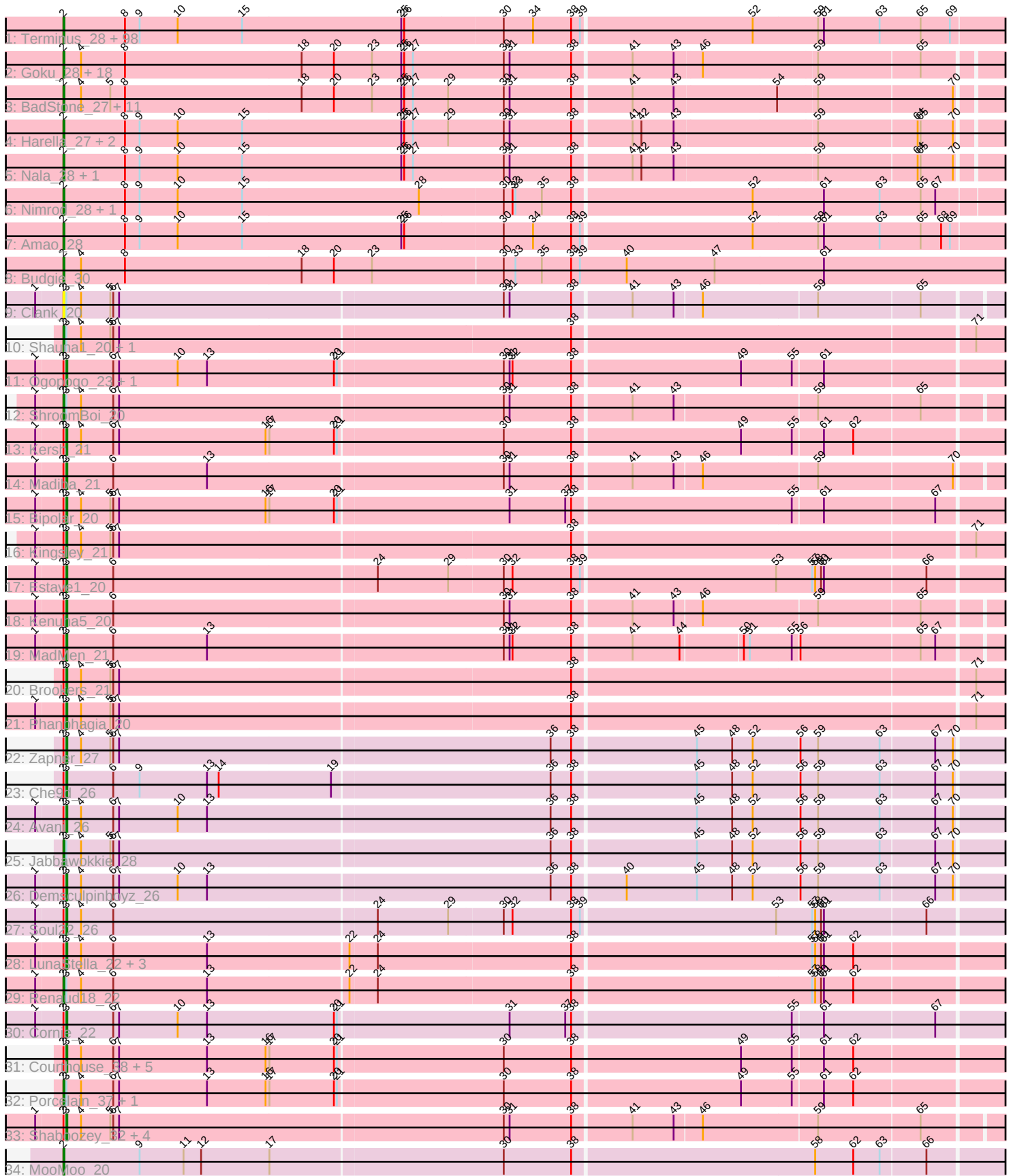




Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly 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 330521 Report

This analysis was run 09/05/26 on database version 662.

Pham number 330521 has 180 members, 12 are drafts.

Phages represented in each track:

- Track 1 : Terminus_28, BaboJay_27, 244_30, Gemini_31, Murica_27, Goldilocks_29, Pharsalus_29, Brewer_28, StormChicken_28, JeTaime_30, Inca_27, Phrux_28, Stark_29, Tarkin_30, Hoonter_30, DoctorDiddles_28, HanKaySha_29, StellaBean_28, Bruin_28, Gage_30, Cjw1_28, ChotaBhai_28, DrDrey_29, Stank_31, Petra64142_30, Moldemort_29, Emmina_29, BugsBunny_26, Contagion_27, Simpliphy_29, NonchalantPear_28, Argent26_30, Palpatine_28, Wiggin_31, Saints25_29, HufflyPuff_27, PaddyBaddy_29, StolenFromERC_30, Easy2Say_30, Lilpickle_27, Mosby_27, Paperbeatsrock_30, FireRed_28, Kimchi_30, MISSy_27, Willez_27, TeamEdward_28, Qualification_29, MollyToe_28, ShereKhan_30, YassJohnny_29, Phaux_27, Rimmer_27, Murphy_29, Holt_29, Lilac_30, Czystczon1_29, Thimble_28, FoghornLeghorn_27, MadamMonkfish_28, TBrady12_30, RiverMonster_28, Highbury_29, xkcd_29, NoSleep_29, Filch_29, Tomaszewski_27, Manda_29, Pat3_27, Ukulele_28, Dumbo_28, OrionPax_29, Becksu_28, Bogg_28, Porky_28, Kanye_30, Adnama_31, SophKB_28, Elite2014_27, Sassay_27, Buck_27, Teaspoon_29, GoldenSpark_30, GooberAzure_30, Miniwave_28, Lilizi_30, Hopey_30, Misfit_28, AmericanBeauty_30, PhatBacter_28, Thresher_29, Bench_30, BigBubba_29, Maxxinsta_29, Elph10_29, Cookies_28, MPhalcon_27, Xandras_30, Greep_29
- Track 2 : Goku_28, Phaja_28, Bask21_28, Policronamos_28, CrystalP_28, ShamWow_28, Sotrice96_28, BilboSwaggins_28, NelitzaMV_28, Mindy_28, Command613_29, IHOP_28, Marshmallow_28, SirDuracell_27, Toto_28, Eureka_28, Cactus_29, FairyPath_28, Icee_27
- Track 3 : BadStone_27, Dusk_27, Balomoji_27, Gator_26, Rakim_29, ABCat_27, Myrale_28, Barbarian_27, Tuco_29, Traaww1_26, TeardropMSU_27, Asriel_27
- Track 4 : Harella_27, Flypotenuse_26, Glexan_26
- Track 5 : Nala_28, Youngblood_28
- Track 6 : Nimrod_28, Pumpkin_30
- Track 7 : Amao_28
- Track 8 : Budgie_30
- Track 9 : Clank_20
- Track 10 : Shauna1_20, Coco12_22
- Track 11 : Ogopogo_23, Pollywog_23
- Track 12 : ShroomBoi_20
- Track 13 : Kersh_21
- Track 14 : Madiba_21
- Track 15 : Bipolar_20
- Track 16 : Kingsley_21

- Track 17 : Estave1_20
- Track 18 : Kenuha5_20
- Track 19 : MadMen_21
- Track 20 : Brookers_21
- Track 21 : Phanphagia_20
- Track 22 : Zapner_27
- Track 23 : Che9d_26
- Track 24 : Avani_26
- Track 25 : Jabbawokkie_28
- Track 26 : Demsculpinboyz_26
- Track 27 : Soul22_26
- Track 28 : LunaStella_22, ThetaBob_22, TChen_20, Yoshi_26
- Track 29 : Renaud18_22
- Track 30 : Cornie_22
- Track 31 : Courthouse_38, Superphikiman_38, Lucky2013_38, MiaZeal_38, DmpstrDiver_39, Squint_37
- Track 32 : Porcelain_37, Ariel_38
- Track 33 : Shaboozey_32, Hannaconda_35, Nibley_33, KashFlow_32, BronnyJames_32
- Track 34 : MooMoo_20

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

The start number called the most often in the published annotations is 2, it was called in 139 of the 168 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- 244_30, ABCat_27, Adnama_31, Amao_28, AmericanBeauty_30, Argent26_30, Ariel_38, Asriel_27, BaboJay_27, BadStone_27, Balomoji_27, Barbarian_27, Bask21_28, Becksu_28, Bench_30, BigBubba_29, BilboSwaggins_28, Bogg_28, Brewer_28, Bruin_28, Buck_27, Budgie_30, BugsBunny_26, Cactus_29, ChotaBhai_28, Cjw1_28, Clank_20, Coco12_22, Command613_29, Contagion_27, Cookies_28, CrystalP_28, Czyszczonek_29, DoctorDiddles_28, DrDrey_29, Dumbo_28, Dusk_27, Easy2Say_30, Elite2014_27, Elph10_29, Emmina_29, Eureka_28, FairyPath_28, Filch_29, FireRed_28, Flypotenuse_26, FoghornLeghorn_27, Gage_30, Gator_26, Gemini_31, Glexan_26, Goku_28, GoldenSpark_30, Goldilocks_29, GooberAzure_30, Greep_29, HanKaySha_29, Harella_27, Highbury_29, Holt_29, Hoonter_30, Hopey_30, HuffyPuff_27, IHOP_28, Icee_27, Inca_27, Jabbawokkie_28, JeTaime_30, Kanye_30, Kimchi_30, Lilac_30, Lilizi_30, Lilpickle_27, MISSy_27, MPhalcon_27, MadamMonkfish_28, Manda_29, Marshmallow_28, Maxxinista_29, Mindy_28, Miniwave_28, Misfit_28, Moldemort_29, MollyToe_28, MooMoo_20, Mosby_27, Murica_27, Murphy_29, Myrale_28, Nala_28, NelitzaMV_28, Nimrod_28, NoSleep_29, NonchalantPear_28, OrionPax_29, PaddyBaddy_29, Palpatine_28, Paperbeatsrock_30, Pat3_27, Petra64142_30, Phaja_28, Pharsalus_29, PhatBacter_28, Phaux_27, Phrux_28, Policronamos_28, Porcelain_37, Porky_28, Pumpkin_30, Qualification_29, Rakim_29, Renaud18_22, Rimmer_27, RiverMonster_28, Saints25_29, Sassay_27, ShamWow_28, Shauna1_20, ShereKhan_30, ShroomBoi_20, Simpliphy_29, SirDuracell_27, SophKB_28, Sotrice96_28, Stank_31, Stark_29, StellaBean_28, StolenFromERC_30, StormChicken_28, TBrady12_30, Tarkin_30, TeamEdward_28, TeardropMSU_27,

Teaspoon_29, Terminus_28, Thimble_28, Thresher_29, Tomaszewski_27, Toto_28, Traaww1_26, Tuco_29, Ukulele_28, Wiggin_31, Willez_27, Xandras_30, YassJohnny_29, Youngblood_28, xkcd_29,

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

- Avani_26, Bipolar_20, BronnyJames_32, Brookers_21, Che9d_26, Cornie_22, Courthouse_38, Demsculpinboyz_26, DmpstrDiver_39, Estave1_20, Hannaconda_35, KashFlow_32, Kenuha5_20, Kersh_21, Kingsley_21, Lucky2013_38, LunaStella_22, MadMen_21, Madiba_21, MiaZeal_38, Nibley_33, Ogopogo_23, Phanphagia_20, Pollywog_23, Shaboozey_32, Soul22_26, Squint_37, Superphikiman_38, TChen_20, ThetaBob_22, Yoshi_26, Zapner_27,

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

-

Summary by start number:

Start 2:

