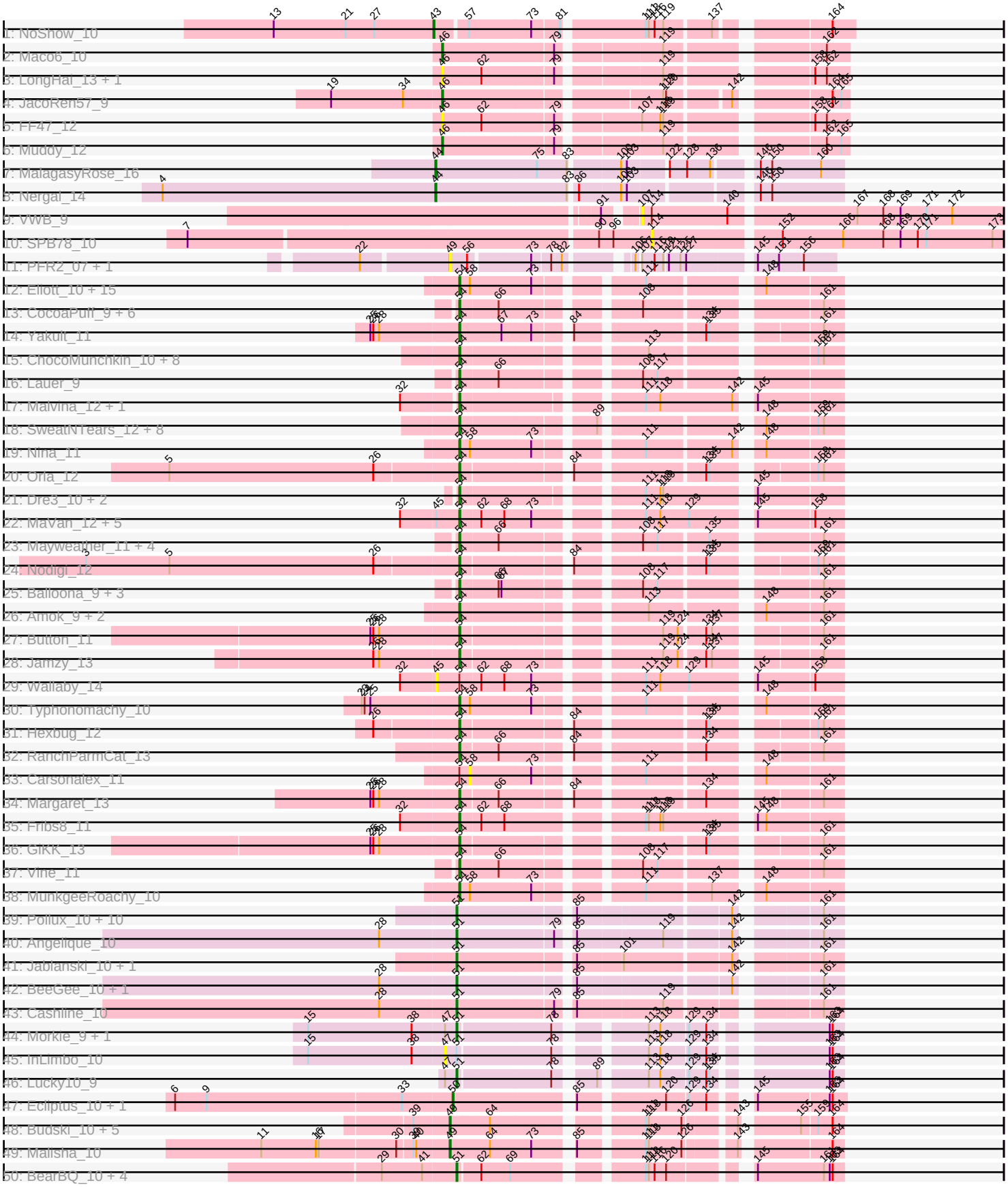
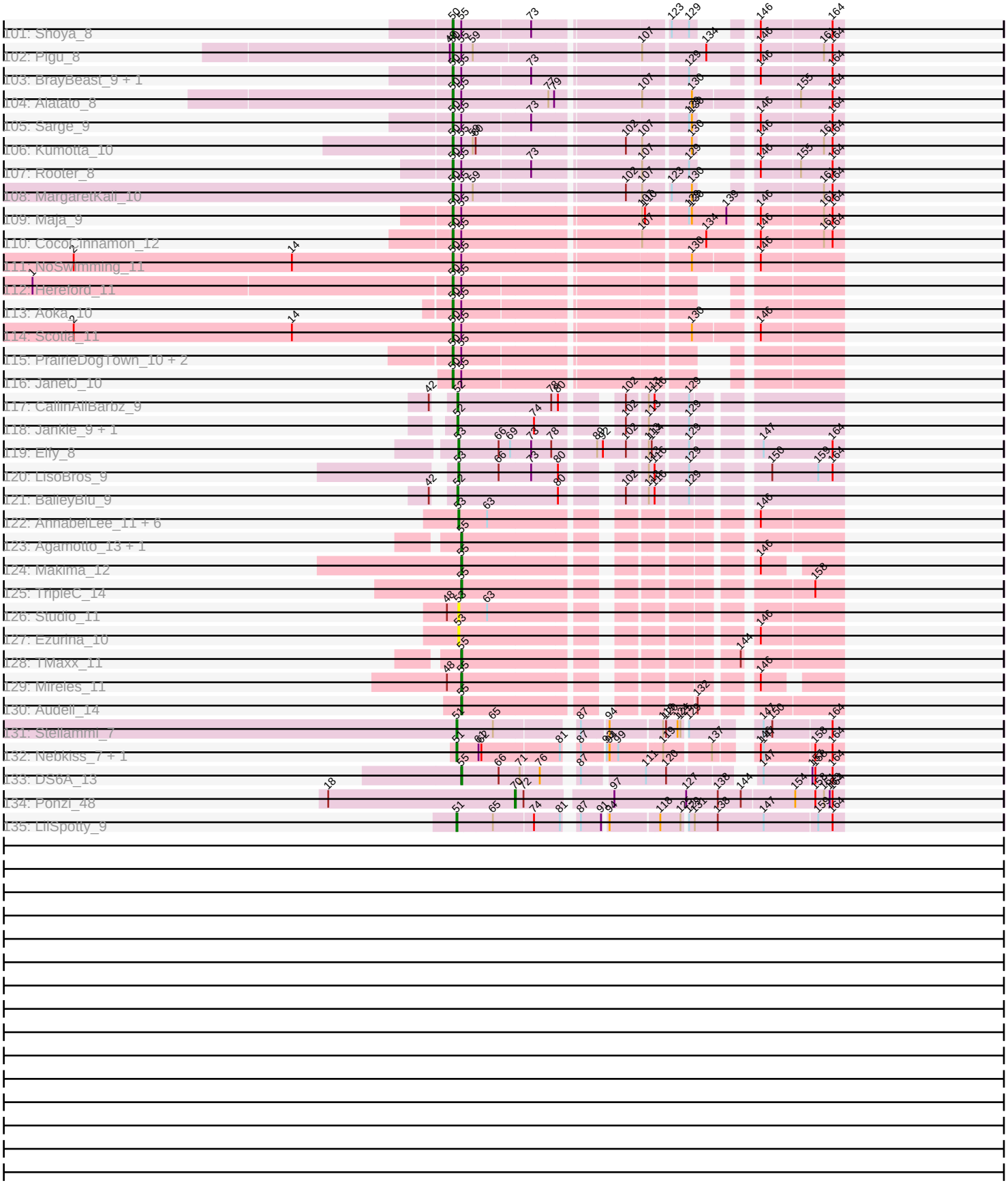
Pham 347088


1: NoShow_10
2: Maco6_10
3: LongHai_13 + 1
4: JacoRen57_9
5: FF47_12
6: Muddy_12
7: MalagasyRose_16
8: Nergal_14
9: VWB_9
10: SPB78_10
11: PFR2_07 + 1
12: Elliott_10 + 15
13: CocoaPuff_9 + 6
14: Yakult_11
15: ChocoMunchkin_10 + 8
16: Lauer_9
17: Malvina_12 + 1
18: SweatNTears_12 + 8
19: Nina_11
20: Orla_12
21: Dre3_10 + 2
22: MaVan_12 + 5
23: Mayweather_11 + 4
24: Nodigi_12
25: Balloona_9 + 3
26: Amok_9 + 2
27: Button_11
28: Jamzy_13
29: Wallaby_14
30: Typhonomachy_10
31: Hexbug_12
32: RanchPanmCat_13
33: Carsonalex_11
34: Margaret_13
35: Fribs8_11
36: GIKK_13
37: Vine_11
38: MunkgeeRoachy_10
39: Pollux_10 + 10
40: Angelique_10
41: Jablanski_10 + 1
42: BeeGee_10 + 1
43: Cashline_10
44: Morkie_9 + 1
45: InLimbo_10
46: Lucky10_9
47: Ecliptus_10 + 1
48: Budski_10 + 5
49: Mallsha_10
50: BearBQ_10 + 4

Pham 347088


51: BotCity_10 + 5
52: Periwinkle_10
53: Kenna_10 + 1
54: Getalong_10 + 1
55: ShawBrad_10
56: Squiddly_11 + 1
57: Spooky_10
58: Kuwabara_10
59: LordVader_9
60: TootsiePop_9 + 6
61: Rita_8 + 27
62: Alexphander_9 + 6
63: Leozinho_9 + 31
64: Brookers_9 + 5
65: EmiMonkey_8 + 58
66: LunaBlu_8 + 5
67: Bobi_9 + 4
68: BobaPhett_8 + 17
69: Elsh_8 + 6
70: Wachhund_8 + 2
71: Ovechkin_8 + 22
72: Veteran_8 + 2
73: VRedHorse_8 + 11
74: Ibhubesi_8 + 1
75: Mwanjiwa_8
76: Job42_9
77: Burwell21_8 + 10
78: Sabbb_8
79: Mozy_9
80: Fastidio_8
81: Phanphagia_8 + 1
82: Hades_8
83: Juniper1_8
84: Piper2020_9 + 1
85: Grimmer_9
86: Marker_9 + 1
87: Spartacus_8 + 3
88: EleanorGeorge_8
89: Aubs_8
90: Kersh_8
91: Ogopogo_11
92: Chevrolet_8 + 1
93: Che8_8
94: Cornucopia_9
95: Yorick_8
96: RockyHorror_9
97: DimMcgirt_9
98: Demsculpinboyz_10 + 8
99: ThetaBob_9 + 3
100: Toron_9

Pham 347088


I01: Shoya_8
I02: Pigu_8
I03: BrayBeast_9 + 1
I04: Alatato_8
I05: Sarge_9
I06: Kumotta_10
I07: Rooter_8
I08: MargaretKali_10
I09: Maja_9
I10: CocoCinnamon_12
I11: NoSwimming_11
I12: Hereford_11
I13: Aoka_10
I14: Scotia_11
I15: PrairieDogTown_10 + 2
I16: JanetD_10
I17: CallinAllBarbz_9
I18: Jankie_9 + 1
I19: Elly_8
I20: LisoBros_9
I21: BaileyBlu_9
I22: AnnabelLee_11 + 6
I23: Agamotto_13 + 1
I24: Makima_12
I25: TripleC_14
I26: Studio_11
I27: Ezurina_10
I28: TMaxx_11
I29: Mireles_11
I30: Audell_14
I31: Stellammi_7
I32: Nebkiss_7 + 1
I33: DS6A_13
I34: Ponzi_48
I35: LilSpotty_9

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 347088 Report

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

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

Pham number 347088 has 465 members, 50 are drafts.

Phages represented in each track:
- Track 1 : NoShow_10
- Track 2 : Maco6_10
- Track 3 : LongHai_13, Salvus_13
- Track 4 : JacoRen57_9
- Track 5 : FF47_12
- Track 6 : Muddy_12
- Track 7 : MalagasyRose_16
- Track 8 : Nergal_14
- Track 9 : VWB_9
- Track 10 : SPB78_10
- Track 11 : PFR2_07, PFR1_07
- Track 12 : Eliott_10, Bubble_10, RedBaron_12, Starburst_11, Burnsey_10, Agatha_10, Cozz_10, GoldHunter_10, PsychoKiller_10, ChickenTender_12, RADical_11, Quasar_10, Sopespian_10, Socotra_11, Axym_10, RSchmailzl_11
- Track 13 : CocoaPuff_9, Bavilard_10, Yucky_10, PotPie_10, KayGee_10, SummitAcademy_9, Elinal_11
- Track 14 : Yakult_11
- Track 15 : ChocoMunchkin_10, Tolls_12, GTE2_08, CanesSauce_10, SteamedHams_12, CaramelLatte_10, AndPeggy_9, BillDoor_12, Yarn_9
- Track 16 : Lauer_9
- Track 17 : Malvina_12, HippoPololi_12
- Track 18 : SweatNTears_12, MScarn_12, SketchMex_9, Horseradish_11, Blondies_11, Yummy_11, Biskit_11, Troje_10, Buttrmlkdreams_10
- Track 19 : Nina_11
- Track 20 : Orla_12
- Track 21 : Dre3_10, Cleo_10, Gibbous_10
- Track 22 : MaVan_12, Wolfwood_12, Zareef_12, Azira_12, Nibbles_12, Survivors_12
- Track 23 : Mayweather_11, ElJefes_9, MAnor_10, CherryonLim_11, Pons_10
- Track 24 : Nodigi_12
- Track 25 : Balloona_9, Tarnish_10, Feastonyeet_9, BigChungus_9
- Track 26 : Amok_9, AikoCarson_9, Emalyn_9
- Track 27 : Button_11

• Track 28 : Jamzy_13
• Track 29 : Wallaby_14
• Track 30 : Typhonomachy_10
• Track 31 : Hexbug_12
• Track 32 : RanchParmCat_13
• Track 33 : Carsonalex_11
• Track 34 : Margaret_13
• Track 35 : Fribs8_11
• Track 36 : GiKK_13
• Track 37 : Vine_11
• Track 38 : MunkgeeRoachy_10
• Track 39 : Pollux_10, Floral_10, BritBrat_10, LonelyBoi_10, Lilas_10, Posh_10, EMsquaredA_10, Bradissa_10, EnalisNailo_10, Confidence_10, Marteena_10
• Track 40 : Angelique_10
• Track 41 : Jablanski_10, Pytheas_10
• Track 42 : BeeGee_10, Wrigley_10
• Track 43 : Cashline_10
• Track 44 : Morkie_9, PhorbesPhlower_9
• Track 45 : InLimbo_10
• Track 46 : Lucky10_9
• Track 47 : Ecliptus_10, ODay_10
• Track 48 : Budski_10, Phabuloso_10, CheeseTouch_10, Holliday_10, LitninMcQueen_10, Kamaru_10
• Track 49 : Malisha_10
• Track 50 : BearBQ_10, MortyNRick_10, Birdsong_10, Apricot_10, Crater_10
• Track 51 : BotCity_10, Horus_10, BENtherdunthat_10, Frickyeah_10, Leroy_10, Asapag_10
• Track 52 : Periwinkle_10
• Track 53 : Kenna_10, Lutum_10
• Track 54 : Getalong_10, Whitney_10
• Track 55 : ShawBrad_10
• Track 56 : Squiddly_11, Phistory_10
• Track 57 : Spooky_10
• Track 58 : Kuwabara_10
• Track 59 : LordVader_9
• Track 60 : TootsiePop_9, Aloeri_9, DocMcStuffins_9, Misha28_9, ChickenDinner_9, Mova_9, Tootsieroll_9
• Track 61 : Rita_8, Guppsters_8, IMpilo_8, Taj_8, SiSi_8, Clank_8, Kenuha5_8, SuperGrey_8, Bipolar_8, DotProduct_8, Ms6_8, Topiatin_10, MilanaBonita_9, SG4_8, DLane_8, QuickMath_8, Firehouse51_8, KristaRAM_9, MilleniumForce_9, DoRead_8, DillTech15_8, Wee_8, Jant_8, DeadP_8, Hamulus_8, Akhila_9, Emma_8, Ardmore_8
• Track 62 : Alexphander_9, UncleRicky_9, Drago_9, Enby_9, Lorde_9, Lucia_9, Oksu_9
• Track 63 : Leozinho_9, Spikelee_9, Plumbus_9, MulchExplorer_9, Slim_9, Hegedechwinu_9, Doomslug_10, Tchotchke_9, Beanstalk_9, Kimberlium_9, Peridot_9, Pollywog_9, OwlsT2W_9, Squirty_9, Girafales_9, DosHalletts_9, Brushbloom_9, Juice456_9, SimranZ1_9, Frankie_9, Boomer_9, Emmaloid_9, Starcevich_9, Beakin_9, DaWorst_9, Totinger_9, Flathead_9, Rialto_9, Ramsey_9, Madiba_9, LittleShirley_9, Quico_9
• Track 64 : Brookers_9, Kingsley_9, Cerasum_9, Sarma624_9, Velveteen_9, BigPhil_9

• Track 65 : EmiMonkey_8, KingMidas_8, Nimbo_8, Estave1_8, ByChance_8, Dorothy_8, OldBen_8, Doug_8, Pacc40_8, Inventum_8, Polka14_8, Scottish_8, Cabrinians_8, PMC_8, Violac_8, Leperchaun_8, Dante_8, Sandalphon_8, Minnie_8, Empress_8, MadMen_8, Sassafras_8, PhlipPhlop_8, Pippy_8, DaddyRickover_8, LilMoolah_8, Eradicator_8, RedBird_8, Phatniss_8, FreddyB_8, Koella_8, Gorge_8, Radiance_8, Jennelsea_8, Blexus_8, Saal_8, RitaG_8, NormanBulbieJr_8, BodEinwohner17_8, Gandalph_8, TDanisky_8, IbOuu_8, DRBy19_8, Deb65_8, Mahavrat_8, PHappiness_8, JoeyJr_8, Llij_8, Vivum_8, Clifton_8, Sparkdehlily_8, Geralt_8, Doomphist_8, Brocalys_8, BlueCrab_8, Daenerys_8, Rockne_8, Poenanya_8, Priscilla_8
• Track 66 : LunaBlu_8, NewHope4_8, Polo2Bam_9, SeaLumen_8, Galactic_8, Enzomatic_9
• Track 67 : Bobi_9, Stap_9, BuzzLyseyear_9, Seagreen_9, JalFarm20_9
• Track 68 : BobaPhett_8, Ochi17_8, Seabastian_8, Okabe_10, MulchSalad_8, James_8, AlpineSix_8, Modragons_8, Hlubikazi_8, Mattes_8, Nichirin_8, Fancypants_8, Strokeseat_8, LastJedi_8, Llama_8, Mandlovu_8, OfUltron_8, Jinglebell_8
• Track 69 : Eish_8, Latretium_8, Girr_8, Phasih_8, Whouxphf_8, MisterCuddles_8, Ruby_8
• Track 70 : Wachhund_8, Byougenkin_8, Spoonbill_8
• Track 71 : Ovechkin_8, StAnnes_8, Batiatus_8, Corium_8, Melissauren88_8, PopTart_8, Phalconet_8, Fruitloop_8, Royals2015_8, CaptainTrips_9, Medindi_8, Krakatau_9, XFactor_8, PhesterPhotato_8, MinionDave_9, Chuckly_8, Whatsapiecost_8, Tweety_8, KingJulian_8, PatoPoderoso_8, ShroomBoi_8, SassyB_8, Filuzino_8
• Track 72 : Veteran_8, Karhdo_8, GUmbie_8
• Track 73 : VRedHorse_8, Florinda_8, GigiOuiOui_8, Zerg_8, Donkeykong_8, Mantra_8, Nitzel_9, Bubbles123_8, Cheesepuff_8, OlympiaSaint_8, Crumble_8, Moonbeam_8
• Track 74 : Ibhubesi_8, Harley_8
• Track 75 : Mwanjiwa_8
• Track 76 : Job42_9
• Track 77 : Burwell21_8, ShowerHandel_8, Nivrat_8, Zizzle_8, Maravista_8, Philus_8, SwagPigglett_8, ShiLan_8, Jarcob_8, Martik_8, Lizziana_8
• Track 78 : Sabbb_8
• Track 79 : Mozy_9
• Track 80 : Fastidio_8
• Track 81 : Phanphagia_8, Shauna1_8
• Track 82 : Hades_8
• Track 83 : Juniper1_8
• Track 84 : Piper2020_9, Awesomesauce_9
• Track 85 : Grimmer_9
• Track 86 : Marker_9, Coco12_9
• Track 87 : Spartacus_8, Mutaforma13_8, WillSterrel_8, IrishSherpFalk_8
• Track 88 : EleanorGeorge_8
• Track 89 : Aubs_8
• Track 90 : Kersh_8
• Track 91 : Ogopogo_11
• Track 92 : Chevrolet_8, ArcusAngelus_8
• Track 93 : Che8_8
• Track 94 : Cornucopia_9
• Track 95 : Yorick_8
• Track 96 : RockyHorror_9

• Track 97 : DirtMcgirt_9
• Track 98 : Demsculpinboyz_10, Avani_10, SilverChicken_10, Soul22_10, Jabbawokkie_11, Che9d_10, Zapner_11, Blarby_11, Yoshi_10
• Track 99 : ThetaBob_9, Renaud18_9, TChen_9, LunaStella_9
• Track 100 : Toron_9
• Track 101 : Shoya_8
• Track 102 : Pigu_8
• Track 103 : BrayBeast_9, JeanClaude_9
• Track 104 : Alatato_8
• Track 105 : Sarge_9
• Track 106 : Kumotta_10
• Track 107 : Rooter_8
• Track 108 : MargaretKali_10
• Track 109 : Maja_9
• Track 110 : CocoCinnamon_12
• Track 111 : NoSwimming_11
• Track 112 : Hereford_11
• Track 113 : Aoka_10
• Track 114 : Scotia_11
• Track 115 : PrairieDogTown_10, Morrey_15, EvenBluerMoon_10
• Track 116 : JanetJ_10
• Track 117 : CallinAllBarbz_9
• Track 118 : Jankie_9, GrimEater_9
• Track 119 : Elfy_8
• Track 120 : LisoBros_9
• Track 121 : BaileyBlu_9
• Track 122 : AnnabelLee_11, Neuvillette_11, CardboardBox_11, ChamoyPickle_11, Roberts_11, Gerri43_11, ChipsNGuac_11
• Track 123 : Agamotto_13, LastNadiia_14
• Track 124 : Makima_12
• Track 125 : TripleC_14
• Track 126 : Studio_11
• Track 127 : Ezurina_10
• Track 128 : TMaxx_11
• Track 129 : Mireles_11
• Track 130 : Audell_14
• Track 131 : Stellammi_7
• Track 132 : Nebkiss_7, Gaia_7
• Track 133 : DS6A_13
• Track 134 : Ponzi_48
• Track 135 : LilSpotty_9

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

The start number called the most often in the published annotations is 51, it was called in 284 of the 415 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Akhila_9, Alexphander_9, Aloeri_9, AlpineSix_8, Angelique_10, Apricot_10, ArcusAngelus_8, Ardmore_8, Aubs_8, Avani_10, Awesomesauce_9, Batiatus_8,

Beakin_9, Beanstalk_9, BearBQ_10, BeeGee_10, BigPhil_9, Bipolar_8, Birdsong_10, Blarby_11, Blexus_8, BlueCrab_8, BobaPhett_8, Bobi_9, BodEinwohner17_8, Boomer_9, Bradissa_10, BritBrat_10, Brocalys_8, Brookers_9, Brushbloom_9, Bubbles123_8, Burwell21_8, BuzzLyseyear_9, ByChance_8, Byougenkin_8, Cabrinians_8, CaptainTrips_9, Cashline_10, Cerasum_9, Che8_8, Che9d_10, Cheesepuff_8, Chevrolet_8, ChickenDinner_9, Chuckly_8, Clank_8, Clifton_8, Coco12_9, Confidence_10, Corium_8, Cornucopia_9, Crater_10, Crumble_8, DLane_8, DRBy19_8, DaWorst_9, DaddyRickover_8, Daenerys_8, Dante_8, DeadP_8, Deb65_8, Demsculpinboyz_10, DillTech15_8, DirtMcgirt_9, DoRead_8, DocMcStuffins_9, Donkeykong_8, Doomphist_8, Doomslug_10, Dorothy_8, DosHalletts_9, DotProduct_8, Doug_8, Drago_9, EMsquaredA_10, Eish_8, EleanorGeorge_8, EmiMonkey_8, Emma_8, Emmaloid_9, Empress_8, EnalisNailo_10, Enby_9, Enzomatic_9, Eradicator_8, Estave1_8, Fancypants_8, Fastidio_8, Filuzino_8, Firehouse51_8, Flathead_9, Floral_10, Florinda_8, Frankie_9, FreddyB_8, Fruitloop_8, GUmbie_8, Gaia_7, Galactic_8, Gandalph_8, Geralt_8, GigiOuiOui_8, Girafales_9, Girr_8, Gorge_8, Grimmer_9, Guppsters_8, Hades_8, Hamulus_8, Harley_8, Hegedechwinu_9, Hlubikazi_8, IMpilo_8, IbOuu_8, Ibhubesi_8, Inventum_8, IrishSherpFalk_8, Jabbawokkie_11, Jablanski_10, JalFarm20_9, James_8, Jant_8, Jarcob_8, Jennelsea_8, Jinglebell_8, Job42_9, JoeyJr_8, Juice456_9, Juniper1_8, Karhdo_8, Kenuha5_8, Kersh_8, Kimberlium_9, KingJulian_8, KingMidas_8, Kingsley_9, Koella_8, Krakatau_9, KristaRAM_9, Kuwabara_10, LastJedi_8, Latretium_8, Leozinho_9, Leperchaun_8, LilMoolah_8, LilSpotty_9, Lilas_10, LittleShirley_9, Lizziana_8, Llama_8, Llij_8, LonelyBoi_10, LordVader_9, Lorde_9, Lucia_9, Lucky10_9, LunaBlu_8, LunaStella_9, MadMen_8, Madiba_9, Mahavrat_8, Mandlovu_8, Mantra_8, Maravista_8, Marker_9, Marteena_10, Martik_8, Mattes_8, Medindi_8, Melissauren88_8, MilanaBonita_9, MilleniumForce_9, MinionDave_9, Minnie_8, Misha28_9, MisterCuddles_8, Modragons_8, Moonbeam_8, Morkie_9, MortyNRick_10, Mova_9, Mozy_9, Ms6_8, MulchExplorer_9, MulchSalad_8, Mutaforma13_8, Mwanjiwa_8, Nebkiss_7, NewHope4_8, Nichirin_8, Nimbo_8, Nitzel_9, Nivrat_8, NormanBulbieJr_8, Ochi17_8, OfUltron_8, Ogopogo_11, Okabe_10, Oksu_9, OldBen_8, OlympiaSaint_8, Ovechkin_8, OwlsT2W_9, PHappiness_8, PMC_8, Pacc40_8, PatoPoderoso_8, Peridot_9, Phalconet_8, Phanphagia_8, Phasih_8, Phatniss_8, PhesterPhotato_8, Philus_8, PhlipPhlop_8, PhorbesPhlower_9, Piper2020_9, Pippy_8, Plumbus_9, Poenanya_8, Polka14_8, Pollux_10, Pollywog_9, Polo2Bam_9, PopTart_8, Posh_10, Priscilla_8, Pytheas_10, QuickMath_8, Quico_9, Radiance_8, Ramsey_9, RedBird_8, Renaud18_9, Rialto_9, RitaG_8, Rita_8, Rockne_8, RockyHorror_9, Royals2015_8, Ruby_8, SG4_8, Saal_8, Sabbb_8, Sandalphon_8, Sarma624_9, Sassafras_8, SassyB_8, Scottish_8, SeaLumen_8, Seabastian_8, Seagreen_9, Shauna1_8, ShiLan_8, ShowerHandel_8, ShroomBoi_8, SiSi_8, SilverChicken_10, SimranZ1_9, Slim_9, Soul22_10, Sparkdehlily_8, Spartacus_8, Spikelee_9, Spoonbill_8, Squirty_9, StAnnes_8, Stap_9, Starcevich_9, Stellammi_7, Strokeseat_8, SuperGrey_8, SwagPigglett_8, TChen_9, TDanisky_8, Taj_8, Tchotchke_9, ThetaBob_9, TootsiePop_9, Tootsieroll_9, Topiatin_10, Toron_9, Totinger_9, Tweety_8, UncleRicky_9, VRedHorse_8, Velveteen_9, Veteran_8, Violac_8, Vivum_8, Wachhund_8, Wee_8, Whatsapiecost_8, Whouxphf_8, WillSterrel_8, Wrigley_10, XFactor_8, Yorick_8, Yoshi_10, Zapner_11, Zerg_8, Zizzle_8,

