Pham 289165

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 289165 Report

This analysis was run 03/28/26 on database version 641.

Pham number 289165 has 144 members, 16 are drafts.

Phages represented in each track:
• Track 1 : Glexan_100
• Track 2 : Greep_105, Misfit_102, Becksu_99, Manda_102, xkcd_104, Paperbeatsrock_100, Icee_102, Command613_103, FoghornLeghorn_94, Myrale_101
• Track 3 : Bruin_98, Miniwave_96, Murica_104, Mosby_97, YassJohnny_98, Sassay_96, MPhalcon_102, Youngblood_104, Terminus_104, Contagion_97, MISSy_102, Willez_96
• Track 4 : Lilizi_102, Stark_102, Bench_104, ChosenOne_101, Thresher_103, Lilac_103, OrionPax_100, AmericanBeauty_105, Elph10_101, Filch_103
• Track 5 : JeTaime_100, Moldemort_104, Ukulele_96, HanKaySha_102, Highbury_98, Amao_101, ShereKhan_99, Mindy_100, ChotaBhai_101, Quallification_102, Cookies_98, DoctorDiddles_100, Maxxinista_103, PaddyBaddy_101, Cactus_105, Inca_98, FairyPath_101, Sotrice96_102, Goldilocks_104, StellaBean_100, BadStone_98, Czyszczon1_102, Asriel_99, Saints25_98, Xandras_100, MadamMonkfish_101, Palpatine_102, Kimchi_105, Simpliphy_100, Traaww1_97
• Track 6 : Lilpickle_100, Murphy_101, BigBubba_101, Dumbo_101, BugsBunny_100, Phrux_98
• Track 7 : Petra64142_105, Emmina_101, Buck_102, Stank_103, CrystalP_100, NelitzaMV_98, Wiggin_103, Easy2Say_101, Gemini_106, TeamEdward_101, Argent26_105, TBrady12_104, Thimble_103, BilboSwaggins_99, Holt_106, Toto_99, GooberAzure_104, Rakim_102
• Track 8 : Hopey_102, Cjw1_102, Elite2014_100, 244_102
• Track 9 : DrDrey_101, Nala_103, Pat3_98, Pharsalus_98, Dusk_98, SirDuracell_101, Bask21_101, Tarkin_100, PhatBacter_104, Kostya_101, Barbarian_100, FireRed_104, ABCat_98, Tuco_102, Kanye_98, HufflyPuff_103, Goku_100, NonchalantPear_99, Eureka_100, Ptowny_97, Flypotenuse_97
• Track 10 : ShamWow_101, StormChicken_102, Adnama_105, Henry_98
• Track 11 : RiverMonster_101, Nimrod_101, Gator_99, Tomaszewski_96, Balomoji_101
• Track 12 : IHOP_99
• Track 13 : Teaspoon_102, BaboJay_101, Porky_100
• Track 14 : StolenFromERC_103, Gage_103
• Track 15 : Marshmallow_98
• Track 16 : Harella_101, Rimmer_99, Brewer_95, MollyToe_95
• Track 17 : Phaux_103
• Track 18 : GoldenSpark_105, Policronamos_103, Daikon_101

• Track 19 : Hoonter_104
• Track 20 : SophKB_99
• Track 21 : Budgie_110
• Track 22 : Phaja_99
• Track 23 : TeardropMSU_97
• Track 24 : Pumpkin_103
• Track 25 : Bogg_101
• Track 26 : NoSleep_102

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

The start number called the most often in the published annotations is 9, it was called in 70 of the 128 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Amao_101, AmericanBeauty_105, Argent26_105, Asriel_99, BaboJay_101, BadStone_98, Becksu_99, Bench_104, BilboSwaggins_99, Bogg_101, Brewer_95, Buck_102, Cactus_105, ChosenOne_101, ChotaBhai_101, Command613_103, Cookies_98, CrystalP_100, Czyszczon1_102, DoctorDiddles_100, Easy2Say_101, Elph10_101, Emmina_101, FairyPath_101, Filch_103, FoghornLeghorn_94, Gage_103, Gemini_106, Goldilocks_104, GooberAzure_104, Greep_105, HanKaySha_102, Harella_101, Highbury_98, Holt_106, Hoonter_104, Icee_102, Inca_98, JeTaime_100, Kimchi_105, Lilac_103, Lilizi_102, MadamMonkfish_101, Manda_102, Maxxinista_103, Mindy_100, Misfit_102, Moldemort_104, MollyToe_95, Myrale_101, NelitzaMV_98, NoSleep_102, OrionPax_100, PaddyBaddy_101, Palpatine_102, Paperbeatsrock_100, Petra64142_105, Porky_100, Quallification_102, Rakim_102, Rimmer_99, Saints25_98, ShereKhan_99, Simpliphy_100, Sotrice96_102, Stank_103, Stark_102, StellaBean_100, StolenFromERC_103, TBrady12_104, TeamEdward_101, Teaspoon_102, Thimble_103, Thresher_103, Toto_99, Traaww1_97, Ukulele_96, Wiggin_103, Xandras_100, xkcd_104,