- Found in 180 of 180 (100.0%) of genes in pham
- Manual Annotations of this start: 139 of 168
- Called 82.2% of time when present
- Phage (with cluster) where this start called: 244_30 (E), ABCat_27 (E), Adnama_31 (E), Amao_28 (E), AmericanBeauty_30 (E), Argent26_30 (E), Ariel_38 (J), Asriel_27 (E), BaboJay_27 (E), BadStone_27 (E), Balomoji_27 (E), Barbarian_27 (E), Bask21_28 (E), Becksu_28 (E), Bench_30 (E), BigBubba_29 (E), BilboSwaggins_28 (E), Bogg_28 (E), Brewer_28 (E), Bruin_28 (E), Buck_27 (E), Budgie_30 (E), BugsBunny_26 (E), Cactus_29 (E), ChotaBhai_28 (E), Cjw1_28 (E), Clank_20 (F), Coco12_22 (F1), Command613_29 (E), Contagion_27 (E), Cookies_28 (E), CrystalP_28 (E), Czystczon1_29 (E), DoctorDiddles_28 (E), DrDrey_29 (E), Dumbo_28 (E), Dusk_27 (E), Easy2Say_30 (E), Elite2014_27 (E), Elph10_29 (E), Emmina_29 (E), Eureka_28 (E), FairyPath_28 (E), Filch_29 (E), FireRed_28 (E), Flypotenuse_26 (E), FoghornLeghorn_27 (E), Gage_30 (E), Gator_26 (E), Gemini_31 (E), Glexan_26 (E), Goku_28 (E), GoldenSpark_30 (E), Goldilocks_29 (E), GooberAzure_30 (E), Greep_29 (E), HanKaySha_29 (E), Harella_27 (E), Highbury_29 (E), Holt_29 (E), Hoonter_30 (E), Hopey_30 (E), HuffyPuff_27 (E), IHOP_28 (E), Icee_27 (E), Inca_27 (E), Jabbawokkie_28 (F2), JeTaime_30 (E), Kanye_30 (E), Kimchi_30 (E), Lilac_30 (E), Lilizi_30 (E), Lilpickle_27 (E), MISSy_27 (E), MPhalcon_27 (E), MadamMonkfish_28 (E), Manda_29 (E), Marshmallow_28 (E), Maxxinista_29 (E), Mindy_28 (E), Miniwave_28 (E), Misfit_28 (E), Moldemort_29 (E), MollyToe_28 (E), MooMoo_20 (singleton), Mosby_27 (E), Murica_27 (E), Murphy_29 (E), Myrale_28 (E), Nala_28 (E), NelitzaMV_28 (E), Nimrod_28 (E), NoSleep_29 (E), NonchalantPear_28 (E), OrionPax_29 (E), PaddyBaddy_29 (E), Palpatine_28 (E), Paperbeatsrock_30 (E), Pat3_27 (E), Petra64142_30 (E), Phaja_28 (E), Pharsalus_29 (E), PhatBacter_28 (E), Phaux_27 (E), Phrux_28 (E), Policronamos_28 (E), Porcelain_37 (J), Porky_28 (E), Pumpkin_30 (E), Qualification_29 (E), Rakim_29 (E), Renaud18_22 (F4), Rimmer_27 (E), RiverMonster_28 (E), Saints25_29 (E), Sassay_27 (E), ShamWow_28 (E), Shauna1_20 (F1), ShereKhan_30 (E), ShroomBoi_20 (F1), Simpliphy_29 (E), SirDuracell_27 (E), SophKB_28 (E), Sotrice96_28 (E), Stank_31 (E), Stark_29 (E), StellaBean_28 (E), StolenFromERC_30 (E), StormChicken_28 (E), TBrady12_30 (E), Tarkin_30 (E), TeamEdward_28 (E), TeardropMSU_27 (E), Teaspoon_29 (E), Terminus_28 (E), Thimble_28 (E), Thresher_29 (E), Tomaszewski_27 (E), Toto_28 (E), Traaww1_26 (E), Tuco_29 (E), Ukulele_28 (E), Wiggin_31 (E), Willez_27 (E), Xandras_30 (E),

YassJohnny_29 (E), Youngblood_28 (E), xkcd_29 (E),

Start 3:

- Found in 40 of 180 (22.2%) of genes in pham
- Manual Annotations of this start: 29 of 168
- Called 80.0% of time when present
- Phage (with cluster) where this start called: Avani_26 (F2), Bipolar_20 (F1), BronnyJames_32 (J), Brookers_21 (F1), Che9d_26 (F2), Cornie_22 (F5), Courthouse_38 (J), Demsculpinboyz_26 (F2), DmpstrDiver_39 (J), Estave1_20 (F1), Hannaconda_35 (J), KashFlow_32 (J), Kenuha5_20 (F1), Kersh_21 (F1), Kingsley_21 (F1), Lucky2013_38 (J), LunaStella_22 (F4), MadMen_21 (F1), Madiba_21 (F1), MiaZeal_38 (J), Nibley_33 (J), Ogopogo_23 (F1), Phanphagia_20 (F1), Pollywog_23 (F1), Shaboozey_32 (J), Soul22_26 (F2), Squint_37 (J), Superphikiman_38 (J), TChen_20 (F4), ThetaBob_22 (F4), Yoshi_26 (F2), Zapner_27 (F2),

Summary by clusters:

There are 8 clusters represented in this pham: F1, F2, F4, F5, F, J, singleton, E,

Info for manual annotations of cluster E:

- Start number 2 was manually annotated 131 times for cluster E.

Info for manual annotations of cluster F1:

- Start number 2 was manually annotated 3 times for cluster F1.
- Start number 3 was manually annotated 11 times for cluster F1.

Info for manual annotations of cluster F2:

- Start number 2 was manually annotated 1 time for cluster F2.
- Start number 3 was manually annotated 6 times for cluster F2.

Info for manual annotations of cluster F4:

- Start number 2 was manually annotated 1 time for cluster F4.
- Start number 3 was manually annotated 3 times for cluster F4.

Info for manual annotations of cluster F5:

- Start number 3 was manually annotated 1 time for cluster F5.

Info for manual annotations of cluster J:

- Start number 2 was manually annotated 2 times for cluster J.
- Start number 3 was manually annotated 8 times for cluster J.

Gene Information:

Gene: 244_30 Start: 27798, Stop: 28760, Start Num: 2

Candidate Starts for 244_30:

(Start: 2 @27798 has 139 MA's), (8, 27861), (9, 27876), (10, 27915), (15, 27981), (25, 28143), (26, 28146), (30, 28245), (34, 28275), (38, 28314), (39, 28323), (52, 28494), (59, 28560), (61, 28566), (63, 28623), (65, 28665), (69, 28695),

Gene: ABCat_27 Start: 27517, Stop: 28461, Start Num: 2

Candidate Starts for ABCat_27:

(Start: 2 @27517 has 139 MA's), (4, 27535), (5, 27565), (8, 27580), (18, 27760), (20, 27793), (23, 27832), (25, 27862), (26, 27865), (27, 27874), (29, 27910), (30, 27967), (31, 27973), (38, 28036), (41, 28093), (43, 28135), (54, 28237), (59, 28276), (70, 28411),

Gene: Adnama_31 Start: 28025, Stop: 28987, Start Num: 2

Candidate Starts for Adnama_31:

(Start: 2 @28025 has 139 MA's), (8, 28088), (9, 28103), (10, 28142), (15, 28208), (25, 28370), (26, 28373), (30, 28472), (34, 28502), (38, 28541), (39, 28550), (52, 28721), (59, 28787), (61, 28793), (63, 28850), (65, 28892), (69, 28922),

Gene: Amao_28 Start: 26722, Stop: 27684, Start Num: 2

Candidate Starts for Amao_28:

(Start: 2 @26722 has 139 MA's), (8, 26785), (9, 26800), (10, 26839), (15, 26905), (25, 27067), (26, 27070), (30, 27169), (34, 27199), (38, 27238), (39, 27247), (52, 27418), (59, 27484), (61, 27490), (63, 27547), (65, 27589), (68, 27610), (69, 27619),

Gene: AmericanBeauty_30 Start: 27505, Stop: 28467, Start Num: 2

Candidate Starts for AmericanBeauty_30:

(Start: 2 @27505 has 139 MA's), (8, 27568), (9, 27583), (10, 27622), (15, 27688), (25, 27850), (26, 27853), (30, 27952), (34, 27982), (38, 28021), (39, 28030), (52, 28201), (59, 28267), (61, 28273), (63, 28330), (65, 28372), (69, 28402),

Gene: Argent26_30 Start: 27508, Stop: 28470, Start Num: 2

Candidate Starts for Argent26_30:

(Start: 2 @27508 has 139 MA's), (8, 27571), (9, 27586), (10, 27625), (15, 27691), (25, 27853), (26, 27856), (30, 27955), (34, 27985), (38, 28024), (39, 28033), (52, 28204), (59, 28270), (61, 28276), (63, 28333), (65, 28375), (69, 28405),

Gene: Ariel_38 Start: 32685, Stop: 33635, Start Num: 2

Candidate Starts for Ariel_38:

(Start: 2 @32685 has 139 MA's), (Start: 3 @32688 has 29 MA's), (4, 32703), (6, 32736), (7, 32742), (13, 32832), (16, 32892), (17, 32895), (20, 32961), (21, 32964), (30, 33129), (38, 33198), (49, 33366), (55, 33417), (61, 33447), (62, 33477),

Gene: Asriel_27 Start: 26386, Stop: 27330, Start Num: 2

Candidate Starts for Asriel_27:

(Start: 2 @26386 has 139 MA's), (4, 26404), (5, 26434), (8, 26449), (18, 26629), (20, 26662), (23, 26701), (25, 26731), (26, 26734), (27, 26743), (29, 26779), (30, 26836), (31, 26842), (38, 26905), (41, 26962), (43, 27004), (54, 27106), (59, 27145), (70, 27280),

Gene: Avani_26 Start: 22464, Stop: 23408, Start Num: 3

Candidate Starts for Avani_26:

(1, 22434), (Start: 2 @22461 has 139 MA's), (Start: 3 @22464 has 29 MA's), (4, 22479), (6, 22512), (7, 22518), (10, 22578), (13, 22608), (36, 22953), (38, 22974), (45, 23097), (48, 23133), (52, 23154), (56, 23199), (59, 23217), (63, 23280), (67, 23334), (70, 23352),

Gene: BaboJay_27 Start: 27068, Stop: 28030, Start Num: 2

Candidate Starts for BaboJay_27:

(Start: 2 @27068 has 139 MA's), (8, 27131), (9, 27146), (10, 27185), (15, 27251), (25, 27413), (26, 27416), (30, 27515), (34, 27545), (38, 27584), (39, 27593), (52, 27764), (59, 27830), (61, 27836), (63, 27893), (65, 27935), (69, 27965),

Gene: BadStone_27 Start: 27517, Stop: 28461, Start Num: 2

Candidate Starts for BadStone_27:

(Start: 2 @27517 has 139 MA's), (4, 27535), (5, 27565), (8, 27580), (18, 27760), (20, 27793), (23, 27832), (25, 27862), (26, 27865), (27, 27874), (29, 27910), (30, 27967), (31, 27973), (38, 28036), (41, 28093), (43, 28135), (54, 28237), (59, 28276), (70, 28411),

Gene: Balomoji_27 Start: 27251, Stop: 28195, Start Num: 2

Candidate Starts for Balomoji_27:

(Start: 2 @27251 has 139 MA's), (4, 27269), (5, 27299), (8, 27314), (18, 27494), (20, 27527), (23, 27566), (25, 27596), (26, 27599), (27, 27608), (29, 27644), (30, 27701), (31, 27707), (38, 27770), (41, 27827), (43, 27869), (54, 27971), (59, 28010), (70, 28145),

Gene: Barbarian_27 Start: 26386, Stop: 27330, Start Num: 2

Candidate Starts for Barbarian_27:

(Start: 2 @26386 has 139 MA's), (4, 26404), (5, 26434), (8, 26449), (18, 26629), (20, 26662), (23, 26701), (25, 26731), (26, 26734), (27, 26743), (29, 26779), (30, 26836), (31, 26842), (38, 26905), (41, 26962), (43, 27004), (54, 27106), (59, 27145), (70, 27280),

Gene: Bask21_28 Start: 26703, Stop: 27647, Start Num: 2

Candidate Starts for Bask21_28:

(Start: 2 @26703 has 139 MA's), (4, 26721), (8, 26766), (18, 26946), (20, 26979), (23, 27018), (25, 27048), (26, 27051), (27, 27060), (30, 27153), (31, 27159), (38, 27222), (41, 27279), (43, 27321), (46, 27348), (59, 27462), (65, 27564),

Gene: Becksu_28 Start: 27701, Stop: 28663, Start Num: 2

Candidate Starts for Becksu_28:

(Start: 2 @27701 has 139 MA's), (8, 27764), (9, 27779), (10, 27818), (15, 27884), (25, 28046), (26, 28049), (30, 28148), (34, 28178), (38, 28217), (39, 28226), (52, 28397), (59, 28463), (61, 28469), (63, 28526), (65, 28568), (69, 28598),