Genes that have the "Most Annotated" start but do not call it:
• InLimbo_10,

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

• Agamotto_13, Agatha_10, AikoCarson_9, Alatato_8, Amok_9, AndPeggy_9, AnnabelLee_11, Aoka_10, Asapag_10, Audell_14, Axym_10, Azira_12, BENtherdunthat_10, BaileyBlu_9, Balloona_9, Bavilard_10, BigChungus_9, BillDoor_12, Biskit_11, Blondies_11, BotCity_10, BrayBeast_9, Bubble_10, Budski_10, Burnsey_10, Button_11, Buttrmlkdreams_10, CallinAllBarbz_9, CanesSauce_10, CaramelLatte_10, CardboardBox_11, Carsonalex_11, ChamoyPickle_11, CheeseTouch_10, CherryonLim_11, ChickenTender_12, ChipsNGuac_11, ChocoMunchkin_10, Cleo_10, CocoCinnamon_12, CocoaPuff_9, Cozz_10, DS6A_13, Dre3_10, Ecliptus_10, ElJefes_9, Elfy_8, Elinal_11, Eliott_10, Emalyn_9, EvenBluerMoon_10, Ezurina_10, FF47_12, Feastonyeet_9, Fribs8_11, Frickyeah_10, GTE2_08, Gerri43_11, Getalong_10, GiKK_13, Gibbous_10, GoldHunter_10, GrimEater_9, Hereford_11, Hexbug_12, HippoPololi_12, Holliday_10, Horseradish_11, Horus_10, JacoRen57_9, Jamzy_13, JanetJ_10, Jankie_9, JeanClaude_9, Kamaru_10, KayGee_10, Kenna_10, Kumotta_10, LastNadiia_14, Lauer_9, Leroy_10, LisoBros_9, LitninMcQueen_10, LongHai_13, Lutum_10, MAnor_10, MScarn_12, MaVan_12, Maco6_10, Maja_9, Makima_12, MalagasyRose_16, Malisha_10, Malvina_12, MargaretKali_10, Margaret_13, Mayweather_11, Mireles_11, Morrey_15, Muddy_12, MunkgeeRoachy_10, Nergal_14, Neuvillette_11, Nibbles_12, Nina_11, NoShow_10, NoSwimming_11, Nodigi_12, ODay_10, Orla_12, PFR1_07, PFR2_07, Periwinkle_10, Phabuloso_10, Phistory_10, Pigu_8, Pons_10, Ponzi_48, PotPie_10, PrairieDogTown_10, PsychoKiller_10, Quasar_10, RADical_11, RSchmailzl_11, RanchParmCat_13, RedBaron_12, Roberts_11, Rooter_8, SPB78_10, Salvus_13, Sarge_9, Scotia_11, ShawBrad_10, Shoya_8, SketchMex_9, Socotra_11, Sopespian_10, Spooky_10, Squiddly_11, Starburst_11, SteamedHams_12, Studio_11, SummitAcademy_9, Survivors_12, SweatNTears_12, TMaxx_11, Tarnish_10, Tolls_12, TripleC_14, Troje_10, Typhonomachy_10, VWB_9, Vine_11, Wallaby_14, Whitney_10, Wolfwood_12, Yakult_11, Yarn_9, Yucky_10, Yummy_11, Zareef_12,

Summary by start number:

Start 43:
• Found in 1 of 465 (0.2%) of genes in pham
• Manual Annotations of this start: 1 of 415
• Called 100.0% of time when present
• Phage (with cluster) where this start called: NoShow_10 (AB),

Start 44:
• Found in 2 of 465 (0.4%) of genes in pham
• Manual Annotations of this start: 2 of 415
• Called 100.0% of time when present
• Phage (with cluster) where this start called: MalagasyRose_16 (AG), Nergal_14 (AG),

Start 45:
• Found in 7 of 465 (1.5%) of genes in pham
• No Manual Annotations of this start.
• Called 14.3% of time when present
• Phage (with cluster) where this start called: Wallaby_14 (CT),

Start 46:
• Found in 6 of 465 (1.3%) of genes in pham
• Manual Annotations of this start: 3 of 415

• Called 100.0% of time when present
• Phage (with cluster) where this start called: FF47_12 (AB), JacoRen57_9 (AB), LongHai_13 (AB), Maco6_10 (AB), Muddy_12 (AB), Salvus_13 (AB),

Start 47:
• Found in 4 of 465 (0.9%) of genes in pham
• No Manual Annotations of this start.
• Called 25.0% of time when present
• Phage (with cluster) where this start called: InLimbo_10 (DH),

Start 49:
• Found in 25 of 465 (5.4%) of genes in pham
• Manual Annotations of this start: 21 of 415
• Called 96.0% of time when present
• Phage (with cluster) where this start called: Asapag_10 (DN1), BENtherdunthat_10 (DN1), BotCity_10 (DN), Budski_10 (DN), CheeseTouch_10 (DN1), Frickyeah_10 (DN1), Getalong_10 (DN1), Holliday_10 (DN1), Horus_10 (DN1), Kamaru_10 (DN1), Kenna_10 (DN1), Leroy_10 (DN1), LitninMcQueen_10 (DN1), Lutum_10 (DN1), Malisha_10 (DN), PFR1_07 (BX), PFR2_07 (BX), Periwinkle_10 (DN1), Phabuloso_10 (DN1), Phistory_10 (DN1), ShawBrad_10 (DN1), Spooky_10 (DN2), Squiddly_11 (DN2), Whitney_10 (DN1),

Start 50:
• Found in 21 of 465 (4.5%) of genes in pham
• Manual Annotations of this start: 19 of 415
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Alatato_8 (FB), Aoka_10 (FO), BrayBeast_9 (FB), CocoCinnamon_12 (FO), Ecliptus_10 (DN), EvenBluerMoon_10 (FO), Hereford_11 (FO), JanetJ_10 (FO), JeanClaude_9 (FB), Kumotta_10 (FB), Maja_9 (FO), MargaretKali_10 (FB), Morrey_15 (FO), NoSwimming_11 (FO), ODay_10 (DN), Pigu_8 (FB), PrairieDogTown_10 (FO), Rooter_8 (FB), Sarge_9 (FB), Scotia_11 (FO), Shoya_8 (FB),

Start 51:
• Found in 304 of 465 (65.4%) of genes in pham
• Manual Annotations of this start: 284 of 415
• Called 99.7% of time when present
• Phage (with cluster) where this start called: Akhila_9 (F1), Alexphander_9 (F1), Aloeri_9 (F1), AlpineSix_8 (F1), Angelique_10 (CY1), Apricot_10 (DN3), ArcusAngelus_8 (F1), Ardmore_8 (F1), Aubs_8 (F1), Avani_10 (F2), Awesomesauce_9 (F1), Batiatus_8 (F1), Beakin_9 (F1), Beanstalk_9 (F1), BearBQ_10 (DN), BeeGee_10 (CY5), BigPhil_9 (F1), Bipolar_8 (F1), Birdsong_10 (DN), Blarby_11 (F), Blexus_8 (F1), BlueCrab_8 (F1), BobaPhett_8 (F1), Bobi_9 (F1), BodEinwohner17_8 (F1), Boomer_9 (F1), Bradissa_10 (CY1), BritBrat_10 (CY2), Brocalys_8 (F1), Brookers_9 (F1), Brushbloom_9 (F1), Bubbles123_8 (F1), Burwell21_8 (F1), BuzzLyseyear_9 (F1), ByChance_8 (F1), Byougenkin_8 (F1), Cabrinians_8 (F1), CaptainTrips_9 (F1), Cashline_10 (CY6), Cerasum_9 (F1), Che8_8 (F1), Che9d_10 (F2), Cheesepuff_8 (F1), Chevrolet_8 (F1), ChickenDinner_9 (F1), Chuckly_8 (F1), Clank_8 (F), Clifton_8 (F1), Coco12_9 (F1), Confidence_10 (CY1), Corium_8 (F1), Cornucopia_9 (F1), Crater_10 (DN3), Crumble_8 (F1), DLane_8 (F1), DRBy19_8 (F1), DaWorst_9 (F1), DaddyRickover_8 (F1), Daenerys_8 (F1), Dante_8 (F1), DeadP_8 (F1), Deb65_8 (F1), Demsculpinboyz_10 (F2), DillTech15_8 (F1), DirtMcgirt_9 (F1), DoRead_8 (F1), DocMcStuffins_9 (F1),

Donkeykong_8 (F1), Doomphist_8 (F1), Doomslug_10 (F), Dorothy_8 (F1), DosHalletts_9 (F1), DotProduct_8 (F1), Doug_8 (F1), Drago_9 (F1), EMsquaredA_10 (CY1), Eish_8 (F1), EleanorGeorge_8 (F1), EmiMonkey_8 (F1), Emma_8 (F1), Emmaloid_9 (F1), Empress_8 (F1), EnalisNailo_10 (CY1), Enby_9 (F1), Enzomatic_9 (F1), Eradicator_8 (F1), Estave1_8 (F1), Fancypants_8 (F1), Fastidio_8 (F1), Filuzino_8 (F1), Firehouse51_8 (F1), Flathead_9 (F1), Floral_10 (CY1), Florinda_8 (F1), Frankie_9 (F1), FreddyB_8 (F1), Fruitloop_8 (F1), GUmbie_8 (F1), Gaia_7 (X), Galactic_8 (F1), Gandalph_8 (F1), Geralt_8 (F1), GigiOuiOui_8 (F1), Girafales_9 (F1), Girr_8 (F1), Gorge_8 (F1), Grimmer_9 (F1), Guppsters_8 (F1), Hades_8 (F1), Hamulus_8 (F1), Harley_8 (F1), Hegedechwinu_9 (F1), Hlubikazi_8 (F1), IMpilo_8 (F1), IbOuu_8 (F1), Ibhubesi_8 (F1), Inventum_8 (F1), IrishSherpFalk_8 (F1), Jabbawokkie_11 (F2), Jablanski_10 (CY3), JalFarm20_9 (F1), James_8 (F1), Jant_8 (F1), Jarcob_8 (F1), Jennelsea_8 (F1), Jinglebell_8 (F1), Job42_9 (F1), JoeyJr_8 (F1), Juice456_9 (F1), Juniper1_8 (F1), Karhdo_8 (F1), Kenuha5_8 (F1), Kersh_8 (F1), Kimberlium_9 (F1), KingJulian_8 (F1), KingMidas_8 (F1), Kingsley_9 (F1), Koella_8 (F1), Krakatau_9 (F1), KristaRAM_9 (F1), Kuwabara_10 (DN4), LastJedi_8 (F1), Latretium_8 (F1), Leozinho_9 (F1), Leperchaun_8 (F1), LilMoolah_8 (F1), LilSpotty_9 (singleton), Lilas_10 (CY1), LittleShirley_9 (F1), Lizziana_8 (F1), Llama_8 (F1), Llij_8 (F1), LonelyBoi_10 (CY7), LordVader_9 (F), Lorde_9 (F1), Lucia_9 (F1), Lucky10_9 (DH), LunaBlu_8 (F1), LunaStella_9 (F4), MadMen_8 (F1), Madiba_9 (F1), Mahavrat_8 (F1), Mandlovu_8 (F1), Mantra_8 (F1), Maravista_8 (F1), Marker_9 (F1), Marteena_10 (CY1), Martik_8 (F1), Mattes_8 (F1), Medindi_8 (F1), Melissauren88_8 (F1), MilanaBonita_9 (F1), MilleniumForce_9 (F1), MinionDave_9 (F1), Minnie_8 (F1), Misha28_9 (F1), MisterCuddles_8 (F1), Modragons_8 (F1), Moonbeam_8 (F1), Morkie_9 (DH), MortyNRick_10 (DN), Mova_9 (F1), Mozy_9 (F1), Ms6_8 (F1), MulchExplorer_9 (F1), MulchSalad_8 (F7), Mutaforma13_8 (F1), Mwanjiwa_8 (F1), Nebkiss_7 (X), NewHope4_8 (F1), Nichirin_8 (F1), Nimbo_8 (F1), Nitzel_9 (F1), Nivrat_8 (F1), NormanBulbieJr_8 (F1), Ochi17_8 (F1), OfUltron_8 (F1), Ogopogo_11 (F1), Okabe_10 (F8), Oksu_9 (F1), OldBen_8 (F1), OlympiaSaint_8 (F1), Ovechkin_8 (F1), OwlsT2W_9 (F1), PHappiness_8 (F1), PMC_8 (F1), Pacc40_8 (F1), PatoPoderoso_8 (F1), Peridot_9 (F1), Phalconet_8 (F1), Phanphagia_8 (F1), Phasih_8 (F1), Phatniss_8 (F1), PhesterPhotato_8 (F1), Philus_8 (F1), PhlipPhlop_8 (F1), PhorbesPhlower_9 (DH), Piper2020_9 (F1), Pippy_8 (F1), Plumbus_9 (F1), Poenanya_8 (F1), Polka14_8 (F1), Pollux_10 (CY1), Pollywog_9 (F1), Polo2Bam_9 (F1), PopTart_8 (F1), Posh_10 (CY4), Priscilla_8 (F1), Pytheas_10 (CY3), QuickMath_8 (F1), Quico_9 (F1), Radiance_8 (F1), Ramsey_9 (F1), RedBird_8 (F1), Renaud18_9 (F4), Rialto_9 (F1), RitaG_8 (F1), Rita_8 (F1), Rockne_8 (F1), RockyHorror_9 (F1), Royals2015_8 (F1), Ruby_8 (F1), SG4_8 (F1), Saal_8 (F1), Sabbb_8 (F1), Sandalphon_8 (F1), Sarma624_9 (F1), Sassafras_8 (F1), SassyB_8 (F1), Scottish_8 (F1), SeaLumen_8 (F1), Seabastian_8 (F1), Seagreen_9 (F1), Shauna1_8 (F1), ShiLan_8 (F1), ShowerHandel_8 (F1), ShroomBoi_8 (F1), SiSi_8 (F1), SilverChicken_10 (F2), SimranZ1_9 (F1), Slim_9 (F1), Soul22_10 (F2), Sparkdehlily_8 (F1), Spartacus_8 (F1), Spikelee_9 (F1), Spoonbill_8 (F1), Squirty_9 (F3), StAnnes_8 (F1), Stap_9 (F1), Starcevich_9 (F1), Stellammi_7 (UNK), Strokeseat_8 (F1), SuperGrey_8 (F1), SwagPigglett_8 (F1), TChen_9 (F4), TDanisky_8 (F1), Taj_8 (F1), Tchotchke_9 (F1), ThetaBob_9 (F4), TootsiePop_9 (F1), Tootsieroll_9 (F1), Topiatin_10 (F1), Toron_9 (F6), Totinger_9 (F1), Tweety_8 (F1), UncleRicky_9 (F1), VRedHorse_8 (F1), Velveteen_9 (F1), Veteran_8 (F1), Violac_8 (F1), Vivum_8 (F1), Wachhund_8 (F1), Wee_8 (F1), Whatsapiecost_8 (F1), Whouxphf_8 (F1), WillSterrel_8 (F1), Wrigley_10 (CY4), XFactor_8 (F1), Yorick_8 (F1), Yoshi_10 (F2), Zapner_11 (F2), Zerg_8 (F1), Zizzle_8 (F1),

Start 52:

• Found in 4 of 465 (0.9%) of genes in pham
• Manual Annotations of this start: 4 of 415
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BaileyBlu_9 (FP), CallinAllBarbz_9 (FP), GrimEater_9 (FP), Jankie_9 (FP),

Start 53:
• Found in 11 of 465 (2.4%) of genes in pham
• Manual Annotations of this start: 6 of 415
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AnnabelLee_11 (FR), CardboardBox_11 (FR), ChamoyPickle_11 (FR), ChipsNGuac_11 (FR), Elfy_8 (FP), Ezurina_10 (FR), Gerri43_11 (FR), LisoBros_9 (FP), Neuvillette_11 (FR), Roberts_11 (FR), Studio_11 (FR),

Start 54:
• Found in 81 of 465 (17.4%) of genes in pham
• Manual Annotations of this start: 66 of 415
• Called 97.5% of time when present
• Phage (with cluster) where this start called: Agatha_10 (CT), AikoCarson_9 (CT), Amok_9 (CT), AndPeggy_9 (CT), Axym_10 (CT), Azira_12 (CT), Balloona_9 (CT), Bavilard_10 (CT), BigChungus_9 (CT), BillDoor_12 (CT), Biskit_11 (CT), Blondies_11 (CT), Bubble_10 (CT), Burnsey_10 (CT), Button_11 (CT), Buttrmlkdreams_10 (CT), CanesSauce_10 (CT), CaramelLatte_10 (CT), CherryonLim_11 (CT), ChickenTender_12 (CT), ChocoMunchkin_10 (CT), Cleo_10 (CT), CocoaPuff_9 (CT), Cozz_10 (CT), Dre3_10 (CT), ElJefes_9 (CT), Elinal_11 (CT), Eliott_10 (CT), Emalyn_9 (CT), Feastonyeet_9 (CT), Fribs8_11 (CT), GTE2_08 (CT), GiKK_13 (CT), Gibbous_10 (CT), GoldHunter_10 (CT), Hexbug_12 (CT), HippoPololi_12 (CT), Horseradish_11 (CT), Jamzy_13 (CT), KayGee_10 (CT), Lauer_9 (CT), MAnor_10 (CT), MScarn_12 (CT), MaVan_12 (CT), Malvina_12 (CT), Margaret_13 (CT), Mayweather_11 (CT), MunkgeeRoachy_10 (CT), Nibbles_12 (CT), Nina_11 (CT), Nodigi_12 (CT), Orla_12 (CT), Pons_10 (CT), PotPie_10 (CT), PsychoKiller_10 (CT), Quasar_10 (CT), RADical_11 (CT), RSchmailzl_11 (CT), RanchParmCat_13 (CT), RedBaron_12 (CT), SketchMex_9 (CT), Socotra_11 (CT), Sopespian_10 (CT), Starburst_11 (CT), SteamedHams_12 (CT), SummitAcademy_9 (CT), Survivors_12 (CT), SweatNTears_12 (CT), Tarnish_10 (CT), Tolls_12 (CT), Troje_10 (CT), Typhonomachy_10 (CT), Vine_11 (CT), Wolfwood_12 (CT), Yakult_11 (CT), Yarn_9 (CT), Yucky_10 (CT), Yummy_11 (CT), Zareef_12 (CT),

Start 55:
• Found in 27 of 465 (5.8%) of genes in pham
• Manual Annotations of this start: 8 of 415
• Called 29.6% of time when present
• Phage (with cluster) where this start called: Agamotto_13 (FR), Audell_14 (FR), DS6A_13 (singleton), LastNadiia_14 (FR), Makima_12 (FR), Mireles_11 (FR), TMaxx_11 (FR), TripleC_14 (FR),

Start 58:
• Found in 20 of 465 (4.3%) of genes in pham
• No Manual Annotations of this start.
• Called 5.0% of time when present
• Phage (with cluster) where this start called: Carsonalex_11 (CT),

Start 70:
• Found in 1 of 465 (0.2%) of genes in pham
• Manual Annotations of this start: 1 of 415
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Ponzi_48 (singleton),

Start 107:
• Found in 11 of 465 (2.4%) of genes in pham
• No Manual Annotations of this start.
• Called 9.1% of time when present
• Phage (with cluster) where this start called: VWB_9 (BA),

Start 114:
• Found in 3 of 465 (0.6%) of genes in pham
• No Manual Annotations of this start.
• Called 33.3% of time when present
• Phage (with cluster) where this start called: SPB78_10 (BA),

Summary by clusters:

There are 33 clusters represented in this pham: DN, FP, FR, BA, DH, singleton, FB, BX, FO, CY5, CY4, DN4, DN1, DN3, DN2, CY3, CY2, CY1, AB, CY7, CY6, AG, F, X, UNK, CT, F1, F2, F3, F4, F6, F7, F8,

Info for manual annotations of cluster AB:
•Start number 43 was manually annotated 1 time for cluster AB.
•Start number 46 was manually annotated 3 times for cluster AB.

Info for manual annotations of cluster AG:
•Start number 44 was manually annotated 2 times for cluster AG.

Info for manual annotations of cluster CT:
•Start number 54 was manually annotated 66 times for cluster CT.

Info for manual annotations of cluster CY1:
•Start number 51 was manually annotated 9 times for cluster CY1.

Info for manual annotations of cluster CY2:
•Start number 51 was manually annotated 1 time for cluster CY2.

Info for manual annotations of cluster CY3:
•Start number 51 was manually annotated 2 times for cluster CY3.

Info for manual annotations of cluster CY4:
•Start number 51 was manually annotated 2 times for cluster CY4.

Info for manual annotations of cluster CY5:
•Start number 51 was manually annotated 1 time for cluster CY5.

Info for manual annotations of cluster CY6:
•Start number 51 was manually annotated 1 time for cluster CY6.

Info for manual annotations of cluster CY7:
•Start number 51 was manually annotated 1 time for cluster CY7.

Info for manual annotations of cluster DH:
•Start number 51 was manually annotated 3 times for cluster DH.

Info for manual annotations of cluster DN:
•Start number 49 was manually annotated 3 times for cluster DN.
•Start number 50 was manually annotated 2 times for cluster DN.
•Start number 51 was manually annotated 3 times for cluster DN.

Info for manual annotations of cluster DN1:
•Start number 49 was manually annotated 16 times for cluster DN1.

Info for manual annotations of cluster DN2:
•Start number 49 was manually annotated 2 times for cluster DN2.

Info for manual annotations of cluster DN3:
•Start number 51 was manually annotated 2 times for cluster DN3.

Info for manual annotations of cluster DN4:
•Start number 51 was manually annotated 1 time for cluster DN4.

Info for manual annotations of cluster F:
•Start number 51 was manually annotated 1 time for cluster F.

Info for manual annotations of cluster F1:
•Start number 51 was manually annotated 240 times for cluster F1.

Info for manual annotations of cluster F2:
•Start number 51 was manually annotated 7 times for cluster F2.

Info for manual annotations of cluster F3:
•Start number 51 was manually annotated 1 time for cluster F3.

Info for manual annotations of cluster F4:
•Start number 51 was manually annotated 4 times for cluster F4.

Info for manual annotations of cluster F7:
•Start number 51 was manually annotated 1 time for cluster F7.

Info for manual annotations of cluster FB:
•Start number 50 was manually annotated 8 times for cluster FB.

Info for manual annotations of cluster FO:
•Start number 50 was manually annotated 9 times for cluster FO.

Info for manual annotations of cluster FP:
•Start number 52 was manually annotated 4 times for cluster FP.
•Start number 53 was manually annotated 2 times for cluster FP.

Info for manual annotations of cluster FR:
•Start number 53 was manually annotated 4 times for cluster FR.
•Start number 55 was manually annotated 7 times for cluster FR.

Info for manual annotations of cluster UNK:
•Start number 51 was manually annotated 1 time for cluster UNK.

Info for manual annotations of cluster X:
•Start number 51 was manually annotated 2 times for cluster X.

Gene Information:

Gene: Agamotto_13 Start: 10199, Stop: 10531, Start Num: 55
Candidate Starts for Agamotto_13:
(Start: 55 @10199 has 8 MA's),

Gene: Agatha_10 Start: 6923, Stop: 7264, Start Num: 54
Candidate Starts for Agatha_10:
(Start: 54 @6923 has 66 MA's), (58, 6932), (73, 6992), (111, 7085), (148, 7187),

Gene: AikoCarson_9 Start: 6653, Stop: 6994, Start Num: 54
Candidate Starts for AikoCarson_9:
(Start: 54 @6653 has 66 MA's), (113, 6818), (148, 6917), (161, 6974),

Gene: Akhila_9 Start: 7094, Stop: 7426, Start Num: 51
Candidate Starts for Akhila_9:
(Start: 51 @7094 has 284 MA's), (62, 7118), (66, 7136), (76, 7175), (81, 7196), (88, 7211), (95, 7229), (104, 7247), (115, 7271), (120, 7283), (123, 7289), (129, 7301), (131, 7307), (141, 7337), (153, 7370),

Gene: Alatato_8 Start: 6552, Stop: 6920, Start Num: 50
Candidate Starts for Alatato_8:
(Start: 50 @6552 has 19 MA's), (Start: 55 @6561 has 8 MA's), (77, 6651), (79, 6657), (107, 6735), (130, 6780), (155, 6876), (164, 6909),

Gene: Alexphander_9 Start: 6296, Stop: 6625, Start Num: 51
Candidate Starts for Alexphander_9:
(Start: 51 @6296 has 284 MA's), (62, 6320), (71, 6359), (79, 6392), (87, 6404), (91, 6425), (95, 6431), (98, 6434), (105, 6452), (120, 6485), (129, 6503), (131, 6509), (141, 6539), (146, 6548), (153, 6572), (157, 6599), (158, 6602), (164, 6620),

Gene: Aloeri_9 Start: 6299, Stop: 6628, Start Num: 51
Candidate Starts for Aloeri_9:
(Start: 51 @6299 has 284 MA's), (62, 6323), (71, 6362), (79, 6395), (87, 6407), (91, 6428), (95, 6434), (98, 6437), (105, 6455), (115, 6476), (120, 6488), (129, 6506), (131, 6512), (134, 6524), (141, 6542), (146, 6551), (153, 6575), (157, 6602), (158, 6605), (164, 6623),

Gene: AlpineSix_8 Start: 6442, Stop: 6771, Start Num: 51
Candidate Starts for AlpineSix_8:
(8, 6172), (24, 6349), (Start: 51 @6442 has 284 MA's), (62, 6466), (71, 6505), (79, 6538), (87, 6550), (91, 6571), (95, 6577), (98, 6580), (105, 6598), (120, 6631), (129, 6649), (131, 6655), (141, 6685),

(146, 6694), (153, 6718), (157, 6745), (158, 6748), (164, 6766),

Gene: Amok_9 Start: 6653, Stop: 6994, Start Num: 54
Candidate Starts for Amok_9:
(Start: 54 @6653 has 66 MA's), (113, 6818), (148, 6917), (161, 6974),

Gene: AndPeggy_9 Start: 6941, Stop: 7282, Start Num: 54
Candidate Starts for AndPeggy_9:
(Start: 54 @6941 has 66 MA's), (113, 7106), (159, 7256), (161, 7262),

Gene: Angelique_10 Start: 7476, Stop: 7823, Start Num: 51
Candidate Starts for Angelique_10:
(28, 7398), (Start: 51 @7476 has 284 MA's), (79, 7572), (85, 7584), (119, 7668), (142, 7731), (161, 7803),

Gene: AnnabelLee_11 Start: 7129, Stop: 7464, Start Num: 53
Candidate Starts for AnnabelLee_11:
(Start: 53 @7129 has 6 MA's), (63, 7159), (146, 7381),

Gene: Aoka_10 Start: 8106, Stop: 8438, Start Num: 50
Candidate Starts for Aoka_10:
(Start: 50 @8106 has 19 MA's), (Start: 55 @8115 has 8 MA's),

Gene: Apricot_10 Start: 6791, Stop: 7132, Start Num: 51
Candidate Starts for Apricot_10:
(29, 6716), (41, 6758), (Start: 51 @6791 has 284 MA's), (62, 6812), (69, 6842), (111, 6956), (113, 6959), (116, 6965), (120, 6977), (145, 7043), (161, 7112), (163, 7118), (164, 7121),

Gene: ArcusAngelus_8 Start: 6436, Stop: 6768, Start Num: 51
Candidate Starts for ArcusAngelus_8:
(Start: 51 @6436 has 284 MA's), (62, 6460), (66, 6478), (81, 6538), (88, 6553), (104, 6589), (115, 6613), (120, 6625), (123, 6631), (129, 6643), (131, 6649), (141, 6679), (153, 6712),

Gene: Ardmore_8 Start: 6446, Stop: 6778, Start Num: 51
Candidate Starts for Ardmore_8:
(Start: 51 @6446 has 284 MA's), (62, 6470), (66, 6488), (76, 6527), (81, 6548), (88, 6563), (95, 6581), (104, 6599), (115, 6623), (120, 6635), (123, 6641), (129, 6653), (131, 6659), (141, 6689), (153, 6722),

Gene: Asapag_10 Start: 6480, Stop: 6827, Start Num: 49
Candidate Starts for Asapag_10:
(39, 6444), (Start: 49 @6480 has 21 MA's), (64, 6519), (73, 6561), (102, 6633), (111, 6654), (113, 6657), (126, 6690), (137, 6717), (143, 6735), (155, 6786), (159, 6801), (161, 6807), (164, 6816),

Gene: Aubs_8 Start: 6446, Stop: 6778, Start Num: 51
Candidate Starts for Aubs_8:
(Start: 51 @6446 has 284 MA's), (62, 6470), (66, 6488), (76, 6527), (81, 6548), (88, 6563), (95, 6581), (104, 6599), (115, 6623), (120, 6635), (123, 6641), (129, 6653), (131, 6659), (141, 6689), (153, 6722), (164, 6770),

Gene: Audell_14 Start: 10469, Stop: 10801, Start Num: 55
Candidate Starts for Audell_14:
(Start: 55 @10469 has 8 MA's), (132, 10673),

Gene: Avani_10 Start: 6438, Stop: 6791, Start Num: 51
Candidate Starts for Avani_10:
(36, 6387), (38, 6393), (Start: 51 @6438 has 284 MA's), (63, 6468), (75, 6519), (113, 6624), (120, 6642), (133, 6675), (159, 6765),