Genes that have the "Most Annotated" start but do not call it:
• 244_102, ABCat_98, Adnama_105, Balomoji_101, Barbarian_100, Bask21_101, BigBubba_101, Bruin_98, Budgie_110, BugsBunny_100, Cjw1_102, Contagion_97, Daikon_101, DrDrey_101, Dumbo_101, Dusk_98, Elite2014_100, Eureka_100, FireRed_104, Flypotenuse_97, Gator_99, Glexan_100, Goku_100, GoldenSpark_105, Henry_98, Hopey_102, HufflyPuff_103, IHOP_99, Kanye_98, Kostya_101, Lilpickle_100, MISSy_102, MPhalcon_102, Marshmallow_98, Miniwave_96, Mosby_97, Murica_104, Murphy_101, Nala_103, Nimrod_101, NonchalantPear_99, Pat3_98, Phaja_99, Pharsalus_98, PhatBacter_104, Phaux_103, Phrux_98, Policronamos_103, Ptowny_97, Pumpkin_103, RiverMonster_101, Sassay_96, ShamWow_101, SirDuracell_101, SophKB_99, StormChicken_102, Tarkin_100, TeardropMSU_97, Terminus_104, Tomaszewski_96, Tuco_102, Willez_96, YassJohnny_98, Youngblood_104,

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

Summary by start number:

Start 4:
• Found in 117 of 144 (81.2%) of genes in pham
• Manual Annotations of this start: 6 of 128
• Called 5.1% of time when present
• Phage (with cluster) where this start called: Balomoji_101 (E), Gator_99 (E), Marshmallow_98 (E), Nimrod_101 (E), RiverMonster_101 (E), Tomaszewski_96 (E),

Start 7:
• Found in 144 of 144 (100.0%) of genes in pham
• Manual Annotations of this start: 8 of 128
• Called 5.6% of time when present
• Phage (with cluster) where this start called: 244_102 (E), Cjw1_102 (E), Elite2014_100 (E), Glexan_100 (E), Hopey_102 (E), Phaux_103 (E), Pumpkin_103 (E), TeardropMSU_97 (E),

Start 8:
• Found in 144 of 144 (100.0%) of genes in pham
• Manual Annotations of this start: 40 of 128
• Called 31.2% of time when present
• Phage (with cluster) where this start called: ABCat_98 (E), Adnama_105 (E), Barbarian_100 (E), Bask21_101 (E), BigBubba_101 (E), Bruin_98 (E), Budgie_110 (E), BugsBunny_100 (E), Contagion_97 (E), DrDrey_101 (E), Dumbo_101 (E), Dusk_98 (E), Eureka_100 (E), FireRed_104 (E), Flypotenuse_97 (E), Goku_100 (E), Henry_98 (E), HufflyPuff_103 (E), Kanye_98 (E), Kostya_101 (E), Lilpickle_100 (E), MISSy_102 (E), MPhalcon_102 (E), Miniwave_96 (E), Mosby_97 (E), Murica_104 (E), Murphy_101 (E), Nala_103 (E), NonchalantPear_99 (E), Pat3_98 (E), Pharsalus_98 (E), PhatBacter_104 (E), Phrux_98 (E), Ptowny_97 (E), Sassay_96 (E), ShamWow_101 (E), SirDuracell_101 (E), SophKB_99 (E), StormChicken_102 (E), Tarkin_100 (E), Terminus_104 (E), Tuco_102 (E), Willez_96 (E), YassJohnny_98 (E), Youngblood_104 (E),

Start 9:
• Found in 144 of 144 (100.0%) of genes in pham
• Manual Annotations of this start: 70 of 128
• Called 55.6% of time when present
• Phage (with cluster) where this start called: Amao_101 (E), AmericanBeauty_105 (E), Argent26_105 (E), Asriel_99 (E), BaboJay_101 (E), BadStone_98 (E), Becksu_99 (E), Bench_104 (E), BilboSwaggins_99 (E), Bogg_101 (E), Brewer_95 (E), Buck_102 (E), Cactus_105 (E), ChosenOne_101 (E), ChotaBhai_101 (E), Command613_103 (E), Cookies_98 (E), CrystalP_100 (E), Czyszczon1_102 (E), DoctorDiddles_100 (E), Easy2Say_101 (E), Elph10_101 (E), Emmina_101 (E), FairyPath_101 (E), Filch_103 (E), FoghornLeghorn_94 (E), Gage_103 (E), Gemini_106 (E), Goldilocks_104 (E), GooberAzure_104 (E), Greep_105 (E), HanKaySha_102 (E), Harella_101 (E), Highbury_98 (E), Holt_106 (E), Hoonter_104 (E), Icee_102 (E), Inca_98 (E), JeTaime_100 (E), Kimchi_105 (E), Lilac_103 (E), Lilizi_102 (E), MadamMonkfish_101 (E), Manda_102 (E), Maxxinista_103 (E), Mindy_100 (E), Misfit_102 (E), Moldemort_104 (E), MollyToe_95 (E), Myrale_101 (E), NelitzaMV_98 (E), NoSleep_102 (E), OrionPax_100 (E), PaddyBaddy_101 (E), Palpatine_102 (E), Paperbeatsrock_100 (E), Petra64142_105 (E), Porky_100 (E), Quallification_102 (E), Rakim_102 (E), Rimmer_99 (E), Saints25_98 (E), ShereKhan_99 (E), Simpliphy_100 (E), Sotrice96_102 (E), Stank_103 (E), Stark_102 (E), StellaBean_100 (E), StolenFromERC_103 (E), TBrady12_104 (E),