Gene: Bench_30 Start: 27378, Stop: 28340, Start Num: 2

Candidate Starts for Bench_30:

(Start: 2 @27378 has 139 MA's), (8, 27441), (9, 27456), (10, 27495), (15, 27561), (25, 27723), (26, 27726), (30, 27825), (34, 27855), (38, 27894), (39, 27903), (52, 28074), (59, 28140), (61, 28146), (63, 28203), (65, 28245), (69, 28275),

Gene: BigBubba_29 Start: 27281, Stop: 28243, Start Num: 2

Candidate Starts for BigBubba_29:

(Start: 2 @27281 has 139 MA's), (8, 27344), (9, 27359), (10, 27398), (15, 27464), (25, 27626), (26, 27629), (30, 27728), (34, 27758), (38, 27797), (39, 27806), (52, 27977), (59, 28043), (61, 28049), (63, 28106), (65, 28148), (69, 28178),

Gene: BilboSwaggins_28 Start: 27524, Stop: 28468, Start Num: 2

Candidate Starts for BilboSwaggins_28:

(Start: 2 @27524 has 139 MA's), (4, 27542), (8, 27587), (18, 27767), (20, 27800), (23, 27839), (25, 27869), (26, 27872), (27, 27881), (30, 27974), (31, 27980), (38, 28043), (41, 28100), (43, 28142), (46, 28169), (59, 28283), (65, 28385),

Gene: Bipolar_20 Start: 22733, Stop: 23677, Start Num: 3

Candidate Starts for Bipolar_20:

(1, 22703), (Start: 2 @22730 has 139 MA's), (Start: 3 @22733 has 29 MA's), (4, 22748), (5, 22778), (6, 22781), (7, 22787), (16, 22937), (17, 22940), (20, 23006), (21, 23009), (31, 23180), (37, 23237), (38,

23243), (55, 23462), (61, 23492), (67, 23603),

Gene: Bogg_28 Start: 26418, Stop: 27380, Start Num: 2

Candidate Starts for Bogg_28:

(Start: 2 @26418 has 139 MA's), (8, 26481), (9, 26496), (10, 26535), (15, 26601), (25, 26763), (26, 26766), (30, 26865), (34, 26895), (38, 26934), (39, 26943), (52, 27114), (59, 27180), (61, 27186), (63, 27243), (65, 27285), (69, 27315),

Gene: Brewer_28 Start: 27766, Stop: 28728, Start Num: 2

Candidate Starts for Brewer_28:

(Start: 2 @27766 has 139 MA's), (8, 27829), (9, 27844), (10, 27883), (15, 27949), (25, 28111), (26, 28114), (30, 28213), (34, 28243), (38, 28282), (39, 28291), (52, 28462), (59, 28528), (61, 28534), (63, 28591), (65, 28633), (69, 28663),

Gene: BronnyJames_32 Start: 31246, Stop: 32181, Start Num: 3

Candidate Starts for BronnyJames_32:

(1, 31216), (Start: 2 @31243 has 139 MA's), (Start: 3 @31246 has 29 MA's), (4, 31261), (5, 31291), (6, 31294), (7, 31300), (30, 31687), (31, 31693), (38, 31756), (41, 31813), (43, 31855), (46, 31882), (59, 31996), (65, 32098),

Gene: Brookers_21 Start: 22562, Stop: 23509, Start Num: 3

Candidate Starts for Brookers_21:

(Start: 2 @22559 has 139 MA's), (Start: 3 @22562 has 29 MA's), (4, 22577), (5, 22607), (6, 22610), (7, 22616), (38, 23069), (71, 23468),

Gene: Bruin_28 Start: 27538, Stop: 28500, Start Num: 2

Candidate Starts for Bruin_28:

(Start: 2 @27538 has 139 MA's), (8, 27601), (9, 27616), (10, 27655), (15, 27721), (25, 27883), (26, 27886), (30, 27985), (34, 28015), (38, 28054), (39, 28063), (52, 28234), (59, 28300), (61, 28306), (63, 28363), (65, 28405), (69, 28435),

Gene: Buck_27 Start: 27474, Stop: 28436, Start Num: 2

Candidate Starts for Buck_27:

(Start: 2 @27474 has 139 MA's), (8, 27537), (9, 27552), (10, 27591), (15, 27657), (25, 27819), (26, 27822), (30, 27921), (34, 27951), (38, 27990), (39, 27999), (52, 28170), (59, 28236), (61, 28242), (63, 28299), (65, 28341), (69, 28371),

Gene: Budgie_30 Start: 26891, Stop: 27862, Start Num: 2

Candidate Starts for Budgie_30:

(Start: 2 @26891 has 139 MA's), (4, 26909), (8, 26954), (18, 27134), (20, 27167), (23, 27206), (30, 27338), (33, 27350), (35, 27377), (38, 27407), (39, 27416), (40, 27464), (47, 27554), (61, 27665),

Gene: BugsBunny_26 Start: 27107, Stop: 28069, Start Num: 2

Candidate Starts for BugsBunny_26:

(Start: 2 @27107 has 139 MA's), (8, 27170), (9, 27185), (10, 27224), (15, 27290), (25, 27452), (26, 27455), (30, 27554), (34, 27584), (38, 27623), (39, 27632), (52, 27803), (59, 27869), (61, 27875), (63, 27932), (65, 27974), (69, 28004),

Gene: Cactus_29 Start: 26736, Stop: 27680, Start Num: 2

Candidate Starts for Cactus_29:

(Start: 2 @26736 has 139 MA's), (4, 26754), (8, 26799), (18, 26979), (20, 27012), (23, 27051), (25, 27081), (26, 27084), (27, 27093), (30, 27186), (31, 27192), (38, 27255), (41, 27312), (43, 27354), (46, 27381), (59, 27495), (65, 27597),

Gene: Che9d_26 Start: 22472, Stop: 23416, Start Num: 3

Candidate Starts for Che9d_26:

(Start: 2 @22469 has 139 MA's), (Start: 3 @22472 has 29 MA's), (6, 22520), (9, 22547), (13, 22616), (14, 22628), (19, 22742), (36, 22961), (38, 22982), (45, 23105), (48, 23141), (52, 23162), (56, 23207), (59, 23225), (63, 23288), (67, 23342), (70, 23360),

Gene: ChotaBhai_28 Start: 26764, Stop: 27726, Start Num: 2

Candidate Starts for ChotaBhai_28:

(Start: 2 @26764 has 139 MA's), (8, 26827), (9, 26842), (10, 26881), (15, 26947), (25, 27109), (26, 27112), (30, 27211), (34, 27241), (38, 27280), (39, 27289), (52, 27460), (59, 27526), (61, 27532), (63, 27589), (65, 27631), (69, 27661),

Gene: Cjw1_28 Start: 28278, Stop: 29240, Start Num: 2

Candidate Starts for Cjw1_28:

(Start: 2 @28278 has 139 MA's), (8, 28341), (9, 28356), (10, 28395), (15, 28461), (25, 28623), (26, 28626), (30, 28725), (34, 28755), (38, 28794), (39, 28803), (52, 28974), (59, 29040), (61, 29046), (63, 29103), (65, 29145), (69, 29175),

Gene: Clank_20 Start: 22854, Stop: 23792, Start Num: 2

Candidate Starts for Clank_20:

(1, 22827), (Start: 2 @22854 has 139 MA's), (Start: 3 @22857 has 29 MA's), (4, 22872), (5, 22902), (6, 22905), (7, 22911), (30, 23298), (31, 23304), (38, 23367), (41, 23424), (43, 23466), (46, 23493), (59, 23607), (65, 23709),

Gene: Coco12_22 Start: 23103, Stop: 24053, Start Num: 2

Candidate Starts for Coco12_22:

(Start: 2 @23103 has 139 MA's), (Start: 3 @23106 has 29 MA's), (4, 23121), (5, 23151), (6, 23154), (7, 23160), (38, 23613), (71, 24012),

Gene: Command613_29 Start: 27792, Stop: 28736, Start Num: 2

Candidate Starts for Command613_29:

(Start: 2 @27792 has 139 MA's), (4, 27810), (8, 27855), (18, 28035), (20, 28068), (23, 28107), (25, 28137), (26, 28140), (27, 28149), (30, 28242), (31, 28248), (38, 28311), (41, 28368), (43, 28410), (46, 28437), (59, 28551), (65, 28653),

Gene: Contagion_27 Start: 27022, Stop: 27984, Start Num: 2

Candidate Starts for Contagion_27:

(Start: 2 @27022 has 139 MA's), (8, 27085), (9, 27100), (10, 27139), (15, 27205), (25, 27367), (26, 27370), (30, 27469), (34, 27499), (38, 27538), (39, 27547), (52, 27718), (59, 27784), (61, 27790), (63, 27847), (65, 27889), (69, 27919),

Gene: Cookies_28 Start: 27387, Stop: 28349, Start Num: 2

Candidate Starts for Cookies_28:

(Start: 2 @27387 has 139 MA's), (8, 27450), (9, 27465), (10, 27504), (15, 27570), (25, 27732), (26, 27735), (30, 27834), (34, 27864), (38, 27903), (39, 27912), (52, 28083), (59, 28149), (61, 28155), (63, 28212), (65, 28254), (69, 28284),

Gene: Cornie_22 Start: 23599, Stop: 24543, Start Num: 3

Candidate Starts for Cornie_22:

(1, 23569), (Start: 2 @23596 has 139 MA's), (Start: 3 @23599 has 29 MA's), (6, 23647), (7, 23653), (10, 23713), (13, 23743), (20, 23872), (21, 23875), (31, 24046), (37, 24103), (38, 24109), (55, 24328), (61, 24358), (67, 24469),

Gene: Courthouse_38 Start: 33092, Stop: 34039, Start Num: 3

Candidate Starts for Courthouse_38:

(Start: 2 @33089 has 139 MA's), (Start: 3 @33092 has 29 MA's), (4, 33107), (6, 33140), (7, 33146), (13, 33236), (16, 33296), (17, 33299), (20, 33365), (21, 33368), (30, 33533), (38, 33602), (49, 33770), (55, 33821), (61, 33851), (62, 33881),

Gene: CrystalP_28 Start: 27524, Stop: 28468, Start Num: 2

Candidate Starts for CrystalP_28:

(Start: 2 @27524 has 139 MA's), (4, 27542), (8, 27587), (18, 27767), (20, 27800), (23, 27839), (25, 27869), (26, 27872), (27, 27881), (30, 27974), (31, 27980), (38, 28043), (41, 28100), (43, 28142), (46, 28169), (59, 28283), (65, 28385),

Gene: Czyszczone1_29 Start: 27263, Stop: 28225, Start Num: 2

Candidate Starts for Czyszczone1_29:

(Start: 2 @27263 has 139 MA's), (8, 27326), (9, 27341), (10, 27380), (15, 27446), (25, 27608), (26, 27611), (30, 27710), (34, 27740), (38, 27779), (39, 27788), (52, 27959), (59, 28025), (61, 28031), (63, 28088), (65, 28130), (69, 28160),

Gene: Demsculpinboyz_26 Start: 22457, Stop: 23401, Start Num: 3

Candidate Starts for Demsculpinboyz_26:

(1, 22427), (Start: 2 @22454 has 139 MA's), (Start: 3 @22457 has 29 MA's), (4, 22472), (6, 22505), (7, 22511), (10, 22571), (13, 22601), (36, 22946), (38, 22967), (40, 23018), (45, 23090), (48, 23126), (52, 23147), (56, 23192), (59, 23210), (63, 23273), (67, 23327), (70, 23345),

Gene: DmpstrDiver_39 Start: 35733, Stop: 36680, Start Num: 3

Candidate Starts for DmpstrDiver_39:

(Start: 2 @35730 has 139 MA's), (Start: 3 @35733 has 29 MA's), (4, 35748), (6, 35781), (7, 35787), (13, 35877), (16, 35937), (17, 35940), (20, 36006), (21, 36009), (30, 36174), (38, 36243), (49, 36411), (55, 36462), (61, 36492), (62, 36522),

Gene: DoctorDiddles_28 Start: 26680, Stop: 27642, Start Num: 2

Candidate Starts for DoctorDiddles_28:

(Start: 2 @26680 has 139 MA's), (8, 26743), (9, 26758), (10, 26797), (15, 26863), (25, 27025), (26, 27028), (30, 27127), (34, 27157), (38, 27196), (39, 27205), (52, 27376), (59, 27442), (61, 27448), (63, 27505), (65, 27547), (69, 27577),

Gene: DrDrey_29 Start: 28010, Stop: 28972, Start Num: 2

Candidate Starts for DrDrey_29:

(Start: 2 @28010 has 139 MA's), (8, 28073), (9, 28088), (10, 28127), (15, 28193), (25, 28355), (26, 28358), (30, 28457), (34, 28487), (38, 28526), (39, 28535), (52, 28706), (59, 28772), (61, 28778), (63, 28835), (65, 28877), (69, 28907),

Gene: Dumbo_28 Start: 26985, Stop: 27947, Start Num: 2

Candidate Starts for Dumbo_28:

(Start: 2 @26985 has 139 MA's), (8, 27048), (9, 27063), (10, 27102), (15, 27168), (25, 27330), (26, 27333), (30, 27432), (34, 27462), (38, 27501), (39, 27510), (52, 27681), (59, 27747), (61, 27753), (63, 27810), (65, 27852), (69, 27882),

Gene: Dusk_27 Start: 27177, Stop: 28121, Start Num: 2

Candidate Starts for Dusk_27:

(Start: 2 @27177 has 139 MA's), (4, 27195), (5, 27225), (8, 27240), (18, 27420), (20, 27453), (23, 27492), (25, 27522), (26, 27525), (27, 27534), (29, 27570), (30, 27627), (31, 27633), (38, 27696), (41,

27753), (43, 27795), (54, 27897), (59, 27936), (70, 28071),

Gene: Easy2Say_30 Start: 28768, Stop: 29730, Start Num: 2

Candidate Starts for Easy2Say_30:

(Start: 2 @28768 has 139 MA's), (8, 28831), (9, 28846), (10, 28885), (15, 28951), (25, 29113), (26, 29116), (30, 29215), (34, 29245), (38, 29284), (39, 29293), (52, 29464), (59, 29530), (61, 29536), (63, 29593), (65, 29635), (69, 29665),

Gene: Elite2014_27 Start: 26725, Stop: 27687, Start Num: 2

Candidate Starts for Elite2014_27:

(Start: 2 @26725 has 139 MA's), (8, 26788), (9, 26803), (10, 26842), (15, 26908), (25, 27070), (26, 27073), (30, 27172), (34, 27202), (38, 27241), (39, 27250), (52, 27421), (59, 27487), (61, 27493), (63, 27550), (65, 27592), (69, 27622),

Gene: Elph10_29 Start: 26988, Stop: 27950, Start Num: 2

Candidate Starts for Elph10_29:

(Start: 2 @26988 has 139 MA's), (8, 27051), (9, 27066), (10, 27105), (15, 27171), (25, 27333), (26, 27336), (30, 27435), (34, 27465), (38, 27504), (39, 27513), (52, 27684), (59, 27750), (61, 27756), (63, 27813), (65, 27855), (69, 27885),

Gene: Emmina_29 Start: 27346, Stop: 28308, Start Num: 2

Candidate Starts for Emmina_29:

(Start: 2 @27346 has 139 MA's), (8, 27409), (9, 27424), (10, 27463), (15, 27529), (25, 27691), (26, 27694), (30, 27793), (34, 27823), (38, 27862), (39, 27871), (52, 28042), (59, 28108), (61, 28114), (63, 28171), (65, 28213), (69, 28243),

Gene: Estave1_20 Start: 22825, Stop: 23772, Start Num: 3

Candidate Starts for Estave1_20:

(1, 22795), (Start: 2 @22822 has 139 MA's), (Start: 3 @22825 has 29 MA's), (6, 22873), (24, 23137), (29, 23209), (30, 23263), (32, 23272), (38, 23332), (39, 23341), (53, 23536), (57, 23572), (58, 23575), (60, 23581), (61, 23584), (66, 23686),

Gene: Eureka_28 Start: 27509, Stop: 28453, Start Num: 2

Candidate Starts for Eureka_28:

(Start: 2 @27509 has 139 MA's), (4, 27527), (8, 27572), (18, 27752), (20, 27785), (23, 27824), (25, 27854), (26, 27857), (27, 27866), (30, 27959), (31, 27965), (38, 28028), (41, 28085), (43, 28127), (46, 28154), (59, 28268), (65, 28370),

Gene: FairyPath_28 Start: 27721, Stop: 28665, Start Num: 2

Candidate Starts for FairyPath_28:

(Start: 2 @27721 has 139 MA's), (4, 27739), (8, 27784), (18, 27964), (20, 27997), (23, 28036), (25, 28066), (26, 28069), (27, 28078), (30, 28171), (31, 28177), (38, 28240), (41, 28297), (43, 28339), (46, 28366), (59, 28480), (65, 28582),

Gene: Filch_29 Start: 27276, Stop: 28238, Start Num: 2

Candidate Starts for Filch_29:

(Start: 2 @27276 has 139 MA's), (8, 27339), (9, 27354), (10, 27393), (15, 27459), (25, 27621), (26, 27624), (30, 27723), (34, 27753), (38, 27792), (39, 27801), (52, 27972), (59, 28038), (61, 28044), (63, 28101), (65, 28143), (69, 28173),

Gene: FireRed_28 Start: 27546, Stop: 28508, Start Num: 2

Candidate Starts for FireRed_28:

(Start: 2 @27546 has 139 MA's), (8, 27609), (9, 27624), (10, 27663), (15, 27729), (25, 27891), (26, 27894), (30, 27993), (34, 28023), (38, 28062), (39, 28071), (52, 28242), (59, 28308), (61, 28314), (63, 28371), (65, 28413), (69, 28443),

Gene: Flypotenuse_26 Start: 27122, Stop: 28066, Start Num: 2

Candidate Starts for Flypotenuse_26:

(Start: 2 @27122 has 139 MA's), (8, 27185), (9, 27200), (10, 27239), (15, 27305), (25, 27467), (26, 27470), (27, 27479), (29, 27515), (30, 27572), (31, 27578), (38, 27641), (41, 27698), (42, 27707), (43, 27740), (59, 27881), (64, 27980), (65, 27983), (70, 28016),

Gene: FoghornLeghorn_27 Start: 27022, Stop: 27984, Start Num: 2

Candidate Starts for FoghornLeghorn_27:

(Start: 2 @27022 has 139 MA's), (8, 27085), (9, 27100), (10, 27139), (15, 27205), (25, 27367), (26, 27370), (30, 27469), (34, 27499), (38, 27538), (39, 27547), (52, 27718), (59, 27784), (61, 27790), (63, 27847), (65, 27889), (69, 27919),

Gene: Gage_30 Start: 27508, Stop: 28470, Start Num: 2

Candidate Starts for Gage_30:

(Start: 2 @27508 has 139 MA's), (8, 27571), (9, 27586), (10, 27625), (15, 27691), (25, 27853), (26, 27856), (30, 27955), (34, 27985), (38, 28024), (39, 28033), (52, 28204), (59, 28270), (61, 28276), (63, 28333), (65, 28375), (69, 28405),

Gene: Gator_26 Start: 27133, Stop: 28077, Start Num: 2

Candidate Starts for Gator_26:

(Start: 2 @27133 has 139 MA's), (4, 27151), (5, 27181), (8, 27196), (18, 27376), (20, 27409), (23, 27448), (25, 27478), (26, 27481), (27, 27490), (29, 27526), (30, 27583), (31, 27589), (38, 27652), (41, 27709), (43, 27751), (54, 27853), (59, 27892), (70, 28027),

Gene: Gemini_31 Start: 28025, Stop: 28987, Start Num: 2

Candidate Starts for Gemini_31:

(Start: 2 @28025 has 139 MA's), (8, 28088), (9, 28103), (10, 28142), (15, 28208), (25, 28370), (26, 28373), (30, 28472), (34, 28502), (38, 28541), (39, 28550), (52, 28721), (59, 28787), (61, 28793), (63, 28850), (65, 28892), (69, 28922),

Gene: Glexan_26 Start: 27122, Stop: 28066, Start Num: 2

Candidate Starts for Glexan_26:

(Start: 2 @27122 has 139 MA's), (8, 27185), (9, 27200), (10, 27239), (15, 27305), (25, 27467), (26, 27470), (27, 27479), (29, 27515), (30, 27572), (31, 27578), (38, 27641), (41, 27698), (42, 27707), (43, 27740), (59, 27881), (64, 27980), (65, 27983), (70, 28016),

Gene: Goku_28 Start: 27238, Stop: 28182, Start Num: 2

Candidate Starts for Goku_28:

(Start: 2 @27238 has 139 MA's), (4, 27256), (8, 27301), (18, 27481), (20, 27514), (23, 27553), (25, 27583), (26, 27586), (27, 27595), (30, 27688), (31, 27694), (38, 27757), (41, 27814), (43, 27856), (46, 27883), (59, 27997), (65, 28099),

Gene: GoldenSpark_30 Start: 27508, Stop: 28470, Start Num: 2

Candidate Starts for GoldenSpark_30:

(Start: 2 @27508 has 139 MA's), (8, 27571), (9, 27586), (10, 27625), (15, 27691), (25, 27853), (26, 27856), (30, 27955), (34, 27985), (38, 28024), (39, 28033), (52, 28204), (59, 28270), (61, 28276), (63, 28333), (65, 28375), (69, 28405),

Gene: Goldilocks_29 Start: 26928, Stop: 27890, Start Num: 2

Candidate Starts for Goldilocks_29:

(Start: 2 @26928 has 139 MA's), (8, 26991), (9, 27006), (10, 27045), (15, 27111), (25, 27273), (26, 27276), (30, 27375), (34, 27405), (38, 27444), (39, 27453), (52, 27624), (59, 27690), (61, 27696), (63, 27753), (65, 27795), (69, 27825),

Gene: GooberAzure_30 Start: 27508, Stop: 28470, Start Num: 2

Candidate Starts for GooberAzure_30:

(Start: 2 @27508 has 139 MA's), (8, 27571), (9, 27586), (10, 27625), (15, 27691), (25, 27853), (26, 27856), (30, 27955), (34, 27985), (38, 28024), (39, 28033), (52, 28204), (59, 28270), (61, 28276), (63, 28333), (65, 28375), (69, 28405),

Gene: Greep_29 Start: 27838, Stop: 28800, Start Num: 2

Candidate Starts for Greep_29:

(Start: 2 @27838 has 139 MA's), (8, 27901), (9, 27916), (10, 27955), (15, 28021), (25, 28183), (26, 28186), (30, 28285), (34, 28315), (38, 28354), (39, 28363), (52, 28534), (59, 28600), (61, 28606), (63, 28663), (65, 28705), (69, 28735),

Gene: HanKaySha_29 Start: 27260, Stop: 28222, Start Num: 2

Candidate Starts for HanKaySha_29:

(Start: 2 @27260 has 139 MA's), (8, 27323), (9, 27338), (10, 27377), (15, 27443), (25, 27605), (26, 27608), (30, 27707), (34, 27737), (38, 27776), (39, 27785), (52, 27956), (59, 28022), (61, 28028), (63, 28085), (65, 28127), (69, 28157),

Gene: Hannaconda_35 Start: 31701, Stop: 32636, Start Num: 3

Candidate Starts for Hannaconda_35:

(1, 31671), (Start: 2 @31698 has 139 MA's), (Start: 3 @31701 has 29 MA's), (4, 31716), (5, 31746), (6, 31749), (7, 31755), (30, 32142), (31, 32148), (38, 32211), (41, 32268), (43, 32310), (46, 32337), (59, 32451), (65, 32553),

Gene: Harella_27 Start: 27638, Stop: 28582, Start Num: 2

Candidate Starts for Harella_27:

(Start: 2 @27638 has 139 MA's), (8, 27701), (9, 27716), (10, 27755), (15, 27821), (25, 27983), (26, 27986), (27, 27995), (29, 28031), (30, 28088), (31, 28094), (38, 28157), (41, 28214), (42, 28223), (43, 28256), (59, 28397), (64, 28496), (65, 28499), (70, 28532),

Gene: Highbury_29 Start: 27176, Stop: 28138, Start Num: 2

Candidate Starts for Highbury_29:

(Start: 2 @27176 has 139 MA's), (8, 27239), (9, 27254), (10, 27293), (15, 27359), (25, 27521), (26, 27524), (30, 27623), (34, 27653), (38, 27692), (39, 27701), (52, 27872), (59, 27938), (61, 27944), (63, 28001), (65, 28043), (69, 28073),

Gene: Holt_29 Start: 26795, Stop: 27757, Start Num: 2

Candidate Starts for Holt_29:

(Start: 2 @26795 has 139 MA's), (8, 26858), (9, 26873), (10, 26912), (15, 26978), (25, 27140), (26, 27143), (30, 27242), (34, 27272), (38, 27311), (39, 27320), (52, 27491), (59, 27557), (61, 27563), (63, 27620), (65, 27662), (69, 27692),

Gene: Hoonter_30 Start: 27508, Stop: 28470, Start Num: 2

Candidate Starts for Hoonter_30:

(Start: 2 @27508 has 139 MA's), (8, 27571), (9, 27586), (10, 27625), (15, 27691), (25, 27853), (26, 27856), (30, 27955), (34, 27985), (38, 28024), (39, 28033), (52, 28204), (59, 28270), (61, 28276), (63, 28333), (65, 28375), (69, 28405),

Gene: Hokey_30 Start: 27795, Stop: 28757, Start Num: 2

Candidate Starts for Hokey_30:

(Start: 2 @27795 has 139 MA's), (8, 27858), (9, 27873), (10, 27912), (15, 27978), (25, 28140), (26, 28143), (30, 28242), (34, 28272), (38, 28311), (39, 28320), (52, 28491), (59, 28557), (61, 28563), (63, 28620), (65, 28662), (69, 28692),

Gene: HufflyPuff_27 Start: 27502, Stop: 28464, Start Num: 2

Candidate Starts for HufflyPuff_27:

(Start: 2 @27502 has 139 MA's), (8, 27565), (9, 27580), (10, 27619), (15, 27685), (25, 27847), (26, 27850), (30, 27949), (34, 27979), (38, 28018), (39, 28027), (52, 28198), (59, 28264), (61, 28270), (63, 28327), (65, 28369), (69, 28399),

Gene: IHOP_28 Start: 27700, Stop: 28644, Start Num: 2

Candidate Starts for IHOP_28:

(Start: 2 @27700 has 139 MA's), (4, 27718), (8, 27763), (18, 27943), (20, 27976), (23, 28015), (25, 28045), (26, 28048), (27, 28057), (30, 28150), (31, 28156), (38, 28219), (41, 28276), (43, 28318), (46, 28345), (59, 28459), (65, 28561),

Gene: Icee_27 Start: 27183, Stop: 28127, Start Num: 2

Candidate Starts for Icee_27:

(Start: 2 @27183 has 139 MA's), (4, 27201), (8, 27246), (18, 27426), (20, 27459), (23, 27498), (25, 27528), (26, 27531), (27, 27540), (30, 27633), (31, 27639), (38, 27702), (41, 27759), (43, 27801), (46, 27828), (59, 27942), (65, 28044),

Gene: Inca_27 Start: 26197, Stop: 27159, Start Num: 2

Candidate Starts for Inca_27:

(Start: 2 @26197 has 139 MA's), (8, 26260), (9, 26275), (10, 26314), (15, 26380), (25, 26542), (26, 26545), (30, 26644), (34, 26674), (38, 26713), (39, 26722), (52, 26893), (59, 26959), (61, 26965), (63, 27022), (65, 27064), (69, 27094),

Gene: Jabbawokkie_28 Start: 23152, Stop: 24099, Start Num: 2

Candidate Starts for Jabbawokkie_28:

(Start: 2 @23152 has 139 MA's), (Start: 3 @23155 has 29 MA's), (4, 23170), (5, 23200), (6, 23203), (7, 23209), (36, 23644), (38, 23665), (45, 23788), (48, 23824), (52, 23845), (56, 23890), (59, 23908), (63, 23971), (67, 24025), (70, 24043),

Gene: JeTaime_30 Start: 28319, Stop: 29281, Start Num: 2

Candidate Starts for JeTaime_30:

(Start: 2 @28319 has 139 MA's), (8, 28382), (9, 28397), (10, 28436), (15, 28502), (25, 28664), (26, 28667), (30, 28766), (34, 28796), (38, 28835), (39, 28844), (52, 29015), (59, 29081), (61, 29087), (63, 29144), (65, 29186), (69, 29216),

Gene: Kanye_30 Start: 28504, Stop: 29466, Start Num: 2

Candidate Starts for Kanye_30:

(Start: 2 @28504 has 139 MA's), (8, 28567), (9, 28582), (10, 28621), (15, 28687), (25, 28849), (26, 28852), (30, 28951), (34, 28981), (38, 29020), (39, 29029), (52, 29200), (59, 29266), (61, 29272), (63, 29329), (65, 29371), (69, 29401),

Gene: KashFlow_32 Start: 31322, Stop: 32257, Start Num: 3

Candidate Starts for KashFlow_32:

(1, 31292), (Start: 2 @31319 has 139 MA's), (Start: 3 @31322 has 29 MA's), (4, 31337), (5, 31367), (6, 31370), (7, 31376), (30, 31763), (31, 31769), (38, 31832), (41, 31889), (43, 31931), (46, 31958), (59, 32072), (65, 32174),

Gene: Kenuha5_20 Start: 22858, Stop: 23793, Start Num: 3

Candidate Starts for Kenuha5_20:

(1, 22828), (Start: 2 @22855 has 139 MA's), (Start: 3 @22858 has 29 MA's), (6, 22906), (30, 23299), (31, 23305), (38, 23368), (41, 23425), (43, 23467), (46, 23494), (59, 23608), (65, 23710),

Gene: Kersh_21 Start: 22891, Stop: 23838, Start Num: 3

Candidate Starts for Kersh_21:

(1, 22861), (Start: 2 @22888 has 139 MA's), (Start: 3 @22891 has 29 MA's), (4, 22906), (6, 22939), (7, 22945), (16, 23095), (17, 23098), (20, 23164), (21, 23167), (30, 23332), (38, 23401), (49, 23569), (55, 23620), (61, 23650), (62, 23680),

Gene: Kimchi_30 Start: 27511, Stop: 28473, Start Num: 2

Candidate Starts for Kimchi_30:

(Start: 2 @27511 has 139 MA's), (8, 27574), (9, 27589), (10, 27628), (15, 27694), (25, 27856), (26, 27859), (30, 27958), (34, 27988), (38, 28027), (39, 28036), (52, 28207), (59, 28273), (61, 28279), (63, 28336), (65, 28378), (69, 28408),

Gene: Kingsley_21 Start: 22567, Stop: 23514, Start Num: 3

Candidate Starts for Kingsley_21:

(1, 22537), (Start: 2 @22564 has 139 MA's), (Start: 3 @22567 has 29 MA's), (4, 22582), (5, 22612), (6, 22615), (7, 22621), (38, 23074), (71, 23473),

Gene: Lilac_30 Start: 27015, Stop: 27977, Start Num: 2

Candidate Starts for Lilac_30:

(Start: 2 @27015 has 139 MA's), (8, 27078), (9, 27093), (10, 27132), (15, 27198), (25, 27360), (26, 27363), (30, 27462), (34, 27492), (38, 27531), (39, 27540), (52, 27711), (59, 27777), (61, 27783), (63, 27840), (65, 27882), (69, 27912),

Gene: Lilizi_30 Start: 27223, Stop: 28185, Start Num: 2

Candidate Starts for Lilizi_30:

(Start: 2 @27223 has 139 MA's), (8, 27286), (9, 27301), (10, 27340), (15, 27406), (25, 27568), (26, 27571), (30, 27670), (34, 27700), (38, 27739), (39, 27748), (52, 27919), (59, 27985), (61, 27991), (63, 28048), (65, 28090), (69, 28120),

Gene: Lilpickle_27 Start: 26725, Stop: 27687, Start Num: 2

Candidate Starts for Lilpickle_27:

(Start: 2 @26725 has 139 MA's), (8, 26788), (9, 26803), (10, 26842), (15, 26908), (25, 27070), (26, 27073), (30, 27172), (34, 27202), (38, 27241), (39, 27250), (52, 27421), (59, 27487), (61, 27493), (63, 27550), (65, 27592), (69, 27622),

Gene: Lucky2013_38 Start: 33219, Stop: 34166, Start Num: 3

Candidate Starts for Lucky2013_38:

(Start: 2 @33216 has 139 MA's), (Start: 3 @33219 has 29 MA's), (4, 33234), (6, 33267), (7, 33273), (13, 33363), (16, 33423), (17, 33426), (20, 33492), (21, 33495), (30, 33660), (38, 33729), (49, 33897), (55, 33948), (61, 33978), (62, 34008),

Gene: LunaStella_22 Start: 23236, Stop: 24183, Start Num: 3

Candidate Starts for LunaStella_22:

(1, 23206), (Start: 2 @23233 has 139 MA's), (Start: 3 @23236 has 29 MA's), (4, 23251), (6, 23284), (13, 23380), (22, 23521), (24, 23548), (38, 23743), (57, 23983), (58, 23986), (60, 23992), (61, 23995), (62, 24025),

Gene: MISSy_27 Start: 27030, Stop: 27992, Start Num: 2

Candidate Starts for MISSy_27:

(Start: 2 @27030 has 139 MA's), (8, 27093), (9, 27108), (10, 27147), (15, 27213), (25, 27375), (26, 27378), (30, 27477), (34, 27507), (38, 27546), (39, 27555), (52, 27726), (59, 27792), (61, 27798), (63, 27855), (65, 27897), (69, 27927),

Gene: MPhalcon_27 Start: 27024, Stop: 27986, Start Num: 2

Candidate Starts for MPhalcon_27:

(Start: 2 @27024 has 139 MA's), (8, 27087), (9, 27102), (10, 27141), (15, 27207), (25, 27369), (26, 27372), (30, 27471), (34, 27501), (38, 27540), (39, 27549), (52, 27720), (59, 27786), (61, 27792), (63, 27849), (65, 27891), (69, 27921),

Gene: MadMen_21 Start: 22963, Stop: 23895, Start Num: 3

Candidate Starts for MadMen_21:

(1, 22933), (Start: 2 @22960 has 139 MA's), (Start: 3 @22963 has 29 MA's), (6, 23011), (13, 23107), (30, 23404), (31, 23410), (32, 23413), (38, 23473), (41, 23530), (44, 23578), (50, 23638), (51, 23644), (55, 23686), (56, 23692), (65, 23812), (67, 23827),

Gene: MadamMonkfish_28 Start: 26936, Stop: 27898, Start Num: 2

Candidate Starts for MadamMonkfish_28:

(Start: 2 @26936 has 139 MA's), (8, 26999), (9, 27014), (10, 27053), (15, 27119), (25, 27281), (26, 27284), (30, 27383), (34, 27413), (38, 27452), (39, 27461), (52, 27632), (59, 27698), (61, 27704), (63, 27761), (65, 27803), (69, 27833),

Gene: Madiba_21 Start: 22605, Stop: 23540, Start Num: 3

Candidate Starts for Madiba_21:

(1, 22575), (Start: 2 @22602 has 139 MA's), (Start: 3 @22605 has 29 MA's), (6, 22653), (13, 22749), (30, 23046), (31, 23052), (38, 23115), (41, 23172), (43, 23214), (46, 23241), (59, 23355), (70, 23490),

Gene: Manda_29 Start: 28003, Stop: 28965, Start Num: 2

Candidate Starts for Manda_29:

(Start: 2 @28003 has 139 MA's), (8, 28066), (9, 28081), (10, 28120), (15, 28186), (25, 28348), (26, 28351), (30, 28450), (34, 28480), (38, 28519), (39, 28528), (52, 28699), (59, 28765), (61, 28771), (63, 28828), (65, 28870), (69, 28900),

Gene: Marshmallow_28 Start: 27523, Stop: 28467, Start Num: 2

Candidate Starts for Marshmallow_28:

(Start: 2 @27523 has 139 MA's), (4, 27541), (8, 27586), (18, 27766), (20, 27799), (23, 27838), (25, 27868), (26, 27871), (27, 27880), (30, 27973), (31, 27979), (38, 28042), (41, 28099), (43, 28141), (46, 28168), (59, 28282), (65, 28384),

Gene: Maxxinista_29 Start: 26985, Stop: 27947, Start Num: 2

Candidate Starts for Maxxinista_29:

(Start: 2 @26985 has 139 MA's), (8, 27048), (9, 27063), (10, 27102), (15, 27168), (25, 27330), (26, 27333), (30, 27432), (34, 27462), (38, 27501), (39, 27510), (52, 27681), (59, 27747), (61, 27753), (63, 27810), (65, 27852), (69, 27882),

Gene: MiaZeal_38 Start: 32904, Stop: 33851, Start Num: 3

Candidate Starts for MiaZeal_38:

(Start: 2 @32901 has 139 MA's), (Start: 3 @32904 has 29 MA's), (4, 32919), (6, 32952), (7, 32958), (13, 33048), (16, 33108), (17, 33111), (20, 33177), (21, 33180), (30, 33345), (38, 33414), (49, 33582), (55, 33633), (61, 33663), (62, 33693),

Gene: Mindy_28 Start: 27302, Stop: 28246, Start Num: 2

Candidate Starts for Mindy_28:

(Start: 2 @27302 has 139 MA's), (4, 27320), (8, 27365), (18, 27545), (20, 27578), (23, 27617), (25, 27647), (26, 27650), (27, 27659), (30, 27752), (31, 27758), (38, 27821), (41, 27878), (43, 27920), (46, 27947), (59, 28061), (65, 28163),

Gene: Miniwave_28 Start: 27715, Stop: 28677, Start Num: 2

Candidate Starts for Miniwave_28:

(Start: 2 @27715 has 139 MA's), (8, 27778), (9, 27793), (10, 27832), (15, 27898), (25, 28060), (26, 28063), (30, 28162), (34, 28192), (38, 28231), (39, 28240), (52, 28411), (59, 28477), (61, 28483), (63, 28540), (65, 28582), (69, 28612),

Gene: Misfit_28 Start: 27605, Stop: 28567, Start Num: 2

Candidate Starts for Misfit_28:

(Start: 2 @27605 has 139 MA's), (8, 27668), (9, 27683), (10, 27722), (15, 27788), (25, 27950), (26, 27953), (30, 28052), (34, 28082), (38, 28121), (39, 28130), (52, 28301), (59, 28367), (61, 28373), (63, 28430), (65, 28472), (69, 28502),

Gene: Moldemort_29 Start: 27260, Stop: 28222, Start Num: 2

Candidate Starts for Moldemort_29:

(Start: 2 @27260 has 139 MA's), (8, 27323), (9, 27338), (10, 27377), (15, 27443), (25, 27605), (26, 27608), (30, 27707), (34, 27737), (38, 27776), (39, 27785), (52, 27956), (59, 28022), (61, 28028), (63, 28085), (65, 28127), (69, 28157),

Gene: MollyToe_28 Start: 27689, Stop: 28651, Start Num: 2

Candidate Starts for MollyToe_28:

(Start: 2 @27689 has 139 MA's), (8, 27752), (9, 27767), (10, 27806), (15, 27872), (25, 28034), (26, 28037), (30, 28136), (34, 28166), (38, 28205), (39, 28214), (52, 28385), (59, 28451), (61, 28457), (63, 28514), (65, 28556), (69, 28586),

Gene: MooMoo_20 Start: 22388, Stop: 23341, Start Num: 2

Candidate Starts for MooMoo_20:

(Start: 2 @22388 has 139 MA's), (9, 22466), (11, 22511), (12, 22529), (17, 22598), (30, 22832), (38, 22901), (58, 23144), (62, 23183), (63, 23210), (66, 23255),

Gene: Mosby_27 Start: 27022, Stop: 27984, Start Num: 2

Candidate Starts for Mosby_27:

(Start: 2 @27022 has 139 MA's), (8, 27085), (9, 27100), (10, 27139), (15, 27205), (25, 27367), (26, 27370), (30, 27469), (34, 27499), (38, 27538), (39, 27547), (52, 27718), (59, 27784), (61, 27790), (63, 27847), (65, 27889), (69, 27919),

Gene: Murica_27 Start: 27502, Stop: 28464, Start Num: 2

Candidate Starts for Murica_27:

(Start: 2 @27502 has 139 MA's), (8, 27565), (9, 27580), (10, 27619), (15, 27685), (25, 27847), (26, 27850), (30, 27949), (34, 27979), (38, 28018), (39, 28027), (52, 28198), (59, 28264), (61, 28270), (63, 28327), (65, 28369), (69, 28399),

Gene: Murphy_29 Start: 27497, Stop: 28459, Start Num: 2

Candidate Starts for Murphy_29:

(Start: 2 @27497 has 139 MA's), (8, 27560), (9, 27575), (10, 27614), (15, 27680), (25, 27842), (26, 27845), (30, 27944), (34, 27974), (38, 28013), (39, 28022), (52, 28193), (59, 28259), (61, 28265), (63, 28322), (65, 28364), (69, 28394),

Gene: Myrale_28 Start: 27388, Stop: 28332, Start Num: 2

Candidate Starts for Myrale_28:

(Start: 2 @27388 has 139 MA's), (4, 27406), (5, 27436), (8, 27451), (18, 27631), (20, 27664), (23, 27703), (25, 27733), (26, 27736), (27, 27745), (29, 27781), (30, 27838), (31, 27844), (38, 27907), (41, 27964), (43, 28006), (54, 28108), (59, 28147), (70, 28282),

Gene: Nala_28 Start: 27544, Stop: 28488, Start Num: 2

Candidate Starts for Nala_28:

(Start: 2 @27544 has 139 MA's), (8, 27607), (9, 27622), (10, 27661), (15, 27727), (25, 27889), (26, 27892), (27, 27901), (30, 27994), (31, 28000), (38, 28063), (41, 28120), (42, 28129), (43, 28162), (59, 28303), (64, 28402), (65, 28405), (70, 28438),

Gene: NelitzaMV_28 Start: 27593, Stop: 28537, Start Num: 2

Candidate Starts for NelitzaMV_28:

(Start: 2 @27593 has 139 MA's), (4, 27611), (8, 27656), (18, 27836), (20, 27869), (23, 27908), (25, 27938), (26, 27941), (27, 27950), (30, 28043), (31, 28049), (38, 28112), (41, 28169), (43, 28211), (46, 28238), (59, 28352), (65, 28454),

Gene: Nibley_33 Start: 31759, Stop: 32694, Start Num: 3

Candidate Starts for Nibley_33:

(1, 31729), (Start: 2 @31756 has 139 MA's), (Start: 3 @31759 has 29 MA's), (4, 31774), (5, 31804), (6, 31807), (7, 31813), (30, 32200), (31, 32206), (38, 32269), (41, 32326), (43, 32368), (46, 32395), (59, 32509), (65, 32611),

Gene: Nimrod_28 Start: 27763, Stop: 28722, Start Num: 2

Candidate Starts for Nimrod_28:

(Start: 2 @27763 has 139 MA's), (8, 27826), (9, 27841), (10, 27880), (15, 27946), (28, 28126), (30, 28210), (32, 28219), (33, 28222), (35, 28249), (38, 28279), (52, 28459), (61, 28531), (63, 28588), (65, 28630), (67, 28645),

Gene: NoSleep_29 Start: 27257, Stop: 28219, Start Num: 2

Candidate Starts for NoSleep_29:

(Start: 2 @27257 has 139 MA's), (8, 27320), (9, 27335), (10, 27374), (15, 27440), (25, 27602), (26, 27605), (30, 27704), (34, 27734), (38, 27773), (39, 27782), (52, 27953), (59, 28019), (61, 28025), (63, 28082), (65, 28124), (69, 28154),

Gene: NonchalantPear_28 Start: 27210, Stop: 28172, Start Num: 2

Candidate Starts for NonchalantPear_28:

(Start: 2 @27210 has 139 MA's), (8, 27273), (9, 27288), (10, 27327), (15, 27393), (25, 27555), (26, 27558), (30, 27657), (34, 27687), (38, 27726), (39, 27735), (52, 27906), (59, 27972), (61, 27978), (63, 28035), (65, 28077), (69, 28107),

Gene: Ogopogo_23 Start: 23052, Stop: 23999, Start Num: 3

Candidate Starts for Ogopogo_23:

(1, 23022), (Start: 2 @23049 has 139 MA's), (Start: 3 @23052 has 29 MA's), (6, 23100), (7, 23106), (10, 23166), (13, 23196), (20, 23325), (21, 23328), (30, 23493), (31, 23499), (32, 23502), (38, 23562), (49, 23730), (55, 23781), (61, 23811),

Gene: OrionPax_29 Start: 27263, Stop: 28225, Start Num: 2

Candidate Starts for OrionPax_29:

(Start: 2 @27263 has 139 MA's), (8, 27326), (9, 27341), (10, 27380), (15, 27446), (25, 27608), (26, 27611), (30, 27710), (34, 27740), (38, 27779), (39, 27788), (52, 27959), (59, 28025), (61, 28031), (63, 28088), (65, 28130), (69, 28160),

Gene: PaddyBaddy_29 Start: 27273, Stop: 28235, Start Num: 2

Candidate Starts for PaddyBaddy_29:

(Start: 2 @27273 has 139 MA's), (8, 27336), (9, 27351), (10, 27390), (15, 27456), (25, 27618), (26, 27621), (30, 27720), (34, 27750), (38, 27789), (39, 27798), (52, 27969), (59, 28035), (61, 28041), (63, 28098), (65, 28140), (69, 28170),

Gene: Palpatine_28 Start: 27532, Stop: 28494, Start Num: 2

Candidate Starts for Palpatine_28:

(Start: 2 @27532 has 139 MA's), (8, 27595), (9, 27610), (10, 27649), (15, 27715), (25, 27877), (26, 27880), (30, 27979), (34, 28009), (38, 28048), (39, 28057), (52, 28228), (59, 28294), (61, 28300), (63, 28357), (65, 28399), (69, 28429),

Gene: Paperbeatsrock_30 Start: 28498, Stop: 29460, Start Num: 2

Candidate Starts for Paperbeatsrock_30:

(Start: 2 @28498 has 139 MA's), (8, 28561), (9, 28576), (10, 28615), (15, 28681), (25, 28843), (26, 28846), (30, 28945), (34, 28975), (38, 29014), (39, 29023), (52, 29194), (59, 29260), (61, 29266), (63, 29323), (65, 29365), (69, 29395),

Gene: Pat3_27 Start: 26244, Stop: 27206, Start Num: 2

Candidate Starts for Pat3_27:

(Start: 2 @26244 has 139 MA's), (8, 26307), (9, 26322), (10, 26361), (15, 26427), (25, 26589), (26, 26592), (30, 26691), (34, 26721), (38, 26760), (39, 26769), (52, 26940), (59, 27006), (61, 27012), (63, 27069), (65, 27111), (69, 27141),

Gene: Petra64142_30 Start: 27978, Stop: 28940, Start Num: 2

Candidate Starts for Petra64142_30:

(Start: 2 @27978 has 139 MA's), (8, 28041), (9, 28056), (10, 28095), (15, 28161), (25, 28323), (26, 28326), (30, 28425), (34, 28455), (38, 28494), (39, 28503), (52, 28674), (59, 28740), (61, 28746), (63, 28803), (65, 28845), (69, 28875),

Gene: Phaja_28 Start: 27700, Stop: 28644, Start Num: 2

Candidate Starts for Phaja_28:

(Start: 2 @27700 has 139 MA's), (4, 27718), (8, 27763), (18, 27943), (20, 27976), (23, 28015), (25, 28045), (26, 28048), (27, 28057), (30, 28150), (31, 28156), (38, 28219), (41, 28276), (43, 28318), (46, 28345), (59, 28459), (65, 28561),

Gene: Phanphagia_20 Start: 22761, Stop: 23708, Start Num: 3

Candidate Starts for Phanphagia_20:

(1, 22731), (Start: 2 @22758 has 139 MA's), (Start: 3 @22761 has 29 MA's), (4, 22776), (5, 22806), (6, 22809), (7, 22815), (38, 23268), (71, 23667),

Gene: Pharsalus_29 Start: 28298, Stop: 29260, Start Num: 2

Candidate Starts for Pharsalus_29:

(Start: 2 @28298 has 139 MA's), (8, 28361), (9, 28376), (10, 28415), (15, 28481), (25, 28643), (26, 28646), (30, 28745), (34, 28775), (38, 28814), (39, 28823), (52, 28994), (59, 29060), (61, 29066), (63, 29123), (65, 29165), (69, 29195),