Gene: Awesomesauce_9 Start: 6299, Stop: 6628, Start Num: 51
Candidate Starts for Awesomesauce_9:
(Start: 51 @6299 has 284 MA's), (62, 6323), (71, 6362), (79, 6395), (91, 6428), (95, 6434), (98, 6437), (105, 6455), (120, 6488), (129, 6506), (131, 6512), (134, 6524), (141, 6542), (146, 6551), (153, 6575), (155, 6593), (157, 6602), (158, 6605), (164, 6623),

Gene: Axym_10 Start: 6923, Stop: 7264, Start Num: 54
Candidate Starts for Axym_10:
(Start: 54 @6923 has 66 MA's), (58, 6932), (73, 6992), (111, 7085), (148, 7187),

Gene: Azira_12 Start: 7820, Stop: 8170, Start Num: 54
Candidate Starts for Azira_12:
(32, 7760), (45, 7796), (Start: 54 @7820 has 66 MA's), (62, 7838), (68, 7862), (73, 7889), (111, 7985), (118, 8000), (129, 8030), (145, 8084), (158, 8141),

Gene: BENtherdunthat_10 Start: 6480, Stop: 6827, Start Num: 49
Candidate Starts for BENtherdunthat_10:
(39, 6444), (Start: 49 @6480 has 21 MA's), (64, 6519), (73, 6561), (102, 6633), (111, 6654), (113, 6657), (126, 6690), (137, 6717), (143, 6735), (155, 6786), (159, 6801), (161, 6807), (164, 6816),

Gene: BaileyBlu_9 Start: 6175, Stop: 6513, Start Num: 52
Candidate Starts for BaileyBlu_9:
(42, 6163), (Start: 52 @6175 has 4 MA's), (80, 6277), (102, 6322), (113, 6340), (116, 6346), (129, 6376),

Gene: Balloona_9 Start: 6695, Stop: 7036, Start Num: 54
Candidate Starts for Balloona_9:
(Start: 54 @6695 has 66 MA's), (66, 6731), (67, 6734), (108, 6854), (117, 6869), (161, 7016),

Gene: Batiatus_8 Start: 6446, Stop: 6778, Start Num: 51
Candidate Starts for Batiatus_8:
(Start: 51 @6446 has 284 MA's), (62, 6470), (66, 6488), (76, 6527), (81, 6548), (88, 6563), (95, 6581), (104, 6599), (115, 6623), (123, 6641), (129, 6653), (131, 6659), (141, 6689), (153, 6722),

Gene: Bavilard_10 Start: 7475, Stop: 7816, Start Num: 54
Candidate Starts for Bavilard_10:
(Start: 54 @7475 has 66 MA's), (66, 7511), (108, 7634), (161, 7796),

Gene: Beakin_9 Start: 6299, Stop: 6628, Start Num: 51
Candidate Starts for Beakin_9:
(Start: 51 @6299 has 284 MA's), (62, 6323), (71, 6362), (79, 6395), (87, 6407), (91, 6428), (95, 6434), (98, 6437), (105, 6455), (120, 6488), (129, 6506), (131, 6512), (134, 6524), (141, 6542), (146, 6551), (153, 6575), (157, 6602), (158, 6605), (164, 6623),

Gene: Beanstalk_9 Start: 6295, Stop: 6624, Start Num: 51
Candidate Starts for Beanstalk_9:
(Start: 51 @6295 has 284 MA's), (62, 6319), (71, 6358), (79, 6391), (87, 6403), (91, 6424), (95, 6430), (98, 6433), (105, 6451), (120, 6484), (129, 6502), (131, 6508), (134, 6520), (141, 6538), (146, 6547),

(153, 6571), (157, 6598), (158, 6601), (164, 6619),

Gene: BearBQ_10 Start: 6791, Stop: 7132, Start Num: 51
Candidate Starts for BearBQ_10:
(29, 6716), (41, 6758), (Start: 51 @6791 has 284 MA's), (62, 6812), (69, 6842), (111, 6956), (113, 6959), (116, 6965), (120, 6977), (145, 7043), (161, 7112), (163, 7118), (164, 7121),

Gene: BeeGee_10 Start: 7478, Stop: 7825, Start Num: 51
Candidate Starts for BeeGee_10:
(28, 7400), (Start: 51 @7478 has 284 MA's), (85, 7586), (142, 7733), (161, 7805),

Gene: BigChungus_9 Start: 6720, Stop: 7061, Start Num: 54
Candidate Starts for BigChungus_9:
(Start: 54 @6720 has 66 MA's), (66, 6756), (67, 6759), (108, 6879), (117, 6894), (161, 7041),

Gene: BigPhil_9 Start: 6295, Stop: 6624, Start Num: 51
Candidate Starts for BigPhil_9:
(Start: 51 @6295 has 284 MA's), (62, 6319), (79, 6391), (87, 6403), (91, 6424), (95, 6430), (98, 6433), (105, 6451), (120, 6484), (129, 6502), (131, 6508), (134, 6520), (141, 6538), (146, 6547), (153, 6571), (157, 6598), (158, 6601), (164, 6619),

Gene: BillDoor_12 Start: 6906, Stop: 7247, Start Num: 54
Candidate Starts for BillDoor_12:
(Start: 54 @6906 has 66 MA's), (113, 7071), (159, 7221), (161, 7227),

Gene: Bipolar_8 Start: 6446, Stop: 6778, Start Num: 51
Candidate Starts for Bipolar_8:
(Start: 51 @6446 has 284 MA's), (62, 6470), (66, 6488), (76, 6527), (81, 6548), (88, 6563), (95, 6581), (104, 6599), (115, 6623), (120, 6635), (123, 6641), (129, 6653), (131, 6659), (141, 6689), (153, 6722),

Gene: Birdsong_10 Start: 6791, Stop: 7132, Start Num: 51
Candidate Starts for Birdsong_10:
(29, 6716), (41, 6758), (Start: 51 @6791 has 284 MA's), (62, 6812), (69, 6842), (111, 6956), (113, 6959), (116, 6965), (120, 6977), (145, 7043), (161, 7112), (163, 7118), (164, 7121),

Gene: Biskit_11 Start: 6907, Stop: 7248, Start Num: 54
Candidate Starts for Biskit_11:
(Start: 54 @6907 has 66 MA's), (89, 7030), (148, 7171), (159, 7222), (161, 7228),

Gene: Blarby_11 Start: 6962, Stop: 7315, Start Num: 51
Candidate Starts for Blarby_11:
(36, 6911), (38, 6917), (Start: 51 @6962 has 284 MA's), (63, 6992), (75, 7043), (113, 7148), (120, 7166), (133, 7199), (159, 7289),

Gene: Blexus_8 Start: 6459, Stop: 6788, Start Num: 51
Candidate Starts for Blexus_8:
(8, 6189), (24, 6366), (Start: 51 @6459 has 284 MA's), (62, 6483), (71, 6522), (79, 6555), (87, 6567), (91, 6588), (95, 6594), (98, 6597), (105, 6615), (120, 6648), (129, 6666), (131, 6672), (134, 6684), (141, 6702), (146, 6711), (153, 6735), (157, 6762), (158, 6765), (164, 6783),

Gene: Blondies_11 Start: 6902, Stop: 7243, Start Num: 54
Candidate Starts for Blondies_11:
(Start: 54 @6902 has 66 MA's), (89, 7025), (148, 7166), (159, 7217), (161, 7223),

Gene: BlueCrab_8 Start: 6443, Stop: 6772, Start Num: 51
Candidate Starts for BlueCrab_8:
(8, 6173), (24, 6350), (Start: 51 @6443 has 284 MA's), (62, 6467), (71, 6506), (79, 6539), (87, 6551), (91, 6572), (95, 6578), (98, 6581), (105, 6599), (120, 6632), (129, 6650), (131, 6656), (134, 6668), (141, 6686), (146, 6695), (153, 6719), (157, 6746), (158, 6749), (164, 6767),

Gene: BobaPhett_8 Start: 6435, Stop: 6764, Start Num: 51
Candidate Starts for BobaPhett_8:
(8, 6165), (24, 6342), (Start: 51 @6435 has 284 MA's), (62, 6459), (71, 6498), (79, 6531), (87, 6543), (91, 6564), (95, 6570), (98, 6573), (105, 6591), (120, 6624), (129, 6642), (131, 6648), (141, 6678), (146, 6687), (153, 6711), (157, 6738), (158, 6741), (164, 6759),

Gene: Bobi_9 Start: 6296, Stop: 6625, Start Num: 51
Candidate Starts for Bobi_9:
(Start: 51 @6296 has 284 MA's), (62, 6320), (71, 6359), (79, 6392), (87, 6404), (91, 6425), (95, 6431), (98, 6434), (105, 6452), (115, 6473), (120, 6485), (129, 6503), (131, 6509), (141, 6539), (146, 6548), (153, 6572), (157, 6599), (158, 6602), (164, 6620),

Gene: BodEinwohner17_8 Start: 6443, Stop: 6772, Start Num: 51
Candidate Starts for BodEinwohner17_8:
(8, 6173), (24, 6350), (Start: 51 @6443 has 284 MA's), (62, 6467), (71, 6506), (79, 6539), (87, 6551), (91, 6572), (95, 6578), (98, 6581), (105, 6599), (120, 6632), (129, 6650), (131, 6656), (134, 6668), (141, 6686), (146, 6695), (153, 6719), (157, 6746), (158, 6749), (164, 6767),

Gene: Boomer_9 Start: 6296, Stop: 6625, Start Num: 51
Candidate Starts for Boomer_9:
(Start: 51 @6296 has 284 MA's), (62, 6320), (71, 6359), (79, 6392), (87, 6404), (91, 6425), (95, 6431), (98, 6434), (105, 6452), (120, 6485), (129, 6503), (131, 6509), (134, 6521), (141, 6539), (146, 6548), (153, 6572), (157, 6599), (158, 6602), (164, 6620),

Gene: BotCity_10 Start: 6478, Stop: 6825, Start Num: 49
Candidate Starts for BotCity_10:
(39, 6442), (Start: 49 @6478 has 21 MA's), (64, 6517), (73, 6559), (102, 6631), (111, 6652), (113, 6655), (126, 6688), (137, 6715), (143, 6733), (155, 6784), (159, 6799), (161, 6805), (164, 6814),

Gene: Bradissa_10 Start: 7482, Stop: 7829, Start Num: 51
Candidate Starts for Bradissa_10:
(Start: 51 @7482 has 284 MA's), (85, 7590), (142, 7737), (161, 7809),

Gene: BrayBeast_9 Start: 7001, Stop: 7333, Start Num: 50
Candidate Starts for BrayBeast_9:
(Start: 50 @7001 has 19 MA's), (Start: 55 @7010 has 8 MA's), (73, 7079), (129, 7223), (146, 7250), (164, 7322),

Gene: BritBrat_10 Start: 7484, Stop: 7831, Start Num: 51
Candidate Starts for BritBrat_10:
(Start: 51 @7484 has 284 MA's), (85, 7592), (142, 7739), (161, 7811),

Gene: Brocalys_8 Start: 6432, Stop: 6761, Start Num: 51
Candidate Starts for Brocalys_8:
(8, 6162), (24, 6339), (Start: 51 @6432 has 284 MA's), (62, 6456), (71, 6495), (79, 6528), (87, 6540), (91, 6561), (95, 6567), (98, 6570), (105, 6588), (120, 6621), (129, 6639), (131, 6645), (134, 6657),

(141, 6675), (146, 6684), (153, 6708), (157, 6735), (158, 6738), (164, 6756),

Gene: Brookers_9 Start: 6295, Stop: 6624, Start Num: 51
Candidate Starts for Brookers_9:
(Start: 51 @6295 has 284 MA's), (62, 6319), (79, 6391), (87, 6403), (91, 6424), (95, 6430), (98, 6433), (105, 6451), (120, 6484), (129, 6502), (131, 6508), (134, 6520), (141, 6538), (146, 6547), (153, 6571), (157, 6598), (158, 6601), (164, 6619),

Gene: Brushbloom_9 Start: 6295, Stop: 6624, Start Num: 51
Candidate Starts for Brushbloom_9:
(Start: 51 @6295 has 284 MA's), (62, 6319), (71, 6358), (79, 6391), (87, 6403), (91, 6424), (95, 6430), (98, 6433), (105, 6451), (120, 6484), (129, 6502), (131, 6508), (134, 6520), (141, 6538), (146, 6547), (153, 6571), (157, 6598), (158, 6601), (164, 6619),

Gene: Bubble_10 Start: 6923, Stop: 7264, Start Num: 54
Candidate Starts for Bubble_10:
(Start: 54 @6923 has 66 MA's), (58, 6932), (73, 6992), (111, 7085), (148, 7187),

Gene: Bubbles123_8 Start: 6462, Stop: 6791, Start Num: 51
Candidate Starts for Bubbles123_8:
(8, 6192), (24, 6369), (Start: 51 @6462 has 284 MA's), (62, 6486), (71, 6525), (79, 6558), (91, 6591), (95, 6597), (98, 6600), (105, 6618), (120, 6651), (129, 6669), (131, 6675), (134, 6687), (141, 6705), (146, 6714), (153, 6738), (157, 6765), (158, 6768), (164, 6786),

Gene: Budski_10 Start: 6485, Stop: 6832, Start Num: 49
Candidate Starts for Budski_10:
(39, 6449), (Start: 49 @6485 has 21 MA's), (64, 6524), (111, 6659), (113, 6662), (126, 6695), (143, 6740), (155, 6791), (159, 6806), (164, 6821),

Gene: Burnsey_10 Start: 6924, Stop: 7265, Start Num: 54
Candidate Starts for Burnsey_10:
(Start: 54 @6924 has 66 MA's), (58, 6933), (73, 6993), (111, 7086), (148, 7188),

Gene: Burwell21_8 Start: 6443, Stop: 6772, Start Num: 51
Candidate Starts for Burwell21_8:
(8, 6173), (24, 6350), (Start: 51 @6443 has 284 MA's), (62, 6467), (71, 6506), (79, 6539), (87, 6551), (91, 6572), (95, 6578), (98, 6581), (105, 6599), (120, 6632), (129, 6650), (131, 6656), (134, 6668), (141, 6686), (146, 6695), (153, 6719), (155, 6737), (157, 6746), (158, 6749), (164, 6767),

Gene: Button_11 Start: 6943, Stop: 7281, Start Num: 54
Candidate Starts for Button_11:
(25, 6853), (26, 6856), (28, 6862), (Start: 54 @6943 has 66 MA's), (119, 7123), (124, 7138), (134, 7162), (137, 7168), (161, 7261),

Gene: Buttrmlkdreams_10 Start: 6901, Stop: 7242, Start Num: 54
Candidate Starts for Buttrmlkdreams_10:
(Start: 54 @6901 has 66 MA's), (89, 7024), (148, 7165), (159, 7216), (161, 7222),

Gene: BuzzLyseyear_9 Start: 6295, Stop: 6624, Start Num: 51
Candidate Starts for BuzzLyseyear_9:
(Start: 51 @6295 has 284 MA's), (62, 6319), (71, 6358), (79, 6391), (87, 6403), (91, 6424), (95, 6430), (98, 6433), (105, 6451), (115, 6472), (120, 6484), (129, 6502), (131, 6508), (141, 6538), (146, 6547), (153, 6571), (157, 6598), (158, 6601), (164, 6619),

Gene: ByChance_8 Start: 6445, Stop: 6774, Start Num: 51
Candidate Starts for ByChance_8:
(8, 6175), (24, 6352), (Start: 51 @6445 has 284 MA's), (62, 6469), (71, 6508), (79, 6541), (87, 6553), (91, 6574), (95, 6580), (98, 6583), (105, 6601), (120, 6634), (129, 6652), (131, 6658), (134, 6670), (141, 6688), (146, 6697), (153, 6721), (157, 6748), (158, 6751), (164, 6769),

Gene: Byougenkin_8 Start: 6433, Stop: 6762, Start Num: 51
Candidate Starts for Byougenkin_8:
(Start: 51 @6433 has 284 MA's), (62, 6457), (71, 6496), (79, 6529), (87, 6541), (91, 6562), (95, 6568), (98, 6571), (105, 6589), (120, 6622), (129, 6640), (131, 6646), (134, 6658), (141, 6676), (146, 6685), (153, 6709), (157, 6736), (158, 6739), (164, 6757),

Gene: Cabrinians_8 Start: 6435, Stop: 6764, Start Num: 51
Candidate Starts for Cabrinians_8:
(8, 6165), (24, 6342), (Start: 51 @6435 has 284 MA's), (62, 6459), (71, 6498), (79, 6531), (87, 6543), (91, 6564), (95, 6570), (98, 6573), (105, 6591), (120, 6624), (129, 6642), (131, 6648), (134, 6660), (141, 6678), (146, 6687), (153, 6711), (157, 6738), (158, 6741), (164, 6759),

Gene: CallinAllBarbz_9 Start: 6185, Stop: 6523, Start Num: 52
Candidate Starts for CallinAllBarbz_9:
(42, 6173), (Start: 52 @6185 has 4 MA's), (78, 6281), (80, 6287), (102, 6332), (113, 6350), (116, 6356), (129, 6386),

Gene: CanesSauce_10 Start: 6942, Stop: 7283, Start Num: 54
Candidate Starts for CanesSauce_10:
(Start: 54 @6942 has 66 MA's), (113, 7107), (159, 7257), (161, 7263),

Gene: CaptainTrips_9 Start: 7094, Stop: 7426, Start Num: 51
Candidate Starts for CaptainTrips_9:
(Start: 51 @7094 has 284 MA's), (62, 7118), (66, 7136), (76, 7175), (81, 7196), (88, 7211), (95, 7229), (104, 7247), (115, 7271), (123, 7289), (129, 7301), (131, 7307), (141, 7337), (153, 7370),

Gene: CaramelLatte_10 Start: 6942, Stop: 7283, Start Num: 54
Candidate Starts for CaramelLatte_10:
(Start: 54 @6942 has 66 MA's), (113, 7107), (159, 7257), (161, 7263),

Gene: CardboardBox_11 Start: 7129, Stop: 7464, Start Num: 53
Candidate Starts for CardboardBox_11:
(Start: 53 @7129 has 6 MA's), (63, 7159), (146, 7381),

Gene: Carsonalex_11 Start: 6989, Stop: 7321, Start Num: 58
Candidate Starts for Carsonalex_11:
(Start: 54 @6980 has 66 MA's), (58, 6989), (73, 7049), (111, 7142), (148, 7244),

Gene: Cashline_10 Start: 7331, Stop: 7678, Start Num: 51
Candidate Starts for Cashline_10:
(28, 7253), (Start: 51 @7331 has 284 MA's), (79, 7427), (85, 7439), (119, 7523), (161, 7658),

Gene: Cerasum_9 Start: 6295, Stop: 6624, Start Num: 51
Candidate Starts for Cerasum_9:
(Start: 51 @6295 has 284 MA's), (62, 6319), (79, 6391), (87, 6403), (91, 6424), (95, 6430), (98, 6433), (105, 6451), (120, 6484), (129, 6502), (131, 6508), (134, 6520), (141, 6538), (146, 6547), (153, 6571),

(157, 6598), (158, 6601), (164, 6619),

Gene: ChamoyPickle_11 Start: 7129, Stop: 7464, Start Num: 53
Candidate Starts for ChamoyPickle_11:
(Start: 53 @7129 has 6 MA's), (63, 7159), (146, 7381),

Gene: Che8_8 Start: 6447, Stop: 6776, Start Num: 51
Candidate Starts for Che8_8:
(Start: 51 @6447 has 284 MA's), (62, 6471), (71, 6510), (79, 6543), (91, 6576), (95, 6582), (98, 6585), (105, 6603), (120, 6636), (129, 6654), (131, 6660), (134, 6672), (141, 6690), (146, 6699), (153, 6723), (157, 6750), (158, 6753), (164, 6771),

Gene: Che9d_10 Start: 6447, Stop: 6800, Start Num: 51
Candidate Starts for Che9d_10:
(36, 6396), (38, 6402), (Start: 51 @6447 has 284 MA's), (63, 6477), (75, 6528), (113, 6633), (120, 6651), (133, 6684), (159, 6774),

Gene: CheeseTouch_10 Start: 6485, Stop: 6832, Start Num: 49
Candidate Starts for CheeseTouch_10:
(39, 6449), (Start: 49 @6485 has 21 MA's), (64, 6524), (111, 6659), (113, 6662), (126, 6695), (143, 6740), (155, 6791), (159, 6806), (164, 6821),

Gene: Cheesepuff_8 Start: 6445, Stop: 6774, Start Num: 51
Candidate Starts for Cheesepuff_8:
(8, 6175), (24, 6352), (Start: 51 @6445 has 284 MA's), (62, 6469), (71, 6508), (79, 6541), (91, 6574), (95, 6580), (98, 6583), (105, 6601), (120, 6634), (129, 6652), (131, 6658), (134, 6670), (141, 6688), (146, 6697), (153, 6721), (157, 6748), (158, 6751), (164, 6769),

Gene: CherryonLim_11 Start: 7446, Stop: 7787, Start Num: 54
Candidate Starts for CherryonLim_11:
(Start: 54 @7446 has 66 MA's), (66, 7482), (108, 7605), (117, 7620), (135, 7668), (161, 7767),

Gene: Chevrolet_8 Start: 6436, Stop: 6768, Start Num: 51
Candidate Starts for Chevrolet_8:
(Start: 51 @6436 has 284 MA's), (62, 6460), (66, 6478), (81, 6538), (88, 6553), (104, 6589), (115, 6613), (120, 6625), (123, 6631), (129, 6643), (131, 6649), (141, 6679), (153, 6712),

Gene: ChickenDinner_9 Start: 6299, Stop: 6628, Start Num: 51
Candidate Starts for ChickenDinner_9:
(Start: 51 @6299 has 284 MA's), (62, 6323), (71, 6362), (79, 6395), (87, 6407), (91, 6428), (95, 6434), (98, 6437), (105, 6455), (115, 6476), (120, 6488), (129, 6506), (131, 6512), (134, 6524), (141, 6542), (146, 6551), (153, 6575), (157, 6602), (158, 6605), (164, 6623),

Gene: ChickenTender_12 Start: 6966, Stop: 7307, Start Num: 54
Candidate Starts for ChickenTender_12:
(Start: 54 @6966 has 66 MA's), (58, 6975), (73, 7035), (111, 7128), (148, 7230),

Gene: ChipsNGuac_11 Start: 7129, Stop: 7464, Start Num: 53
Candidate Starts for ChipsNGuac_11:
(Start: 53 @7129 has 6 MA's), (63, 7159), (146, 7381),

Gene: ChocoMunchkin_10 Start: 6942, Stop: 7283, Start Num: 54
Candidate Starts for ChocoMunchkin_10:

(Start: 54 @6942 has 66 MA's), (113, 7107), (159, 7257), (161, 7263),

Gene: Chuckly_8 Start: 6446, Stop: 6778, Start Num: 51
Candidate Starts for Chuckly_8:
(Start: 51 @6446 has 284 MA's), (62, 6470), (66, 6488), (76, 6527), (81, 6548), (88, 6563), (95, 6581), (104, 6599), (115, 6623), (123, 6641), (129, 6653), (131, 6659), (141, 6689), (153, 6722),

Gene: Clank_8 Start: 6446, Stop: 6778, Start Num: 51
Candidate Starts for Clank_8:
(Start: 51 @6446 has 284 MA's), (62, 6470), (66, 6488), (76, 6527), (81, 6548), (88, 6563), (95, 6581), (104, 6599), (115, 6623), (120, 6635), (123, 6641), (129, 6653), (131, 6659), (141, 6689), (153, 6722),

Gene: Cleo_10 Start: 7123, Stop: 7470, Start Num: 54
Candidate Starts for Cleo_10:
(Start: 54 @7123 has 66 MA's), (111, 7285), (118, 7300), (119, 7303), (145, 7384),

Gene: Clifton_8 Start: 6431, Stop: 6760, Start Num: 51
Candidate Starts for Clifton_8:
(8, 6161), (24, 6338), (Start: 51 @6431 has 284 MA's), (62, 6455), (71, 6494), (79, 6527), (87, 6539), (91, 6560), (95, 6566), (98, 6569), (105, 6587), (120, 6620), (129, 6638), (131, 6644), (134, 6656), (141, 6674), (146, 6683), (153, 6707), (157, 6734), (158, 6737), (164, 6755),

Gene: Coco12_9 Start: 6296, Stop: 6625, Start Num: 51
Candidate Starts for Coco12_9:
(Start: 51 @6296 has 284 MA's), (62, 6320), (71, 6359), (79, 6392), (91, 6425), (95, 6431), (98, 6434), (105, 6452), (120, 6485), (129, 6503), (131, 6509), (134, 6521), (141, 6539), (146, 6548), (153, 6572), (157, 6599), (158, 6602), (164, 6620),

Gene: CocoCinnamon_12 Start: 8205, Stop: 8576, Start Num: 50
Candidate Starts for CocoCinnamon_12:
(Start: 50 @8205 has 19 MA's), (Start: 55 @8214 has 8 MA's), (107, 8388), (134, 8448), (146, 8493), (161, 8556), (164, 8565),

Gene: CocoaPuff_9 Start: 6695, Stop: 7036, Start Num: 54
Candidate Starts for CocoaPuff_9:
(Start: 54 @6695 has 66 MA's), (66, 6731), (108, 6854), (161, 7016),

Gene: Confidence_10 Start: 7478, Stop: 7825, Start Num: 51
Candidate Starts for Confidence_10:
(Start: 51 @7478 has 284 MA's), (85, 7586), (142, 7733), (161, 7805),

Gene: Corium_8 Start: 6447, Stop: 6779, Start Num: 51
Candidate Starts for Corium_8:
(Start: 51 @6447 has 284 MA's), (62, 6471), (66, 6489), (76, 6528), (81, 6549), (88, 6564), (95, 6582), (104, 6600), (115, 6624), (123, 6642), (129, 6654), (131, 6660), (141, 6690), (153, 6723),

Gene: Cornucopia_9 Start: 6296, Stop: 6628, Start Num: 51
Candidate Starts for Cornucopia_9:
(Start: 51 @6296 has 284 MA's), (62, 6320), (66, 6338), (76, 6377), (81, 6398), (95, 6431), (104, 6449), (115, 6473), (120, 6485), (123, 6491), (129, 6503), (131, 6509), (141, 6539), (153, 6572),

Gene: Cozz_10 Start: 6924, Stop: 7265, Start Num: 54
Candidate Starts for Cozz_10:

(Start: 54 @6924 has 66 MA's), (58, 6933), (73, 6993), (111, 7086), (148, 7188),

Gene: Crater_10 Start: 6791, Stop: 7132, Start Num: 51
Candidate Starts for Crater_10:
(29, 6716), (41, 6758), (Start: 51 @6791 has 284 MA's), (62, 6812), (69, 6842), (111, 6956), (113, 6959), (116, 6965), (120, 6977), (145, 7043), (161, 7112), (163, 7118), (164, 7121),

Gene: Crumble_8 Start: 6445, Stop: 6774, Start Num: 51
Candidate Starts for Crumble_8:
(8, 6175), (24, 6352), (Start: 51 @6445 has 284 MA's), (62, 6469), (71, 6508), (79, 6541), (91, 6574), (95, 6580), (98, 6583), (105, 6601), (120, 6634), (129, 6652), (131, 6658), (134, 6670), (141, 6688), (146, 6697), (153, 6721), (157, 6748), (158, 6751), (164, 6769),

Gene: DLane_8 Start: 6447, Stop: 6779, Start Num: 51
Candidate Starts for DLane_8:
(Start: 51 @6447 has 284 MA's), (62, 6471), (66, 6489), (76, 6528), (81, 6549), (88, 6564), (95, 6582), (104, 6600), (115, 6624), (120, 6636), (123, 6642), (129, 6654), (131, 6660), (141, 6690), (153, 6723),

Gene: DRBy19_8 Start: 6459, Stop: 6788, Start Num: 51
Candidate Starts for DRBy19_8:
(8, 6189), (24, 6366), (Start: 51 @6459 has 284 MA's), (62, 6483), (71, 6522), (79, 6555), (87, 6567), (91, 6588), (95, 6594), (98, 6597), (105, 6615), (120, 6648), (129, 6666), (131, 6672), (134, 6684), (141, 6702), (146, 6711), (153, 6735), (157, 6762), (158, 6765), (164, 6783),

Gene: DS6A_13 Start: 9721, Stop: 10056, Start Num: 55
Candidate Starts for DS6A_13:
(Start: 55 @9721 has 8 MA's), (66, 9760), (71, 9781), (76, 9799), (87, 9826), (111, 9886), (120, 9907), (147, 9976), (157, 10024), (158, 10027), (164, 10045),

