start Num: 13
Candidate Starts for Zorro_11:
(Start: 10 @9190 has 52 MA's), (Start: 13 @9199 has 25 MA's), (23, 9244), (46, 9373), (47, 9379), (52, 9424), (56, 9442), (59, 9457), (63, 9469), (83, 9550), (85, 9553), (87, 9559), (97, 9610), (98, 9613), (101, 9625), (103, 9637), (107, 9667), (114, 9688), (117, 9712), (123, 9742), (126, 9757), (128, 9760),