Gene: PhatBacter_28 Start: 27546, Stop: 28508, Start Num: 2

Candidate Starts for PhatBacter_28:

(Start: 2 @27546 has 139 MA's), (8, 27609), (9, 27624), (10, 27663), (15, 27729), (25, 27891), (26, 27894), (30, 27993), (34, 28023), (38, 28062), (39, 28071), (52, 28242), (59, 28308), (61, 28314), (63, 28371), (65, 28413), (69, 28443),

Gene: Phaux_27 Start: 27544, Stop: 28506, Start Num: 2

Candidate Starts for Phaux_27:

(Start: 2 @27544 has 139 MA's), (8, 27607), (9, 27622), (10, 27661), (15, 27727), (25, 27889), (26, 27892), (30, 27991), (34, 28021), (38, 28060), (39, 28069), (52, 28240), (59, 28306), (61, 28312), (63, 28369), (65, 28411), (69, 28441),

Gene: Phrux_28 Start: 27259, Stop: 28221, Start Num: 2

Candidate Starts for Phrux_28:

(Start: 2 @27259 has 139 MA's), (8, 27322), (9, 27337), (10, 27376), (15, 27442), (25, 27604), (26, 27607), (30, 27706), (34, 27736), (38, 27775), (39, 27784), (52, 27955), (59, 28021), (61, 28027), (63, 28084), (65, 28126), (69, 28156),

Gene: Policronamos_28 Start: 27552, Stop: 28496, Start Num: 2

Candidate Starts for Policronamos_28:

(Start: 2 @27552 has 139 MA's), (4, 27570), (8, 27615), (18, 27795), (20, 27828), (23, 27867), (25, 27897), (26, 27900), (27, 27909), (30, 28002), (31, 28008), (38, 28071), (41, 28128), (43, 28170), (46, 28197), (59, 28311), (65, 28413),

Gene: Pollywog_23 Start: 23922, Stop: 24869, Start Num: 3

Candidate Starts for Pollywog_23:

(1, 23892), (Start: 2 @23919 has 139 MA's), (Start: 3 @23922 has 29 MA's), (6, 23970), (7, 23976), (10, 24036), (13, 24066), (20, 24195), (21, 24198), (30, 24363), (31, 24369), (32, 24372), (38, 24432), (49, 24600), (55, 24651), (61, 24681),

Gene: Porcelain_37 Start: 32901, Stop: 33851, Start Num: 2

Candidate Starts for Porcelain_37:

(Start: 2 @32901 has 139 MA's), (Start: 3 @32904 has 29 MA's), (4, 32919), (6, 32952), (7, 32958), (13, 33048), (16, 33108), (17, 33111), (20, 33177), (21, 33180), (30, 33345), (38, 33414), (49, 33582), (55, 33633), (61, 33663), (62, 33693),

Gene: Porky_28 Start: 27355, Stop: 28317, Start Num: 2

Candidate Starts for Porky_28:

(Start: 2 @27355 has 139 MA's), (8, 27418), (9, 27433), (10, 27472), (15, 27538), (25, 27700), (26, 27703), (30, 27802), (34, 27832), (38, 27871), (39, 27880), (52, 28051), (59, 28117), (61, 28123), (63, 28180), (65, 28222), (69, 28252),

Gene: Pumpkin_30 Start: 27598, Stop: 28557, Start Num: 2

Candidate Starts for Pumpkin_30:

(Start: 2 @27598 has 139 MA's), (8, 27661), (9, 27676), (10, 27715), (15, 27781), (28, 27961), (30, 28045), (32, 28054), (33, 28057), (35, 28084), (38, 28114), (52, 28294), (61, 28366), (63, 28423), (65, 28465), (67, 28480),

Gene: Quallification_29 Start: 27724, Stop: 28686, Start Num: 2

Candidate Starts for Quallification_29:

(Start: 2 @27724 has 139 MA's), (8, 27787), (9, 27802), (10, 27841), (15, 27907), (25, 28069), (26, 28072), (30, 28171), (34, 28201), (38, 28240), (39, 28249), (52, 28420), (59, 28486), (61, 28492), (63, 28549), (65, 28591), (69, 28621),

Gene: Rakim_29 Start: 27631, Stop: 28575, Start Num: 2

Candidate Starts for Rakim_29:

(Start: 2 @27631 has 139 MA's), (4, 27649), (5, 27679), (8, 27694), (18, 27874), (20, 27907), (23, 27946), (25, 27976), (26, 27979), (27, 27988), (29, 28024), (30, 28081), (31, 28087), (38, 28150), (41,

28207), (43, 28249), (54, 28351), (59, 28390), (70, 28525),

Gene: Renaud18_22 Start: 23129, Stop: 24079, Start Num: 2

Candidate Starts for Renaud18_22:

(1, 23102), (Start: 2 @23129 has 139 MA's), (Start: 3 @23132 has 29 MA's), (4, 23147), (6, 23180), (13, 23276), (22, 23417), (24, 23444), (38, 23639), (57, 23879), (58, 23882), (60, 23888), (61, 23891), (62, 23921),

Gene: Rimmer_27 Start: 27084, Stop: 28046, Start Num: 2

Candidate Starts for Rimmer_27:

(Start: 2 @27084 has 139 MA's), (8, 27147), (9, 27162), (10, 27201), (15, 27267), (25, 27429), (26, 27432), (30, 27531), (34, 27561), (38, 27600), (39, 27609), (52, 27780), (59, 27846), (61, 27852), (63, 27909), (65, 27951), (69, 27981),

Gene: RiverMonster_28 Start: 27273, Stop: 28235, Start Num: 2

Candidate Starts for RiverMonster_28:

(Start: 2 @27273 has 139 MA's), (8, 27336), (9, 27351), (10, 27390), (15, 27456), (25, 27618), (26, 27621), (30, 27720), (34, 27750), (38, 27789), (39, 27798), (52, 27969), (59, 28035), (61, 28041), (63, 28098), (65, 28140), (69, 28170),

Gene: Saints25_29 Start: 27176, Stop: 28138, Start Num: 2

Candidate Starts for Saints25_29:

(Start: 2 @27176 has 139 MA's), (8, 27239), (9, 27254), (10, 27293), (15, 27359), (25, 27521), (26, 27524), (30, 27623), (34, 27653), (38, 27692), (39, 27701), (52, 27872), (59, 27938), (61, 27944), (63, 28001), (65, 28043), (69, 28073),

Gene: Sassay_27 Start: 27022, Stop: 27984, Start Num: 2

Candidate Starts for Sassay_27:

(Start: 2 @27022 has 139 MA's), (8, 27085), (9, 27100), (10, 27139), (15, 27205), (25, 27367), (26, 27370), (30, 27469), (34, 27499), (38, 27538), (39, 27547), (52, 27718), (59, 27784), (61, 27790), (63, 27847), (65, 27889), (69, 27919),

Gene: Shaboozey_32 Start: 31246, Stop: 32181, Start Num: 3

Candidate Starts for Shaboozey_32:

(1, 31216), (Start: 2 @31243 has 139 MA's), (Start: 3 @31246 has 29 MA's), (4, 31261), (5, 31291), (6, 31294), (7, 31300), (30, 31687), (31, 31693), (38, 31756), (41, 31813), (43, 31855), (46, 31882), (59, 31996), (65, 32098),

Gene: ShamWow_28 Start: 27524, Stop: 28468, Start Num: 2

Candidate Starts for ShamWow_28:

(Start: 2 @27524 has 139 MA's), (4, 27542), (8, 27587), (18, 27767), (20, 27800), (23, 27839), (25, 27869), (26, 27872), (27, 27881), (30, 27974), (31, 27980), (38, 28043), (41, 28100), (43, 28142), (46, 28169), (59, 28283), (65, 28385),

Gene: Shauna1_20 Start: 22761, Stop: 23711, Start Num: 2

Candidate Starts for Shauna1_20:

(Start: 2 @22761 has 139 MA's), (Start: 3 @22764 has 29 MA's), (4, 22779), (5, 22809), (6, 22812), (7, 22818), (38, 23271), (71, 23670),

Gene: ShereKhan_30 Start: 28501, Stop: 29463, Start Num: 2

Candidate Starts for ShereKhan_30:

(Start: 2 @28501 has 139 MA's), (8, 28564), (9, 28579), (10, 28618), (15, 28684), (25, 28846), (26, 28849), (30, 28948), (34, 28978), (38, 29017), (39, 29026), (52, 29197), (59, 29263), (61, 29269), (63,

29326), (65, 29368), (69, 29398),

Gene: ShroomBoi_20 Start: 22746, Stop: 23684, Start Num: 2

Candidate Starts for ShroomBoi_20:

(1, 22719), (Start: 2 @22746 has 139 MA's), (Start: 3 @22749 has 29 MA's), (4, 22764), (6, 22797), (7, 22803), (30, 23190), (31, 23196), (38, 23259), (41, 23316), (43, 23358), (59, 23499), (65, 23601),

Gene: Simpliphy_29 Start: 27263, Stop: 28225, Start Num: 2

Candidate Starts for Simpliphy_29:

(Start: 2 @27263 has 139 MA's), (8, 27326), (9, 27341), (10, 27380), (15, 27446), (25, 27608), (26, 27611), (30, 27710), (34, 27740), (38, 27779), (39, 27788), (52, 27959), (59, 28025), (61, 28031), (63, 28088), (65, 28130), (69, 28160),

Gene: SirDuracell_27 Start: 26190, Stop: 27134, Start Num: 2

Candidate Starts for SirDuracell_27:

(Start: 2 @26190 has 139 MA's), (4, 26208), (8, 26253), (18, 26433), (20, 26466), (23, 26505), (25, 26535), (26, 26538), (27, 26547), (30, 26640), (31, 26646), (38, 26709), (41, 26766), (43, 26808), (46, 26835), (59, 26949), (65, 27051),

Gene: SophKB_28 Start: 27517, Stop: 28479, Start Num: 2

Candidate Starts for SophKB_28:

(Start: 2 @27517 has 139 MA's), (8, 27580), (9, 27595), (10, 27634), (15, 27700), (25, 27862), (26, 27865), (30, 27964), (34, 27994), (38, 28033), (39, 28042), (52, 28213), (59, 28279), (61, 28285), (63, 28342), (65, 28384), (69, 28414),

Gene: Sotrice96_28 Start: 27479, Stop: 28423, Start Num: 2

Candidate Starts for Sotrice96_28:

(Start: 2 @27479 has 139 MA's), (4, 27497), (8, 27542), (18, 27722), (20, 27755), (23, 27794), (25, 27824), (26, 27827), (27, 27836), (30, 27929), (31, 27935), (38, 27998), (41, 28055), (43, 28097), (46, 28124), (59, 28238), (65, 28340),

Gene: Soul22_26 Start: 22459, Stop: 23406, Start Num: 3

Candidate Starts for Soul22_26:

(1, 22429), (Start: 2 @22456 has 139 MA's), (Start: 3 @22459 has 29 MA's), (4, 22474), (6, 22507), (24, 22771), (29, 22843), (30, 22897), (32, 22906), (38, 22966), (39, 22975), (53, 23170), (57, 23206), (58, 23209), (60, 23215), (61, 23218), (66, 23320),

Gene: Squint_37 Start: 33021, Stop: 33968, Start Num: 3

Candidate Starts for Squint_37:

(Start: 2 @33018 has 139 MA's), (Start: 3 @33021 has 29 MA's), (4, 33036), (6, 33069), (7, 33075), (13, 33165), (16, 33225), (17, 33228), (20, 33294), (21, 33297), (30, 33462), (38, 33531), (49, 33699), (55, 33750), (61, 33780), (62, 33810),

Gene: Stank_31 Start: 28024, Stop: 28986, Start Num: 2

Candidate Starts for Stank_31:

(Start: 2 @28024 has 139 MA's), (8, 28087), (9, 28102), (10, 28141), (15, 28207), (25, 28369), (26, 28372), (30, 28471), (34, 28501), (38, 28540), (39, 28549), (52, 28720), (59, 28786), (61, 28792), (63, 28849), (65, 28891), (69, 28921),

Gene: Stark_29 Start: 27276, Stop: 28238, Start Num: 2

Candidate Starts for Stark_29:

(Start: 2 @27276 has 139 MA's), (8, 27339), (9, 27354), (10, 27393), (15, 27459), (25, 27621), (26, 27624), (30, 27723), (34, 27753), (38, 27792), (39, 27801), (52, 27972), (59, 28038), (61, 28044), (63,