Gene: DaWorst_9 Start: 6297, Stop: 6626, Start Num: 51
Candidate Starts for DaWorst_9:
(Start: 51 @6297 has 284 MA's), (62, 6321), (71, 6360), (79, 6393), (87, 6405), (91, 6426), (95, 6432), (98, 6435), (105, 6453), (120, 6486), (129, 6504), (131, 6510), (134, 6522), (141, 6540), (146, 6549), (153, 6573), (157, 6600), (158, 6603), (164, 6621),

Gene: DaddyRickover_8 Start: 6443, Stop: 6772, Start Num: 51
Candidate Starts for DaddyRickover_8:
(8, 6173), (24, 6350), (Start: 51 @6443 has 284 MA's), (62, 6467), (71, 6506), (79, 6539), (87, 6551), (91, 6572), (95, 6578), (98, 6581), (105, 6599), (120, 6632), (129, 6650), (131, 6656), (134, 6668), (141, 6686), (146, 6695), (153, 6719), (157, 6746), (158, 6749), (164, 6767),

Gene: Daenerys_8 Start: 6443, Stop: 6772, Start Num: 51
Candidate Starts for Daenerys_8:
(8, 6173), (24, 6350), (Start: 51 @6443 has 284 MA's), (62, 6467), (71, 6506), (79, 6539), (87, 6551), (91, 6572), (95, 6578), (98, 6581), (105, 6599), (120, 6632), (129, 6650), (131, 6656), (134, 6668), (141, 6686), (146, 6695), (153, 6719), (157, 6746), (158, 6749), (164, 6767),

Gene: Dante_8 Start: 6460, Stop: 6789, Start Num: 51
Candidate Starts for Dante_8:
(8, 6190), (24, 6367), (Start: 51 @6460 has 284 MA's), (62, 6484), (71, 6523), (79, 6556), (87, 6568), (91, 6589), (95, 6595), (98, 6598), (105, 6616), (120, 6649), (129, 6667), (131, 6673), (134, 6685), (141, 6703), (146, 6712), (153, 6736), (157, 6763), (158, 6766), (164, 6784),

Gene: DeadP_8 Start: 6446, Stop: 6778, Start Num: 51
Candidate Starts for DeadP_8:
(Start: 51 @6446 has 284 MA's), (62, 6470), (66, 6488), (76, 6527), (81, 6548), (88, 6563), (95, 6581), (104, 6599), (115, 6623), (120, 6635), (123, 6641), (129, 6653), (131, 6659), (141, 6689), (153, 6722),

Gene: Deb65_8 Start: 6443, Stop: 6772, Start Num: 51
Candidate Starts for Deb65_8:
(8, 6173), (24, 6350), (Start: 51 @6443 has 284 MA's), (62, 6467), (71, 6506), (79, 6539), (87, 6551), (91, 6572), (95, 6578), (98, 6581), (105, 6599), (120, 6632), (129, 6650), (131, 6656), (134, 6668), (141, 6686), (146, 6695), (153, 6719), (157, 6746), (158, 6749), (164, 6767),

Gene: Demsculpinboyz_10 Start: 6438, Stop: 6791, Start Num: 51
Candidate Starts for Demsculpinboyz_10:
(36, 6387), (38, 6393), (Start: 51 @6438 has 284 MA's), (63, 6468), (75, 6519), (113, 6624), (120, 6642), (133, 6675), (159, 6765),

Gene: DillTech15_8 Start: 6446, Stop: 6778, Start Num: 51
Candidate Starts for DillTech15_8:
(Start: 51 @6446 has 284 MA's), (62, 6470), (66, 6488), (76, 6527), (81, 6548), (88, 6563), (95, 6581), (104, 6599), (115, 6623), (120, 6635), (123, 6641), (129, 6653), (131, 6659), (141, 6689), (153, 6722),

Gene: DirtMcgirt_9 Start: 6298, Stop: 6627, Start Num: 51
Candidate Starts for DirtMcgirt_9:
(Start: 51 @6298 has 284 MA's), (62, 6322), (71, 6361), (78, 6391), (79, 6394), (87, 6406), (91, 6427), (95, 6433), (98, 6436), (105, 6454), (120, 6487), (129, 6505), (131, 6511), (141, 6541), (146, 6550), (153, 6574), (157, 6601), (158, 6604), (164, 6622),

Gene: DoRead_8 Start: 6434, Stop: 6766, Start Num: 51
Candidate Starts for DoRead_8:
(Start: 51 @6434 has 284 MA's), (62, 6458), (66, 6476), (76, 6515), (81, 6536), (88, 6551), (95, 6569), (104, 6587), (115, 6611), (120, 6623), (123, 6629), (129, 6641), (131, 6647), (141, 6677), (153, 6710),

Gene: DocMcStuffins_9 Start: 6299, Stop: 6628, Start Num: 51
Candidate Starts for DocMcStuffins_9:
(Start: 51 @6299 has 284 MA's), (62, 6323), (71, 6362), (79, 6395), (87, 6407), (91, 6428), (95, 6434), (98, 6437), (105, 6455), (115, 6476), (120, 6488), (129, 6506), (131, 6512), (134, 6524), (141, 6542), (146, 6551), (153, 6575), (157, 6602), (158, 6605), (164, 6623),

Gene: Donkeykong_8 Start: 6462, Stop: 6791, Start Num: 51
Candidate Starts for Donkeykong_8:
(8, 6192), (24, 6369), (Start: 51 @6462 has 284 MA's), (62, 6486), (71, 6525), (79, 6558), (91, 6591), (95, 6597), (98, 6600), (105, 6618), (120, 6651), (129, 6669), (131, 6675), (134, 6687), (141, 6705), (146, 6714), (153, 6738), (157, 6765), (158, 6768), (164, 6786),

Gene: Doomphist_8 Start: 6443, Stop: 6772, Start Num: 51
Candidate Starts for Doomphist_8:
(8, 6173), (24, 6350), (Start: 51 @6443 has 284 MA's), (62, 6467), (71, 6506), (79, 6539), (87, 6551), (91, 6572), (95, 6578), (98, 6581), (105, 6599), (120, 6632), (129, 6650), (131, 6656), (134, 6668), (141, 6686), (146, 6695), (153, 6719), (157, 6746), (158, 6749), (164, 6767),

Gene: Doomslug_10 Start: 6295, Stop: 6624, Start Num: 51
Candidate Starts for Doomslug_10:

(Start: 51 @6295 has 284 MA's), (62, 6319), (71, 6358), (79, 6391), (87, 6403), (91, 6424), (95, 6430), (98, 6433), (105, 6451), (120, 6484), (129, 6502), (131, 6508), (134, 6520), (141, 6538), (146, 6547), (153, 6571), (157, 6598), (158, 6601), (164, 6619),

Gene: Dorothy_8 Start: 6443, Stop: 6772, Start Num: 51
Candidate Starts for Dorothy_8:
(8, 6173), (24, 6350), (Start: 51 @6443 has 284 MA's), (62, 6467), (71, 6506), (79, 6539), (87, 6551), (91, 6572), (95, 6578), (98, 6581), (105, 6599), (120, 6632), (129, 6650), (131, 6656), (134, 6668), (141, 6686), (146, 6695), (153, 6719), (157, 6746), (158, 6749), (164, 6767),

Gene: DosHalletts_9 Start: 6296, Stop: 6625, Start Num: 51
Candidate Starts for DosHalletts_9:
(Start: 51 @6296 has 284 MA's), (62, 6320), (71, 6359), (79, 6392), (87, 6404), (91, 6425), (95, 6431), (98, 6434), (105, 6452), (120, 6485), (129, 6503), (131, 6509), (134, 6521), (141, 6539), (146, 6548), (153, 6572), (157, 6599), (158, 6602), (164, 6620),

Gene: DotProduct_8 Start: 6447, Stop: 6779, Start Num: 51
Candidate Starts for DotProduct_8:
(Start: 51 @6447 has 284 MA's), (62, 6471), (66, 6489), (76, 6528), (81, 6549), (88, 6564), (95, 6582), (104, 6600), (115, 6624), (120, 6636), (123, 6642), (129, 6654), (131, 6660), (141, 6690), (153, 6723),

Gene: Doug_8 Start: 6445, Stop: 6774, Start Num: 51
Candidate Starts for Doug_8:
(8, 6175), (24, 6352), (Start: 51 @6445 has 284 MA's), (62, 6469), (71, 6508), (79, 6541), (87, 6553), (91, 6574), (95, 6580), (98, 6583), (105, 6601), (120, 6634), (129, 6652), (131, 6658), (134, 6670), (141, 6688), (146, 6697), (153, 6721), (157, 6748), (158, 6751), (164, 6769),

Gene: Drago_9 Start: 6296, Stop: 6625, Start Num: 51
Candidate Starts for Drago_9:
(Start: 51 @6296 has 284 MA's), (62, 6320), (71, 6359), (79, 6392), (87, 6404), (91, 6425), (95, 6431), (98, 6434), (105, 6452), (120, 6485), (129, 6503), (131, 6509), (141, 6539), (146, 6548), (153, 6572), (157, 6599), (158, 6602), (164, 6620),

Gene: Dre3_10 Start: 7070, Stop: 7417, Start Num: 54
Candidate Starts for Dre3_10:
(Start: 54 @7070 has 66 MA's), (111, 7232), (118, 7247), (119, 7250), (145, 7331),

Gene: EMsquaredA_10 Start: 7484, Stop: 7831, Start Num: 51
Candidate Starts for EMsquaredA_10:
(Start: 51 @7484 has 284 MA's), (85, 7592), (142, 7739), (161, 7811),

Gene: Ecliptus_10 Start: 6513, Stop: 6860, Start Num: 50
Candidate Starts for Ecliptus_10:
(6, 6228), (9, 6261), (33, 6462), (Start: 50 @6513 has 19 MA's), (85, 6624), (120, 6705), (129, 6726), (134, 6744), (145, 6771), (163, 6843), (164, 6846),

Gene: Eish_8 Start: 6433, Stop: 6762, Start Num: 51
Candidate Starts for Eish_8:
(Start: 51 @6433 has 284 MA's), (62, 6457), (71, 6496), (79, 6529), (87, 6541), (91, 6562), (95, 6568), (98, 6571), (105, 6589), (120, 6622), (129, 6640), (131, 6646), (141, 6676), (146, 6685), (153, 6709), (157, 6736), (158, 6739), (164, 6757),

Gene: ElJefes_9 Start: 7172, Stop: 7513, Start Num: 54

Candidate Starts for ElJefes_9:
(Start: 54 @7172 has 66 MA's), (66, 7208), (108, 7331), (117, 7346), (135, 7394), (161, 7493),

Gene: EleanorGeorge_8 Start: 6446, Stop: 6778, Start Num: 51
Candidate Starts for EleanorGeorge_8:
(37, 6401), (Start: 51 @6446 has 284 MA's), (62, 6470), (66, 6488), (76, 6527), (81, 6548), (88, 6563), (95, 6581), (104, 6599), (115, 6623), (120, 6635), (123, 6641), (129, 6653), (131, 6659), (141, 6689), (153, 6722),

Gene: Elfy_8 Start: 6109, Stop: 6465, Start Num: 53
Candidate Starts for Elfy_8:
(Start: 53 @6109 has 6 MA's), (66, 6151), (69, 6163), (73, 6184), (78, 6205), (89, 6244), (92, 6250), (102, 6274), (113, 6292), (114, 6295), (129, 6328), (147, 6382), (164, 6454),

Gene: Elinal_11 Start: 6701, Stop: 7042, Start Num: 54
Candidate Starts for Elinal_11:
(Start: 54 @6701 has 66 MA's), (66, 6737), (108, 6860), (161, 7022),

Gene: Eliott_10 Start: 6923, Stop: 7264, Start Num: 54
Candidate Starts for Eliott_10:
(Start: 54 @6923 has 66 MA's), (58, 6932), (73, 6992), (111, 7085), (148, 7187),

Gene: Emalyn_9 Start: 6652, Stop: 6993, Start Num: 54
Candidate Starts for Emalyn_9:
(Start: 54 @6652 has 66 MA's), (113, 6817), (148, 6916), (161, 6973),

Gene: EmiMonkey_8 Start: 6460, Stop: 6789, Start Num: 51
Candidate Starts for EmiMonkey_8:
(8, 6190), (24, 6367), (Start: 51 @6460 has 284 MA's), (62, 6484), (71, 6523), (79, 6556), (87, 6568), (91, 6589), (95, 6595), (98, 6598), (105, 6616), (120, 6649), (129, 6667), (131, 6673), (134, 6685), (141, 6703), (146, 6712), (153, 6736), (157, 6763), (158, 6766), (164, 6784),

Gene: Emma_8 Start: 6446, Stop: 6778, Start Num: 51
Candidate Starts for Emma_8:
(Start: 51 @6446 has 284 MA's), (62, 6470), (66, 6488), (76, 6527), (81, 6548), (88, 6563), (95, 6581), (104, 6599), (115, 6623), (120, 6635), (123, 6641), (129, 6653), (131, 6659), (141, 6689), (153, 6722),

Gene: Emmaloid_9 Start: 6297, Stop: 6626, Start Num: 51
Candidate Starts for Emmaloid_9:
(Start: 51 @6297 has 284 MA's), (62, 6321), (71, 6360), (79, 6393), (87, 6405), (91, 6426), (95, 6432), (98, 6435), (105, 6453), (120, 6486), (129, 6504), (131, 6510), (134, 6522), (141, 6540), (146, 6549), (153, 6573), (157, 6600), (158, 6603), (164, 6621),

Gene: Empress_8 Start: 6443, Stop: 6772, Start Num: 51
Candidate Starts for Empress_8:
(8, 6173), (24, 6350), (Start: 51 @6443 has 284 MA's), (62, 6467), (71, 6506), (79, 6539), (87, 6551), (91, 6572), (95, 6578), (98, 6581), (105, 6599), (120, 6632), (129, 6650), (131, 6656), (134, 6668), (141, 6686), (146, 6695), (153, 6719), (157, 6746), (158, 6749), (164, 6767),

Gene: EnalisNailo_10 Start: 7484, Stop: 7831, Start Num: 51
Candidate Starts for EnalisNailo_10:
(Start: 51 @7484 has 284 MA's), (85, 7592), (142, 7739), (161, 7811),

Gene: Enby_9 Start: 6296, Stop: 6625, Start Num: 51
Candidate Starts for Enby_9:
(Start: 51 @6296 has 284 MA's), (62, 6320), (71, 6359), (79, 6392), (87, 6404), (91, 6425), (95, 6431), (98, 6434), (105, 6452), (120, 6485), (129, 6503), (131, 6509), (141, 6539), (146, 6548), (153, 6572), (157, 6599), (158, 6602), (164, 6620),

Gene: Enzomatic_9 Start: 6420, Stop: 6752, Start Num: 51
Candidate Starts for Enzomatic_9:
(Start: 51 @6420 has 284 MA's), (62, 6444), (66, 6462), (76, 6501), (81, 6522), (95, 6555), (104, 6573), (115, 6597), (120, 6609), (123, 6615), (129, 6627), (131, 6633), (141, 6663), (153, 6696),

Gene: Eradicator_8 Start: 6444, Stop: 6773, Start Num: 51
Candidate Starts for Eradicator_8:
(8, 6174), (24, 6351), (Start: 51 @6444 has 284 MA's), (62, 6468), (71, 6507), (79, 6540), (87, 6552), (91, 6573), (95, 6579), (98, 6582), (105, 6600), (120, 6633), (129, 6651), (131, 6657), (134, 6669), (141, 6687), (146, 6696), (153, 6720), (157, 6747), (158, 6750), (164, 6768),

Gene: Estave1_8 Start: 6445, Stop: 6774, Start Num: 51
Candidate Starts for Estave1_8:
(8, 6175), (24, 6352), (Start: 51 @6445 has 284 MA's), (62, 6469), (71, 6508), (79, 6541), (87, 6553), (91, 6574), (95, 6580), (98, 6583), (105, 6601), (120, 6634), (129, 6652), (131, 6658), (134, 6670), (141, 6688), (146, 6697), (153, 6721), (157, 6748), (158, 6751), (164, 6769),

Gene: EvenBluerMoon_10 Start: 8140, Stop: 8472, Start Num: 50
Candidate Starts for EvenBluerMoon_10:
(Start: 50 @8140 has 19 MA's), (Start: 55 @8149 has 8 MA's),

Gene: Ezurina_10 Start: 6694, Stop: 7029, Start Num: 53
Candidate Starts for Ezurina_10:
(Start: 53 @6694 has 6 MA's), (146, 6946),

Gene: FF47_12 Start: 8188, Stop: 8562, Start Num: 46
Candidate Starts for FF47_12:
(Start: 46 @8188 has 3 MA's), (62, 8227), (79, 8299), (107, 8374), (118, 8392), (119, 8395), (158, 8527), (162, 8539),

Gene: Fancypants_8 Start: 6447, Stop: 6776, Start Num: 51
Candidate Starts for Fancypants_8:
(8, 6177), (24, 6354), (Start: 51 @6447 has 284 MA's), (62, 6471), (71, 6510), (79, 6543), (87, 6555), (91, 6576), (95, 6582), (98, 6585), (105, 6603), (120, 6636), (129, 6654), (131, 6660), (141, 6690), (146, 6699), (153, 6723), (157, 6750), (158, 6753), (164, 6771),

Gene: Fastidio_8 Start: 6446, Stop: 6775, Start Num: 51
Candidate Starts for Fastidio_8:
(Start: 51 @6446 has 284 MA's), (62, 6470), (71, 6509), (79, 6542), (87, 6554), (91, 6575), (95, 6581), (98, 6584), (105, 6602), (120, 6635), (129, 6653), (131, 6659), (134, 6671), (141, 6689), (146, 6698), (153, 6722), (155, 6740), (157, 6749), (158, 6752), (164, 6770),

Gene: Feastonyeet_9 Start: 6720, Stop: 7061, Start Num: 54
Candidate Starts for Feastonyeet_9:
(Start: 54 @6720 has 66 MA's), (66, 6756), (67, 6759), (108, 6879), (117, 6894), (161, 7041),

Gene: Filuzino_8 Start: 6447, Stop: 6779, Start Num: 51

Candidate Starts for Filuzino_8:
(Start: 51 @6447 has 284 MA's), (62, 6471), (66, 6489), (76, 6528), (81, 6549), (88, 6564), (95, 6582), (104, 6600), (115, 6624), (123, 6642), (129, 6654), (131, 6660), (141, 6690), (153, 6723),

Gene: Firehouse51_8 Start: 6446, Stop: 6778, Start Num: 51
Candidate Starts for Firehouse51_8:
(Start: 51 @6446 has 284 MA's), (62, 6470), (66, 6488), (76, 6527), (81, 6548), (88, 6563), (95, 6581), (104, 6599), (115, 6623), (120, 6635), (123, 6641), (129, 6653), (131, 6659), (141, 6689), (153, 6722),

Gene: Flathead_9 Start: 6295, Stop: 6624, Start Num: 51
Candidate Starts for Flathead_9:
(Start: 51 @6295 has 284 MA's), (62, 6319), (71, 6358), (79, 6391), (87, 6403), (91, 6424), (95, 6430), (98, 6433), (105, 6451), (120, 6484), (129, 6502), (131, 6508), (134, 6520), (141, 6538), (146, 6547), (153, 6571), (157, 6598), (158, 6601), (164, 6619),

Gene: Floral_10 Start: 7484, Stop: 7831, Start Num: 51
Candidate Starts for Floral_10:
(Start: 51 @7484 has 284 MA's), (85, 7592), (142, 7739), (161, 7811),

Gene: Florinda_8 Start: 6463, Stop: 6792, Start Num: 51
Candidate Starts for Florinda_8:
(8, 6193), (24, 6370), (Start: 51 @6463 has 284 MA's), (62, 6487), (71, 6526), (79, 6559), (91, 6592), (95, 6598), (98, 6601), (105, 6619), (120, 6652), (129, 6670), (131, 6676), (134, 6688), (141, 6706), (146, 6715), (153, 6739), (157, 6766), (158, 6769), (164, 6787),

Gene: Frankie_9 Start: 6489, Stop: 6818, Start Num: 51
Candidate Starts for Frankie_9:
(Start: 51 @6489 has 284 MA's), (62, 6513), (71, 6552), (79, 6585), (87, 6597), (91, 6618), (95, 6624), (98, 6627), (105, 6645), (120, 6678), (129, 6696), (131, 6702), (134, 6714), (141, 6732), (146, 6741), (153, 6765), (157, 6792), (158, 6795), (164, 6813),

Gene: FreddyB_8 Start: 6444, Stop: 6773, Start Num: 51
Candidate Starts for FreddyB_8:
(8, 6174), (24, 6351), (Start: 51 @6444 has 284 MA's), (62, 6468), (71, 6507), (79, 6540), (87, 6552), (91, 6573), (95, 6579), (98, 6582), (105, 6600), (120, 6633), (129, 6651), (131, 6657), (134, 6669), (141, 6687), (146, 6696), (153, 6720), (157, 6747), (158, 6750), (164, 6768),

Gene: Fribs8_11 Start: 7633, Stop: 7983, Start Num: 54
Candidate Starts for Fribs8_11:
(32, 7573), (Start: 54 @7633 has 66 MA's), (62, 7651), (68, 7675), (111, 7798), (113, 7801), (118, 7813), (119, 7816), (145, 7897), (148, 7906),

Gene: Frickyeah_10 Start: 6480, Stop: 6827, Start Num: 49
Candidate Starts for Frickyeah_10:
(39, 6444), (Start: 49 @6480 has 21 MA's), (64, 6519), (73, 6561), (102, 6633), (111, 6654), (113, 6657), (126, 6690), (137, 6717), (143, 6735), (155, 6786), (159, 6801), (161, 6807), (164, 6816),

Gene: Fruitloop_8 Start: 6447, Stop: 6779, Start Num: 51
Candidate Starts for Fruitloop_8:
(Start: 51 @6447 has 284 MA's), (62, 6471), (66, 6489), (76, 6528), (81, 6549), (88, 6564), (95, 6582), (104, 6600), (115, 6624), (123, 6642), (129, 6654), (131, 6660), (141, 6690), (153, 6723),

Gene: GTE2_08 Start: 6602, Stop: 6943, Start Num: 54

Candidate Starts for GTE2_08:
(Start: 54 @6602 has 66 MA's), (113, 6767), (159, 6917), (161, 6923),

Gene: GUmbie_8 Start: 6460, Stop: 6789, Start Num: 51
Candidate Starts for GUmbie_8:
(8, 6190), (24, 6367), (Start: 51 @6460 has 284 MA's), (62, 6484), (71, 6523), (79, 6556), (87, 6568), (91, 6589), (95, 6595), (98, 6598), (105, 6616), (115, 6637), (120, 6649), (129, 6667), (131, 6673), (141, 6703), (146, 6712), (153, 6736), (157, 6763), (158, 6766), (164, 6784),

Gene: Gaia_7 Start: 7028, Stop: 7366, Start Num: 51
Candidate Starts for Gaia_7:
(Start: 51 @7028 has 284 MA's), (61, 7049), (62, 7052), (81, 7130), (87, 7136), (93, 7157), (94, 7160), (99, 7169), (119, 7211), (137, 7256), (146, 7283), (147, 7286), (158, 7337), (164, 7355),

Gene: Galactic_8 Start: 6420, Stop: 6752, Start Num: 51
Candidate Starts for Galactic_8:
(Start: 51 @6420 has 284 MA's), (62, 6444), (66, 6462), (76, 6501), (81, 6522), (95, 6555), (104, 6573), (115, 6597), (120, 6609), (123, 6615), (129, 6627), (131, 6633), (141, 6663), (153, 6696),

Gene: Gandalph_8 Start: 6460, Stop: 6789, Start Num: 51
Candidate Starts for Gandalph_8:
(8, 6190), (24, 6367), (Start: 51 @6460 has 284 MA's), (62, 6484), (71, 6523), (79, 6556), (87, 6568), (91, 6589), (95, 6595), (98, 6598), (105, 6616), (120, 6649), (129, 6667), (131, 6673), (134, 6685), (141, 6703), (146, 6712), (153, 6736), (157, 6763), (158, 6766), (164, 6784),

Gene: Geralt_8 Start: 6443, Stop: 6772, Start Num: 51
Candidate Starts for Geralt_8:
(8, 6173), (24, 6350), (Start: 51 @6443 has 284 MA's), (62, 6467), (71, 6506), (79, 6539), (87, 6551), (91, 6572), (95, 6578), (98, 6581), (105, 6599), (120, 6632), (129, 6650), (131, 6656), (134, 6668), (141, 6686), (146, 6695), (153, 6719), (157, 6746), (158, 6749), (164, 6767),

Gene: Gerri43_11 Start: 7129, Stop: 7464, Start Num: 53
Candidate Starts for Gerri43_11:
(Start: 53 @7129 has 6 MA's), (63, 7159), (146, 7381),

Gene: Getalong_10 Start: 6480, Stop: 6827, Start Num: 49
Candidate Starts for Getalong_10:
(39, 6444), (Start: 49 @6480 has 21 MA's), (64, 6519), (73, 6561), (102, 6633), (111, 6654), (113, 6657), (126, 6690), (143, 6735), (155, 6786), (159, 6801), (164, 6816),

Gene: GiKK_13 Start: 7246, Stop: 7584, Start Num: 54
Candidate Starts for GiKK_13:
(25, 7156), (26, 7159), (28, 7165), (Start: 54 @7246 has 66 MA's), (134, 7465), (135, 7468), (161, 7564),

Gene: Gibbous_10 Start: 7070, Stop: 7417, Start Num: 54
Candidate Starts for Gibbous_10:
(Start: 54 @7070 has 66 MA's), (111, 7232), (118, 7247), (119, 7250), (145, 7331),

Gene: GigiOuiOui_8 Start: 6460, Stop: 6789, Start Num: 51
Candidate Starts for GigiOuiOui_8:
(8, 6190), (24, 6367), (Start: 51 @6460 has 284 MA's), (62, 6484), (71, 6523), (79, 6556), (91, 6589), (95, 6595), (98, 6598), (105, 6616), (120, 6649), (129, 6667), (131, 6673), (134, 6685), (141, 6703),

(146, 6712), (153, 6736), (157, 6763), (158, 6766), (164, 6784),

Gene: Girafales_9 Start: 6291, Stop: 6620, Start Num: 51
Candidate Starts for Girafales_9:
(Start: 51 @6291 has 284 MA's), (62, 6315), (71, 6354), (79, 6387), (87, 6399), (91, 6420), (95, 6426), (98, 6429), (105, 6447), (120, 6480), (129, 6498), (131, 6504), (134, 6516), (141, 6534), (146, 6543), (153, 6567), (157, 6594), (158, 6597), (164, 6615),

Gene: Girr_8 Start: 6449, Stop: 6778, Start Num: 51
Candidate Starts for Girr_8:
(Start: 51 @6449 has 284 MA's), (62, 6473), (71, 6512), (79, 6545), (87, 6557), (91, 6578), (95, 6584), (98, 6587), (105, 6605), (120, 6638), (129, 6656), (131, 6662), (141, 6692), (146, 6701), (153, 6725), (157, 6752), (158, 6755), (164, 6773),

Gene: GoldHunter_10 Start: 6924, Stop: 7265, Start Num: 54
Candidate Starts for GoldHunter_10:
(Start: 54 @6924 has 66 MA's), (58, 6933), (73, 6993), (111, 7086), (148, 7188),

Gene: Gorge_8 Start: 6432, Stop: 6761, Start Num: 51
Candidate Starts for Gorge_8:
(8, 6162), (24, 6339), (Start: 51 @6432 has 284 MA's), (62, 6456), (71, 6495), (79, 6528), (87, 6540), (91, 6561), (95, 6567), (98, 6570), (105, 6588), (120, 6621), (129, 6639), (131, 6645), (134, 6657), (141, 6675), (146, 6684), (153, 6708), (157, 6735), (158, 6738), (164, 6756),

Gene: GrimEater_9 Start: 6187, Stop: 6525, Start Num: 52
Candidate Starts for GrimEater_9:
(Start: 52 @6187 has 4 MA's), (74, 6265), (102, 6334), (113, 6352), (129, 6388),

Gene: Grimmer_9 Start: 7098, Stop: 7427, Start Num: 51
Candidate Starts for Grimmer_9:
(8, 6828), (24, 7005), (Start: 51 @7098 has 284 MA's), (62, 7122), (71, 7161), (79, 7194), (87, 7206), (95, 7233), (98, 7236), (105, 7254), (120, 7287), (129, 7305), (131, 7311), (141, 7341), (146, 7350), (153, 7374), (157, 7401), (158, 7404), (164, 7422),

Gene: Guppsters_8 Start: 6446, Stop: 6778, Start Num: 51
Candidate Starts for Guppsters_8:
(Start: 51 @6446 has 284 MA's), (62, 6470), (66, 6488), (76, 6527), (81, 6548), (88, 6563), (95, 6581), (104, 6599), (115, 6623), (120, 6635), (123, 6641), (129, 6653), (131, 6659), (141, 6689), (153, 6722),

