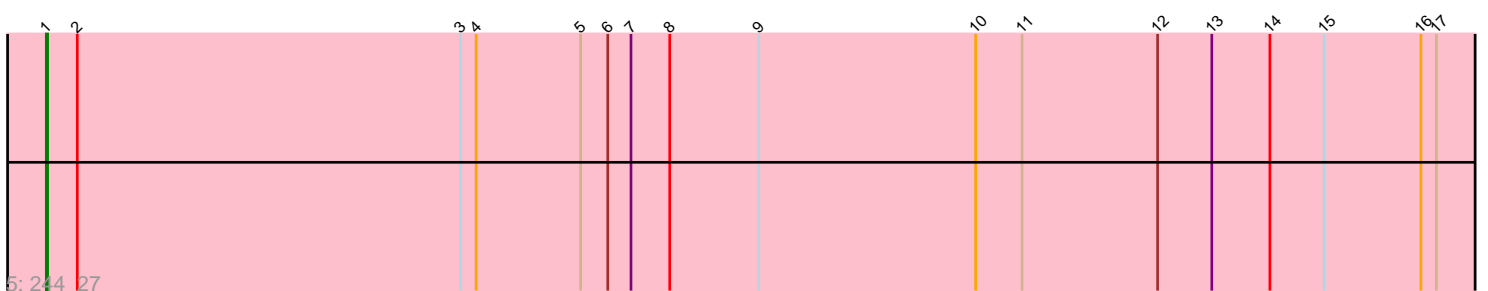
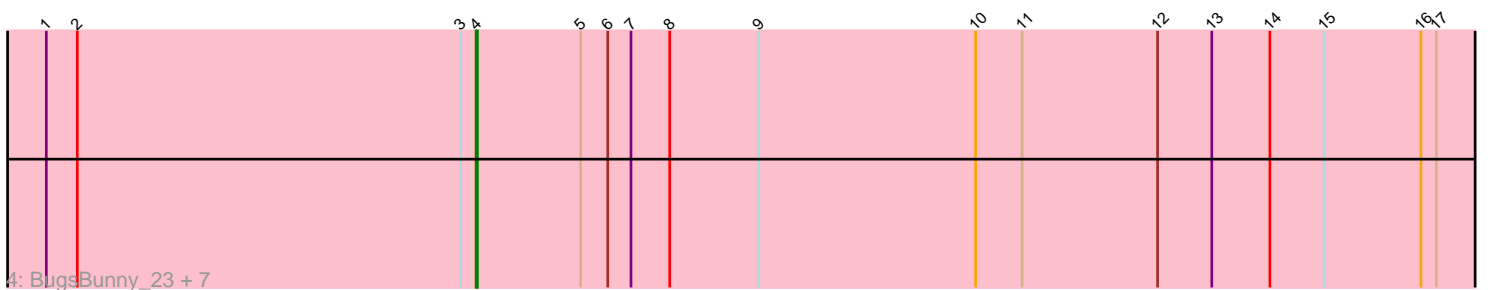
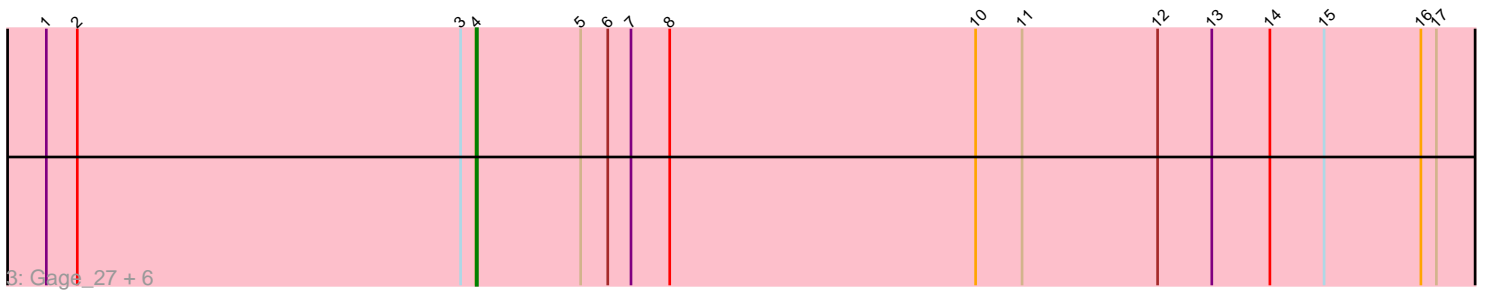
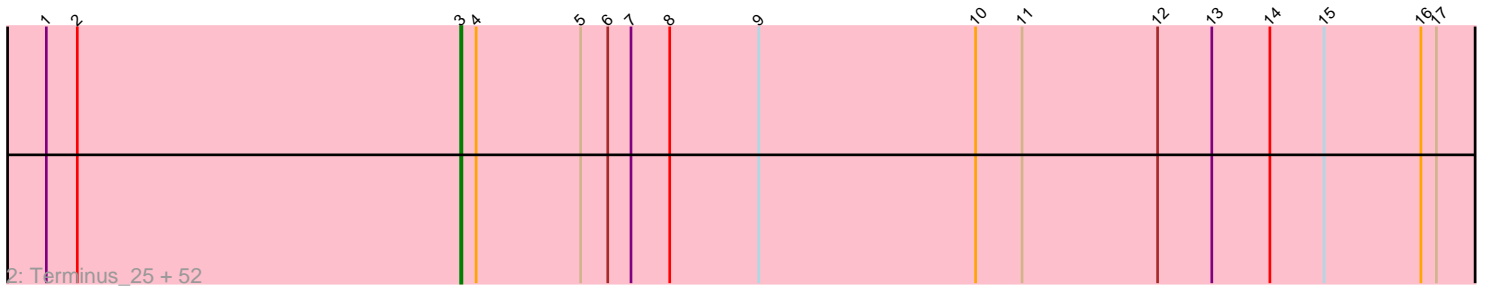
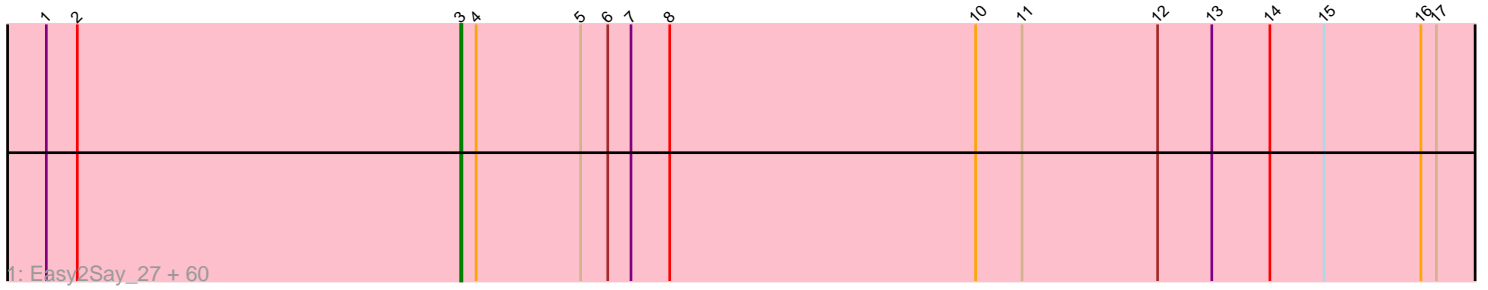


Pham 191145



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 191145 Report

This analysis was run 11/02/24 on database version 579.

Pham number 191145 has 130 members, 7 are drafts.

Phages represented in each track:

- Track 1 : Easy2Say_27, BaboJay_24, Manda_26, Goku_25, Dusk_24, BadStone_24, Pharsalus_26, Inca_24, Adnama_28, Gator_23, Stank_28, Phrux_25, Bruin_25, JeTaime_27, Goldilocks_26, Emmina_26, Moldemort_26, Tarkin_27, Paperbeatsrock_27, Contagion_24, Kimchi_27, Saints25_26, ShereKhan_27, Murphy_26, Myrale_25, Argent26_27, Wiggin_28, Mosby_24, Xandras_27, Barbarian_24, Tuco_26, Sotrice96_25, Pumpkin_27, Czyszczonek_26, StellaBean_25, Highbury_26, Kanye_27, Traaww1_23, Tomaszewski_24, TeardropMSU_24, Dumbo_25, Lilac_27, Ukulele_25, TBrady12_27, SirDuracell_24, Marshmallow_25, Teaspoon_26, SophKB_25, Gemini_28, Buck_24, Bench_27, Eureka_25, Cactus_26, Miniwave_25, Asriel_24, Stark_26, Maxxinista_26, GooberAzure_27, Thresher_26, Elph10_26, Icee_24
- Track 2 : Terminus_25, Murica_24, Balomoji_24, Command613_26, HanKaySha_26, DoctorDiddles_25, Phaux_24, Henry_25, Phaja_25, Bask21_25, ChotaBhai_25, DrDrey_26, Simpliphy_26, Policronamos_25, HufflyPuff_24, Nala_25, Lilpickle_24, Flypotenuse_23, FireRed_25, Willez_24, MISSy_24, Nimrod_25, ShamWow_25, StolenFromERC_27, Holt_26, Rimmer_24, Filch_26, MadamMonkfish_25, YassJohnny_26, Amao_25, ChosenOne_24, NoSleep_26, xkcd_26, Mindy_25, NelitzaMV_25, Hoonter_27, BigBubba_26, GoldenSpark_27, Pat3_24, IHOP_25, AmericanBeauty_27, Porky_25, Elite2014_24, Sassay_24, Kostya_25, Glexan_23, CrystalP_25, Misfit_25, PhatBacter_25, Lilizi_27, Hopey_27, Cookies_25, MPhalcon_24
- Track 3 : Gage_27, Cjw1_25, ABCat_24, Qualification_26, RiverMonster_25, Rakim_26, OrionPax_26
- Track 4 : BugsBunny_23, Harella_24, Palpatine_25, Petra64142_27, Daikon_23, BilboSwaggins_25, Youngblood_25, Toto_25
- Track 5 : 244_27