28101), (65, 28143), (69, 28173),

Gene: StellaBean_28 Start: 27517, Stop: 28479, Start Num: 2

Candidate Starts for StellaBean_28:

(Start: 2 @27517 has 139 MA's), (8, 27580), (9, 27595), (10, 27634), (15, 27700), (25, 27862), (26, 27865), (30, 27964), (34, 27994), (38, 28033), (39, 28042), (52, 28213), (59, 28279), (61, 28285), (63, 28342), (65, 28384), (69, 28414),

Gene: StolenFromERC_30 Start: 27508, Stop: 28470, Start Num: 2

Candidate Starts for StolenFromERC_30:

(Start: 2 @27508 has 139 MA's), (8, 27571), (9, 27586), (10, 27625), (15, 27691), (25, 27853), (26, 27856), (30, 27955), (34, 27985), (38, 28024), (39, 28033), (52, 28204), (59, 28270), (61, 28276), (63, 28333), (65, 28375), (69, 28405),

Gene: StormChicken_28 Start: 27692, Stop: 28654, Start Num: 2

Candidate Starts for StormChicken_28:

(Start: 2 @27692 has 139 MA's), (8, 27755), (9, 27770), (10, 27809), (15, 27875), (25, 28037), (26, 28040), (30, 28139), (34, 28169), (38, 28208), (39, 28217), (52, 28388), (59, 28454), (61, 28460), (63, 28517), (65, 28559), (69, 28589),

Gene: Superphikiman_38 Start: 33086, Stop: 34033, Start Num: 3

Candidate Starts for Superphikiman_38:

(Start: 2 @33083 has 139 MA's), (Start: 3 @33086 has 29 MA's), (4, 33101), (6, 33134), (7, 33140), (13, 33230), (16, 33290), (17, 33293), (20, 33359), (21, 33362), (30, 33527), (38, 33596), (49, 33764), (55, 33815), (61, 33845), (62, 33875),

Gene: TBrady12_30 Start: 27508, Stop: 28470, Start Num: 2

Candidate Starts for TBrady12_30:

(Start: 2 @27508 has 139 MA's), (8, 27571), (9, 27586), (10, 27625), (15, 27691), (25, 27853), (26, 27856), (30, 27955), (34, 27985), (38, 28024), (39, 28033), (52, 28204), (59, 28270), (61, 28276), (63, 28333), (65, 28375), (69, 28405),

Gene: TChen_20 Start: 23237, Stop: 24184, Start Num: 3

Candidate Starts for TChen_20:

(1, 23207), (Start: 2 @23234 has 139 MA's), (Start: 3 @23237 has 29 MA's), (4, 23252), (6, 23285), (13, 23381), (22, 23522), (24, 23549), (38, 23744), (57, 23984), (58, 23987), (60, 23993), (61, 23996), (62, 24026),

Gene: Tarkin_30 Start: 28507, Stop: 29469, Start Num: 2

Candidate Starts for Tarkin_30:

(Start: 2 @28507 has 139 MA's), (8, 28570), (9, 28585), (10, 28624), (15, 28690), (25, 28852), (26, 28855), (30, 28954), (34, 28984), (38, 29023), (39, 29032), (52, 29203), (59, 29269), (61, 29275), (63, 29332), (65, 29374), (69, 29404),

Gene: TeamEdward_28 Start: 27689, Stop: 28651, Start Num: 2

Candidate Starts for TeamEdward_28:

(Start: 2 @27689 has 139 MA's), (8, 27752), (9, 27767), (10, 27806), (15, 27872), (25, 28034), (26, 28037), (30, 28136), (34, 28166), (38, 28205), (39, 28214), (52, 28385), (59, 28451), (61, 28457), (63, 28514), (65, 28556), (69, 28586),

Gene: TeardropMSU_27 Start: 27425, Stop: 28369, Start Num: 2

Candidate Starts for TeardropMSU_27:

(Start: 2 @27425 has 139 MA's), (4, 27443), (5, 27473), (8, 27488), (18, 27668), (20, 27701), (23, 27740), (25, 27770), (26, 27773), (27, 27782), (29, 27818), (30, 27875), (31, 27881), (38, 27944), (41, 28001), (43, 28043), (54, 28145), (59, 28184), (70, 28319),

Gene: Teaspoon_29 Start: 27471, Stop: 28433, Start Num: 2

Candidate Starts for Teaspoon_29:

(Start: 2 @27471 has 139 MA's), (8, 27534), (9, 27549), (10, 27588), (15, 27654), (25, 27816), (26, 27819), (30, 27918), (34, 27948), (38, 27987), (39, 27996), (52, 28167), (59, 28233), (61, 28239), (63, 28296), (65, 28338), (69, 28368),

Gene: Terminus_28 Start: 27605, Stop: 28567, Start Num: 2

Candidate Starts for Terminus_28:

(Start: 2 @27605 has 139 MA's), (8, 27668), (9, 27683), (10, 27722), (15, 27788), (25, 27950), (26, 27953), (30, 28052), (34, 28082), (38, 28121), (39, 28130), (52, 28301), (59, 28367), (61, 28373), (63, 28430), (65, 28472), (69, 28502),

Gene: ThetaBob_22 Start: 23050, Stop: 23997, Start Num: 3

Candidate Starts for ThetaBob_22:

(1, 23020), (Start: 2 @23047 has 139 MA's), (Start: 3 @23050 has 29 MA's), (4, 23065), (6, 23098), (13, 23194), (22, 23335), (24, 23362), (38, 23557), (57, 23797), (58, 23800), (60, 23806), (61, 23809), (62, 23839),

Gene: Thimble_28 Start: 26468, Stop: 27430, Start Num: 2

Candidate Starts for Thimble_28:

(Start: 2 @26468 has 139 MA's), (8, 26531), (9, 26546), (10, 26585), (15, 26651), (25, 26813), (26, 26816), (30, 26915), (34, 26945), (38, 26984), (39, 26993), (52, 27164), (59, 27230), (61, 27236), (63, 27293), (65, 27335), (69, 27365),

Gene: Thresher_29 Start: 28272, Stop: 29234, Start Num: 2

Candidate Starts for Thresher_29:

(Start: 2 @28272 has 139 MA's), (8, 28335), (9, 28350), (10, 28389), (15, 28455), (25, 28617), (26, 28620), (30, 28719), (34, 28749), (38, 28788), (39, 28797), (52, 28968), (59, 29034), (61, 29040), (63, 29097), (65, 29139), (69, 29169),

Gene: Tomaszewski_27 Start: 27115, Stop: 28077, Start Num: 2

Candidate Starts for Tomaszewski_27:

(Start: 2 @27115 has 139 MA's), (8, 27178), (9, 27193), (10, 27232), (15, 27298), (25, 27460), (26, 27463), (30, 27562), (34, 27592), (38, 27631), (39, 27640), (52, 27811), (59, 27877), (61, 27883), (63, 27940), (65, 27982), (69, 28012),

Gene: Toto_28 Start: 27524, Stop: 28468, Start Num: 2

Candidate Starts for Toto_28:

(Start: 2 @27524 has 139 MA's), (4, 27542), (8, 27587), (18, 27767), (20, 27800), (23, 27839), (25, 27869), (26, 27872), (27, 27881), (30, 27974), (31, 27980), (38, 28043), (41, 28100), (43, 28142), (46, 28169), (59, 28283), (65, 28385),

Gene: Traaww1_26 Start: 27163, Stop: 28107, Start Num: 2

Candidate Starts for Traaww1_26:

(Start: 2 @27163 has 139 MA's), (4, 27181), (5, 27211), (8, 27226), (18, 27406), (20, 27439), (23, 27478), (25, 27508), (26, 27511), (27, 27520), (29, 27556), (30, 27613), (31, 27619), (38, 27682), (41, 27739), (43, 27781), (54, 27883), (59, 27922), (70, 28057),

Gene: Tuco_29 Start: 28033, Stop: 28977, Start Num: 2

Candidate Starts for Tuco_29:

(Start: 2 @28033 has 139 MA's), (4, 28051), (5, 28081), (8, 28096), (18, 28276), (20, 28309), (23, 28348), (25, 28378), (26, 28381), (27, 28390), (29, 28426), (30, 28483), (31, 28489), (38, 28552), (41, 28609), (43, 28651), (54, 28753), (59, 28792), (70, 28927),

Gene: Ukulele_28 Start: 27276, Stop: 28238, Start Num: 2

Candidate Starts for Ukulele_28:

(Start: 2 @27276 has 139 MA's), (8, 27339), (9, 27354), (10, 27393), (15, 27459), (25, 27621), (26, 27624), (30, 27723), (34, 27753), (38, 27792), (39, 27801), (52, 27972), (59, 28038), (61, 28044), (63, 28101), (65, 28143), (69, 28173),

Gene: Wiggin_31 Start: 28022, Stop: 28984, Start Num: 2

Candidate Starts for Wiggin_31:

(Start: 2 @28022 has 139 MA's), (8, 28085), (9, 28100), (10, 28139), (15, 28205), (25, 28367), (26, 28370), (30, 28469), (34, 28499), (38, 28538), (39, 28547), (52, 28718), (59, 28784), (61, 28790), (63, 28847), (65, 28889), (69, 28919),

Gene: Willez_27 Start: 27022, Stop: 27984, Start Num: 2

Candidate Starts for Willez_27:

(Start: 2 @27022 has 139 MA's), (8, 27085), (9, 27100), (10, 27139), (15, 27205), (25, 27367), (26, 27370), (30, 27469), (34, 27499), (38, 27538), (39, 27547), (52, 27718), (59, 27784), (61, 27790), (63, 27847), (65, 27889), (69, 27919),

Gene: Xandras_30 Start: 27508, Stop: 28470, Start Num: 2

Candidate Starts for Xandras_30:

(Start: 2 @27508 has 139 MA's), (8, 27571), (9, 27586), (10, 27625), (15, 27691), (25, 27853), (26, 27856), (30, 27955), (34, 27985), (38, 28024), (39, 28033), (52, 28204), (59, 28270), (61, 28276), (63, 28333), (65, 28375), (69, 28405),

Gene: YassJohnny_29 Start: 28033, Stop: 28995, Start Num: 2

Candidate Starts for YassJohnny_29:

(Start: 2 @28033 has 139 MA's), (8, 28096), (9, 28111), (10, 28150), (15, 28216), (25, 28378), (26, 28381), (30, 28480), (34, 28510), (38, 28549), (39, 28558), (52, 28729), (59, 28795), (61, 28801), (63, 28858), (65, 28900), (69, 28930),

Gene: Yoshi_26 Start: 22460, Stop: 23407, Start Num: 3

Candidate Starts for Yoshi_26:

(1, 22430), (Start: 2 @22457 has 139 MA's), (Start: 3 @22460 has 29 MA's), (4, 22475), (6, 22508), (13, 22604), (22, 22745), (24, 22772), (38, 22967), (57, 23207), (58, 23210), (60, 23216), (61, 23219), (62, 23249),

Gene: Youngblood_28 Start: 27686, Stop: 28630, Start Num: 2

Candidate Starts for Youngblood_28:

(Start: 2 @27686 has 139 MA's), (8, 27749), (9, 27764), (10, 27803), (15, 27869), (25, 28031), (26, 28034), (27, 28043), (30, 28136), (31, 28142), (38, 28205), (41, 28262), (42, 28271), (43, 28304), (59, 28445), (64, 28544), (65, 28547), (70, 28580),

Gene: Zapner_27 Start: 23156, Stop: 24100, Start Num: 3

Candidate Starts for Zapner_27:

(Start: 2 @23153 has 139 MA's), (Start: 3 @23156 has 29 MA's), (4, 23171), (5, 23201), (6, 23204), (7, 23210), (36, 23645), (38, 23666), (45, 23789), (48, 23825), (52, 23846), (56, 23891), (59, 23909), (63, 23972), (67, 24026), (70, 24044),

Gene: xkcd_29 Start: 27687, Stop: 28649, Start Num: 2

Candidate Starts for xkcd_29:

(Start: 2 @27687 has 139 MA's), (8, 27750), (9, 27765), (10, 27804), (15, 27870), (25, 28032), (26, 28035), (30, 28134), (34, 28164), (38, 28203), (39, 28212), (52, 28383), (59, 28449), (61, 28455), (63, 28512), (65, 28554), (69, 28584),