Gene: Hades_8 Start: 6446, Stop: 6775, Start Num: 51
Candidate Starts for Hades_8:
(8, 6176), (24, 6353), (Start: 51 @6446 has 284 MA's), (62, 6470), (71, 6509), (79, 6542), (91, 6575), (95, 6581), (98, 6584), (105, 6602), (120, 6635), (129, 6653), (131, 6659), (141, 6689), (146, 6698), (153, 6722), (157, 6749), (158, 6752), (164, 6770),

Gene: Hamulus_8 Start: 6447, Stop: 6779, Start Num: 51
Candidate Starts for Hamulus_8:
(Start: 51 @6447 has 284 MA's), (62, 6471), (66, 6489), (76, 6528), (81, 6549), (88, 6564), (95, 6582), (104, 6600), (115, 6624), (120, 6636), (123, 6642), (129, 6654), (131, 6660), (141, 6690), (153, 6723),

Gene: Harley_8 Start: 6433, Stop: 6762, Start Num: 51
Candidate Starts for Harley_8:

(24, 6340), (Start: 51 @6433 has 284 MA's), (62, 6457), (71, 6496), (79, 6529), (87, 6541), (91, 6562), (95, 6568), (98, 6571), (105, 6589), (120, 6622), (129, 6640), (131, 6646), (134, 6658), (141, 6676), (146, 6685), (153, 6709), (157, 6736), (158, 6739), (164, 6757),

Gene: Hegedechwinu_9 Start: 6295, Stop: 6624, Start Num: 51
Candidate Starts for Hegedechwinu_9:
(Start: 51 @6295 has 284 MA's), (62, 6319), (71, 6358), (79, 6391), (87, 6403), (91, 6424), (95, 6430), (98, 6433), (105, 6451), (120, 6484), (129, 6502), (131, 6508), (134, 6520), (141, 6538), (146, 6547), (153, 6571), (157, 6598), (158, 6601), (164, 6619),

Gene: Hereford_11 Start: 8285, Stop: 8617, Start Num: 50
Candidate Starts for Hereford_11:
(1, 7853), (Start: 50 @8285 has 19 MA's), (Start: 55 @8294 has 8 MA's),

Gene: Hexbug_12 Start: 7932, Stop: 8270, Start Num: 54
Candidate Starts for Hexbug_12:
(26, 7848), (Start: 54 @7932 has 66 MA's), (84, 8031), (134, 8151), (135, 8154), (159, 8244), (161, 8250),

Gene: HippoPololi_12 Start: 7722, Stop: 8069, Start Num: 54
Candidate Starts for HippoPololi_12:
(32, 7668), (Start: 54 @7722 has 66 MA's), (111, 7884), (118, 7899), (142, 7974), (145, 7983),

Gene: Hlubikazi_8 Start: 6433, Stop: 6762, Start Num: 51
Candidate Starts for Hlubikazi_8:
(8, 6163), (24, 6340), (Start: 51 @6433 has 284 MA's), (62, 6457), (71, 6496), (79, 6529), (87, 6541), (91, 6562), (95, 6568), (98, 6571), (105, 6589), (120, 6622), (129, 6640), (131, 6646), (141, 6676), (146, 6685), (153, 6709), (157, 6736), (158, 6739), (164, 6757),

Gene: Holliday_10 Start: 6485, Stop: 6832, Start Num: 49
Candidate Starts for Holliday_10:
(39, 6449), (Start: 49 @6485 has 21 MA's), (64, 6524), (111, 6659), (113, 6662), (126, 6695), (143, 6740), (155, 6791), (159, 6806), (164, 6821),

Gene: Horseradish_11 Start: 6805, Stop: 7146, Start Num: 54
Candidate Starts for Horseradish_11:
(Start: 54 @6805 has 66 MA's), (89, 6928), (148, 7069), (159, 7120), (161, 7126),

Gene: Horus_10 Start: 6480, Stop: 6827, Start Num: 49
Candidate Starts for Horus_10:
(39, 6444), (Start: 49 @6480 has 21 MA's), (64, 6519), (73, 6561), (102, 6633), (111, 6654), (113, 6657), (126, 6690), (137, 6717), (143, 6735), (155, 6786), (159, 6801), (161, 6807), (164, 6816),

Gene: IMpilo_8 Start: 6434, Stop: 6766, Start Num: 51
Candidate Starts for IMpilo_8:
(Start: 51 @6434 has 284 MA's), (62, 6458), (66, 6476), (76, 6515), (81, 6536), (88, 6551), (95, 6569), (104, 6587), (115, 6611), (120, 6623), (123, 6629), (129, 6641), (131, 6647), (141, 6677), (153, 6710),

Gene: IbOuu_8 Start: 6442, Stop: 6771, Start Num: 51
Candidate Starts for IbOuu_8:
(8, 6172), (24, 6349), (Start: 51 @6442 has 284 MA's), (62, 6466), (71, 6505), (79, 6538), (87, 6550), (91, 6571), (95, 6577), (98, 6580), (105, 6598), (120, 6631), (129, 6649), (131, 6655), (134, 6667), (141, 6685), (146, 6694), (153, 6718), (157, 6745), (158, 6748), (164, 6766),

Gene: Ibhubesi_8 Start: 6433, Stop: 6762, Start Num: 51
Candidate Starts for Ibhubesi_8:
(24, 6340), (Start: 51 @6433 has 284 MA's), (62, 6457), (71, 6496), (79, 6529), (87, 6541), (91, 6562), (95, 6568), (98, 6571), (105, 6589), (120, 6622), (129, 6640), (131, 6646), (134, 6658), (141, 6676), (146, 6685), (153, 6709), (157, 6736), (158, 6739), (164, 6757),

Gene: InLimbo_10 Start: 5950, Stop: 6303, Start Num: 47
Candidate Starts for InLimbo_10:
(15, 5809), (38, 5917), (47, 5950), (Start: 51 @5962 has 284 MA's), (78, 6055), (113, 6130), (118, 6142), (129, 6169), (134, 6187), (163, 6289), (164, 6292),

Gene: Inventum_8 Start: 6443, Stop: 6772, Start Num: 51
Candidate Starts for Inventum_8:
(8, 6173), (24, 6350), (Start: 51 @6443 has 284 MA's), (62, 6467), (71, 6506), (79, 6539), (87, 6551), (91, 6572), (95, 6578), (98, 6581), (105, 6599), (120, 6632), (129, 6650), (131, 6656), (134, 6668), (141, 6686), (146, 6695), (153, 6719), (157, 6746), (158, 6749), (164, 6767),

Gene: IrishSherpFalk_8 Start: 6434, Stop: 6766, Start Num: 51
Candidate Starts for IrishSherpFalk_8:
(Start: 51 @6434 has 284 MA's), (61, 6455), (62, 6458), (71, 6497), (81, 6536), (95, 6569), (98, 6572), (112, 6605), (115, 6611), (129, 6641), (131, 6647), (141, 6677), (153, 6710), (157, 6737), (161, 6749), (164, 6758),

Gene: Jabbawokkie_11 Start: 6961, Stop: 7314, Start Num: 51
Candidate Starts for Jabbawokkie_11:
(36, 6910), (38, 6916), (Start: 51 @6961 has 284 MA's), (63, 6991), (75, 7042), (113, 7147), (120, 7165), (133, 7198), (159, 7288),

Gene: Jablanski_10 Start: 7331, Stop: 7678, Start Num: 51
Candidate Starts for Jablanski_10:
(Start: 51 @7331 has 284 MA's), (85, 7439), (101, 7484), (142, 7586), (161, 7658),

Gene: JacoRen57_9 Start: 7271, Stop: 7642, Start Num: 46
Candidate Starts for JacoRen57_9:
(19, 7157), (34, 7232), (Start: 46 @7271 has 3 MA's), (119, 7481), (120, 7484), (142, 7541), (164, 7625), (165, 7634),

Gene: JalFarm20_9 Start: 6296, Stop: 6625, Start Num: 51
Candidate Starts for JalFarm20_9:
(Start: 51 @6296 has 284 MA's), (62, 6320), (71, 6359), (79, 6392), (87, 6404), (91, 6425), (95, 6431), (98, 6434), (105, 6452), (115, 6473), (120, 6485), (129, 6503), (131, 6509), (141, 6539), (146, 6548), (153, 6572), (157, 6599), (158, 6602), (164, 6620),

Gene: James_8 Start: 6435, Stop: 6764, Start Num: 51
Candidate Starts for James_8:
(8, 6165), (24, 6342), (Start: 51 @6435 has 284 MA's), (62, 6459), (71, 6498), (79, 6531), (87, 6543), (91, 6564), (95, 6570), (98, 6573), (105, 6591), (120, 6624), (129, 6642), (131, 6648), (141, 6678), (146, 6687), (153, 6711), (157, 6738), (158, 6741), (164, 6759),

Gene: Jamzy_13 Start: 7256, Stop: 7594, Start Num: 54
Candidate Starts for Jamzy_13:

(26, 7169), (28, 7175), (Start: 54 @7256 has 66 MA's), (119, 7436), (124, 7451), (134, 7475), (137, 7481), (161, 7574),

Gene: JanetJ_10 Start: 7922, Stop: 8254, Start Num: 50
Candidate Starts for JanetJ_10:
(Start: 50 @7922 has 19 MA's), (Start: 55 @7931 has 8 MA's),

Gene: Jankie_9 Start: 6186, Stop: 6524, Start Num: 52
Candidate Starts for Jankie_9:
(Start: 52 @6186 has 4 MA's), (74, 6264), (102, 6333), (113, 6351), (129, 6387),

Gene: Jant_8 Start: 6446, Stop: 6778, Start Num: 51
Candidate Starts for Jant_8:
(Start: 51 @6446 has 284 MA's), (62, 6470), (66, 6488), (76, 6527), (81, 6548), (88, 6563), (95, 6581), (104, 6599), (115, 6623), (120, 6635), (123, 6641), (129, 6653), (131, 6659), (141, 6689), (153, 6722),

Gene: Jarcob_8 Start: 6444, Stop: 6773, Start Num: 51
Candidate Starts for Jarcob_8:
(8, 6174), (24, 6351), (Start: 51 @6444 has 284 MA's), (62, 6468), (71, 6507), (79, 6540), (87, 6552), (91, 6573), (95, 6579), (98, 6582), (105, 6600), (120, 6633), (129, 6651), (131, 6657), (134, 6669), (141, 6687), (146, 6696), (153, 6720), (155, 6738), (157, 6747), (158, 6750), (164, 6768),

Gene: JeanClaude_9 Start: 6908, Stop: 7240, Start Num: 50
Candidate Starts for JeanClaude_9:
(Start: 50 @6908 has 19 MA's), (Start: 55 @6917 has 8 MA's), (73, 6986), (129, 7130), (146, 7157), (164, 7229),

Gene: Jennelsea_8 Start: 6431, Stop: 6760, Start Num: 51
Candidate Starts for Jennelsea_8:
(8, 6161), (24, 6338), (Start: 51 @6431 has 284 MA's), (62, 6455), (71, 6494), (79, 6527), (87, 6539), (91, 6560), (95, 6566), (98, 6569), (105, 6587), (120, 6620), (129, 6638), (131, 6644), (134, 6656), (141, 6674), (146, 6683), (153, 6707), (157, 6734), (158, 6737), (164, 6755),

Gene: Jinglebell_8 Start: 6442, Stop: 6771, Start Num: 51
Candidate Starts for Jinglebell_8:
(8, 6172), (24, 6349), (Start: 51 @6442 has 284 MA's), (62, 6466), (71, 6505), (79, 6538), (87, 6550), (91, 6571), (95, 6577), (98, 6580), (105, 6598), (120, 6631), (129, 6649), (131, 6655), (141, 6685), (146, 6694), (153, 6718), (157, 6745), (158, 6748), (164, 6766),

Gene: Job42_9 Start: 6296, Stop: 6625, Start Num: 51
Candidate Starts for Job42_9:
(Start: 51 @6296 has 284 MA's), (62, 6320), (71, 6359), (79, 6392), (91, 6425), (95, 6431), (98, 6434), (105, 6452), (120, 6485), (129, 6503), (131, 6509), (134, 6521), (141, 6539), (146, 6548), (148, 6554), (153, 6572), (157, 6599), (158, 6602), (164, 6620),

Gene: JoeyJr_8 Start: 6443, Stop: 6772, Start Num: 51
Candidate Starts for JoeyJr_8:
(8, 6173), (24, 6350), (Start: 51 @6443 has 284 MA's), (62, 6467), (71, 6506), (79, 6539), (87, 6551), (91, 6572), (95, 6578), (98, 6581), (105, 6599), (120, 6632), (129, 6650), (131, 6656), (134, 6668), (141, 6686), (146, 6695), (153, 6719), (157, 6746), (158, 6749), (164, 6767),

Gene: Juice456_9 Start: 6297, Stop: 6626, Start Num: 51
Candidate Starts for Juice456_9:

(Start: 51 @6297 has 284 MA's), (62, 6321), (71, 6360), (79, 6393), (87, 6405), (91, 6426), (95, 6432), (98, 6435), (105, 6453), (120, 6486), (129, 6504), (131, 6510), (134, 6522), (141, 6540), (146, 6549), (153, 6573), (157, 6600), (158, 6603), (164, 6621),

Gene: Juniper1_8 Start: 6435, Stop: 6764, Start Num: 51
Candidate Starts for Juniper1_8:
(Start: 51 @6435 has 284 MA's), (62, 6459), (71, 6498), (79, 6531), (87, 6543), (91, 6564), (95, 6570), (98, 6573), (105, 6591), (115, 6612), (120, 6624), (129, 6642), (131, 6648), (141, 6678), (146, 6687), (153, 6711), (157, 6738), (158, 6741), (164, 6759),

Gene: Kamaru_10 Start: 6485, Stop: 6832, Start Num: 49
Candidate Starts for Kamaru_10:
(39, 6449), (Start: 49 @6485 has 21 MA's), (64, 6524), (111, 6659), (113, 6662), (126, 6695), (143, 6740), (155, 6791), (159, 6806), (164, 6821),

Gene: Karhdo_8 Start: 6447, Stop: 6776, Start Num: 51
Candidate Starts for Karhdo_8:
(8, 6177), (24, 6354), (Start: 51 @6447 has 284 MA's), (62, 6471), (71, 6510), (79, 6543), (87, 6555), (91, 6576), (95, 6582), (98, 6585), (105, 6603), (115, 6624), (120, 6636), (129, 6654), (131, 6660), (141, 6690), (146, 6699), (153, 6723), (157, 6750), (158, 6753), (164, 6771),

Gene: KayGee_10 Start: 6701, Stop: 7042, Start Num: 54
Candidate Starts for KayGee_10:
(Start: 54 @6701 has 66 MA's), (66, 6737), (108, 6860), (161, 7022),

Gene: Kenna_10 Start: 6480, Stop: 6827, Start Num: 49
Candidate Starts for Kenna_10:
(39, 6444), (Start: 49 @6480 has 21 MA's), (64, 6519), (73, 6561), (111, 6654), (113, 6657), (126, 6690), (143, 6735), (159, 6801), (164, 6816),

Gene: Kenuha5_8 Start: 6446, Stop: 6778, Start Num: 51
Candidate Starts for Kenuha5_8:
(Start: 51 @6446 has 284 MA's), (62, 6470), (66, 6488), (76, 6527), (81, 6548), (88, 6563), (95, 6581), (104, 6599), (115, 6623), (120, 6635), (123, 6641), (129, 6653), (131, 6659), (141, 6689), (153, 6722),

Gene: Kersh_8 Start: 6436, Stop: 6765, Start Num: 51
Candidate Starts for Kersh_8:
(8, 6166), (24, 6343), (Start: 51 @6436 has 284 MA's), (62, 6460), (71, 6499), (79, 6532), (87, 6544), (91, 6565), (95, 6571), (98, 6574), (105, 6592), (115, 6613), (120, 6625), (129, 6643), (131, 6649), (134, 6661), (141, 6679), (146, 6688), (153, 6712), (157, 6739), (158, 6742), (164, 6760),

Gene: Kimberlium_9 Start: 6297, Stop: 6626, Start Num: 51
Candidate Starts for Kimberlium_9:
(Start: 51 @6297 has 284 MA's), (62, 6321), (71, 6360), (79, 6393), (87, 6405), (91, 6426), (95, 6432), (98, 6435), (105, 6453), (120, 6486), (129, 6504), (131, 6510), (134, 6522), (141, 6540), (146, 6549), (153, 6573), (157, 6600), (158, 6603), (164, 6621),

Gene: KingJulian_8 Start: 6447, Stop: 6779, Start Num: 51
Candidate Starts for KingJulian_8:
(Start: 51 @6447 has 284 MA's), (62, 6471), (66, 6489), (76, 6528), (81, 6549), (88, 6564), (95, 6582), (104, 6600), (115, 6624), (123, 6642), (129, 6654), (131, 6660), (141, 6690), (153, 6723),

Gene: KingMidas_8 Start: 6443, Stop: 6772, Start Num: 51

Candidate Starts for KingMidas_8:
(8, 6173), (24, 6350), (Start: 51 @6443 has 284 MA's), (62, 6467), (71, 6506), (79, 6539), (87, 6551), (91, 6572), (95, 6578), (98, 6581), (105, 6599), (120, 6632), (129, 6650), (131, 6656), (134, 6668), (141, 6686), (146, 6695), (153, 6719), (157, 6746), (158, 6749), (164, 6767),

Gene: Kingsley_9 Start: 6295, Stop: 6624, Start Num: 51
Candidate Starts for Kingsley_9:
(Start: 51 @6295 has 284 MA's), (62, 6319), (79, 6391), (87, 6403), (91, 6424), (95, 6430), (98, 6433), (105, 6451), (120, 6484), (129, 6502), (131, 6508), (134, 6520), (141, 6538), (146, 6547), (153, 6571), (157, 6598), (158, 6601), (164, 6619),

Gene: Koella_8 Start: 6443, Stop: 6772, Start Num: 51
Candidate Starts for Koella_8:
(8, 6173), (24, 6350), (Start: 51 @6443 has 284 MA's), (62, 6467), (71, 6506), (79, 6539), (87, 6551), (91, 6572), (95, 6578), (98, 6581), (105, 6599), (120, 6632), (129, 6650), (131, 6656), (134, 6668), (141, 6686), (146, 6695), (153, 6719), (157, 6746), (158, 6749), (164, 6767),

Gene: Krakatau_9 Start: 7098, Stop: 7430, Start Num: 51
Candidate Starts for Krakatau_9:
(Start: 51 @7098 has 284 MA's), (62, 7122), (66, 7140), (76, 7179), (81, 7200), (88, 7215), (95, 7233), (104, 7251), (115, 7275), (123, 7293), (129, 7305), (131, 7311), (141, 7341), (153, 7374),

Gene: KristaRAM_9 Start: 7094, Stop: 7426, Start Num: 51
Candidate Starts for KristaRAM_9:
(Start: 51 @7094 has 284 MA's), (62, 7118), (66, 7136), (76, 7175), (81, 7196), (88, 7211), (95, 7229), (104, 7247), (115, 7271), (120, 7283), (123, 7289), (129, 7301), (131, 7307), (141, 7337), (153, 7370),

Gene: Kumotta_10 Start: 7839, Stop: 8171, Start Num: 50
Candidate Starts for Kumotta_10:
(Start: 50 @7839 has 19 MA's), (Start: 55 @7848 has 8 MA's), (59, 7860), (60, 7863), (102, 8004), (107, 8019), (130, 8064), (146, 8088), (161, 8151), (164, 8160),

Gene: Kuwabara_10 Start: 6791, Stop: 7132, Start Num: 51
Candidate Starts for Kuwabara_10:
(29, 6716), (41, 6758), (Start: 51 @6791 has 284 MA's), (62, 6812), (69, 6842), (111, 6956), (113, 6959), (116, 6965), (129, 6998), (145, 7043), (158, 7103), (161, 7112), (163, 7118), (164, 7121),

Gene: LastJedi_8 Start: 6435, Stop: 6764, Start Num: 51
Candidate Starts for LastJedi_8:
(8, 6165), (24, 6342), (Start: 51 @6435 has 284 MA's), (62, 6459), (71, 6498), (79, 6531), (87, 6543), (91, 6564), (95, 6570), (98, 6573), (105, 6591), (120, 6624), (129, 6642), (131, 6648), (141, 6678), (146, 6687), (153, 6711), (157, 6738), (158, 6741), (164, 6759),

Gene: LastNadiia_14 Start: 9421, Stop: 9753, Start Num: 55
Candidate Starts for LastNadiia_14:
(Start: 55 @9421 has 8 MA's),

Gene: Latretium_8 Start: 6432, Stop: 6761, Start Num: 51
Candidate Starts for Latretium_8:
(Start: 51 @6432 has 284 MA's), (62, 6456), (71, 6495), (79, 6528), (87, 6540), (91, 6561), (95, 6567), (98, 6570), (105, 6588), (120, 6621), (129, 6639), (131, 6645), (141, 6675), (146, 6684), (153, 6708), (157, 6735), (158, 6738), (164, 6756),

Gene: Lauer_9 Start: 6750, Stop: 7091, Start Num: 54
Candidate Starts for Lauer_9:
(Start: 54 @6750 has 66 MA's), (66, 6786), (108, 6909), (117, 6924),

Gene: Leozinho_9 Start: 6296, Stop: 6625, Start Num: 51
Candidate Starts for Leozinho_9:
(Start: 51 @6296 has 284 MA's), (62, 6320), (71, 6359), (79, 6392), (87, 6404), (91, 6425), (95, 6431), (98, 6434), (105, 6452), (120, 6485), (129, 6503), (131, 6509), (134, 6521), (141, 6539), (146, 6548), (153, 6572), (157, 6599), (158, 6602), (164, 6620),

Gene: Leperchaun_8 Start: 6432, Stop: 6761, Start Num: 51
Candidate Starts for Leperchaun_8:
(8, 6162), (24, 6339), (Start: 51 @6432 has 284 MA's), (62, 6456), (71, 6495), (79, 6528), (87, 6540), (91, 6561), (95, 6567), (98, 6570), (105, 6588), (120, 6621), (129, 6639), (131, 6645), (134, 6657), (141, 6675), (146, 6684), (153, 6708), (157, 6735), (158, 6738), (164, 6756),

Gene: Leroy_10 Start: 6481, Stop: 6828, Start Num: 49
Candidate Starts for Leroy_10:
(39, 6445), (Start: 49 @6481 has 21 MA's), (64, 6520), (73, 6562), (102, 6634), (111, 6655), (113, 6658), (126, 6691), (137, 6718), (143, 6736), (155, 6787), (159, 6802), (161, 6808), (164, 6817),

Gene: LilMoolah_8 Start: 6444, Stop: 6773, Start Num: 51
Candidate Starts for LilMoolah_8:
(8, 6174), (24, 6351), (Start: 51 @6444 has 284 MA's), (62, 6468), (71, 6507), (79, 6540), (87, 6552), (91, 6573), (95, 6579), (98, 6582), (105, 6600), (120, 6633), (129, 6651), (131, 6657), (134, 6669), (141, 6687), (146, 6696), (153, 6720), (157, 6747), (158, 6750), (164, 6768),

Gene: LilSpotty_9 Start: 6468, Stop: 6830, Start Num: 51
Candidate Starts for LilSpotty_9:
(Start: 51 @6468 has 284 MA's), (65, 6504), (74, 6543), (81, 6570), (87, 6576), (91, 6597), (94, 6600), (118, 6648), (125, 6669), (129, 6672), (131, 6678), (138, 6702), (147, 6750), (159, 6804), (164, 6819),

Gene: Lilas_10 Start: 7484, Stop: 7831, Start Num: 51
Candidate Starts for Lilas_10:
(Start: 51 @7484 has 284 MA's), (85, 7592), (142, 7739), (161, 7811),

Gene: LisoBros_9 Start: 6471, Stop: 6812, Start Num: 53
Candidate Starts for LisoBros_9:
(Start: 53 @6471 has 6 MA's), (66, 6513), (73, 6546), (80, 6573), (113, 6636), (116, 6642), (129, 6672), (150, 6738), (159, 6786), (164, 6801),

Gene: LitninMcQueen_10 Start: 6485, Stop: 6832, Start Num: 49
Candidate Starts for LitninMcQueen_10:
(39, 6449), (Start: 49 @6485 has 21 MA's), (64, 6524), (111, 6659), (113, 6662), (126, 6695), (143, 6740), (155, 6791), (159, 6806), (164, 6821),

Gene: LittleShirley_9 Start: 6297, Stop: 6626, Start Num: 51
Candidate Starts for LittleShirley_9:
(Start: 51 @6297 has 284 MA's), (62, 6321), (71, 6360), (79, 6393), (87, 6405), (91, 6426), (95, 6432), (98, 6435), (105, 6453), (120, 6486), (129, 6504), (131, 6510), (134, 6522), (141, 6540), (146, 6549), (153, 6573), (157, 6600), (158, 6603), (164, 6621),

Gene: Lizziana_8 Start: 6445, Stop: 6774, Start Num: 51

Candidate Starts for Lizziana_8:
(8, 6175), (24, 6352), (Start: 51 @6445 has 284 MA's), (62, 6469), (71, 6508), (79, 6541), (87, 6553), (91, 6574), (95, 6580), (98, 6583), (105, 6601), (120, 6634), (129, 6652), (131, 6658), (134, 6670), (141, 6688), (146, 6697), (153, 6721), (155, 6739), (157, 6748), (158, 6751), (164, 6769),

Gene: Llama_8 Start: 6442, Stop: 6771, Start Num: 51
Candidate Starts for Llama_8:
(8, 6172), (24, 6349), (Start: 51 @6442 has 284 MA's), (62, 6466), (71, 6505), (79, 6538), (87, 6550), (91, 6571), (95, 6577), (98, 6580), (105, 6598), (120, 6631), (129, 6649), (131, 6655), (141, 6685), (146, 6694), (153, 6718), (157, 6745), (158, 6748), (164, 6766),

Gene: Llij_8 Start: 6460, Stop: 6789, Start Num: 51
Candidate Starts for Llij_8:
(8, 6190), (24, 6367), (Start: 51 @6460 has 284 MA's), (62, 6484), (71, 6523), (79, 6556), (87, 6568), (91, 6589), (95, 6595), (98, 6598), (105, 6616), (120, 6649), (129, 6667), (131, 6673), (134, 6685), (141, 6703), (146, 6712), (153, 6736), (157, 6763), (158, 6766), (164, 6784),

Gene: LonelyBoi_10 Start: 7331, Stop: 7678, Start Num: 51
Candidate Starts for LonelyBoi_10:
(Start: 51 @7331 has 284 MA's), (85, 7439), (142, 7586), (161, 7658),

Gene: LongHai_13 Start: 8524, Stop: 8898, Start Num: 46
Candidate Starts for LongHai_13:
(Start: 46 @8524 has 3 MA's), (62, 8563), (79, 8635), (119, 8731), (158, 8863), (162, 8875),

Gene: LordVader_9 Start: 6291, Stop: 6620, Start Num: 51
Candidate Starts for LordVader_9:
(Start: 51 @6291 has 284 MA's), (62, 6315), (71, 6354), (79, 6387), (91, 6420), (98, 6429), (105, 6447), (120, 6480), (129, 6498), (131, 6504), (134, 6516), (141, 6534), (146, 6543), (153, 6567), (157, 6594), (158, 6597), (164, 6615),

Gene: Lorde_9 Start: 6296, Stop: 6625, Start Num: 51
Candidate Starts for Lorde_9:
(Start: 51 @6296 has 284 MA's), (62, 6320), (71, 6359), (79, 6392), (87, 6404), (91, 6425), (95, 6431), (98, 6434), (105, 6452), (120, 6485), (129, 6503), (131, 6509), (141, 6539), (146, 6548), (153, 6572), (157, 6599), (158, 6602), (164, 6620),

Gene: Lucia_9 Start: 6296, Stop: 6625, Start Num: 51
Candidate Starts for Lucia_9:
(Start: 51 @6296 has 284 MA's), (62, 6320), (71, 6359), (79, 6392), (87, 6404), (91, 6425), (95, 6431), (98, 6434), (105, 6452), (120, 6485), (129, 6503), (131, 6509), (141, 6539), (146, 6548), (153, 6572), (157, 6599), (158, 6602), (164, 6620),

Gene: Lucky10_9 Start: 6000, Stop: 6341, Start Num: 51
Candidate Starts for Lucky10_9:
(47, 5988), (Start: 51 @6000 has 284 MA's), (78, 6093), (89, 6126), (113, 6168), (118, 6180), (129, 6207), (134, 6225), (135, 6228), (163, 6327), (164, 6330),

Gene: LunaBlu_8 Start: 6420, Stop: 6752, Start Num: 51
Candidate Starts for LunaBlu_8:
(Start: 51 @6420 has 284 MA's), (62, 6444), (66, 6462), (76, 6501), (81, 6522), (95, 6555), (104, 6573), (115, 6597), (120, 6609), (123, 6615), (129, 6627), (131, 6633), (141, 6663), (153, 6696),