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

The start number called the most often in the published annotations is 3, it was called in 112 of the 123 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Adnama_28, Amao_25, AmericanBeauty_27, Argent26_27, Asriel_24, BaboJay_24, BadStone_24, Balomoji_24, Barbarian_24, Bask21_25, Bench_27, BigBubba_26, Bruin_25, Buck_24, Cactus_26, ChosenOne_24, ChotaBhai_25, Command613_26, Contagion_24, Cookies_25, CrystalP_25, Czyszczonek1_26, DoctorDiddles_25, DrDrey_26, Dumbo_25, Dusk_24, Easy2Say_27, Elite2014_24, Elph10_26, Emmina_26, Eureka_25, Filch_26, FireRed_25, Flypotenuse_23, Gator_23, Gemini_28, Glexan_23, Goku_25, GoldenSpark_27, Goldilocks_26, GooberAzure_27, HanKaySha_26, Henry_25, Highbury_26, Holt_26, Hoonter_27, Hopey_27, HufflyPuff_24, IHOP_25, Icee_24, Inca_24, JeTaime_27, Kanye_27, Kimchi_27, Kostya_25, Lilac_27, Lilizi_27, Lilpickle_24, MISSy_24, MPhalcon_24, MadamMonkfish_25, Manda_26, Marshmallow_25, Maxxinista_26, Mindy_25, Miniwave_25, Misfit_25, Moldemort_26, Mosby_24, Murica_24, Murphy_26, Myrale_25, Nala_25, NelitzaMV_25, Nimrod_25, NoSleep_26, Paperbeatsrock_27, Pat3_24, Phaja_25, Pharsalus_26, PhatBacter_25, Phaux_24, Phrux_25, Policronamos_25, Porky_25, Pumpkin_27, Rimmer_24, Saints25_26, Sassay_24, ShamWow_25, ShereKhan_27, Simpliphy_26, SirDuracell_24, SophKB_25, Sotrice96_25, Stank_28, Stark_26, StellaBean_25, StolenFromERC_27, TBrady12_27, Tarkin_27, TeardropMSU_24, Teaspoon_26, Terminus_25, Thresher_26, Tomaszewski_24, Traaww1_23, Tuco_26, Ukulele_25, Wiggin_28, Willez_24, Xandras_27, YassJohnny_26, xkcd_26,

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

- 244_27, ABCat_24, BilboSwaggins_25, BugsBunny_23, Cjw1_25, Daikon_23, Gage_27, Harella_24, OrionPax_26, Palpatine_25, Petra64142_27, Qualification_26, Rakim_26, RiverMonster_25, Toto_25, Youngblood_25,

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

-

Summary by start number:

Start 1:

- Found in 130 of 130 (100.0%) of genes in pham
- Manual Annotations of this start: 1 of 123
- Called 0.8% of time when present
- Phage (with cluster) where this start called: 244_27 (E),

Start 3:

- Found in 130 of 130 (100.0%) of genes in pham
- Manual Annotations of this start: 112 of 123
- Called 87.7% of time when present
- Phage (with cluster) where this start called: Adnama_28 (E), Amao_25 (E), AmericanBeauty_27 (E), Argent26_27 (E), Asriel_24 (E), BaboJay_24 (E), BadStone_24 (E), Balomoji_24 (E), Barbarian_24 (E), Bask21_25 (E), Bench_27 (E), BigBubba_26 (E), Bruin_25 (E), Buck_24 (E), Cactus_26 (E), ChosenOne_24 (E), ChotaBhai_25 (E), Command613_26 (E), Contagion_24 (E), Cookies_25 (E), CrystalP_25 (E), Czyszczonek1_26 (E), DoctorDiddles_25 (E), DrDrey_26 (E), Dumbo_25 (E), Dusk_24 (E), Easy2Say_27 (E), Elite2014_24 (E), Elph10_26 (E), Emmina_26 (E), Eureka_25 (E), Filch_26 (E), FireRed_25 (E), Flypotenuse_23 (E), Gator_23 (E), Gemini_28 (E), Glexan_23 (E), Goku_25 (E), GoldenSpark_27 (E), Goldilocks_26 (E), GooberAzure_27 (E), HanKaySha_26 (E), Henry_25 (E), Highbury_26 (E), Holt_26 (E), Hoonter_27 (E), Hopey_27 (E), HufflyPuff_24 (E), IHOP_25 (E), Icee_24 (E), Inca_24 (E), JeTaime_27 (E), Kanye_27 (E), Kimchi_27

(E), Kostya_25 (E), Lilac_27 (E), Lilizi_27 (E), Lilpickle_24 (E), MISSy_24 (E), MPhalcon_24 (E), MadamMonkfish_25 (E), Manda_26 (E), Marshmallow_25 (E), Maxxinista_26 (E), Mindy_25 (E), Miniwave_25 (E), Misfit_25 (E), Moldemort_26 (E), Mosby_24 (E), Murica_24 (E), Murphy_26 (E), Myrale_25 (E), Nala_25 (E), NelitzaMV_25 (E), Nimrod_25 (E), NoSleep_26 (E), Paperbeatsrock_27 (E), Pat3_24 (E), Phaja_25 (E), Pharsalus_26 (E), PhatBacter_25 (E), Phaux_24 (E), Phrux_25 (E), Policronamos_25 (E), Porky_25 (E), Pumpkin_27 (E), Rimmer_24 (E), Saints25_26 (E), Sassay_24 (E), ShamWow_25 (E), ShereKhan_27 (E), Simpliphy_26 (E), SirDuracell_24 (E), SophKB_25 (E), Sotrice96_25 (E), Stank_28 (E), Stark_26 (E), StellaBean_25 (E), StolenFromERC_27 (E), TBrady12_27 (E), Tarkin_27 (E), TeardropMSU_24 (E), Teaspoon_26 (E), Terminus_25 (E), Thresher_26 (E), Tomaszewski_24 (E), Traaww1_23 (E), Tuco_26 (E), Ukulele_25 (E), Wiggin_28 (E), Willez_24 (E), Xandras_27 (E), YassJohnny_26 (E), xkcd_26 (E),

Start 4:

- Found in 130 of 130 (100.0%) of genes in pham
- Manual Annotations of this start: 10 of 123
- Called 11.5% of time when present
- Phage (with cluster) where this start called: ABCat_24 (E), BilboSwaggins_25 (E), BugsBunny_23 (E), Cjw1_25 (E), Daikon_23 (E), Gage_27 (E), Harella_24 (E), OrionPax_26 (E), Palpatine_25 (E), Petra64142_27 (E), Quallification_26 (E), Rakim_26 (E), RiverMonster_25 (E), Toto_25 (E), Youngblood_25 (E),

Summary by clusters:

There is one cluster represented in this pham: E

Info for manual annotations of cluster E:

- Start number 1 was manually annotated 1 time for cluster E.
- Start number 3 was manually annotated 112 times for cluster E.
- Start number 4 was manually annotated 10 times for cluster E.

Gene Information:

Gene: 244_27 Start: 21393, Stop: 22547, Start Num: 1

Candidate Starts for 244_27:

(Start: 1 @21393 has 1 MA's), (2, 21417), (Start: 3 @21714 has 112 MA's), (Start: 4 @21726 has 10 MA's), (5, 21807), (6, 21828), (7, 21846), (8, 21876), (9, 21945), (10, 22113), (11, 22149), (12, 22254), (13, 22296), (14, 22341), (15, 22383), (16, 22458), (17, 22470),

Gene: ABCat_24 Start: 21445, Stop: 22266, Start Num: 4

Candidate Starts for ABCat_24:

(Start: 1 @21112 has 1 MA's), (2, 21136), (Start: 3 @21433 has 112 MA's), (Start: 4 @21445 has 10 MA's), (5, 21526), (6, 21547), (7, 21565), (8, 21595), (10, 21832), (11, 21868), (12, 21973), (13, 22015), (14, 22060), (15, 22102), (16, 22177), (17, 22189),

Gene: Adnama_28 Start: 21941, Stop: 22774, Start Num: 3

Candidate Starts for Adnama_28:

(Start: 1 @21620 has 1 MA's), (2, 21644), (Start: 3 @21941 has 112 MA's), (Start: 4 @21953 has 10 MA's), (5, 22034), (6, 22055), (7, 22073), (8, 22103), (10, 22340), (11, 22376), (12, 22481), (13, 22523), (14, 22568), (15, 22610), (16, 22685), (17, 22697),

Gene: Amao_25 Start: 20638, Stop: 21471, Start Num: 3

Candidate Starts for Amao_25:

(Start: 1 @20317 has 1 MA's), (2, 20341), (Start: 3 @20638 has 112 MA's), (Start: 4 @20650 has 10 MA's), (5, 20731), (6, 20752), (7, 20770), (8, 20800), (9, 20869), (10, 21037), (11, 21073), (12, 21178), (13, 21220), (14, 21265), (15, 21307), (16, 21382), (17, 21394),

Gene: AmericanBeauty_27 Start: 21421, Stop: 22254, Start Num: 3

Candidate Starts for AmericanBeauty_27:

(Start: 1 @21100 has 1 MA's), (2, 21124), (Start: 3 @21421 has 112 MA's), (Start: 4 @21433 has 10 MA's), (5, 21514), (6, 21535), (7, 21553), (8, 21583), (9, 21652), (10, 21820), (11, 21856), (12, 21961), (13, 22003), (14, 22048), (15, 22090), (16, 22165), (17, 22177),

Gene: Argent26_27 Start: 21424, Stop: 22257, Start Num: 3

Candidate Starts for Argent26_27:

(Start: 1 @21103 has 1 MA's), (2, 21127), (Start: 3 @21424 has 112 MA's), (Start: 4 @21436 has 10 MA's), (5, 21517), (6, 21538), (7, 21556), (8, 21586), (10, 21823), (11, 21859), (12, 21964), (13, 22006), (14, 22051), (15, 22093), (16, 22168), (17, 22180),

Gene: Asriel_24 Start: 20302, Stop: 21135, Start Num: 3

Candidate Starts for Asriel_24:

(Start: 1 @19981 has 1 MA's), (2, 20005), (Start: 3 @20302 has 112 MA's), (Start: 4 @20314 has 10 MA's), (5, 20395), (6, 20416), (7, 20434), (8, 20464), (10, 20701), (11, 20737), (12, 20842), (13, 20884), (14, 20929), (15, 20971), (16, 21046), (17, 21058),

Gene: BaboJay_24 Start: 20984, Stop: 21817, Start Num: 3

Candidate Starts for BaboJay_24:

(Start: 1 @20663 has 1 MA's), (2, 20687), (Start: 3 @20984 has 112 MA's), (Start: 4 @20996 has 10 MA's), (5, 21077), (6, 21098), (7, 21116), (8, 21146), (10, 21383), (11, 21419), (12, 21524), (13, 21566), (14, 21611), (15, 21653), (16, 21728), (17, 21740),

Gene: BadStone_24 Start: 21433, Stop: 22266, Start Num: 3

Candidate Starts for BadStone_24:

(Start: 1 @21112 has 1 MA's), (2, 21136), (Start: 3 @21433 has 112 MA's), (Start: 4 @21445 has 10 MA's), (5, 21526), (6, 21547), (7, 21565), (8, 21595), (10, 21832), (11, 21868), (12, 21973), (13, 22015), (14, 22060), (15, 22102), (16, 22177), (17, 22189),

Gene: Balomoji_24 Start: 21167, Stop: 22000, Start Num: 3

Candidate Starts for Balomoji_24:

(Start: 1 @20846 has 1 MA's), (2, 20870), (Start: 3 @21167 has 112 MA's), (Start: 4 @21179 has 10 MA's), (5, 21260), (6, 21281), (7, 21299), (8, 21329), (9, 21398), (10, 21566), (11, 21602), (12, 21707), (13, 21749), (14, 21794), (15, 21836), (16, 21911), (17, 21923),

Gene: Barbarian_24 Start: 20302, Stop: 21135, Start Num: 3

Candidate Starts for Barbarian_24:

(Start: 1 @19981 has 1 MA's), (2, 20005), (Start: 3 @20302 has 112 MA's), (Start: 4 @20314 has 10 MA's), (5, 20395), (6, 20416), (7, 20434), (8, 20464), (10, 20701), (11, 20737), (12, 20842), (13, 20884), (14, 20929), (15, 20971), (16, 21046), (17, 21058),

Gene: Bask21_25 Start: 20613, Stop: 21446, Start Num: 3

Candidate Starts for Bask21_25:

(Start: 1 @20292 has 1 MA's), (2, 20316), (Start: 3 @20613 has 112 MA's), (Start: 4 @20625 has 10 MA's), (5, 20706), (6, 20727), (7, 20745), (8, 20775), (9, 20844), (10, 21012), (11, 21048), (12, 21153),

(13, 21195), (14, 21240), (15, 21282), (16, 21357), (17, 21369),

Gene: Bench_27 Start: 21294, Stop: 22127, Start Num: 3

Candidate Starts for Bench_27:

(Start: 1 @20973 has 1 MA's), (2, 20997), (Start: 3 @21294 has 112 MA's), (Start: 4 @21306 has 10 MA's), (5, 21387), (6, 21408), (7, 21426), (8, 21456), (10, 21693), (11, 21729), (12, 21834), (13, 21876), (14, 21921), (15, 21963), (16, 22038), (17, 22050),

Gene: BigBubba_26 Start: 21197, Stop: 22030, Start Num: 3

Candidate Starts for BigBubba_26:

(Start: 1 @20876 has 1 MA's), (2, 20900), (Start: 3 @21197 has 112 MA's), (Start: 4 @21209 has 10 MA's), (5, 21290), (6, 21311), (7, 21329), (8, 21359), (9, 21428), (10, 21596), (11, 21632), (12, 21737), (13, 21779), (14, 21824), (15, 21866), (16, 21941), (17, 21953),

Gene: BilboSwaggins_25 Start: 21446, Stop: 22267, Start Num: 4

Candidate Starts for BilboSwaggins_25:

(Start: 1 @21113 has 1 MA's), (2, 21137), (Start: 3 @21434 has 112 MA's), (Start: 4 @21446 has 10 MA's), (5, 21527), (6, 21548), (7, 21566), (8, 21596), (9, 21665), (10, 21833), (11, 21869), (12, 21974), (13, 22016), (14, 22061), (15, 22103), (16, 22178), (17, 22190),

Gene: Bruin_25 Start: 21457, Stop: 22290, Start Num: 3

Candidate Starts for Bruin_25:

(Start: 1 @21136 has 1 MA's), (2, 21160), (Start: 3 @21457 has 112 MA's), (Start: 4 @21469 has 10 MA's), (5, 21550), (6, 21571), (7, 21589), (8, 21619), (10, 21856), (11, 21892), (12, 21997), (13, 22039), (14, 22084), (15, 22126), (16, 22201), (17, 22213),

Gene: Buck_24 Start: 21390, Stop: 22223, Start Num: 3

Candidate Starts for Buck_24:

(Start: 1 @21069 has 1 MA's), (2, 21093), (Start: 3 @21390 has 112 MA's), (Start: 4 @21402 has 10 MA's), (5, 21483), (6, 21504), (7, 21522), (8, 21552), (10, 21789), (11, 21825), (12, 21930), (13, 21972), (14, 22017), (15, 22059), (16, 22134), (17, 22146),

Gene: BugsBunny_23 Start: 21035, Stop: 21856, Start Num: 4

Candidate Starts for BugsBunny_23:

(Start: 1 @20702 has 1 MA's), (2, 20726), (Start: 3 @21023 has 112 MA's), (Start: 4 @21035 has 10 MA's), (5, 21116), (6, 21137), (7, 21155), (8, 21185), (9, 21254), (10, 21422), (11, 21458), (12, 21563), (13, 21605), (14, 21650), (15, 21692), (16, 21767), (17, 21779),

Gene: Cactus_26 Start: 20646, Stop: 21479, Start Num: 3

Candidate Starts for Cactus_26:

(Start: 1 @20325 has 1 MA's), (2, 20349), (Start: 3 @20646 has 112 MA's), (Start: 4 @20658 has 10 MA's), (5, 20739), (6, 20760), (7, 20778), (8, 20808), (10, 21045), (11, 21081), (12, 21186), (13, 21228), (14, 21273), (15, 21315), (16, 21390), (17, 21402),

Gene: ChosenOne_24 Start: 20641, Stop: 21474, Start Num: 3

Candidate Starts for ChosenOne_24:

(Start: 1 @20320 has 1 MA's), (2, 20344), (Start: 3 @20641 has 112 MA's), (Start: 4 @20653 has 10 MA's), (5, 20734), (6, 20755), (7, 20773), (8, 20803), (9, 20872), (10, 21040), (11, 21076), (12, 21181), (13, 21223), (14, 21268), (15, 21310), (16, 21385), (17, 21397),

Gene: ChotaBhai_25 Start: 20683, Stop: 21516, Start Num: 3

Candidate Starts for ChotaBhai_25:

(Start: 1 @20362 has 1 MA's), (2, 20386), (Start: 3 @20683 has 112 MA's), (Start: 4 @20695 has 10 MA's), (5, 20776), (6, 20797), (7, 20815), (8, 20845), (9, 20914), (10, 21082), (11, 21118), (12, 21223), (13, 21265), (14, 21310), (15, 21352), (16, 21427), (17, 21439),

Gene: Cjw1_25 Start: 22206, Stop: 23027, Start Num: 4

Candidate Starts for Cjw1_25:

(Start: 1 @21873 has 1 MA's), (2, 21897), (Start: 3 @22194 has 112 MA's), (Start: 4 @22206 has 10 MA's), (5, 22287), (6, 22308), (7, 22326), (8, 22356), (10, 22593), (11, 22629), (12, 22734), (13, 22776), (14, 22821), (15, 22863), (16, 22938), (17, 22950),

Gene: Command613_26 Start: 21702, Stop: 22535, Start Num: 3

Candidate Starts for Command613_26:

(Start: 1 @21381 has 1 MA's), (2, 21405), (Start: 3 @21702 has 112 MA's), (Start: 4 @21714 has 10 MA's), (5, 21795), (6, 21816), (7, 21834), (8, 21864), (9, 21933), (10, 22101), (11, 22137), (12, 22242), (13, 22284), (14, 22329), (15, 22371), (16, 22446), (17, 22458),

Gene: Contagion_24 Start: 20941, Stop: 21774, Start Num: 3

Candidate Starts for Contagion_24:

(Start: 1 @20620 has 1 MA's), (2, 20644), (Start: 3 @20941 has 112 MA's), (Start: 4 @20953 has 10 MA's), (5, 21034), (6, 21055), (7, 21073), (8, 21103), (10, 21340), (11, 21376), (12, 21481), (13, 21523), (14, 21568), (15, 21610), (16, 21685), (17, 21697),

Gene: Cookies_25 Start: 21303, Stop: 22136, Start Num: 3

Candidate Starts for Cookies_25:

(Start: 1 @20982 has 1 MA's), (2, 21006), (Start: 3 @21303 has 112 MA's), (Start: 4 @21315 has 10 MA's), (5, 21396), (6, 21417), (7, 21435), (8, 21465), (9, 21534), (10, 21702), (11, 21738), (12, 21843), (13, 21885), (14, 21930), (15, 21972), (16, 22047), (17, 22059),

Gene: CrystalP_25 Start: 21434, Stop: 22267, Start Num: 3

Candidate Starts for CrystalP_25:

(Start: 1 @21113 has 1 MA's), (2, 21137), (Start: 3 @21434 has 112 MA's), (Start: 4 @21446 has 10 MA's), (5, 21527), (6, 21548), (7, 21566), (8, 21596), (9, 21665), (10, 21833), (11, 21869), (12, 21974), (13, 22016), (14, 22061), (15, 22103), (16, 22178), (17, 22190),

Gene: Czyszczone1_26 Start: 21179, Stop: 22012, Start Num: 3

Candidate Starts for Czyszczone1_26:

(Start: 1 @20858 has 1 MA's), (2, 20882), (Start: 3 @21179 has 112 MA's), (Start: 4 @21191 has 10 MA's), (5, 21272), (6, 21293), (7, 21311), (8, 21341), (10, 21578), (11, 21614), (12, 21719), (13, 21761), (14, 21806), (15, 21848), (16, 21923), (17, 21935),

Gene: Daikon_23 Start: 21183, Stop: 22004, Start Num: 4

Candidate Starts for Daikon_23:

(Start: 1 @20850 has 1 MA's), (2, 20874), (Start: 3 @21171 has 112 MA's), (Start: 4 @21183 has 10 MA's), (5, 21264), (6, 21285), (7, 21303), (8, 21333), (9, 21402), (10, 21570), (11, 21606), (12, 21711), (13, 21753), (14, 21798), (15, 21840), (16, 21915), (17, 21927),

Gene: DoctorDiddles_25 Start: 20596, Stop: 21429, Start Num: 3

Candidate Starts for DoctorDiddles_25:

(Start: 1 @20275 has 1 MA's), (2, 20299), (Start: 3 @20596 has 112 MA's), (Start: 4 @20608 has 10 MA's), (5, 20689), (6, 20710), (7, 20728), (8, 20758), (9, 20827), (10, 20995), (11, 21031), (12, 21136), (13, 21178), (14, 21223), (15, 21265), (16, 21340), (17, 21352),

Gene: DrDrey_26 Start: 21926, Stop: 22759, Start Num: 3

Candidate Starts for DrDrey_26:

(Start: 1 @21605 has 1 MA's), (2, 21629), (Start: 3 @21926 has 112 MA's), (Start: 4 @21938 has 10 MA's), (5, 22019), (6, 22040), (7, 22058), (8, 22088), (9, 22157), (10, 22325), (11, 22361), (12, 22466), (13, 22508), (14, 22553), (15, 22595), (16, 22670), (17, 22682),

Gene: Dumbo_25 Start: 20901, Stop: 21734, Start Num: 3

Candidate Starts for Dumbo_25:

(Start: 1 @20580 has 1 MA's), (2, 20604), (Start: 3 @20901 has 112 MA's), (Start: 4 @20913 has 10 MA's), (5, 20994), (6, 21015), (7, 21033), (8, 21063), (10, 21300), (11, 21336), (12, 21441), (13, 21483), (14, 21528), (15, 21570), (16, 21645), (17, 21657),

Gene: Dusk_24 Start: 21093, Stop: 21926, Start Num: 3

Candidate Starts for Dusk_24:

(Start: 1 @20772 has 1 MA's), (2, 20796), (Start: 3 @21093 has 112 MA's), (Start: 4 @21105 has 10 MA's), (5, 21186), (6, 21207), (7, 21225), (8, 21255), (10, 21492), (11, 21528), (12, 21633), (13, 21675), (14, 21720), (15, 21762), (16, 21837), (17, 21849),

Gene: Easy2Say_27 Start: 22684, Stop: 23517, Start Num: 3

Candidate Starts for Easy2Say_27:

(Start: 1 @22363 has 1 MA's), (2, 22387), (Start: 3 @22684 has 112 MA's), (Start: 4 @22696 has 10 MA's), (5, 22777), (6, 22798), (7, 22816), (8, 22846), (10, 23083), (11, 23119), (12, 23224), (13, 23266), (14, 23311), (15, 23353), (16, 23428), (17, 23440),

Gene: Elite2014_24 Start: 20641, Stop: 21474, Start Num: 3

Candidate Starts for Elite2014_24:

(Start: 1 @20320 has 1 MA's), (2, 20344), (Start: 3 @20641 has 112 MA's), (Start: 4 @20653 has 10 MA's), (5, 20734), (6, 20755), (7, 20773), (8, 20803), (9, 20872), (10, 21040), (11, 21076), (12, 21181), (13, 21223), (14, 21268), (15, 21310), (16, 21385), (17, 21397),

Gene: Elph10_26 Start: 20904, Stop: 21737, Start Num: 3

Candidate Starts for Elph10_26:

(Start: 1 @20583 has 1 MA's), (2, 20607), (Start: 3 @20904 has 112 MA's), (Start: 4 @20916 has 10 MA's), (5, 20997), (6, 21018), (7, 21036), (8, 21066), (10, 21303), (11, 21339), (12, 21444), (13, 21486), (14, 21531), (15, 21573), (16, 21648), (17, 21660),

Gene: Emmina_26 Start: 21265, Stop: 22098, Start Num: 3

Candidate Starts for Emmina_26:

(Start: 1 @20944 has 1 MA's), (2, 20968), (Start: 3 @21265 has 112 MA's), (Start: 4 @21277 has 10 MA's), (5, 21358), (6, 21379), (7, 21397), (8, 21427), (10, 21664), (11, 21700), (12, 21805), (13, 21847), (14, 21892), (15, 21934), (16, 22009), (17, 22021),

Gene: Eureka_25 Start: 21419, Stop: 22252, Start Num: 3

Candidate Starts for Eureka_25:

(Start: 1 @21098 has 1 MA's), (2, 21122), (Start: 3 @21419 has 112 MA's), (Start: 4 @21431 has 10 MA's), (5, 21512), (6, 21533), (7, 21551), (8, 21581), (10, 21818), (11, 21854), (12, 21959), (13, 22001), (14, 22046), (15, 22088), (16, 22163), (17, 22175),

Gene: Filch_26 Start: 21192, Stop: 22025, Start Num: 3

Candidate Starts for Filch_26:

(Start: 1 @20871 has 1 MA's), (2, 20895), (Start: 3 @21192 has 112 MA's), (Start: 4 @21204 has 10 MA's), (5, 21285), (6, 21306), (7, 21324), (8, 21354), (9, 21423), (10, 21591), (11, 21627), (12, 21732), (13, 21774), (14, 21819), (15, 21861), (16, 21936), (17, 21948),

Gene: FireRed_25 Start: 21462, Stop: 22295, Start Num: 3

Candidate Starts for FireRed_25:

(Start: 1 @21141 has 1 MA's), (2, 21165), (Start: 3 @21462 has 112 MA's), (Start: 4 @21474 has 10 MA's), (5, 21555), (6, 21576), (7, 21594), (8, 21624), (9, 21693), (10, 21861), (11, 21897), (12, 22002), (13, 22044), (14, 22089), (15, 22131), (16, 22206), (17, 22218),

Gene: Flypotenuse_23 Start: 21050, Stop: 21883, Start Num: 3

Candidate Starts for Flypotenuse_23:

(Start: 1 @20729 has 1 MA's), (2, 20753), (Start: 3 @21050 has 112 MA's), (Start: 4 @21062 has 10 MA's), (5, 21143), (6, 21164), (7, 21182), (8, 21212), (9, 21281), (10, 21449), (11, 21485), (12, 21590), (13, 21632), (14, 21677), (15, 21719), (16, 21794), (17, 21806),

Gene: Gage_27 Start: 21436, Stop: 22257, Start Num: 4

Candidate Starts for Gage_27:

(Start: 1 @21103 has 1 MA's), (2, 21127), (Start: 3 @21424 has 112 MA's), (Start: 4 @21436 has 10 MA's), (5, 21517), (6, 21538), (7, 21556), (8, 21586), (10, 21823), (11, 21859), (12, 21964), (13, 22006), (14, 22051), (15, 22093), (16, 22168), (17, 22180),

Gene: Gator_23 Start: 21049, Stop: 21882, Start Num: 3

Candidate Starts for Gator_23:

(Start: 1 @20728 has 1 MA's), (2, 20752), (Start: 3 @21049 has 112 MA's), (Start: 4 @21061 has 10 MA's), (5, 21142), (6, 21163), (7, 21181), (8, 21211), (10, 21448), (11, 21484), (12, 21589), (13, 21631), (14, 21676), (15, 21718), (16, 21793), (17, 21805),

Gene: Gemini_28 Start: 21941, Stop: 22774, Start Num: 3

Candidate Starts for Gemini_28:

(Start: 1 @21620 has 1 MA's), (2, 21644), (Start: 3 @21941 has 112 MA's), (Start: 4 @21953 has 10 MA's), (5, 22034), (6, 22055), (7, 22073), (8, 22103), (10, 22340), (11, 22376), (12, 22481), (13, 22523), (14, 22568), (15, 22610), (16, 22685), (17, 22697),

Gene: Glexan_23 Start: 21050, Stop: 21883, Start Num: 3

Candidate Starts for Glexan_23:

(Start: 1 @20729 has 1 MA's), (2, 20753), (Start: 3 @21050 has 112 MA's), (Start: 4 @21062 has 10 MA's), (5, 21143), (6, 21164), (7, 21182), (8, 21212), (9, 21281), (10, 21449), (11, 21485), (12, 21590), (13, 21632), (14, 21677), (15, 21719), (16, 21794), (17, 21806),

Gene: Goku_25 Start: 21148, Stop: 21981, Start Num: 3

Candidate Starts for Goku_25:

(Start: 1 @20827 has 1 MA's), (2, 20851), (Start: 3 @21148 has 112 MA's), (Start: 4 @21160 has 10 MA's), (5, 21241), (6, 21262), (7, 21280), (8, 21310), (10, 21547), (11, 21583), (12, 21688), (13, 21730), (14, 21775), (15, 21817), (16, 21892), (17, 21904),

Gene: GoldenSpark_27 Start: 21424, Stop: 22257, Start Num: 3

Candidate Starts for GoldenSpark_27:

(Start: 1 @21103 has 1 MA's), (2, 21127), (Start: 3 @21424 has 112 MA's), (Start: 4 @21436 has 10 MA's), (5, 21517), (6, 21538), (7, 21556), (8, 21586), (9, 21655), (10, 21823), (11, 21859), (12, 21964), (13, 22006), (14, 22051), (15, 22093), (16, 22168), (17, 22180),

Gene: Goldilocks_26 Start: 20844, Stop: 21677, Start Num: 3

Candidate Starts for Goldilocks_26:

(Start: 1 @20523 has 1 MA's), (2, 20547), (Start: 3 @20844 has 112 MA's), (Start: 4 @20856 has 10 MA's), (5, 20937), (6, 20958), (7, 20976), (8, 21006), (10, 21243), (11, 21279), (12, 21384), (13, 21426), (14, 21471), (15, 21513), (16, 21588), (17, 21600),

Gene: GooberAzure_27 Start: 21424, Stop: 22257, Start Num: 3

Candidate Starts for GooberAzure_27:

(Start: 1 @21103 has 1 MA's), (2, 21127), (Start: 3 @21424 has 112 MA's), (Start: 4 @21436 has 10 MA's), (5, 21517), (6, 21538), (7, 21556), (8, 21586), (10, 21823), (11, 21859), (12, 21964), (13, 22006), (14, 22051), (15, 22093), (16, 22168), (17, 22180),

Gene: HanKaySha_26 Start: 21176, Stop: 22009, Start Num: 3

Candidate Starts for HanKaySha_26:

(Start: 1 @20855 has 1 MA's), (2, 20879), (Start: 3 @21176 has 112 MA's), (Start: 4 @21188 has 10 MA's), (5, 21269), (6, 21290), (7, 21308), (8, 21338), (9, 21407), (10, 21575), (11, 21611), (12, 21716), (13, 21758), (14, 21803), (15, 21845), (16, 21920), (17, 21932),

Gene: Harella_24 Start: 21578, Stop: 22399, Start Num: 4

Candidate Starts for Harella_24:

(Start: 1 @21245 has 1 MA's), (2, 21269), (Start: 3 @21566 has 112 MA's), (Start: 4 @21578 has 10 MA's), (5, 21659), (6, 21680), (7, 21698), (8, 21728), (9, 21797), (10, 21965), (11, 22001), (12, 22106), (13, 22148), (14, 22193), (15, 22235), (16, 22310), (17, 22322),

Gene: Henry_25 Start: 21433, Stop: 22266, Start Num: 3

Candidate Starts for Henry_25:

(Start: 1 @21112 has 1 MA's), (2, 21136), (Start: 3 @21433 has 112 MA's), (Start: 4 @21445 has 10 MA's), (5, 21526), (6, 21547), (7, 21565), (8, 21595), (9, 21664), (10, 21832), (11, 21868), (12, 21973), (13, 22015), (14, 22060), (15, 22102), (16, 22177), (17, 22189),

Gene: Highbury_26 Start: 21095, Stop: 21928, Start Num: 3

Candidate Starts for Highbury_26:

(Start: 1 @20774 has 1 MA's), (2, 20798), (Start: 3 @21095 has 112 MA's), (Start: 4 @21107 has 10 MA's), (5, 21188), (6, 21209), (7, 21227), (8, 21257), (10, 21494), (11, 21530), (12, 21635), (13, 21677), (14, 21722), (15, 21764), (16, 21839), (17, 21851),

Gene: Holt_26 Start: 20714, Stop: 21547, Start Num: 3

Candidate Starts for Holt_26:

(Start: 1 @20393 has 1 MA's), (2, 20417), (Start: 3 @20714 has 112 MA's), (Start: 4 @20726 has 10 MA's), (5, 20807), (6, 20828), (7, 20846), (8, 20876), (9, 20945), (10, 21113), (11, 21149), (12, 21254), (13, 21296), (14, 21341), (15, 21383), (16, 21458), (17, 21470),

Gene: Hoonter_27 Start: 21424, Stop: 22257, Start Num: 3

Candidate Starts for Hoonter_27:

(Start: 1 @21103 has 1 MA's), (2, 21127), (Start: 3 @21424 has 112 MA's), (Start: 4 @21436 has 10 MA's), (5, 21517), (6, 21538), (7, 21556), (8, 21586), (9, 21655), (10, 21823), (11, 21859), (12, 21964), (13, 22006), (14, 22051), (15, 22093), (16, 22168), (17, 22180),

Gene: Hokey_27 Start: 21711, Stop: 22544, Start Num: 3

Candidate Starts for Hokey_27:

(Start: 1 @21390 has 1 MA's), (2, 21414), (Start: 3 @21711 has 112 MA's), (Start: 4 @21723 has 10 MA's), (5, 21804), (6, 21825), (7, 21843), (8, 21873), (9, 21942), (10, 22110), (11, 22146), (12, 22251), (13, 22293), (14, 22338), (15, 22380), (16, 22455), (17, 22467),

Gene: HufflyPuff_24 Start: 21418, Stop: 22251, Start Num: 3

Candidate Starts for HufflyPuff_24:

(Start: 1 @21097 has 1 MA's), (2, 21121), (Start: 3 @21418 has 112 MA's), (Start: 4 @21430 has 10 MA's), (5, 21511), (6, 21532), (7, 21550), (8, 21580), (9, 21649), (10, 21817), (11, 21853), (12, 21958),

(13, 22000), (14, 22045), (15, 22087), (16, 22162), (17, 22174),

Gene: IHOP_25 Start: 21610, Stop: 22443, Start Num: 3

Candidate Starts for IHOP_25:

(Start: 1 @21289 has 1 MA's), (2, 21313), (Start: 3 @21610 has 112 MA's), (Start: 4 @21622 has 10 MA's), (5, 21703), (6, 21724), (7, 21742), (8, 21772), (9, 21841), (10, 22009), (11, 22045), (12, 22150), (13, 22192), (14, 22237), (15, 22279), (16, 22354), (17, 22366),

Gene: Icee_24 Start: 21093, Stop: 21926, Start Num: 3

Candidate Starts for Icee_24:

(Start: 1 @20772 has 1 MA's), (2, 20796), (Start: 3 @21093 has 112 MA's), (Start: 4 @21105 has 10 MA's), (5, 21186), (6, 21207), (7, 21225), (8, 21255), (10, 21492), (11, 21528), (12, 21633), (13, 21675), (14, 21720), (15, 21762), (16, 21837), (17, 21849),

Gene: Inca_24 Start: 20113, Stop: 20946, Start Num: 3

Candidate Starts for Inca_24:

(Start: 1 @19792 has 1 MA's), (2, 19816), (Start: 3 @20113 has 112 MA's), (Start: 4 @20125 has 10 MA's), (5, 20206), (6, 20227), (7, 20245), (8, 20275), (10, 20512), (11, 20548), (12, 20653), (13, 20695), (14, 20740), (15, 20782), (16, 20857), (17, 20869),

Gene: JeTaime_27 Start: 22235, Stop: 23068, Start Num: 3

Candidate Starts for JeTaime_27:

(Start: 1 @21914 has 1 MA's), (2, 21938), (Start: 3 @22235 has 112 MA's), (Start: 4 @22247 has 10 MA's), (5, 22328), (6, 22349), (7, 22367), (8, 22397), (10, 22634), (11, 22670), (12, 22775), (13, 22817), (14, 22862), (15, 22904), (16, 22979), (17, 22991),

Gene: Kanye_27 Start: 22420, Stop: 23253, Start Num: 3

Candidate Starts for Kanye_27:

(Start: 1 @22099 has 1 MA's), (2, 22123), (Start: 3 @22420 has 112 MA's), (Start: 4 @22432 has 10 MA's), (5, 22513), (6, 22534), (7, 22552), (8, 22582), (10, 22819), (11, 22855), (12, 22960), (13, 23002), (14, 23047), (15, 23089), (16, 23164), (17, 23176),

Gene: Kimchi_27 Start: 21427, Stop: 22260, Start Num: 3

Candidate Starts for Kimchi_27:

(Start: 1 @21106 has 1 MA's), (2, 21130), (Start: 3 @21427 has 112 MA's), (Start: 4 @21439 has 10 MA's), (5, 21520), (6, 21541), (7, 21559), (8, 21589), (10, 21826), (11, 21862), (12, 21967), (13, 22009), (14, 22054), (15, 22096), (16, 22171), (17, 22183),

Gene: Kostya_25 Start: 21433, Stop: 22266, Start Num: 3

Candidate Starts for Kostya_25:

(Start: 1 @21112 has 1 MA's), (2, 21136), (Start: 3 @21433 has 112 MA's), (Start: 4 @21445 has 10 MA's), (5, 21526), (6, 21547), (7, 21565), (8, 21595), (9, 21664), (10, 21832), (11, 21868), (12, 21973), (13, 22015), (14, 22060), (15, 22102), (16, 22177), (17, 22189),

Gene: Lilac_27 Start: 20931, Stop: 21764, Start Num: 3

Candidate Starts for Lilac_27:

(Start: 1 @20610 has 1 MA's), (2, 20634), (Start: 3 @20931 has 112 MA's), (Start: 4 @20943 has 10 MA's), (5, 21024), (6, 21045), (7, 21063), (8, 21093), (10, 21330), (11, 21366), (12, 21471), (13, 21513), (14, 21558), (15, 21600), (16, 21675), (17, 21687),

Gene: Lilizi_27 Start: 21139, Stop: 21972, Start Num: 3

Candidate Starts for Lilizi_27:

(Start: 1 @20818 has 1 MA's), (2, 20842), (Start: 3 @21139 has 112 MA's), (Start: 4 @21151 has 10 MA's), (5, 21232), (6, 21253), (7, 21271), (8, 21301), (9, 21370), (10, 21538), (11, 21574), (12, 21679), (13, 21721), (14, 21766), (15, 21808), (16, 21883), (17, 21895),

Gene: Lilpickle_24 Start: 20641, Stop: 21474, Start Num: 3

Candidate Starts for Lilpickle_24:

(Start: 1 @20320 has 1 MA's), (2, 20344), (Start: 3 @20641 has 112 MA's), (Start: 4 @20653 has 10 MA's), (5, 20734), (6, 20755), (7, 20773), (8, 20803), (9, 20872), (10, 21040), (11, 21076), (12, 21181), (13, 21223), (14, 21268), (15, 21310), (16, 21385), (17, 21397),

Gene: MISSy_24 Start: 20946, Stop: 21779, Start Num: 3

Candidate Starts for MISSy_24:

(Start: 1 @20625 has 1 MA's), (2, 20649), (Start: 3 @20946 has 112 MA's), (Start: 4 @20958 has 10 MA's), (5, 21039), (6, 21060), (7, 21078), (8, 21108), (9, 21177), (10, 21345), (11, 21381), (12, 21486), (13, 21528), (14, 21573), (15, 21615), (16, 21690), (17, 21702),

Gene: MPhalcon_24 Start: 20940, Stop: 21773, Start Num: 3

Candidate Starts for MPhalcon_24:

(Start: 1 @20619 has 1 MA's), (2, 20643), (Start: 3 @20940 has 112 MA's), (Start: 4 @20952 has 10 MA's), (5, 21033), (6, 21054), (7, 21072), (8, 21102), (9, 21171), (10, 21339), (11, 21375), (12, 21480), (13, 21522), (14, 21567), (15, 21609), (16, 21684), (17, 21696),

Gene: MadamMonkfish_25 Start: 20852, Stop: 21685, Start Num: 3

Candidate Starts for MadamMonkfish_25:

(Start: 1 @20531 has 1 MA's), (2, 20555), (Start: 3 @20852 has 112 MA's), (Start: 4 @20864 has 10 MA's), (5, 20945), (6, 20966), (7, 20984), (8, 21014), (9, 21083), (10, 21251), (11, 21287), (12, 21392), (13, 21434), (14, 21479), (15, 21521), (16, 21596), (17, 21608),

Gene: Manda_26 Start: 21919, Stop: 22752, Start Num: 3

Candidate Starts for Manda_26:

(Start: 1 @21598 has 1 MA's), (2, 21622), (Start: 3 @21919 has 112 MA's), (Start: 4 @21931 has 10 MA's), (5, 22012), (6, 22033), (7, 22051), (8, 22081), (10, 22318), (11, 22354), (12, 22459), (13, 22501), (14, 22546), (15, 22588), (16, 22663), (17, 22675),

Gene: Marshmallow_25 Start: 21433, Stop: 22266, Start Num: 3

Candidate Starts for Marshmallow_25:

(Start: 1 @21112 has 1 MA's), (2, 21136), (Start: 3 @21433 has 112 MA's), (Start: 4 @21445 has 10 MA's), (5, 21526), (6, 21547), (7, 21565), (8, 21595), (10, 21832), (11, 21868), (12, 21973), (13, 22015), (14, 22060), (15, 22102), (16, 22177), (17, 22189),

Gene: Maxxinista_26 Start: 20901, Stop: 21734, Start Num: 3

Candidate Starts for Maxxinista_26:

(Start: 1 @20580 has 1 MA's), (2, 20604), (Start: 3 @20901 has 112 MA's), (Start: 4 @20913 has 10 MA's), (5, 20994), (6, 21015), (7, 21033), (8, 21063), (10, 21300), (11, 21336), (12, 21441), (13, 21483), (14, 21528), (15, 21570), (16, 21645), (17, 21657),

Gene: Mindy_25 Start: 21212, Stop: 22045, Start Num: 3

Candidate Starts for Mindy_25:

(Start: 1 @20891 has 1 MA's), (2, 20915), (Start: 3 @21212 has 112 MA's), (Start: 4 @21224 has 10 MA's), (5, 21305), (6, 21326), (7, 21344), (8, 21374), (9, 21443), (10, 21611), (11, 21647), (12, 21752), (13, 21794), (14, 21839), (15, 21881), (16, 21956), (17, 21968),

Gene: Miniwave_25 Start: 21631, Stop: 22464, Start Num: 3

Candidate Starts for Miniwave_25:

(Start: 1 @21310 has 1 MA's), (2, 21334), (Start: 3 @21631 has 112 MA's), (Start: 4 @21643 has 10 MA's), (5, 21724), (6, 21745), (7, 21763), (8, 21793), (10, 22030), (11, 22066), (12, 22171), (13, 22213), (14, 22258), (15, 22300), (16, 22375), (17, 22387),

Gene: Misfit_25 Start: 21521, Stop: 22354, Start Num: 3

Candidate Starts for Misfit_25:

(Start: 1 @21200 has 1 MA's), (2, 21224), (Start: 3 @21521 has 112 MA's), (Start: 4 @21533 has 10 MA's), (5, 21614), (6, 21635), (7, 21653), (8, 21683), (9, 21752), (10, 21920), (11, 21956), (12, 22061), (13, 22103), (14, 22148), (15, 22190), (16, 22265), (17, 22277),

Gene: Moldemort_26 Start: 21176, Stop: 22009, Start Num: 3

Candidate Starts for Moldemort_26:

(Start: 1 @20855 has 1 MA's), (2, 20879), (Start: 3 @21176 has 112 MA's), (Start: 4 @21188 has 10 MA's), (5, 21269), (6, 21290), (7, 21308), (8, 21338), (10, 21575), (11, 21611), (12, 21716), (13, 21758), (14, 21803), (15, 21845), (16, 21920), (17, 21932),

Gene: Mosby_24 Start: 20941, Stop: 21774, Start Num: 3

Candidate Starts for Mosby_24:

(Start: 1 @20620 has 1 MA's), (2, 20644), (Start: 3 @20941 has 112 MA's), (Start: 4 @20953 has 10 MA's), (5, 21034), (6, 21055), (7, 21073), (8, 21103), (10, 21340), (11, 21376), (12, 21481), (13, 21523), (14, 21568), (15, 21610), (16, 21685), (17, 21697),

Gene: Murica_24 Start: 21418, Stop: 22251, Start Num: 3

Candidate Starts for Murica_24:

(Start: 1 @21097 has 1 MA's), (2, 21121), (Start: 3 @21418 has 112 MA's), (Start: 4 @21430 has 10 MA's), (5, 21511), (6, 21532), (7, 21550), (8, 21580), (9, 21649), (10, 21817), (11, 21853), (12, 21958), (13, 22000), (14, 22045), (15, 22087), (16, 22162), (17, 22174),

Gene: Murphy_26 Start: 21413, Stop: 22246, Start Num: 3

Candidate Starts for Murphy_26:

(Start: 1 @21092 has 1 MA's), (2, 21116), (Start: 3 @21413 has 112 MA's), (Start: 4 @21425 has 10 MA's), (5, 21506), (6, 21527), (7, 21545), (8, 21575), (10, 21812), (11, 21848), (12, 21953), (13, 21995), (14, 22040), (15, 22082), (16, 22157), (17, 22169),

Gene: Myrale_25 Start: 21304, Stop: 22137, Start Num: 3

Candidate Starts for Myrale_25:

(Start: 1 @20983 has 1 MA's), (2, 21007), (Start: 3 @21304 has 112 MA's), (Start: 4 @21316 has 10 MA's), (5, 21397), (6, 21418), (7, 21436), (8, 21466), (10, 21703), (11, 21739), (12, 21844), (13, 21886), (14, 21931), (15, 21973), (16, 22048), (17, 22060),

Gene: Nala_25 Start: 21460, Stop: 22293, Start Num: 3

Candidate Starts for Nala_25:

(Start: 1 @21139 has 1 MA's), (2, 21163), (Start: 3 @21460 has 112 MA's), (Start: 4 @21472 has 10 MA's), (5, 21553), (6, 21574), (7, 21592), (8, 21622), (9, 21691), (10, 21859), (11, 21895), (12, 22000), (13, 22042), (14, 22087), (15, 22129), (16, 22204), (17, 22216),

Gene: NelitzaMV_25 Start: 21503, Stop: 22336, Start Num: 3

Candidate Starts for NelitzaMV_25:

(Start: 1 @21182 has 1 MA's), (2, 21206), (Start: 3 @21503 has 112 MA's), (Start: 4 @21515 has 10 MA's), (5, 21596), (6, 21617), (7, 21635), (8, 21665), (9, 21734), (10, 21902), (11, 21938), (12, 22043), (13, 22085), (14, 22130), (15, 22172), (16, 22247), (17, 22259),

Gene: Nimrod_25 Start: 21679, Stop: 22512, Start Num: 3

Candidate Starts for Nimrod_25:

(Start: 1 @21358 has 1 MA's), (2, 21382), (Start: 3 @21679 has 112 MA's), (Start: 4 @21691 has 10 MA's), (5, 21772), (6, 21793), (7, 21811), (8, 21841), (9, 21910), (10, 22078), (11, 22114), (12, 22219), (13, 22261), (14, 22306), (15, 22348), (16, 22423), (17, 22435),

Gene: NoSleep_26 Start: 21173, Stop: 22006, Start Num: 3

Candidate Starts for NoSleep_26:

(Start: 1 @20852 has 1 MA's), (2, 20876), (Start: 3 @21173 has 112 MA's), (Start: 4 @21185 has 10 MA's), (5, 21266), (6, 21287), (7, 21305), (8, 21335), (9, 21404), (10, 21572), (11, 21608), (12, 21713), (13, 21755), (14, 21800), (15, 21842), (16, 21917), (17, 21929),

Gene: OrionPax_26 Start: 21191, Stop: 22012, Start Num: 4

Candidate Starts for OrionPax_26:

(Start: 1 @20858 has 1 MA's), (2, 20882), (Start: 3 @21179 has 112 MA's), (Start: 4 @21191 has 10 MA's), (5, 21272), (6, 21293), (7, 21311), (8, 21341), (10, 21578), (11, 21614), (12, 21719), (13, 21761), (14, 21806), (15, 21848), (16, 21923), (17, 21935),

Gene: Palpatine_25 Start: 21463, Stop: 22284, Start Num: 4

Candidate Starts for Palpatine_25:

(Start: 1 @21130 has 1 MA's), (2, 21154), (Start: 3 @21451 has 112 MA's), (Start: 4 @21463 has 10 MA's), (5, 21544), (6, 21565), (7, 21583), (8, 21613), (9, 21682), (10, 21850), (11, 21886), (12, 21991), (13, 22033), (14, 22078), (15, 22120), (16, 22195), (17, 22207),

Gene: Paperbeatsrock_27 Start: 22414, Stop: 23247, Start Num: 3

Candidate Starts for Paperbeatsrock_27:

(Start: 1 @22093 has 1 MA's), (2, 22117), (Start: 3 @22414 has 112 MA's), (Start: 4 @22426 has 10 MA's), (5, 22507), (6, 22528), (7, 22546), (8, 22576), (10, 22813), (11, 22849), (12, 22954), (13, 22996), (14, 23041), (15, 23083), (16, 23158), (17, 23170),

Gene: Pat3_24 Start: 20160, Stop: 20993, Start Num: 3

Candidate Starts for Pat3_24:

(Start: 1 @19839 has 1 MA's), (2, 19863), (Start: 3 @20160 has 112 MA's), (Start: 4 @20172 has 10 MA's), (5, 20253), (6, 20274), (7, 20292), (8, 20322), (9, 20391), (10, 20559), (11, 20595), (12, 20700), (13, 20742), (14, 20787), (15, 20829), (16, 20904), (17, 20916),

Gene: Petra64142_27 Start: 21906, Stop: 22727, Start Num: 4

Candidate Starts for Petra64142_27:

(Start: 1 @21573 has 1 MA's), (2, 21597), (Start: 3 @21894 has 112 MA's), (Start: 4 @21906 has 10 MA's), (5, 21987), (6, 22008), (7, 22026), (8, 22056), (9, 22125), (10, 22293), (11, 22329), (12, 22434), (13, 22476), (14, 22521), (15, 22563), (16, 22638), (17, 22650),