Gene: LunaStella_9 Start: 6903, Stop: 7235, Start Num: 51
Candidate Starts for LunaStella_9:
(Start: 51 @6903 has 284 MA's), (62, 6927), (76, 6987), (81, 7008), (87, 7014), (109, 7074), (115, 7083), (118, 7089), (121, 7095), (146, 7155), (147, 7158), (161, 7218), (164, 7227),

Gene: Lutum_10 Start: 6480, Stop: 6827, Start Num: 49
Candidate Starts for Lutum_10:
(39, 6444), (Start: 49 @6480 has 21 MA's), (64, 6519), (73, 6561), (111, 6654), (113, 6657), (126, 6690), (143, 6735), (159, 6801), (164, 6816),

Gene: MAnor_10 Start: 6691, Stop: 7032, Start Num: 54
Candidate Starts for MAnor_10:
(Start: 54 @6691 has 66 MA's), (66, 6727), (108, 6850), (117, 6865), (135, 6913), (161, 7012),

Gene: MScarn_12 Start: 6901, Stop: 7242, Start Num: 54
Candidate Starts for MScarn_12:
(Start: 54 @6901 has 66 MA's), (89, 7024), (148, 7165), (159, 7216), (161, 7222),

Gene: MaVan_12 Start: 7820, Stop: 8170, Start Num: 54
Candidate Starts for MaVan_12:
(32, 7760), (45, 7796), (Start: 54 @7820 has 66 MA's), (62, 7838), (68, 7862), (73, 7889), (111, 7985), (118, 8000), (129, 8030), (145, 8084), (158, 8141),

Gene: Maco6_10 Start: 7480, Stop: 7854, Start Num: 46
Candidate Starts for Maco6_10:
(Start: 46 @7480 has 3 MA's), (79, 7591), (119, 7687), (162, 7831),

Gene: MadMen_8 Start: 6459, Stop: 6788, Start Num: 51
Candidate Starts for MadMen_8:
(8, 6189), (24, 6366), (Start: 51 @6459 has 284 MA's), (62, 6483), (71, 6522), (79, 6555), (87, 6567), (91, 6588), (95, 6594), (98, 6597), (105, 6615), (120, 6648), (129, 6666), (131, 6672), (134, 6684), (141, 6702), (146, 6711), (153, 6735), (157, 6762), (158, 6765), (164, 6783),

Gene: Madiba_9 Start: 6294, Stop: 6623, Start Num: 51
Candidate Starts for Madiba_9:
(Start: 51 @6294 has 284 MA's), (62, 6318), (71, 6357), (79, 6390), (87, 6402), (91, 6423), (95, 6429), (98, 6432), (105, 6450), (120, 6483), (129, 6501), (131, 6507), (134, 6519), (141, 6537), (146, 6546), (153, 6570), (157, 6597), (158, 6600), (164, 6618),

Gene: Mahavrat_8 Start: 6432, Stop: 6761, Start Num: 51
Candidate Starts for Mahavrat_8:
(8, 6162), (24, 6339), (Start: 51 @6432 has 284 MA's), (62, 6456), (71, 6495), (79, 6528), (87, 6540), (91, 6561), (95, 6567), (98, 6570), (105, 6588), (120, 6621), (129, 6639), (131, 6645), (134, 6657), (141, 6675), (146, 6684), (153, 6708), (157, 6735), (158, 6738), (164, 6756),

Gene: Maja_9 Start: 7424, Stop: 7792, Start Num: 50
Candidate Starts for Maja_9:
(Start: 50 @7424 has 19 MA's), (Start: 55 @7433 has 8 MA's), (107, 7607), (110, 7610), (129, 7649), (130, 7652), (139, 7685), (146, 7709), (161, 7772), (164, 7781),

Gene: Makima_12 Start: 8520, Stop: 8837, Start Num: 55
Candidate Starts for Makima_12:
(Start: 55 @8520 has 8 MA's), (146, 8769),

Gene: MalagasyRose_16 Start: 9681, Stop: 10070, Start Num: 44
Candidate Starts for MalagasyRose_16:
(Start: 44 @9681 has 2 MA's), (75, 9786), (83, 9816), (100, 9864), (103, 9870), (122, 9906), (128, 9924), (136, 9948), (146, 9984), (150, 9996), (160, 10047),

Gene: Malisha_10 Start: 7530, Stop: 7877, Start Num: 49
Candidate Starts for Malisha_10:
(11, 7341), (16, 7398), (17, 7401), (30, 7479), (39, 7494), (40, 7497), (Start: 49 @7530 has 21 MA's), (64, 7569), (73, 7611), (85, 7644), (111, 7704), (113, 7707), (126, 7740), (143, 7785), (164, 7866),

Gene: Malvina_12 Start: 7725, Stop: 8072, Start Num: 54
Candidate Starts for Malvina_12:
(32, 7671), (Start: 54 @7725 has 66 MA's), (111, 7887), (118, 7902), (142, 7977), (145, 7986),

Gene: Mandlovu_8 Start: 6433, Stop: 6762, Start Num: 51
Candidate Starts for Mandlovu_8:
(8, 6163), (24, 6340), (Start: 51 @6433 has 284 MA's), (62, 6457), (71, 6496), (79, 6529), (87, 6541), (91, 6562), (95, 6568), (98, 6571), (105, 6589), (120, 6622), (129, 6640), (131, 6646), (141, 6676), (146, 6685), (153, 6709), (157, 6736), (158, 6739), (164, 6757),

Gene: Mantra_8 Start: 6460, Stop: 6789, Start Num: 51
Candidate Starts for Mantra_8:
(8, 6190), (24, 6367), (Start: 51 @6460 has 284 MA's), (62, 6484), (71, 6523), (79, 6556), (91, 6589), (95, 6595), (98, 6598), (105, 6616), (120, 6649), (129, 6667), (131, 6673), (134, 6685), (141, 6703), (146, 6712), (153, 6736), (157, 6763), (158, 6766), (164, 6784),

Gene: Maravista_8 Start: 6433, Stop: 6762, Start Num: 51
Candidate Starts for Maravista_8:
(8, 6163), (24, 6340), (Start: 51 @6433 has 284 MA's), (62, 6457), (71, 6496), (79, 6529), (87, 6541), (91, 6562), (95, 6568), (98, 6571), (105, 6589), (120, 6622), (129, 6640), (131, 6646), (134, 6658), (141, 6676), (146, 6685), (153, 6709), (155, 6727), (157, 6736), (158, 6739), (164, 6757),

Gene: Margaret_13 Start: 7641, Stop: 7979, Start Num: 54
Candidate Starts for Margaret_13:
(25, 7551), (26, 7554), (28, 7560), (Start: 54 @7641 has 66 MA's), (66, 7677), (84, 7740), (134, 7860), (161, 7959),

Gene: MargaretKali_10 Start: 7474, Stop: 7806, Start Num: 50
Candidate Starts for MargaretKali_10:
(Start: 50 @7474 has 19 MA's), (Start: 55 @7483 has 8 MA's), (59, 7495), (102, 7639), (107, 7654), (123, 7678), (130, 7699), (161, 7786), (164, 7795),

Gene: Marker_9 Start: 6295, Stop: 6624, Start Num: 51
Candidate Starts for Marker_9:
(Start: 51 @6295 has 284 MA's), (62, 6319), (71, 6358), (79, 6391), (91, 6424), (95, 6430), (98, 6433), (105, 6451), (120, 6484), (129, 6502), (131, 6508), (134, 6520), (141, 6538), (146, 6547), (153, 6571), (157, 6598), (158, 6601), (164, 6619),

Gene: Marteena_10 Start: 7484, Stop: 7831, Start Num: 51
Candidate Starts for Marteena_10:
(Start: 51 @7484 has 284 MA's), (85, 7592), (142, 7739), (161, 7811),

Gene: Martik_8 Start: 6445, Stop: 6774, Start Num: 51
Candidate Starts for Martik_8:
(8, 6175), (24, 6352), (Start: 51 @6445 has 284 MA's), (62, 6469), (71, 6508), (79, 6541), (87, 6553), (91, 6574), (95, 6580), (98, 6583), (105, 6601), (120, 6634), (129, 6652), (131, 6658), (134, 6670), (141, 6688), (146, 6697), (153, 6721), (155, 6739), (157, 6748), (158, 6751), (164, 6769),

Gene: Mattes_8 Start: 6435, Stop: 6764, Start Num: 51
Candidate Starts for Mattes_8:
(8, 6165), (24, 6342), (Start: 51 @6435 has 284 MA's), (62, 6459), (71, 6498), (79, 6531), (87, 6543), (91, 6564), (95, 6570), (98, 6573), (105, 6591), (120, 6624), (129, 6642), (131, 6648), (141, 6678), (146, 6687), (153, 6711), (157, 6738), (158, 6741), (164, 6759),

Gene: Mayweather_11 Start: 7324, Stop: 7665, Start Num: 54
Candidate Starts for Mayweather_11:
(Start: 54 @7324 has 66 MA's), (66, 7360), (108, 7483), (117, 7498), (135, 7546), (161, 7645),

Gene: Medindi_8 Start: 6435, Stop: 6767, Start Num: 51
Candidate Starts for Medindi_8:
(Start: 51 @6435 has 284 MA's), (62, 6459), (66, 6477), (76, 6516), (81, 6537), (88, 6552), (95, 6570), (104, 6588), (115, 6612), (123, 6630), (129, 6642), (131, 6648), (141, 6678), (153, 6711),

Gene: Melissauren88_8 Start: 6446, Stop: 6778, Start Num: 51
Candidate Starts for Melissauren88_8:
(Start: 51 @6446 has 284 MA's), (62, 6470), (66, 6488), (76, 6527), (81, 6548), (88, 6563), (95, 6581), (104, 6599), (115, 6623), (123, 6641), (129, 6653), (131, 6659), (141, 6689), (153, 6722),

Gene: MilanaBonita_9 Start: 7094, Stop: 7426, Start Num: 51
Candidate Starts for MilanaBonita_9:
(Start: 51 @7094 has 284 MA's), (62, 7118), (66, 7136), (76, 7175), (81, 7196), (88, 7211), (95, 7229), (104, 7247), (115, 7271), (120, 7283), (123, 7289), (129, 7301), (131, 7307), (141, 7337), (153, 7370),

Gene: MilleniumForce_9 Start: 7094, Stop: 7426, Start Num: 51
Candidate Starts for MilleniumForce_9:
(Start: 51 @7094 has 284 MA's), (62, 7118), (66, 7136), (76, 7175), (81, 7196), (88, 7211), (95, 7229), (104, 7247), (115, 7271), (120, 7283), (123, 7289), (129, 7301), (131, 7307), (141, 7337), (153, 7370),

Gene: MinionDave_9 Start: 7094, Stop: 7426, Start Num: 51
Candidate Starts for MinionDave_9:
(Start: 51 @7094 has 284 MA's), (62, 7118), (66, 7136), (76, 7175), (81, 7196), (88, 7211), (95, 7229), (104, 7247), (115, 7271), (123, 7289), (129, 7301), (131, 7307), (141, 7337), (153, 7370),

Gene: Minnie_8 Start: 6460, Stop: 6789, Start Num: 51
Candidate Starts for Minnie_8:
(8, 6190), (24, 6367), (Start: 51 @6460 has 284 MA's), (62, 6484), (71, 6523), (79, 6556), (87, 6568), (91, 6589), (95, 6595), (98, 6598), (105, 6616), (120, 6649), (129, 6667), (131, 6673), (134, 6685), (141, 6703), (146, 6712), (153, 6736), (157, 6763), (158, 6766), (164, 6784),

Gene: Mireles_11 Start: 6916, Stop: 7233, Start Num: 55
Candidate Starts for Mireles_11:
(48, 6901), (Start: 55 @6916 has 8 MA's), (146, 7165),

Gene: Misha28_9 Start: 6299, Stop: 6628, Start Num: 51
Candidate Starts for Misha28_9:

(Start: 51 @6299 has 284 MA's), (62, 6323), (71, 6362), (79, 6395), (87, 6407), (91, 6428), (95, 6434), (98, 6437), (105, 6455), (115, 6476), (120, 6488), (129, 6506), (131, 6512), (134, 6524), (141, 6542), (146, 6551), (153, 6575), (157, 6602), (158, 6605), (164, 6623),

Gene: MisterCuddles_8 Start: 6449, Stop: 6778, Start Num: 51
Candidate Starts for MisterCuddles_8:
(Start: 51 @6449 has 284 MA's), (62, 6473), (71, 6512), (79, 6545), (87, 6557), (91, 6578), (95, 6584), (98, 6587), (105, 6605), (120, 6638), (129, 6656), (131, 6662), (141, 6692), (146, 6701), (153, 6725), (157, 6752), (158, 6755), (164, 6773),

Gene: Modragons_8 Start: 6442, Stop: 6771, Start Num: 51
Candidate Starts for Modragons_8:
(8, 6172), (24, 6349), (Start: 51 @6442 has 284 MA's), (62, 6466), (71, 6505), (79, 6538), (87, 6550), (91, 6571), (95, 6577), (98, 6580), (105, 6598), (120, 6631), (129, 6649), (131, 6655), (141, 6685), (146, 6694), (153, 6718), (157, 6745), (158, 6748), (164, 6766),

Gene: Moonbeam_8 Start: 6445, Stop: 6774, Start Num: 51
Candidate Starts for Moonbeam_8:
(8, 6175), (24, 6352), (Start: 51 @6445 has 284 MA's), (62, 6469), (71, 6508), (79, 6541), (91, 6574), (95, 6580), (98, 6583), (105, 6601), (120, 6634), (129, 6652), (131, 6658), (134, 6670), (141, 6688), (146, 6697), (153, 6721), (157, 6748), (158, 6751), (164, 6769),

Gene: Morkie_9 Start: 5962, Stop: 6303, Start Num: 51
Candidate Starts for Morkie_9:
(15, 5809), (38, 5917), (47, 5950), (Start: 51 @5962 has 284 MA's), (78, 6055), (113, 6130), (118, 6142), (129, 6169), (134, 6187), (163, 6289), (164, 6292),

Gene: Morrey_15 Start: 8142, Stop: 8474, Start Num: 50
Candidate Starts for Morrey_15:
(Start: 50 @8142 has 19 MA's), (Start: 55 @8151 has 8 MA's),

Gene: MortyNRick_10 Start: 6791, Stop: 7132, Start Num: 51
Candidate Starts for MortyNRick_10:
(29, 6716), (41, 6758), (Start: 51 @6791 has 284 MA's), (62, 6812), (69, 6842), (111, 6956), (113, 6959), (116, 6965), (120, 6977), (145, 7043), (161, 7112), (163, 7118), (164, 7121),

Gene: Mova_9 Start: 6298, Stop: 6627, Start Num: 51
Candidate Starts for Mova_9:
(Start: 51 @6298 has 284 MA's), (62, 6322), (71, 6361), (79, 6394), (87, 6406), (91, 6427), (95, 6433), (98, 6436), (105, 6454), (115, 6475), (120, 6487), (129, 6505), (131, 6511), (134, 6523), (141, 6541), (146, 6550), (153, 6574), (157, 6601), (158, 6604), (164, 6622),

Gene: Mozy_9 Start: 6294, Stop: 6626, Start Num: 51
Candidate Starts for Mozy_9:
(Start: 51 @6294 has 284 MA's), (62, 6318), (66, 6336), (81, 6396), (88, 6411), (104, 6447), (115, 6471), (120, 6483), (123, 6489), (129, 6501), (131, 6507), (141, 6537), (153, 6570),

Gene: Ms6_8 Start: 6446, Stop: 6778, Start Num: 51
Candidate Starts for Ms6_8:
(Start: 51 @6446 has 284 MA's), (62, 6470), (66, 6488), (76, 6527), (81, 6548), (88, 6563), (95, 6581), (104, 6599), (115, 6623), (120, 6635), (123, 6641), (129, 6653), (131, 6659), (141, 6689), (153, 6722),

Gene: Muddy_12 Start: 8430, Stop: 8804, Start Num: 46

Candidate Starts for Muddy_12:
(Start: 46 @8430 has 3 MA's), (79, 8541), (119, 8637), (162, 8781), (165, 8796),

Gene: MulchExplorer_9 Start: 6297, Stop: 6626, Start Num: 51
Candidate Starts for MulchExplorer_9:
(Start: 51 @6297 has 284 MA's), (62, 6321), (71, 6360), (79, 6393), (87, 6405), (91, 6426), (95, 6432), (98, 6435), (105, 6453), (120, 6486), (129, 6504), (131, 6510), (134, 6522), (141, 6540), (146, 6549), (153, 6573), (157, 6600), (158, 6603), (164, 6621),

Gene: MulchSalad_8 Start: 6446, Stop: 6775, Start Num: 51
Candidate Starts for MulchSalad_8:
(8, 6176), (24, 6353), (Start: 51 @6446 has 284 MA's), (62, 6470), (71, 6509), (79, 6542), (87, 6554), (91, 6575), (95, 6581), (98, 6584), (105, 6602), (120, 6635), (129, 6653), (131, 6659), (141, 6689), (146, 6698), (153, 6722), (157, 6749), (158, 6752), (164, 6770),

Gene: MunkgeeRoachy_10 Start: 6971, Stop: 7312, Start Num: 54
Candidate Starts for MunkgeeRoachy_10:
(Start: 54 @6971 has 66 MA's), (58, 6980), (73, 7040), (111, 7133), (137, 7196), (148, 7235),

Gene: Mutaforma13_8 Start: 6446, Stop: 6778, Start Num: 51
Candidate Starts for Mutaforma13_8:
(Start: 51 @6446 has 284 MA's), (61, 6467), (62, 6470), (71, 6509), (81, 6548), (95, 6581), (98, 6584), (112, 6617), (115, 6623), (129, 6653), (131, 6659), (141, 6689), (153, 6722), (157, 6749), (161, 6761), (164, 6770),

Gene: Mwanjiwa_8 Start: 6418, Stop: 6747, Start Num: 51
Candidate Starts for Mwanjiwa_8:
(Start: 51 @6418 has 284 MA's), (62, 6442), (71, 6481), (79, 6514), (87, 6526), (91, 6547), (95, 6553), (98, 6556), (105, 6574), (120, 6607), (129, 6625), (131, 6631), (141, 6661), (146, 6670), (153, 6694), (157, 6721), (158, 6724), (164, 6742),

Gene: Nebkiss_7 Start: 7029, Stop: 7367, Start Num: 51
Candidate Starts for Nebkiss_7:
(Start: 51 @7029 has 284 MA's), (61, 7050), (62, 7053), (81, 7131), (87, 7137), (93, 7158), (94, 7161), (99, 7170), (119, 7212), (137, 7257), (146, 7284), (147, 7287), (158, 7338), (164, 7356),

Gene: Nergal_14 Start: 10144, Stop: 10533, Start Num: 44
Candidate Starts for Nergal_14:
(4, 9859), (Start: 44 @10144 has 2 MA's), (83, 10279), (86, 10285), (100, 10327), (103, 10333), (146, 10447), (150, 10459),

Gene: Neuvillette_11 Start: 7129, Stop: 7464, Start Num: 53
Candidate Starts for Neuvillette_11:
(Start: 53 @7129 has 6 MA's), (63, 7159), (146, 7381),

Gene: NewHope4_8 Start: 6420, Stop: 6752, Start Num: 51
Candidate Starts for NewHope4_8:
(Start: 51 @6420 has 284 MA's), (62, 6444), (66, 6462), (76, 6501), (81, 6522), (95, 6555), (104, 6573), (115, 6597), (120, 6609), (123, 6615), (129, 6627), (131, 6633), (141, 6663), (153, 6696),

Gene: Nibbles_12 Start: 7820, Stop: 8170, Start Num: 54
Candidate Starts for Nibbles_12:

(32, 7760), (45, 7796), (Start: 54 @7820 has 66 MA's), (62, 7838), (68, 7862), (73, 7889), (111, 7985), (118, 8000), (129, 8030), (145, 8084), (158, 8141),

Gene: Nichirin_8 Start: 6442, Stop: 6771, Start Num: 51
Candidate Starts for Nichirin_8:
(8, 6172), (24, 6349), (Start: 51 @6442 has 284 MA's), (62, 6466), (71, 6505), (79, 6538), (87, 6550), (91, 6571), (95, 6577), (98, 6580), (105, 6598), (120, 6631), (129, 6649), (131, 6655), (141, 6685), (146, 6694), (153, 6718), (157, 6745), (158, 6748), (164, 6766),

Gene: Nimbo_8 Start: 6443, Stop: 6772, Start Num: 51
Candidate Starts for Nimbo_8:
(8, 6173), (24, 6350), (Start: 51 @6443 has 284 MA's), (62, 6467), (71, 6506), (79, 6539), (87, 6551), (91, 6572), (95, 6578), (98, 6581), (105, 6599), (120, 6632), (129, 6650), (131, 6656), (134, 6668), (141, 6686), (146, 6695), (153, 6719), (157, 6746), (158, 6749), (164, 6767),

Gene: Nina_11 Start: 7957, Stop: 8298, Start Num: 54
Candidate Starts for Nina_11:
(Start: 54 @7957 has 66 MA's), (58, 7966), (73, 8026), (111, 8119), (142, 8203), (148, 8221),

Gene: Nitzel_9 Start: 7096, Stop: 7425, Start Num: 51
Candidate Starts for Nitzel_9:
(8, 6826), (24, 7003), (Start: 51 @7096 has 284 MA's), (62, 7120), (71, 7159), (79, 7192), (91, 7225), (95, 7231), (98, 7234), (105, 7252), (120, 7285), (129, 7303), (131, 7309), (134, 7321), (141, 7339), (146, 7348), (153, 7372), (157, 7399), (158, 7402), (164, 7420),

Gene: Nivrat_8 Start: 6444, Stop: 6773, Start Num: 51
Candidate Starts for Nivrat_8:
(8, 6174), (24, 6351), (Start: 51 @6444 has 284 MA's), (62, 6468), (71, 6507), (79, 6540), (87, 6552), (91, 6573), (95, 6579), (98, 6582), (105, 6600), (120, 6633), (129, 6651), (131, 6657), (134, 6669), (141, 6687), (146, 6696), (153, 6720), (155, 6738), (157, 6747), (158, 6750), (164, 6768),

Gene: NoShow_10 Start: 7573, Stop: 7956, Start Num: 43
Candidate Starts for NoShow_10:
(13, 7408), (21, 7483), (27, 7513), (Start: 43 @7573 has 1 MA's), (57, 7603), (73, 7666), (81, 7693), (111, 7771), (113, 7774), (116, 7780), (119, 7789), (137, 7834), (164, 7933),

Gene: NoSwimming_11 Start: 9047, Stop: 9415, Start Num: 50
Candidate Starts for NoSwimming_11:
(2, 8651), (14, 8879), (Start: 50 @9047 has 19 MA's), (Start: 55 @9056 has 8 MA's), (130, 9275), (146, 9332),

Gene: Nodigi_12 Start: 7925, Stop: 8263, Start Num: 54
Candidate Starts for Nodigi_12:
(3, 7541), (5, 7628), (26, 7841), (Start: 54 @7925 has 66 MA's), (84, 8024), (134, 8144), (135, 8147), (159, 8237), (161, 8243),

Gene: NormanBulbieJr_8 Start: 6431, Stop: 6760, Start Num: 51
Candidate Starts for NormanBulbieJr_8:
(8, 6161), (24, 6338), (Start: 51 @6431 has 284 MA's), (62, 6455), (71, 6494), (79, 6527), (87, 6539), (91, 6560), (95, 6566), (98, 6569), (105, 6587), (120, 6620), (129, 6638), (131, 6644), (134, 6656), (141, 6674), (146, 6683), (153, 6707), (157, 6734), (158, 6737), (164, 6755),

Gene: ODay_10 Start: 6511, Stop: 6858, Start Num: 50

Candidate Starts for ODay_10:
(6, 6226), (9, 6259), (33, 6460), (Start: 50 @6511 has 19 MA's), (85, 6622), (120, 6703), (129, 6724), (134, 6742), (145, 6769), (163, 6841), (164, 6844),

Gene: Ochi17_8 Start: 6442, Stop: 6771, Start Num: 51
Candidate Starts for Ochi17_8:
(8, 6172), (24, 6349), (Start: 51 @6442 has 284 MA's), (62, 6466), (71, 6505), (79, 6538), (87, 6550), (91, 6571), (95, 6577), (98, 6580), (105, 6598), (120, 6631), (129, 6649), (131, 6655), (141, 6685), (146, 6694), (153, 6718), (157, 6745), (158, 6748), (164, 6766),

Gene: OfUltron_8 Start: 6442, Stop: 6771, Start Num: 51
Candidate Starts for OfUltron_8:
(8, 6172), (24, 6349), (Start: 51 @6442 has 284 MA's), (62, 6466), (71, 6505), (79, 6538), (87, 6550), (91, 6571), (95, 6577), (98, 6580), (105, 6598), (120, 6631), (129, 6649), (131, 6655), (141, 6685), (146, 6694), (153, 6718), (157, 6745), (158, 6748), (164, 6766),

Gene: Ogopogo_11 Start: 6698, Stop: 7027, Start Num: 51
Candidate Starts for Ogopogo_11:
(31, 6647), (35, 6653), (Start: 51 @6698 has 284 MA's), (62, 6722), (71, 6761), (79, 6794), (91, 6827), (95, 6833), (98, 6836), (105, 6854), (120, 6887), (129, 6905), (131, 6911), (134, 6923), (141, 6941), (146, 6950), (153, 6974), (157, 7001), (158, 7004), (164, 7022),

Gene: Okabe_10 Start: 7106, Stop: 7435, Start Num: 51
Candidate Starts for Okabe_10:
(8, 6836), (24, 7013), (Start: 51 @7106 has 284 MA's), (62, 7130), (71, 7169), (79, 7202), (87, 7214), (91, 7235), (95, 7241), (98, 7244), (105, 7262), (120, 7295), (129, 7313), (131, 7319), (141, 7349), (146, 7358), (153, 7382), (157, 7409), (158, 7412), (164, 7430),

Gene: Oksu_9 Start: 6297, Stop: 6626, Start Num: 51
Candidate Starts for Oksu_9:
(Start: 51 @6297 has 284 MA's), (62, 6321), (71, 6360), (79, 6393), (87, 6405), (91, 6426), (95, 6432), (98, 6435), (105, 6453), (120, 6486), (129, 6504), (131, 6510), (141, 6540), (146, 6549), (153, 6573), (157, 6600), (158, 6603), (164, 6621),

Gene: OldBen_8 Start: 6443, Stop: 6772, Start Num: 51
Candidate Starts for OldBen_8:
(8, 6173), (24, 6350), (Start: 51 @6443 has 284 MA's), (62, 6467), (71, 6506), (79, 6539), (87, 6551), (91, 6572), (95, 6578), (98, 6581), (105, 6599), (120, 6632), (129, 6650), (131, 6656), (134, 6668), (141, 6686), (146, 6695), (153, 6719), (157, 6746), (158, 6749), (164, 6767),

Gene: OlympiaSaint_8 Start: 6444, Stop: 6773, Start Num: 51
Candidate Starts for OlympiaSaint_8:
(8, 6174), (24, 6351), (Start: 51 @6444 has 284 MA's), (62, 6468), (71, 6507), (79, 6540), (91, 6573), (95, 6579), (98, 6582), (105, 6600), (120, 6633), (129, 6651), (131, 6657), (134, 6669), (141, 6687), (146, 6696), (153, 6720), (157, 6747), (158, 6750), (164, 6768),

Gene: Orla_12 Start: 7929, Stop: 8267, Start Num: 54
Candidate Starts for Orla_12:
(5, 7632), (26, 7845), (Start: 54 @7929 has 66 MA's), (84, 8028), (134, 8148), (135, 8151), (159, 8241), (161, 8247),

Gene: Ovechkin_8 Start: 6446, Stop: 6778, Start Num: 51
Candidate Starts for Ovechkin_8:

(Start: 51 @6446 has 284 MA's), (62, 6470), (66, 6488), (76, 6527), (81, 6548), (88, 6563), (95, 6581), (104, 6599), (115, 6623), (123, 6641), (129, 6653), (131, 6659), (141, 6689), (153, 6722),

Gene: OwlsT2W_9 Start: 6296, Stop: 6625, Start Num: 51
Candidate Starts for OwlsT2W_9:
(Start: 51 @6296 has 284 MA's), (62, 6320), (71, 6359), (79, 6392), (87, 6404), (91, 6425), (95, 6431), (98, 6434), (105, 6452), (120, 6485), (129, 6503), (131, 6509), (134, 6521), (141, 6539), (146, 6548), (153, 6572), (157, 6599), (158, 6602), (164, 6620),

Gene: PFR1_07 Start: 6932, Stop: 7273, Start Num: 49
Candidate Starts for PFR1_07:
(22, 6845), (Start: 49 @6932 has 21 MA's), (56, 6950), (73, 7010), (78, 7028), (82, 7037), (106, 7091), (107, 7094), (116, 7106), (119, 7115), (121, 7118), (125, 7130), (127, 7136), (145, 7196), (151, 7217), (156, 7241),

Gene: PFR2_07 Start: 6932, Stop: 7273, Start Num: 49
Candidate Starts for PFR2_07:
(22, 6845), (Start: 49 @6932 has 21 MA's), (56, 6950), (73, 7010), (78, 7028), (82, 7037), (106, 7091), (107, 7094), (116, 7106), (119, 7115), (121, 7118), (125, 7130), (127, 7136), (145, 7196), (151, 7217), (156, 7241),

Gene: PHappiness_8 Start: 6443, Stop: 6772, Start Num: 51
Candidate Starts for PHappiness_8:
(8, 6173), (24, 6350), (Start: 51 @6443 has 284 MA's), (62, 6467), (71, 6506), (79, 6539), (87, 6551), (91, 6572), (95, 6578), (98, 6581), (105, 6599), (120, 6632), (129, 6650), (131, 6656), (134, 6668), (141, 6686), (146, 6695), (153, 6719), (157, 6746), (158, 6749), (164, 6767),

Gene: PMC_8 Start: 6460, Stop: 6789, Start Num: 51
Candidate Starts for PMC_8:
(8, 6190), (24, 6367), (Start: 51 @6460 has 284 MA's), (62, 6484), (71, 6523), (79, 6556), (87, 6568), (91, 6589), (95, 6595), (98, 6598), (105, 6616), (120, 6649), (129, 6667), (131, 6673), (134, 6685), (141, 6703), (146, 6712), (153, 6736), (157, 6763), (158, 6766), (164, 6784),

Gene: Pacc40_8 Start: 6443, Stop: 6772, Start Num: 51
Candidate Starts for Pacc40_8:
(8, 6173), (24, 6350), (Start: 51 @6443 has 284 MA's), (62, 6467), (71, 6506), (79, 6539), (87, 6551), (91, 6572), (95, 6578), (98, 6581), (105, 6599), (120, 6632), (129, 6650), (131, 6656), (134, 6668), (141, 6686), (146, 6695), (153, 6719), (157, 6746), (158, 6749), (164, 6767),

Gene: PatoPoderoso_8 Start: 6447, Stop: 6779, Start Num: 51
Candidate Starts for PatoPoderoso_8:
(Start: 51 @6447 has 284 MA's), (62, 6471), (66, 6489), (76, 6528), (81, 6549), (88, 6564), (95, 6582), (104, 6600), (115, 6624), (123, 6642), (129, 6654), (131, 6660), (141, 6690), (153, 6723),

Gene: Peridot_9 Start: 6296, Stop: 6625, Start Num: 51
Candidate Starts for Peridot_9:
(Start: 51 @6296 has 284 MA's), (62, 6320), (71, 6359), (79, 6392), (87, 6404), (91, 6425), (95, 6431), (98, 6434), (105, 6452), (120, 6485), (129, 6503), (131, 6509), (134, 6521), (141, 6539), (146, 6548), (153, 6572), (157, 6599), (158, 6602), (164, 6620),

Gene: Periwinkle_10 Start: 6480, Stop: 6827, Start Num: 49
Candidate Starts for Periwinkle_10:

(39, 6444), (Start: 49 @6480 has 21 MA's), (64, 6519), (73, 6561), (102, 6633), (111, 6654), (113, 6657), (126, 6690), (143, 6735), (155, 6786), (164, 6816),

Gene: Phabuloso_10 Start: 6485, Stop: 6832, Start Num: 49
Candidate Starts for Phabuloso_10:
(39, 6449), (Start: 49 @6485 has 21 MA's), (64, 6524), (111, 6659), (113, 6662), (126, 6695), (143, 6740), (155, 6791), (159, 6806), (164, 6821),

Gene: Phalconet_8 Start: 6446, Stop: 6778, Start Num: 51
Candidate Starts for Phalconet_8:
(Start: 51 @6446 has 284 MA's), (62, 6470), (66, 6488), (76, 6527), (81, 6548), (88, 6563), (95, 6581), (104, 6599), (115, 6623), (123, 6641), (129, 6653), (131, 6659), (141, 6689), (153, 6722),

Gene: Phanphagia_8 Start: 6446, Stop: 6778, Start Num: 51
Candidate Starts for Phanphagia_8:
(Start: 51 @6446 has 284 MA's), (62, 6470), (66, 6488), (76, 6527), (81, 6548), (95, 6581), (104, 6599), (115, 6623), (120, 6635), (123, 6641), (129, 6653), (131, 6659), (141, 6689), (149, 6707), (153, 6722),

Gene: Phasih_8 Start: 6459, Stop: 6788, Start Num: 51
Candidate Starts for Phasih_8:
(Start: 51 @6459 has 284 MA's), (62, 6483), (71, 6522), (79, 6555), (87, 6567), (91, 6588), (95, 6594), (98, 6597), (105, 6615), (120, 6648), (129, 6666), (131, 6672), (141, 6702), (146, 6711), (153, 6735), (157, 6762), (158, 6765), (164, 6783),

Gene: Phatniss_8 Start: 6443, Stop: 6772, Start Num: 51
Candidate Starts for Phatniss_8:
(8, 6173), (24, 6350), (Start: 51 @6443 has 284 MA's), (62, 6467), (71, 6506), (79, 6539), (87, 6551), (91, 6572), (95, 6578), (98, 6581), (105, 6599), (120, 6632), (129, 6650), (131, 6656), (134, 6668), (141, 6686), (146, 6695), (153, 6719), (157, 6746), (158, 6749), (164, 6767),

Gene: PhesterPhotato_8 Start: 6446, Stop: 6778, Start Num: 51
Candidate Starts for PhesterPhotato_8:
(Start: 51 @6446 has 284 MA's), (62, 6470), (66, 6488), (76, 6527), (81, 6548), (88, 6563), (95, 6581), (104, 6599), (115, 6623), (123, 6641), (129, 6653), (131, 6659), (141, 6689), (153, 6722),

Gene: Philus_8 Start: 6444, Stop: 6773, Start Num: 51
Candidate Starts for Philus_8:
(8, 6174), (24, 6351), (Start: 51 @6444 has 284 MA's), (62, 6468), (71, 6507), (79, 6540), (87, 6552), (91, 6573), (95, 6579), (98, 6582), (105, 6600), (120, 6633), (129, 6651), (131, 6657), (134, 6669), (141, 6687), (146, 6696), (153, 6720), (155, 6738), (157, 6747), (158, 6750), (164, 6768),

Gene: Phistory_10 Start: 6469, Stop: 6816, Start Num: 49
Candidate Starts for Phistory_10:
(39, 6433), (Start: 49 @6469 has 21 MA's), (64, 6508), (73, 6550), (111, 6643), (113, 6646), (143, 6724), (155, 6775), (159, 6790), (164, 6805),

Gene: PhlipPhlop_8 Start: 6460, Stop: 6789, Start Num: 51
Candidate Starts for PhlipPhlop_8:
(8, 6190), (24, 6367), (Start: 51 @6460 has 284 MA's), (62, 6484), (71, 6523), (79, 6556), (87, 6568), (91, 6589), (95, 6595), (98, 6598), (105, 6616), (120, 6649), (129, 6667), (131, 6673), (134, 6685), (141, 6703), (146, 6712), (153, 6736), (157, 6763), (158, 6766), (164, 6784),

Gene: PhorbesPhlower_9 Start: 5962, Stop: 6303, Start Num: 51

Candidate Starts for PhorbesPhlower_9:
(15, 5809), (38, 5917), (47, 5950), (Start: 51 @5962 has 284 MA's), (78, 6055), (113, 6130), (118, 6142), (129, 6169), (134, 6187), (163, 6289), (164, 6292),

Gene: Pigu_8 Start: 6514, Stop: 6882, Start Num: 50
Candidate Starts for Pigu_8:
(Start: 49 @6511 has 21 MA's), (Start: 50 @6514 has 19 MA's), (Start: 55 @6523 has 8 MA's), (59, 6535), (107, 6694), (134, 6754), (146, 6799), (161, 6862), (164, 6871),

Gene: Piper2020_9 Start: 6298, Stop: 6627, Start Num: 51
Candidate Starts for Piper2020_9:
(Start: 51 @6298 has 284 MA's), (62, 6322), (71, 6361), (79, 6394), (91, 6427), (95, 6433), (98, 6436), (105, 6454), (120, 6487), (129, 6505), (131, 6511), (134, 6523), (141, 6541), (146, 6550), (153, 6574), (155, 6592), (157, 6601), (158, 6604), (164, 6622),

Gene: Pippy_8 Start: 6431, Stop: 6760, Start Num: 51
Candidate Starts for Pippy_8:
(8, 6161), (24, 6338), (Start: 51 @6431 has 284 MA's), (62, 6455), (71, 6494), (79, 6527), (87, 6539), (91, 6560), (95, 6566), (98, 6569), (105, 6587), (120, 6620), (129, 6638), (131, 6644), (134, 6656), (141, 6674), (146, 6683), (153, 6707), (157, 6734), (158, 6737), (164, 6755),

Gene: Plumbus_9 Start: 6297, Stop: 6626, Start Num: 51
Candidate Starts for Plumbus_9:
(Start: 51 @6297 has 284 MA's), (62, 6321), (71, 6360), (79, 6393), (87, 6405), (91, 6426), (95, 6432), (98, 6435), (105, 6453), (120, 6486), (129, 6504), (131, 6510), (134, 6522), (141, 6540), (146, 6549), (153, 6573), (157, 6600), (158, 6603), (164, 6621),

Gene: Poenanya_8 Start: 6443, Stop: 6772, Start Num: 51
Candidate Starts for Poenanya_8:
(8, 6173), (24, 6350), (Start: 51 @6443 has 284 MA's), (62, 6467), (71, 6506), (79, 6539), (87, 6551), (91, 6572), (95, 6578), (98, 6581), (105, 6599), (120, 6632), (129, 6650), (131, 6656), (134, 6668), (141, 6686), (146, 6695), (153, 6719), (157, 6746), (158, 6749), (164, 6767),

Gene: Polka14_8 Start: 6444, Stop: 6773, Start Num: 51
Candidate Starts for Polka14_8:
(8, 6174), (24, 6351), (Start: 51 @6444 has 284 MA's), (62, 6468), (71, 6507), (79, 6540), (87, 6552), (91, 6573), (95, 6579), (98, 6582), (105, 6600), (120, 6633), (129, 6651), (131, 6657), (134, 6669), (141, 6687), (146, 6696), (153, 6720), (157, 6747), (158, 6750), (164, 6768),

Gene: Pollux_10 Start: 7484, Stop: 7831, Start Num: 51
Candidate Starts for Pollux_10:
(Start: 51 @7484 has 284 MA's), (85, 7592), (142, 7739), (161, 7811),

Gene: Pollywog_9 Start: 6296, Stop: 6625, Start Num: 51
Candidate Starts for Pollywog_9:
(Start: 51 @6296 has 284 MA's), (62, 6320), (71, 6359), (79, 6392), (87, 6404), (91, 6425), (95, 6431), (98, 6434), (105, 6452), (120, 6485), (129, 6503), (131, 6509), (134, 6521), (141, 6539), (146, 6548), (153, 6572), (157, 6599), (158, 6602), (164, 6620),

Gene: Polo2Bam_9 Start: 6420, Stop: 6752, Start Num: 51
Candidate Starts for Polo2Bam_9:
(Start: 51 @6420 has 284 MA's), (62, 6444), (66, 6462), (76, 6501), (81, 6522), (95, 6555), (104, 6573), (115, 6597), (120, 6609), (123, 6615), (129, 6627), (131, 6633), (141, 6663), (153, 6696),

Gene: Pons_10 Start: 6703, Stop: 7044, Start Num: 54
Candidate Starts for Pons_10:
(Start: 54 @6703 has 66 MA's), (66, 6739), (108, 6862), (117, 6877), (135, 6925), (161, 7024),

Gene: Ponzi_48 Start: 27983, Stop: 28312, Start Num: 70
Candidate Starts for Ponzi_48:
(18, 27788), (Start: 70 @27983 has 1 MA's), (72, 27992), (97, 28076), (127, 28151), (138, 28184), (144, 28208), (154, 28262), (158, 28283), (161, 28292), (163, 28298), (164, 28301),

Gene: PopTart_8 Start: 6446, Stop: 6778, Start Num: 51
Candidate Starts for PopTart_8:
(Start: 51 @6446 has 284 MA's), (62, 6470), (66, 6488), (76, 6527), (81, 6548), (88, 6563), (95, 6581), (104, 6599), (115, 6623), (123, 6641), (129, 6653), (131, 6659), (141, 6689), (153, 6722),

Gene: Posh_10 Start: 7478, Stop: 7825, Start Num: 51
Candidate Starts for Posh_10:
(Start: 51 @7478 has 284 MA's), (85, 7586), (142, 7733), (161, 7805),

Gene: PotPie_10 Start: 7554, Stop: 7895, Start Num: 54
Candidate Starts for PotPie_10:
(Start: 54 @7554 has 66 MA's), (66, 7590), (108, 7713), (161, 7875),

Gene: PrairieDogTown_10 Start: 8142, Stop: 8474, Start Num: 50
Candidate Starts for PrairieDogTown_10:
(Start: 50 @8142 has 19 MA's), (Start: 55 @8151 has 8 MA's),

Gene: Priscilla_8 Start: 6444, Stop: 6773, Start Num: 51
Candidate Starts for Priscilla_8:
(8, 6174), (24, 6351), (Start: 51 @6444 has 284 MA's), (62, 6468), (71, 6507), (79, 6540), (87, 6552), (91, 6573), (95, 6579), (98, 6582), (105, 6600), (120, 6633), (129, 6651), (131, 6657), (134, 6669), (141, 6687), (146, 6696), (153, 6720), (157, 6747), (158, 6750), (164, 6768),

Gene: PsychoKiller_10 Start: 6923, Stop: 7264, Start Num: 54
Candidate Starts for PsychoKiller_10:
(Start: 54 @6923 has 66 MA's), (58, 6932), (73, 6992), (111, 7085), (148, 7187),

Gene: Pytheas_10 Start: 7331, Stop: 7678, Start Num: 51
Candidate Starts for Pytheas_10:
(Start: 51 @7331 has 284 MA's), (85, 7439), (101, 7484), (142, 7586), (161, 7658),

Gene: Quasar_10 Start: 7538, Stop: 7879, Start Num: 54
Candidate Starts for Quasar_10:
(Start: 54 @7538 has 66 MA's), (58, 7547), (73, 7607), (111, 7700), (148, 7802),

Gene: QuickMath_8 Start: 6447, Stop: 6779, Start Num: 51
Candidate Starts for QuickMath_8:
(Start: 51 @6447 has 284 MA's), (62, 6471), (66, 6489), (76, 6528), (81, 6549), (88, 6564), (95, 6582), (104, 6600), (115, 6624), (120, 6636), (123, 6642), (129, 6654), (131, 6660), (141, 6690), (153, 6723),

Gene: Quico_9 Start: 6291, Stop: 6620, Start Num: 51
Candidate Starts for Quico_9:

(Start: 51 @6291 has 284 MA's), (62, 6315), (71, 6354), (79, 6387), (87, 6399), (91, 6420), (95, 6426), (98, 6429), (105, 6447), (120, 6480), (129, 6498), (131, 6504), (134, 6516), (141, 6534), (146, 6543), (153, 6567), (157, 6594), (158, 6597), (164, 6615),

Gene: RADical_11 Start: 6924, Stop: 7265, Start Num: 54
Candidate Starts for RADical_11:
(Start: 54 @6924 has 66 MA's), (58, 6933), (73, 6993), (111, 7086), (148, 7188),

Gene: RSchmailzl_11 Start: 7064, Stop: 7405, Start Num: 54
Candidate Starts for RSchmailzl_11:
(Start: 54 @7064 has 66 MA's), (58, 7073), (73, 7133), (111, 7226), (148, 7328),

Gene: Radiance_8 Start: 6443, Stop: 6772, Start Num: 51
Candidate Starts for Radiance_8:
(8, 6173), (24, 6350), (Start: 51 @6443 has 284 MA's), (62, 6467), (71, 6506), (79, 6539), (87, 6551), (91, 6572), (95, 6578), (98, 6581), (105, 6599), (120, 6632), (129, 6650), (131, 6656), (134, 6668), (141, 6686), (146, 6695), (153, 6719), (157, 6746), (158, 6749), (164, 6767),

Gene: Ramsey_9 Start: 6295, Stop: 6624, Start Num: 51
Candidate Starts for Ramsey_9:
(Start: 51 @6295 has 284 MA's), (62, 6319), (71, 6358), (79, 6391), (87, 6403), (91, 6424), (95, 6430), (98, 6433), (105, 6451), (120, 6484), (129, 6502), (131, 6508), (134, 6520), (141, 6538), (146, 6547), (153, 6571), (157, 6598), (158, 6601), (164, 6619),

Gene: RanchParmCat_13 Start: 7641, Stop: 7979, Start Num: 54
Candidate Starts for RanchParmCat_13:
(Start: 54 @7641 has 66 MA's), (66, 7677), (84, 7740), (134, 7860), (161, 7959),

Gene: RedBaron_12 Start: 6968, Stop: 7309, Start Num: 54
Candidate Starts for RedBaron_12:
(Start: 54 @6968 has 66 MA's), (58, 6977), (73, 7037), (111, 7130), (148, 7232),

Gene: RedBird_8 Start: 6443, Stop: 6772, Start Num: 51
Candidate Starts for RedBird_8:
(8, 6173), (24, 6350), (Start: 51 @6443 has 284 MA's), (62, 6467), (71, 6506), (79, 6539), (87, 6551), (91, 6572), (95, 6578), (98, 6581), (105, 6599), (120, 6632), (129, 6650), (131, 6656), (134, 6668), (141, 6686), (146, 6695), (153, 6719), (157, 6746), (158, 6749), (164, 6767),

Gene: Renaud18_9 Start: 6780, Stop: 7112, Start Num: 51
Candidate Starts for Renaud18_9:
(Start: 51 @6780 has 284 MA's), (62, 6804), (76, 6864), (81, 6885), (87, 6891), (109, 6951), (115, 6960), (118, 6966), (121, 6972), (146, 7032), (147, 7035), (161, 7095), (164, 7104),

Gene: Rialto_9 Start: 6297, Stop: 6626, Start Num: 51
Candidate Starts for Rialto_9:
(Start: 51 @6297 has 284 MA's), (62, 6321), (71, 6360), (79, 6393), (87, 6405), (91, 6426), (95, 6432), (98, 6435), (105, 6453), (120, 6486), (129, 6504), (131, 6510), (134, 6522), (141, 6540), (146, 6549), (153, 6573), (157, 6600), (158, 6603), (164, 6621),

Gene: Rita_8 Start: 6447, Stop: 6779, Start Num: 51
Candidate Starts for Rita_8:
(Start: 51 @6447 has 284 MA's), (62, 6471), (66, 6489), (76, 6528), (81, 6549), (88, 6564), (95, 6582), (104, 6600), (115, 6624), (120, 6636), (123, 6642), (129, 6654), (131, 6660), (141, 6690), (153, 6723),

Gene: RitaG_8 Start: 6443, Stop: 6772, Start Num: 51
Candidate Starts for RitaG_8:
(8, 6173), (24, 6350), (Start: 51 @6443 has 284 MA's), (62, 6467), (71, 6506), (79, 6539), (87, 6551), (91, 6572), (95, 6578), (98, 6581), (105, 6599), (120, 6632), (129, 6650), (131, 6656), (134, 6668), (141, 6686), (146, 6695), (153, 6719), (157, 6746), (158, 6749), (164, 6767),

Gene: Roberts_11 Start: 7129, Stop: 7464, Start Num: 53
Candidate Starts for Roberts_11:
(Start: 53 @7129 has 6 MA's), (63, 7159), (146, 7381),

Gene: Rockne_8 Start: 6460, Stop: 6789, Start Num: 51
Candidate Starts for Rockne_8:
(8, 6190), (24, 6367), (Start: 51 @6460 has 284 MA's), (62, 6484), (71, 6523), (79, 6556), (87, 6568), (91, 6589), (95, 6595), (98, 6598), (105, 6616), (120, 6649), (129, 6667), (131, 6673), (134, 6685), (141, 6703), (146, 6712), (153, 6736), (157, 6763), (158, 6766), (164, 6784),

Gene: RockyHorror_9 Start: 6295, Stop: 6624, Start Num: 51
Candidate Starts for RockyHorror_9:
(Start: 51 @6295 has 284 MA's), (62, 6319), (71, 6358), (79, 6391), (87, 6403), (91, 6424), (95, 6430), (105, 6451), (115, 6472), (120, 6484), (129, 6502), (131, 6508), (134, 6520), (141, 6538), (146, 6547), (153, 6571), (157, 6598), (158, 6601), (164, 6619),

Gene: Rooter_8 Start: 6545, Stop: 6877, Start Num: 50
Candidate Starts for Rooter_8:
(Start: 50 @6545 has 19 MA's), (Start: 55 @6554 has 8 MA's), (73, 6623), (107, 6725), (129, 6767), (146, 6794), (155, 6833), (164, 6866),

Gene: Royals2015_8 Start: 6446, Stop: 6778, Start Num: 51
Candidate Starts for Royals2015_8:
(Start: 51 @6446 has 284 MA's), (62, 6470), (66, 6488), (76, 6527), (81, 6548), (88, 6563), (95, 6581), (104, 6599), (115, 6623), (123, 6641), (129, 6653), (131, 6659), (141, 6689), (153, 6722),

Gene: Ruby_8 Start: 6449, Stop: 6778, Start Num: 51
Candidate Starts for Ruby_8:
(Start: 51 @6449 has 284 MA's), (62, 6473), (71, 6512), (79, 6545), (87, 6557), (91, 6578), (95, 6584), (98, 6587), (105, 6605), (120, 6638), (129, 6656), (131, 6662), (141, 6692), (146, 6701), (153, 6725), (157, 6752), (158, 6755), (164, 6773),

Gene: SG4_8 Start: 6446, Stop: 6778, Start Num: 51
Candidate Starts for SG4_8:
(Start: 51 @6446 has 284 MA's), (62, 6470), (66, 6488), (76, 6527), (81, 6548), (88, 6563), (95, 6581), (104, 6599), (115, 6623), (120, 6635), (123, 6641), (129, 6653), (131, 6659), (141, 6689), (153, 6722),

Gene: SPB78_10 Start: 7392, Stop: 7745, Start Num: 114
Candidate Starts for SPB78_10:
(7, 6924), (90, 7338), (96, 7353), (114, 7392), (152, 7515), (166, 7578), (168, 7620), (169, 7638), (170, 7656), (171, 7665), (173, 7734),

Gene: Saal_8 Start: 6432, Stop: 6761, Start Num: 51
Candidate Starts for Saal_8:
(8, 6162), (24, 6339), (Start: 51 @6432 has 284 MA's), (62, 6456), (71, 6495), (79, 6528), (87, 6540), (91, 6561), (95, 6567), (98, 6570), (105, 6588), (120, 6621), (129, 6639), (131, 6645), (134, 6657),

(141, 6675), (146, 6684), (153, 6708), (157, 6735), (158, 6738), (164, 6756),

Gene: Sabbb_8 Start: 6447, Stop: 6776, Start Num: 51
Candidate Starts for Sabbb_8:
(Start: 51 @6447 has 284 MA's), (62, 6471), (71, 6510), (79, 6543), (91, 6576), (95, 6582), (98, 6585), (105, 6603), (120, 6636), (129, 6654), (131, 6660), (141, 6690), (146, 6699), (153, 6723), (157, 6750), (158, 6753), (164, 6771),

Gene: Salvus_13 Start: 8524, Stop: 8898, Start Num: 46
Candidate Starts for Salvus_13:
(Start: 46 @8524 has 3 MA's), (62, 8563), (79, 8635), (119, 8731), (158, 8863), (162, 8875),

Gene: Sandalphon_8 Start: 6460, Stop: 6789, Start Num: 51
Candidate Starts for Sandalphon_8:
(8, 6190), (24, 6367), (Start: 51 @6460 has 284 MA's), (62, 6484), (71, 6523), (79, 6556), (87, 6568), (91, 6589), (95, 6595), (98, 6598), (105, 6616), (120, 6649), (129, 6667), (131, 6673), (134, 6685), (141, 6703), (146, 6712), (153, 6736), (157, 6763), (158, 6766), (164, 6784),

Gene: Sarge_9 Start: 6912, Stop: 7244, Start Num: 50
Candidate Starts for Sarge_9:
(Start: 50 @6912 has 19 MA's), (Start: 55 @6921 has 8 MA's), (73, 6990), (129, 7134), (130, 7137), (146, 7161), (164, 7233),

Gene: Sarma624_9 Start: 6295, Stop: 6624, Start Num: 51
Candidate Starts for Sarma624_9:
(Start: 51 @6295 has 284 MA's), (62, 6319), (79, 6391), (87, 6403), (91, 6424), (95, 6430), (98, 6433), (105, 6451), (120, 6484), (129, 6502), (131, 6508), (134, 6520), (141, 6538), (146, 6547), (153, 6571), (157, 6598), (158, 6601), (164, 6619),

Gene: Sassafras_8 Start: 6443, Stop: 6772, Start Num: 51
Candidate Starts for Sassafras_8:
(8, 6173), (24, 6350), (Start: 51 @6443 has 284 MA's), (62, 6467), (71, 6506), (79, 6539), (87, 6551), (91, 6572), (95, 6578), (98, 6581), (105, 6599), (120, 6632), (129, 6650), (131, 6656), (134, 6668), (141, 6686), (146, 6695), (153, 6719), (157, 6746), (158, 6749), (164, 6767),

Gene: SassyB_8 Start: 6446, Stop: 6778, Start Num: 51
Candidate Starts for SassyB_8:
(Start: 51 @6446 has 284 MA's), (62, 6470), (66, 6488), (76, 6527), (81, 6548), (88, 6563), (95, 6581), (104, 6599), (115, 6623), (123, 6641), (129, 6653), (131, 6659), (141, 6689), (153, 6722),

Gene: Scotia_11 Start: 9053, Stop: 9421, Start Num: 50
Candidate Starts for Scotia_11:
(2, 8657), (14, 8885), (Start: 50 @9053 has 19 MA's), (Start: 55 @9062 has 8 MA's), (130, 9281), (146, 9338),

Gene: Scottish_8 Start: 6443, Stop: 6772, Start Num: 51
Candidate Starts for Scottish_8:
(8, 6173), (24, 6350), (Start: 51 @6443 has 284 MA's), (62, 6467), (71, 6506), (79, 6539), (87, 6551), (91, 6572), (95, 6578), (98, 6581), (105, 6599), (120, 6632), (129, 6650), (131, 6656), (134, 6668), (141, 6686), (146, 6695), (153, 6719), (157, 6746), (158, 6749), (164, 6767),

Gene: SeaLumen_8 Start: 6420, Stop: 6752, Start Num: 51
Candidate Starts for SeaLumen_8:

(Start: 51 @6420 has 284 MA's), (62, 6444), (66, 6462), (76, 6501), (81, 6522), (95, 6555), (104, 6573), (115, 6597), (120, 6609), (123, 6615), (129, 6627), (131, 6633), (141, 6663), (153, 6696),

Gene: Seabastian_8 Start: 6442, Stop: 6771, Start Num: 51
Candidate Starts for Seabastian_8:
(8, 6172), (24, 6349), (Start: 51 @6442 has 284 MA's), (62, 6466), (71, 6505), (79, 6538), (87, 6550), (91, 6571), (95, 6577), (98, 6580), (105, 6598), (120, 6631), (129, 6649), (131, 6655), (141, 6685), (146, 6694), (153, 6718), (157, 6745), (158, 6748), (164, 6766),

Gene: Seagreen_9 Start: 6296, Stop: 6625, Start Num: 51
Candidate Starts for Seagreen_9:
(Start: 51 @6296 has 284 MA's), (62, 6320), (71, 6359), (79, 6392), (87, 6404), (91, 6425), (95, 6431), (98, 6434), (105, 6452), (115, 6473), (120, 6485), (129, 6503), (131, 6509), (141, 6539), (146, 6548), (153, 6572), (157, 6599), (158, 6602), (164, 6620),

Gene: Shauna1_8 Start: 6446, Stop: 6778, Start Num: 51
Candidate Starts for Shauna1_8:
(Start: 51 @6446 has 284 MA's), (62, 6470), (66, 6488), (76, 6527), (81, 6548), (95, 6581), (104, 6599), (115, 6623), (120, 6635), (123, 6641), (129, 6653), (131, 6659), (141, 6689), (149, 6707), (153, 6722),

Gene: ShawBrad_10 Start: 6485, Stop: 6832, Start Num: 49
Candidate Starts for ShawBrad_10:
(39, 6449), (Start: 49 @6485 has 21 MA's), (64, 6524), (73, 6566), (102, 6638), (111, 6659), (113, 6662), (126, 6695), (143, 6740), (155, 6791), (159, 6806), (161, 6812), (164, 6821),

Gene: ShiLan_8 Start: 6444, Stop: 6773, Start Num: 51
Candidate Starts for ShiLan_8:
(8, 6174), (24, 6351), (Start: 51 @6444 has 284 MA's), (62, 6468), (71, 6507), (79, 6540), (87, 6552), (91, 6573), (95, 6579), (98, 6582), (105, 6600), (120, 6633), (129, 6651), (131, 6657), (134, 6669), (141, 6687), (146, 6696), (153, 6720), (155, 6738), (157, 6747), (158, 6750), (164, 6768),