Gene: Phaja_25 Start: 21610, Stop: 22443, Start Num: 3

Candidate Starts for Phaja_25:

(Start: 1 @21289 has 1 MA's), (2, 21313), (Start: 3 @21610 has 112 MA's), (Start: 4 @21622 has 10 MA's), (5, 21703), (6, 21724), (7, 21742), (8, 21772), (9, 21841), (10, 22009), (11, 22045), (12, 22150), (13, 22192), (14, 22237), (15, 22279), (16, 22354), (17, 22366),

Gene: Pharsalus_26 Start: 22214, Stop: 23047, Start Num: 3

Candidate Starts for Pharsalus_26:

(Start: 1 @21893 has 1 MA's), (2, 21917), (Start: 3 @22214 has 112 MA's), (Start: 4 @22226 has 10 MA's), (5, 22307), (6, 22328), (7, 22346), (8, 22376), (10, 22613), (11, 22649), (12, 22754), (13, 22796), (14, 22841), (15, 22883), (16, 22958), (17, 22970),

Gene: PhatBacter_25 Start: 21462, Stop: 22295, Start Num: 3

Candidate Starts for PhatBacter_25:

(Start: 1 @21141 has 1 MA's), (2, 21165), (Start: 3 @21462 has 112 MA's), (Start: 4 @21474 has 10 MA's), (5, 21555), (6, 21576), (7, 21594), (8, 21624), (9, 21693), (10, 21861), (11, 21897), (12, 22002), (13, 22044), (14, 22089), (15, 22131), (16, 22206), (17, 22218),

Gene: Phaux_24 Start: 21460, Stop: 22293, Start Num: 3

Candidate Starts for Phaux_24:

(Start: 1 @21139 has 1 MA's), (2, 21163), (Start: 3 @21460 has 112 MA's), (Start: 4 @21472 has 10 MA's), (5, 21553), (6, 21574), (7, 21592), (8, 21622), (9, 21691), (10, 21859), (11, 21895), (12, 22000), (13, 22042), (14, 22087), (15, 22129), (16, 22204), (17, 22216),

Gene: Phrux_25 Start: 21175, Stop: 22008, Start Num: 3

Candidate Starts for Phrux_25:

(Start: 1 @20854 has 1 MA's), (2, 20878), (Start: 3 @21175 has 112 MA's), (Start: 4 @21187 has 10 MA's), (5, 21268), (6, 21289), (7, 21307), (8, 21337), (10, 21574), (11, 21610), (12, 21715), (13, 21757), (14, 21802), (15, 21844), (16, 21919), (17, 21931),

Gene: Policronamos_25 Start: 21462, Stop: 22295, Start Num: 3

Candidate Starts for Policronamos_25:

(Start: 1 @21141 has 1 MA's), (2, 21165), (Start: 3 @21462 has 112 MA's), (Start: 4 @21474 has 10 MA's), (5, 21555), (6, 21576), (7, 21594), (8, 21624), (9, 21693), (10, 21861), (11, 21897), (12, 22002), (13, 22044), (14, 22089), (15, 22131), (16, 22206), (17, 22218),

Gene: Porky_25 Start: 21271, Stop: 22104, Start Num: 3

Candidate Starts for Porky_25:

(Start: 1 @20950 has 1 MA's), (2, 20974), (Start: 3 @21271 has 112 MA's), (Start: 4 @21283 has 10 MA's), (5, 21364), (6, 21385), (7, 21403), (8, 21433), (9, 21502), (10, 21670), (11, 21706), (12, 21811), (13, 21853), (14, 21898), (15, 21940), (16, 22015), (17, 22027),

Gene: Pumpkin_27 Start: 21514, Stop: 22347, Start Num: 3

Candidate Starts for Pumpkin_27:

(Start: 1 @21193 has 1 MA's), (2, 21217), (Start: 3 @21514 has 112 MA's), (Start: 4 @21526 has 10 MA's), (5, 21607), (6, 21628), (7, 21646), (8, 21676), (10, 21913), (11, 21949), (12, 22054), (13, 22096), (14, 22141), (15, 22183), (16, 22258), (17, 22270),

Gene: Quallification_26 Start: 21652, Stop: 22473, Start Num: 4

Candidate Starts for Quallification_26:

(Start: 1 @21319 has 1 MA's), (2, 21343), (Start: 3 @21640 has 112 MA's), (Start: 4 @21652 has 10 MA's), (5, 21733), (6, 21754), (7, 21772), (8, 21802), (10, 22039), (11, 22075), (12, 22180), (13, 22222), (14, 22267), (15, 22309), (16, 22384), (17, 22396),

Gene: Rakim_26 Start: 21559, Stop: 22380, Start Num: 4

Candidate Starts for Rakim_26:

(Start: 1 @21226 has 1 MA's), (2, 21250), (Start: 3 @21547 has 112 MA's), (Start: 4 @21559 has 10 MA's), (5, 21640), (6, 21661), (7, 21679), (8, 21709), (10, 21946), (11, 21982), (12, 22087), (13, 22129), (14, 22174), (15, 22216), (16, 22291), (17, 22303),

Gene: Rimmer_24 Start: 21000, Stop: 21833, Start Num: 3

Candidate Starts for Rimmer_24:

(Start: 1 @20679 has 1 MA's), (2, 20703), (Start: 3 @21000 has 112 MA's), (Start: 4 @21012 has 10 MA's), (5, 21093), (6, 21114), (7, 21132), (8, 21162), (9, 21231), (10, 21399), (11, 21435), (12, 21540),

(13, 21582), (14, 21627), (15, 21669), (16, 21744), (17, 21756),

Gene: RiverMonster_25 Start: 21201, Stop: 22022, Start Num: 4

Candidate Starts for RiverMonster_25:

(Start: 1 @20868 has 1 MA's), (2, 20892), (Start: 3 @21189 has 112 MA's), (Start: 4 @21201 has 10 MA's), (5, 21282), (6, 21303), (7, 21321), (8, 21351), (10, 21588), (11, 21624), (12, 21729), (13, 21771), (14, 21816), (15, 21858), (16, 21933), (17, 21945),

Gene: Saints25_26 Start: 21095, Stop: 21928, Start Num: 3

Candidate Starts for Saints25_26:

(Start: 1 @20774 has 1 MA's), (2, 20798), (Start: 3 @21095 has 112 MA's), (Start: 4 @21107 has 10 MA's), (5, 21188), (6, 21209), (7, 21227), (8, 21257), (10, 21494), (11, 21530), (12, 21635), (13, 21677), (14, 21722), (15, 21764), (16, 21839), (17, 21851),

Gene: Sassay_24 Start: 20938, Stop: 21771, Start Num: 3

Candidate Starts for Sassay_24:

(Start: 1 @20617 has 1 MA's), (2, 20641), (Start: 3 @20938 has 112 MA's), (Start: 4 @20950 has 10 MA's), (5, 21031), (6, 21052), (7, 21070), (8, 21100), (9, 21169), (10, 21337), (11, 21373), (12, 21478), (13, 21520), (14, 21565), (15, 21607), (16, 21682), (17, 21694),

Gene: ShamWow_25 Start: 21434, Stop: 22267, Start Num: 3

Candidate Starts for ShamWow_25:

(Start: 1 @21113 has 1 MA's), (2, 21137), (Start: 3 @21434 has 112 MA's), (Start: 4 @21446 has 10 MA's), (5, 21527), (6, 21548), (7, 21566), (8, 21596), (9, 21665), (10, 21833), (11, 21869), (12, 21974), (13, 22016), (14, 22061), (15, 22103), (16, 22178), (17, 22190),

Gene: ShereKhan_27 Start: 22417, Stop: 23250, Start Num: 3

Candidate Starts for ShereKhan_27:

(Start: 1 @22096 has 1 MA's), (2, 22120), (Start: 3 @22417 has 112 MA's), (Start: 4 @22429 has 10 MA's), (5, 22510), (6, 22531), (7, 22549), (8, 22579), (10, 22816), (11, 22852), (12, 22957), (13, 22999), (14, 23044), (15, 23086), (16, 23161), (17, 23173),

Gene: Simpliphy_26 Start: 21179, Stop: 22012, Start Num: 3

Candidate Starts for Simpliphy_26:

(Start: 1 @20858 has 1 MA's), (2, 20882), (Start: 3 @21179 has 112 MA's), (Start: 4 @21191 has 10 MA's), (5, 21272), (6, 21293), (7, 21311), (8, 21341), (9, 21410), (10, 21578), (11, 21614), (12, 21719), (13, 21761), (14, 21806), (15, 21848), (16, 21923), (17, 21935),

Gene: SirDuracell_24 Start: 20100, Stop: 20933, Start Num: 3

Candidate Starts for SirDuracell_24:

(Start: 1 @19779 has 1 MA's), (2, 19803), (Start: 3 @20100 has 112 MA's), (Start: 4 @20112 has 10 MA's), (5, 20193), (6, 20214), (7, 20232), (8, 20262), (10, 20499), (11, 20535), (12, 20640), (13, 20682), (14, 20727), (15, 20769), (16, 20844), (17, 20856),

Gene: SophKB_25 Start: 21433, Stop: 22266, Start Num: 3

Candidate Starts for SophKB_25:

(Start: 1 @21112 has 1 MA's), (2, 21136), (Start: 3 @21433 has 112 MA's), (Start: 4 @21445 has 10 MA's), (5, 21526), (6, 21547), (7, 21565), (8, 21595), (10, 21832), (11, 21868), (12, 21973), (13, 22015), (14, 22060), (15, 22102), (16, 22177), (17, 22189),

Gene: Sotrice96_25 Start: 21389, Stop: 22222, Start Num: 3

Candidate Starts for Sotrice96_25:

(Start: 1 @21068 has 1 MA's), (2, 21092), (Start: 3 @21389 has 112 MA's), (Start: 4 @21401 has 10 MA's), (5, 21482), (6, 21503), (7, 21521), (8, 21551), (10, 21788), (11, 21824), (12, 21929), (13, 21971), (14, 22016), (15, 22058), (16, 22133), (17, 22145),

Gene: Stank_28 Start: 21940, Stop: 22773, Start Num: 3

Candidate Starts for Stank_28:

(Start: 1 @21619 has 1 MA's), (2, 21643), (Start: 3 @21940 has 112 MA's), (Start: 4 @21952 has 10 MA's), (5, 22033), (6, 22054), (7, 22072), (8, 22102), (10, 22339), (11, 22375), (12, 22480), (13, 22522), (14, 22567), (15, 22609), (16, 22684), (17, 22696),

Gene: Stark_26 Start: 21192, Stop: 22025, Start Num: 3

Candidate Starts for Stark_26:

(Start: 1 @20871 has 1 MA's), (2, 20895), (Start: 3 @21192 has 112 MA's), (Start: 4 @21204 has 10 MA's), (5, 21285), (6, 21306), (7, 21324), (8, 21354), (10, 21591), (11, 21627), (12, 21732), (13, 21774), (14, 21819), (15, 21861), (16, 21936), (17, 21948),

Gene: StellaBean_25 Start: 21433, Stop: 22266, Start Num: 3

Candidate Starts for StellaBean_25:

(Start: 1 @21112 has 1 MA's), (2, 21136), (Start: 3 @21433 has 112 MA's), (Start: 4 @21445 has 10 MA's), (5, 21526), (6, 21547), (7, 21565), (8, 21595), (10, 21832), (11, 21868), (12, 21973), (13, 22015), (14, 22060), (15, 22102), (16, 22177), (17, 22189),

Gene: StolenFromERC_27 Start: 21424, Stop: 22257, Start Num: 3

Candidate Starts for StolenFromERC_27:

(Start: 1 @21103 has 1 MA's), (2, 21127), (Start: 3 @21424 has 112 MA's), (Start: 4 @21436 has 10 MA's), (5, 21517), (6, 21538), (7, 21556), (8, 21586), (9, 21655), (10, 21823), (11, 21859), (12, 21964), (13, 22006), (14, 22051), (15, 22093), (16, 22168), (17, 22180),

Gene: TBrady12_27 Start: 21424, Stop: 22257, Start Num: 3

Candidate Starts for TBrady12_27:

(Start: 1 @21103 has 1 MA's), (2, 21127), (Start: 3 @21424 has 112 MA's), (Start: 4 @21436 has 10 MA's), (5, 21517), (6, 21538), (7, 21556), (8, 21586), (10, 21823), (11, 21859), (12, 21964), (13, 22006), (14, 22051), (15, 22093), (16, 22168), (17, 22180),

Gene: Tarkin_27 Start: 22423, Stop: 23256, Start Num: 3

Candidate Starts for Tarkin_27:

(Start: 1 @22102 has 1 MA's), (2, 22126), (Start: 3 @22423 has 112 MA's), (Start: 4 @22435 has 10 MA's), (5, 22516), (6, 22537), (7, 22555), (8, 22585), (10, 22822), (11, 22858), (12, 22963), (13, 23005), (14, 23050), (15, 23092), (16, 23167), (17, 23179),

Gene: TeardropMSU_24 Start: 21341, Stop: 22174, Start Num: 3

Candidate Starts for TeardropMSU_24:

(Start: 1 @21020 has 1 MA's), (2, 21044), (Start: 3 @21341 has 112 MA's), (Start: 4 @21353 has 10 MA's), (5, 21434), (6, 21455), (7, 21473), (8, 21503), (10, 21740), (11, 21776), (12, 21881), (13, 21923), (14, 21968), (15, 22010), (16, 22085), (17, 22097),

Gene: Teaspoon_26 Start: 21387, Stop: 22220, Start Num: 3

Candidate Starts for Teaspoon_26:

(Start: 1 @21066 has 1 MA's), (2, 21090), (Start: 3 @21387 has 112 MA's), (Start: 4 @21399 has 10 MA's), (5, 21480), (6, 21501), (7, 21519), (8, 21549), (10, 21786), (11, 21822), (12, 21927), (13, 21969), (14, 22014), (15, 22056), (16, 22131), (17, 22143),

Gene: Terminus_25 Start: 21521, Stop: 22354, Start Num: 3

Candidate Starts for Terminus_25:

(Start: 1 @21200 has 1 MA's), (2, 21224), (Start: 3 @21521 has 112 MA's), (Start: 4 @21533 has 10 MA's), (5, 21614), (6, 21635), (7, 21653), (8, 21683), (9, 21752), (10, 21920), (11, 21956), (12, 22061), (13, 22103), (14, 22148), (15, 22190), (16, 22265), (17, 22277),

Gene: Thresher_26 Start: 22188, Stop: 23021, Start Num: 3

Candidate Starts for Thresher_26:

(Start: 1 @21867 has 1 MA's), (2, 21891), (Start: 3 @22188 has 112 MA's), (Start: 4 @22200 has 10 MA's), (5, 22281), (6, 22302), (7, 22320), (8, 22350), (10, 22587), (11, 22623), (12, 22728), (13, 22770), (14, 22815), (15, 22857), (16, 22932), (17, 22944),

Gene: Tomaszewski_24 Start: 21034, Stop: 21867, Start Num: 3

Candidate Starts for Tomaszewski_24:

(Start: 1 @20713 has 1 MA's), (2, 20737), (Start: 3 @21034 has 112 MA's), (Start: 4 @21046 has 10 MA's), (5, 21127), (6, 21148), (7, 21166), (8, 21196), (10, 21433), (11, 21469), (12, 21574), (13, 21616), (14, 21661), (15, 21703), (16, 21778), (17, 21790),

Gene: Toto_25 Start: 21446, Stop: 22267, Start Num: 4

Candidate Starts for Toto_25:

(Start: 1 @21113 has 1 MA's), (2, 21137), (Start: 3 @21434 has 112 MA's), (Start: 4 @21446 has 10 MA's), (5, 21527), (6, 21548), (7, 21566), (8, 21596), (9, 21665), (10, 21833), (11, 21869), (12, 21974), (13, 22016), (14, 22061), (15, 22103), (16, 22178), (17, 22190),

Gene: Traaww1_23 Start: 21079, Stop: 21912, Start Num: 3

Candidate Starts for Traaww1_23:

(Start: 1 @20758 has 1 MA's), (2, 20782), (Start: 3 @21079 has 112 MA's), (Start: 4 @21091 has 10 MA's), (5, 21172), (6, 21193), (7, 21211), (8, 21241), (10, 21478), (11, 21514), (12, 21619), (13, 21661), (14, 21706), (15, 21748), (16, 21823), (17, 21835),

Gene: Tuco_26 Start: 21949, Stop: 22782, Start Num: 3

Candidate Starts for Tuco_26:

(Start: 1 @21628 has 1 MA's), (2, 21652), (Start: 3 @21949 has 112 MA's), (Start: 4 @21961 has 10 MA's), (5, 22042), (6, 22063), (7, 22081), (8, 22111), (10, 22348), (11, 22384), (12, 22489), (13, 22531), (14, 22576), (15, 22618), (16, 22693), (17, 22705),

Gene: Ukulele_25 Start: 21192, Stop: 22025, Start Num: 3

Candidate Starts for Ukulele_25:

(Start: 1 @20871 has 1 MA's), (2, 20895), (Start: 3 @21192 has 112 MA's), (Start: 4 @21204 has 10 MA's), (5, 21285), (6, 21306), (7, 21324), (8, 21354), (10, 21591), (11, 21627), (12, 21732), (13, 21774), (14, 21819), (15, 21861), (16, 21936), (17, 21948),

Gene: Wiggin_28 Start: 21938, Stop: 22771, Start Num: 3

Candidate Starts for Wiggin_28:

(Start: 1 @21617 has 1 MA's), (2, 21641), (Start: 3 @21938 has 112 MA's), (Start: 4 @21950 has 10 MA's), (5, 22031), (6, 22052), (7, 22070), (8, 22100), (10, 22337), (11, 22373), (12, 22478), (13, 22520), (14, 22565), (15, 22607), (16, 22682), (17, 22694),

Gene: Willez_24 Start: 20938, Stop: 21771, Start Num: 3

Candidate Starts for Willez_24:

(Start: 1 @20617 has 1 MA's), (2, 20641), (Start: 3 @20938 has 112 MA's), (Start: 4 @20950 has 10 MA's), (5, 21031), (6, 21052), (7, 21070), (8, 21100), (9, 21169), (10, 21337), (11, 21373), (12, 21478), (13, 21520), (14, 21565), (15, 21607), (16, 21682), (17, 21694),

Gene: Xandras_27 Start: 21424, Stop: 22257, Start Num: 3

Candidate Starts for Xandras_27:

(Start: 1 @21103 has 1 MA's), (2, 21127), (Start: 3 @21424 has 112 MA's), (Start: 4 @21436 has 10 MA's), (5, 21517), (6, 21538), (7, 21556), (8, 21586), (10, 21823), (11, 21859), (12, 21964), (13, 22006), (14, 22051), (15, 22093), (16, 22168), (17, 22180),

Gene: YassJohnny_26 Start: 21949, Stop: 22782, Start Num: 3

Candidate Starts for YassJohnny_26:

(Start: 1 @21628 has 1 MA's), (2, 21652), (Start: 3 @21949 has 112 MA's), (Start: 4 @21961 has 10 MA's), (5, 22042), (6, 22063), (7, 22081), (8, 22111), (9, 22180), (10, 22348), (11, 22384), (12, 22489), (13, 22531), (14, 22576), (15, 22618), (16, 22693), (17, 22705),

Gene: Youngblood_25 Start: 21614, Stop: 22435, Start Num: 4

Candidate Starts for Youngblood_25:

(Start: 1 @21281 has 1 MA's), (2, 21305), (Start: 3 @21602 has 112 MA's), (Start: 4 @21614 has 10 MA's), (5, 21695), (6, 21716), (7, 21734), (8, 21764), (9, 21833), (10, 22001), (11, 22037), (12, 22142), (13, 22184), (14, 22229), (15, 22271), (16, 22346), (17, 22358),

Gene: xkcd_26 Start: 21603, Stop: 22436, Start Num: 3

Candidate Starts for xkcd_26:

(Start: 1 @21282 has 1 MA's), (2, 21306), (Start: 3 @21603 has 112 MA's), (Start: 4 @21615 has 10 MA's), (5, 21696), (6, 21717), (7, 21735), (8, 21765), (9, 21834), (10, 22002), (11, 22038), (12, 22143), (13, 22185), (14, 22230), (15, 22272), (16, 22347), (17, 22359),