Gene: ShowerHandel_8 Start: 6445, Stop: 6774, Start Num: 51
Candidate Starts for ShowerHandel_8:
(8, 6175), (24, 6352), (Start: 51 @6445 has 284 MA's), (62, 6469), (71, 6508), (79, 6541), (87, 6553), (91, 6574), (95, 6580), (98, 6583), (105, 6601), (120, 6634), (129, 6652), (131, 6658), (134, 6670), (141, 6688), (146, 6697), (153, 6721), (155, 6739), (157, 6748), (158, 6751), (164, 6769),

Gene: Shoya_8 Start: 6548, Stop: 6880, Start Num: 50
Candidate Starts for Shoya_8:
(Start: 50 @6548 has 19 MA's), (Start: 55 @6557 has 8 MA's), (73, 6626), (123, 6752), (129, 6770), (146, 6797), (164, 6869),

Gene: ShroomBoi_8 Start: 6446, Stop: 6778, Start Num: 51
Candidate Starts for ShroomBoi_8:
(Start: 51 @6446 has 284 MA's), (62, 6470), (66, 6488), (76, 6527), (81, 6548), (88, 6563), (95, 6581), (104, 6599), (115, 6623), (123, 6641), (129, 6653), (131, 6659), (141, 6689), (153, 6722),

Gene: SiSi_8 Start: 6431, Stop: 6763, Start Num: 51
Candidate Starts for SiSi_8:
(Start: 51 @6431 has 284 MA's), (62, 6455), (66, 6473), (76, 6512), (81, 6533), (88, 6548), (95, 6566), (104, 6584), (115, 6608), (120, 6620), (123, 6626), (129, 6638), (131, 6644), (141, 6674), (153, 6707),

Gene: SilverChicken_10 Start: 6438, Stop: 6791, Start Num: 51

Candidate Starts for SilverChicken_10:
(36, 6387), (38, 6393), (Start: 51 @6438 has 284 MA's), (63, 6468), (75, 6519), (113, 6624), (120, 6642), (133, 6675), (159, 6765),

Gene: SimranZ1_9 Start: 6296, Stop: 6625, Start Num: 51
Candidate Starts for SimranZ1_9:
(Start: 51 @6296 has 284 MA's), (62, 6320), (71, 6359), (79, 6392), (87, 6404), (91, 6425), (95, 6431), (98, 6434), (105, 6452), (120, 6485), (129, 6503), (131, 6509), (134, 6521), (141, 6539), (146, 6548), (153, 6572), (157, 6599), (158, 6602), (164, 6620),

Gene: SketchMex_9 Start: 6907, Stop: 7248, Start Num: 54
Candidate Starts for SketchMex_9:
(Start: 54 @6907 has 66 MA's), (89, 7030), (148, 7171), (159, 7222), (161, 7228),

Gene: Slim_9 Start: 6297, Stop: 6626, Start Num: 51
Candidate Starts for Slim_9:
(Start: 51 @6297 has 284 MA's), (62, 6321), (71, 6360), (79, 6393), (87, 6405), (91, 6426), (95, 6432), (98, 6435), (105, 6453), (120, 6486), (129, 6504), (131, 6510), (134, 6522), (141, 6540), (146, 6549), (153, 6573), (157, 6600), (158, 6603), (164, 6621),

Gene: Socotra_11 Start: 6923, Stop: 7264, Start Num: 54
Candidate Starts for Socotra_11:
(Start: 54 @6923 has 66 MA's), (58, 6932), (73, 6992), (111, 7085), (148, 7187),

Gene: Sopespian_10 Start: 6923, Stop: 7264, Start Num: 54
Candidate Starts for Sopespian_10:
(Start: 54 @6923 has 66 MA's), (58, 6932), (73, 6992), (111, 7085), (148, 7187),

Gene: Soul22_10 Start: 6437, Stop: 6790, Start Num: 51
Candidate Starts for Soul22_10:
(36, 6386), (38, 6392), (Start: 51 @6437 has 284 MA's), (63, 6467), (75, 6518), (113, 6623), (120, 6641), (133, 6674), (159, 6764),

Gene: Sparkdehlily_8 Start: 6459, Stop: 6788, Start Num: 51
Candidate Starts for Sparkdehlily_8:
(8, 6189), (24, 6366), (Start: 51 @6459 has 284 MA's), (62, 6483), (71, 6522), (79, 6555), (87, 6567), (91, 6588), (95, 6594), (98, 6597), (105, 6615), (120, 6648), (129, 6666), (131, 6672), (134, 6684), (141, 6702), (146, 6711), (153, 6735), (157, 6762), (158, 6765), (164, 6783),

Gene: Spartacus_8 Start: 6434, Stop: 6766, Start Num: 51
Candidate Starts for Spartacus_8:
(Start: 51 @6434 has 284 MA's), (61, 6455), (62, 6458), (71, 6497), (81, 6536), (95, 6569), (98, 6572), (112, 6605), (115, 6611), (129, 6641), (131, 6647), (141, 6677), (153, 6710), (157, 6737), (161, 6749), (164, 6758),

Gene: Spikelee_9 Start: 6296, Stop: 6625, Start Num: 51
Candidate Starts for Spikelee_9:
(Start: 51 @6296 has 284 MA's), (62, 6320), (71, 6359), (79, 6392), (87, 6404), (91, 6425), (95, 6431), (98, 6434), (105, 6452), (120, 6485), (129, 6503), (131, 6509), (134, 6521), (141, 6539), (146, 6548), (153, 6572), (157, 6599), (158, 6602), (164, 6620),

Gene: Spooky_10 Start: 6478, Stop: 6825, Start Num: 49
Candidate Starts for Spooky_10:

(5, 6193), (10, 6265), (12, 6292), (20, 6367), (30, 6427), (40, 6445), (Start: 49 @6478 has 21 MA's), (64, 6517), (73, 6559), (85, 6592), (111, 6652), (113, 6655), (143, 6733), (155, 6784), (164, 6814),

Gene: Spoonbill_8 Start: 6445, Stop: 6774, Start Num: 51
Candidate Starts for Spoonbill_8:
(Start: 51 @6445 has 284 MA's), (62, 6469), (71, 6508), (79, 6541), (87, 6553), (91, 6574), (95, 6580), (98, 6583), (105, 6601), (120, 6634), (129, 6652), (131, 6658), (134, 6670), (141, 6688), (146, 6697), (153, 6721), (157, 6748), (158, 6751), (164, 6769),

Gene: Squiddly_11 Start: 7165, Stop: 7512, Start Num: 49
Candidate Starts for Squiddly_11:
(39, 7129), (Start: 49 @7165 has 21 MA's), (64, 7204), (73, 7246), (111, 7339), (113, 7342), (143, 7420), (155, 7471), (159, 7486), (164, 7501),

Gene: Squirty_9 Start: 6294, Stop: 6623, Start Num: 51
Candidate Starts for Squirty_9:
(Start: 51 @6294 has 284 MA's), (62, 6318), (71, 6357), (79, 6390), (87, 6402), (91, 6423), (95, 6429), (98, 6432), (105, 6450), (120, 6483), (129, 6501), (131, 6507), (134, 6519), (141, 6537), (146, 6546), (153, 6570), (157, 6597), (158, 6600), (164, 6618),

Gene: StAnnes_8 Start: 6446, Stop: 6778, Start Num: 51
Candidate Starts for StAnnes_8:
(Start: 51 @6446 has 284 MA's), (62, 6470), (66, 6488), (76, 6527), (81, 6548), (88, 6563), (95, 6581), (104, 6599), (115, 6623), (123, 6641), (129, 6653), (131, 6659), (141, 6689), (153, 6722),

Gene: Stap_9 Start: 6296, Stop: 6625, Start Num: 51
Candidate Starts for Stap_9:
(Start: 51 @6296 has 284 MA's), (62, 6320), (71, 6359), (79, 6392), (87, 6404), (91, 6425), (95, 6431), (98, 6434), (105, 6452), (115, 6473), (120, 6485), (129, 6503), (131, 6509), (141, 6539), (146, 6548), (153, 6572), (157, 6599), (158, 6602), (164, 6620),

Gene: Starburst_11 Start: 6923, Stop: 7264, Start Num: 54
Candidate Starts for Starburst_11:
(Start: 54 @6923 has 66 MA's), (58, 6932), (73, 6992), (111, 7085), (148, 7187),

Gene: Starcevich_9 Start: 6296, Stop: 6625, Start Num: 51
Candidate Starts for Starcevich_9:
(Start: 51 @6296 has 284 MA's), (62, 6320), (71, 6359), (79, 6392), (87, 6404), (91, 6425), (95, 6431), (98, 6434), (105, 6452), (120, 6485), (129, 6503), (131, 6509), (134, 6521), (141, 6539), (146, 6548), (153, 6572), (157, 6599), (158, 6602), (164, 6620),

Gene: SteamedHams_12 Start: 6942, Stop: 7283, Start Num: 54
Candidate Starts for SteamedHams_12:
(Start: 54 @6942 has 66 MA's), (113, 7107), (159, 7257), (161, 7263),

Gene: Stellammi_7 Start: 5925, Stop: 6263, Start Num: 51
Candidate Starts for Stellammi_7:
(Start: 51 @5925 has 284 MA's), (65, 5961), (87, 6033), (94, 6057), (119, 6108), (120, 6111), (124, 6123), (125, 6126), (129, 6129), (147, 6183), (150, 6192), (164, 6252),

Gene: Strokeseat_8 Start: 6433, Stop: 6762, Start Num: 51
Candidate Starts for Strokeseat_8:

(8, 6163), (24, 6340), (Start: 51 @6433 has 284 MA's), (62, 6457), (71, 6496), (79, 6529), (87, 6541), (91, 6562), (95, 6568), (98, 6571), (105, 6589), (120, 6622), (129, 6640), (131, 6646), (141, 6676), (146, 6685), (153, 6709), (157, 6736), (158, 6739), (164, 6757),

Gene: Studio_11 Start: 6885, Stop: 7220, Start Num: 53
Candidate Starts for Studio_11:
(48, 6873), (Start: 53 @6885 has 6 MA's), (63, 6915),

Gene: SummitAcademy_9 Start: 6769, Stop: 7110, Start Num: 54
Candidate Starts for SummitAcademy_9:
(Start: 54 @6769 has 66 MA's), (66, 6805), (108, 6928), (161, 7090),

Gene: SuperGrey_8 Start: 6446, Stop: 6778, Start Num: 51
Candidate Starts for SuperGrey_8:
(Start: 51 @6446 has 284 MA's), (62, 6470), (66, 6488), (76, 6527), (81, 6548), (88, 6563), (95, 6581), (104, 6599), (115, 6623), (120, 6635), (123, 6641), (129, 6653), (131, 6659), (141, 6689), (153, 6722),

Gene: Survivors_12 Start: 7674, Stop: 8024, Start Num: 54
Candidate Starts for Survivors_12:
(32, 7614), (45, 7650), (Start: 54 @7674 has 66 MA's), (62, 7692), (68, 7716), (73, 7743), (111, 7839), (118, 7854), (129, 7884), (145, 7938), (158, 7995),

Gene: SwagPigglett_8 Start: 6445, Stop: 6774, Start Num: 51
Candidate Starts for SwagPigglett_8:
(8, 6175), (24, 6352), (Start: 51 @6445 has 284 MA's), (62, 6469), (71, 6508), (79, 6541), (87, 6553), (91, 6574), (95, 6580), (98, 6583), (105, 6601), (120, 6634), (129, 6652), (131, 6658), (134, 6670), (141, 6688), (146, 6697), (153, 6721), (155, 6739), (157, 6748), (158, 6751), (164, 6769),

Gene: SweatNTears_12 Start: 7427, Stop: 7768, Start Num: 54
Candidate Starts for SweatNTears_12:
(Start: 54 @7427 has 66 MA's), (89, 7550), (148, 7691), (159, 7742), (161, 7748),

Gene: TChen_9 Start: 6903, Stop: 7235, Start Num: 51
Candidate Starts for TChen_9:
(Start: 51 @6903 has 284 MA's), (62, 6927), (76, 6987), (81, 7008), (87, 7014), (109, 7074), (115, 7083), (118, 7089), (121, 7095), (146, 7155), (147, 7158), (161, 7218), (164, 7227),

Gene: TDanisky_8 Start: 6459, Stop: 6788, Start Num: 51
Candidate Starts for TDanisky_8:
(8, 6189), (24, 6366), (Start: 51 @6459 has 284 MA's), (62, 6483), (71, 6522), (79, 6555), (87, 6567), (91, 6588), (95, 6594), (98, 6597), (105, 6615), (120, 6648), (129, 6666), (131, 6672), (134, 6684), (141, 6702), (146, 6711), (153, 6735), (157, 6762), (158, 6765), (164, 6783),

Gene: TMaxx_11 Start: 7008, Stop: 7340, Start Num: 55
Candidate Starts for TMaxx_11:
(Start: 55 @7008 has 8 MA's), (144, 7248),

Gene: Taj_8 Start: 6446, Stop: 6778, Start Num: 51
Candidate Starts for Taj_8:
(Start: 51 @6446 has 284 MA's), (62, 6470), (66, 6488), (76, 6527), (81, 6548), (88, 6563), (95, 6581), (104, 6599), (115, 6623), (120, 6635), (123, 6641), (129, 6653), (131, 6659), (141, 6689), (153, 6722),

Gene: Tarnish_10 Start: 7068, Stop: 7409, Start Num: 54

Candidate Starts for Tarnish_10:
(Start: 54 @7068 has 66 MA's), (66, 7104), (67, 7107), (108, 7227), (117, 7242), (161, 7389),

Gene: Tchotchke_9 Start: 6296, Stop: 6625, Start Num: 51
Candidate Starts for Tchotchke_9:
(Start: 51 @6296 has 284 MA's), (62, 6320), (71, 6359), (79, 6392), (87, 6404), (91, 6425), (95, 6431), (98, 6434), (105, 6452), (120, 6485), (129, 6503), (131, 6509), (134, 6521), (141, 6539), (146, 6548), (153, 6572), (157, 6599), (158, 6602), (164, 6620),

Gene: ThetaBob_9 Start: 6783, Stop: 7115, Start Num: 51
Candidate Starts for ThetaBob_9:
(Start: 51 @6783 has 284 MA's), (62, 6807), (76, 6867), (81, 6888), (87, 6894), (109, 6954), (115, 6963), (118, 6969), (121, 6975), (146, 7035), (147, 7038), (161, 7098), (164, 7107),

Gene: Tolls_12 Start: 6945, Stop: 7286, Start Num: 54
Candidate Starts for Tolls_12:
(Start: 54 @6945 has 66 MA's), (113, 7110), (159, 7260), (161, 7266),

Gene: TootsiePop_9 Start: 6299, Stop: 6628, Start Num: 51
Candidate Starts for TootsiePop_9:
(Start: 51 @6299 has 284 MA's), (62, 6323), (71, 6362), (79, 6395), (87, 6407), (91, 6428), (95, 6434), (98, 6437), (105, 6455), (115, 6476), (120, 6488), (129, 6506), (131, 6512), (134, 6524), (141, 6542), (146, 6551), (153, 6575), (157, 6602), (158, 6605), (164, 6623),

Gene: Tootsieroll_9 Start: 6296, Stop: 6625, Start Num: 51
Candidate Starts for Tootsieroll_9:
(Start: 51 @6296 has 284 MA's), (62, 6320), (71, 6359), (79, 6392), (87, 6404), (91, 6425), (95, 6431), (98, 6434), (105, 6452), (115, 6473), (120, 6485), (129, 6503), (131, 6509), (134, 6521), (141, 6539), (146, 6548), (153, 6572), (157, 6599), (158, 6602), (164, 6620),

Gene: Topiatin_10 Start: 7096, Stop: 7428, Start Num: 51
Candidate Starts for Topiatin_10:
(Start: 51 @7096 has 284 MA's), (62, 7120), (66, 7138), (76, 7177), (81, 7198), (88, 7213), (95, 7231), (104, 7249), (115, 7273), (120, 7285), (123, 7291), (129, 7303), (131, 7309), (141, 7339), (153, 7372),

Gene: Toron_9 Start: 6903, Stop: 7235, Start Num: 51
Candidate Starts for Toron_9:
(Start: 51 @6903 has 284 MA's), (62, 6927), (76, 6987), (87, 7014), (109, 7074), (115, 7083), (118, 7089), (121, 7095), (146, 7155), (147, 7158), (161, 7218), (164, 7227),

Gene: Totinger_9 Start: 6297, Stop: 6626, Start Num: 51
Candidate Starts for Totinger_9:
(Start: 51 @6297 has 284 MA's), (62, 6321), (71, 6360), (79, 6393), (87, 6405), (91, 6426), (95, 6432), (98, 6435), (105, 6453), (120, 6486), (129, 6504), (131, 6510), (134, 6522), (141, 6540), (146, 6549), (153, 6573), (157, 6600), (158, 6603), (164, 6621),

Gene: TripleC_14 Start: 10502, Stop: 10834, Start Num: 55
Candidate Starts for TripleC_14:
(Start: 55 @10502 has 8 MA's), (158, 10805),

Gene: Troje_10 Start: 6901, Stop: 7242, Start Num: 54
Candidate Starts for Troje_10:
(Start: 54 @6901 has 66 MA's), (89, 7024), (148, 7165), (159, 7216), (161, 7222),

Gene: Tweety_8 Start: 6446, Stop: 6778, Start Num: 51
Candidate Starts for Tweety_8:
(Start: 51 @6446 has 284 MA's), (62, 6470), (66, 6488), (76, 6527), (81, 6548), (88, 6563), (95, 6581), (104, 6599), (115, 6623), (123, 6641), (129, 6653), (131, 6659), (141, 6689), (153, 6722),

Gene: Typhonomachy_10 Start: 6923, Stop: 7264, Start Num: 54
Candidate Starts for Typhonomachy_10:
(23, 6824), (24, 6827), (25, 6833), (Start: 54 @6923 has 66 MA's), (58, 6932), (73, 6992), (111, 7085), (148, 7187),

Gene: UncleRicky_9 Start: 6296, Stop: 6625, Start Num: 51
Candidate Starts for UncleRicky_9:
(Start: 51 @6296 has 284 MA's), (62, 6320), (71, 6359), (79, 6392), (87, 6404), (91, 6425), (95, 6431), (98, 6434), (105, 6452), (120, 6485), (129, 6503), (131, 6509), (141, 6539), (146, 6548), (153, 6572), (157, 6599), (158, 6602), (164, 6620),

Gene: VRedHorse_8 Start: 6445, Stop: 6774, Start Num: 51
Candidate Starts for VRedHorse_8:
(8, 6175), (24, 6352), (Start: 51 @6445 has 284 MA's), (62, 6469), (71, 6508), (79, 6541), (91, 6574), (95, 6580), (98, 6583), (105, 6601), (120, 6634), (129, 6652), (131, 6658), (134, 6670), (141, 6688), (146, 6697), (153, 6721), (157, 6748), (158, 6751), (164, 6769),

Gene: VWB_9 Start: 7437, Stop: 7799, Start Num: 107
Candidate Starts for VWB_9:
(91, 7410), (107, 7437), (114, 7446), (140, 7524), (167, 7647), (168, 7674), (169, 7692), (171, 7719), (172, 7746),

Gene: Velveteen_9 Start: 6295, Stop: 6624, Start Num: 51
Candidate Starts for Velveteen_9:
(Start: 51 @6295 has 284 MA's), (62, 6319), (79, 6391), (87, 6403), (91, 6424), (95, 6430), (98, 6433), (105, 6451), (120, 6484), (129, 6502), (131, 6508), (134, 6520), (141, 6538), (146, 6547), (153, 6571), (157, 6598), (158, 6601), (164, 6619),

Gene: Veteran_8 Start: 6460, Stop: 6789, Start Num: 51
Candidate Starts for Veteran_8:
(8, 6190), (24, 6367), (Start: 51 @6460 has 284 MA's), (62, 6484), (71, 6523), (79, 6556), (87, 6568), (91, 6589), (95, 6595), (98, 6598), (105, 6616), (115, 6637), (120, 6649), (129, 6667), (131, 6673), (141, 6703), (146, 6712), (153, 6736), (157, 6763), (158, 6766), (164, 6784),

Gene: Vine_11 Start: 7698, Stop: 8039, Start Num: 54
Candidate Starts for Vine_11:
(Start: 54 @7698 has 66 MA's), (66, 7734), (108, 7857), (117, 7872), (161, 8019),

Gene: Violac_8 Start: 6446, Stop: 6775, Start Num: 51
Candidate Starts for Violac_8:
(8, 6176), (24, 6353), (Start: 51 @6446 has 284 MA's), (62, 6470), (71, 6509), (79, 6542), (87, 6554), (91, 6575), (95, 6581), (98, 6584), (105, 6602), (120, 6635), (129, 6653), (131, 6659), (134, 6671), (141, 6689), (146, 6698), (153, 6722), (157, 6749), (158, 6752), (164, 6770),

Gene: Vivum_8 Start: 6444, Stop: 6773, Start Num: 51
Candidate Starts for Vivum_8:

(8, 6174), (24, 6351), (Start: 51 @6444 has 284 MA's), (62, 6468), (71, 6507), (79, 6540), (87, 6552), (91, 6573), (95, 6579), (98, 6582), (105, 6600), (120, 6633), (129, 6651), (131, 6657), (134, 6669), (141, 6687), (146, 6696), (153, 6720), (157, 6747), (158, 6750), (164, 6768),

Gene: Wachhund_8 Start: 6436, Stop: 6765, Start Num: 51
Candidate Starts for Wachhund_8:
(Start: 51 @6436 has 284 MA's), (62, 6460), (71, 6499), (79, 6532), (87, 6544), (91, 6565), (95, 6571), (98, 6574), (105, 6592), (120, 6625), (129, 6643), (131, 6649), (134, 6661), (141, 6679), (146, 6688), (153, 6712), (157, 6739), (158, 6742), (164, 6760),

Gene: Wallaby_14 Start: 7795, Stop: 8169, Start Num: 45
Candidate Starts for Wallaby_14:
(32, 7759), (45, 7795), (Start: 54 @7819 has 66 MA's), (62, 7837), (68, 7861), (73, 7888), (111, 7984), (118, 7999), (129, 8029), (145, 8083), (158, 8140),

Gene: Wee_8 Start: 6446, Stop: 6778, Start Num: 51
Candidate Starts for Wee_8:
(Start: 51 @6446 has 284 MA's), (62, 6470), (66, 6488), (76, 6527), (81, 6548), (88, 6563), (95, 6581), (104, 6599), (115, 6623), (120, 6635), (123, 6641), (129, 6653), (131, 6659), (141, 6689), (153, 6722),

Gene: Whatsapiecost_8 Start: 6446, Stop: 6778, Start Num: 51
Candidate Starts for Whatsapiecost_8:
(Start: 51 @6446 has 284 MA's), (62, 6470), (66, 6488), (76, 6527), (81, 6548), (88, 6563), (95, 6581), (104, 6599), (115, 6623), (123, 6641), (129, 6653), (131, 6659), (141, 6689), (153, 6722),

Gene: Whitney_10 Start: 6480, Stop: 6827, Start Num: 49
Candidate Starts for Whitney_10:
(39, 6444), (Start: 49 @6480 has 21 MA's), (64, 6519), (73, 6561), (102, 6633), (111, 6654), (113, 6657), (126, 6690), (143, 6735), (155, 6786), (159, 6801), (164, 6816),

Gene: Whouxphf_8 Start: 6435, Stop: 6764, Start Num: 51
Candidate Starts for Whouxphf_8:
(Start: 51 @6435 has 284 MA's), (62, 6459), (71, 6498), (79, 6531), (87, 6543), (91, 6564), (95, 6570), (98, 6573), (105, 6591), (120, 6624), (129, 6642), (131, 6648), (141, 6678), (146, 6687), (153, 6711), (157, 6738), (158, 6741), (164, 6759),

Gene: WillSterrel_8 Start: 6434, Stop: 6766, Start Num: 51
Candidate Starts for WillSterrel_8:
(Start: 51 @6434 has 284 MA's), (61, 6455), (62, 6458), (71, 6497), (81, 6536), (95, 6569), (98, 6572), (112, 6605), (115, 6611), (129, 6641), (131, 6647), (141, 6677), (153, 6710), (157, 6737), (161, 6749), (164, 6758),

Gene: Wolfwood_12 Start: 7819, Stop: 8169, Start Num: 54
Candidate Starts for Wolfwood_12:
(32, 7759), (45, 7795), (Start: 54 @7819 has 66 MA's), (62, 7837), (68, 7861), (73, 7888), (111, 7984), (118, 7999), (129, 8029), (145, 8083), (158, 8140),

Gene: Wrigley_10 Start: 7328, Stop: 7675, Start Num: 51
Candidate Starts for Wrigley_10:
(28, 7250), (Start: 51 @7328 has 284 MA's), (85, 7436), (142, 7583), (161, 7655),

Gene: XFactor_8 Start: 6446, Stop: 6778, Start Num: 51
Candidate Starts for XFactor_8:

(Start: 51 @6446 has 284 MA's), (62, 6470), (66, 6488), (76, 6527), (81, 6548), (88, 6563), (95, 6581), (104, 6599), (115, 6623), (123, 6641), (129, 6653), (131, 6659), (141, 6689), (153, 6722),

Gene: Yakult_11 Start: 6834, Stop: 7175, Start Num: 54
Candidate Starts for Yakult_11:
(25, 6744), (26, 6747), (28, 6753), (Start: 54 @6834 has 66 MA's), (67, 6876), (73, 6906), (84, 6936), (134, 7056), (135, 7059), (161, 7155),

Gene: Yarn_9 Start: 6935, Stop: 7276, Start Num: 54
Candidate Starts for Yarn_9:
(Start: 54 @6935 has 66 MA's), (113, 7100), (159, 7250), (161, 7256),

Gene: Yorick_8 Start: 6443, Stop: 6772, Start Num: 51
Candidate Starts for Yorick_8:
(8, 6173), (24, 6350), (Start: 51 @6443 has 284 MA's), (62, 6467), (71, 6506), (79, 6539), (87, 6551), (91, 6572), (95, 6578), (98, 6581), (105, 6599), (115, 6620), (120, 6632), (129, 6650), (131, 6656), (134, 6668), (141, 6686), (146, 6695), (153, 6719), (155, 6737), (157, 6746), (158, 6749), (164, 6767),

Gene: Yoshi_10 Start: 6437, Stop: 6790, Start Num: 51
Candidate Starts for Yoshi_10:
(36, 6386), (38, 6392), (Start: 51 @6437 has 284 MA's), (63, 6467), (75, 6518), (113, 6623), (120, 6641), (133, 6674), (159, 6764),

Gene: Yucky_10 Start: 7558, Stop: 7899, Start Num: 54
Candidate Starts for Yucky_10:
(Start: 54 @7558 has 66 MA's), (66, 7594), (108, 7717), (161, 7879),

Gene: Yummy_11 Start: 6805, Stop: 7146, Start Num: 54
Candidate Starts for Yummy_11:
(Start: 54 @6805 has 66 MA's), (89, 6928), (148, 7069), (159, 7120), (161, 7126),

Gene: Zapner_11 Start: 6962, Stop: 7315, Start Num: 51
Candidate Starts for Zapner_11:
(36, 6911), (38, 6917), (Start: 51 @6962 has 284 MA's), (63, 6992), (75, 7043), (113, 7148), (120, 7166), (133, 7199), (159, 7289),

Gene: Zareef_12 Start: 7821, Stop: 8171, Start Num: 54
Candidate Starts for Zareef_12:
(32, 7761), (45, 7797), (Start: 54 @7821 has 66 MA's), (62, 7839), (68, 7863), (73, 7890), (111, 7986), (118, 8001), (129, 8031), (145, 8085), (158, 8142),

Gene: Zerg_8 Start: 6444, Stop: 6773, Start Num: 51
Candidate Starts for Zerg_8:
(8, 6174), (24, 6351), (Start: 51 @6444 has 284 MA's), (62, 6468), (71, 6507), (79, 6540), (91, 6573), (95, 6579), (98, 6582), (105, 6600), (120, 6633), (129, 6651), (131, 6657), (134, 6669), (141, 6687), (146, 6696), (153, 6720), (157, 6747), (158, 6750), (164, 6768),

Gene: Zizzle_8 Start: 6447, Stop: 6776, Start Num: 51
Candidate Starts for Zizzle_8:
(8, 6177), (24, 6354), (Start: 51 @6447 has 284 MA's), (62, 6471), (71, 6510), (79, 6543), (87, 6555), (91, 6576), (95, 6582), (98, 6585), (105, 6603), (120, 6636), (129, 6654), (131, 6660), (134, 6672), (141, 6690), (146, 6699), (153, 6723), (155, 6741), (157, 6750), (158, 6753), (164, 6771),