TeamEdward_101 (E), Teaspoon_102 (E), Thimble_103 (E), Thresher_103 (E), Toto_99 (E), Traaww1_97 (E), Ukulele_96 (E), Wiggin_103 (E), Xandras_100 (E), xkcd_104 (E),

Start 10:
• Found in 144 of 144 (100.0%) of genes in pham
• Manual Annotations of this start: 4 of 128
• Called 3.5% of time when present
• Phage (with cluster) where this start called: Daikon_101 (E), GoldenSpark_105 (E), IHOP_99 (E), Phaja_99 (E), Policronamos_103 (E),

Summary by clusters:

There is one cluster represented in this pham: E

Info for manual annotations of cluster E:
•Start number 4 was manually annotated 6 times for cluster E.
•Start number 7 was manually annotated 8 times for cluster E.
•Start number 8 was manually annotated 40 times for cluster E.
•Start number 9 was manually annotated 70 times for cluster E.
•Start number 10 was manually annotated 4 times for cluster E.

Gene Information:
Gene: 244_102 Start: 59715, Stop: 60575, Start Num: 7
Candidate Starts for 244_102:
(Start: 7 @59715 has 8 MA's), (Start: 8 @59769 has 40 MA's), (Start: 9 @59796 has 70 MA's), (Start: 10 @59814 has 4 MA's), (12, 59898), (13, 60066), (14, 60081), (15, 60102), (17, 60138), (19, 60150), (20, 60183), (21, 60267), (22, 60273), (23, 60282), (24, 60294), (25, 60318), (26, 60354), (27, 60408), (28, 60411), (30, 60525), (31, 60558),

Gene: ABCat_98 Start: 60753, Stop: 61559, Start Num: 8
Candidate Starts for ABCat_98:
(Start: 4 @60645 has 6 MA's), (Start: 7 @60699 has 8 MA's), (Start: 8 @60753 has 40 MA's), (Start: 9 @60780 has 70 MA's), (Start: 10 @60798 has 4 MA's), (12, 60882), (13, 61050), (14, 61065), (15, 61086), (17, 61122), (19, 61134), (20, 61167), (21, 61251), (22, 61257), (23, 61266), (24, 61278), (25, 61302), (26, 61338), (27, 61392), (28, 61395), (30, 61509), (31, 61542),

Gene: Adnama_105 Start: 60063, Stop: 60869, Start Num: 8
Candidate Starts for Adnama_105:
(3, 59877), (Start: 4 @59955 has 6 MA's), (Start: 7 @60009 has 8 MA's), (Start: 8 @60063 has 40 MA's), (Start: 9 @60090 has 70 MA's), (Start: 10 @60108 has 4 MA's), (12, 60192), (13, 60360), (14, 60375), (17, 60432), (19, 60444), (20, 60477), (21, 60561), (22, 60567), (23, 60576), (24, 60588), (25, 60612), (26, 60648), (27, 60702), (28, 60705), (30, 60819), (31, 60852),

Gene: Amao_101 Start: 60204, Stop: 60983, Start Num: 9
Candidate Starts for Amao_101:
(Start: 4 @60069 has 6 MA's), (Start: 7 @60123 has 8 MA's), (Start: 8 @60177 has 40 MA's), (Start: 9 @60204 has 70 MA's), (Start: 10 @60222 has 4 MA's), (12, 60306), (13, 60474), (14, 60489), (15, 60510), (17, 60546), (19, 60558), (20, 60591), (21, 60675), (22, 60681), (23, 60690), (24, 60702), (25, 60726), (26, 60762), (27, 60816), (28, 60819), (30, 60933), (31, 60966),

Gene: AmericanBeauty_105 Start: 60331, Stop: 61110, Start Num: 9
Candidate Starts for AmericanBeauty_105:
(Start: 7 @60250 has 8 MA's), (Start: 8 @60304 has 40 MA's), (Start: 9 @60331 has 70 MA's), (Start: 10 @60349 has 4 MA's), (12, 60433), (13, 60601), (14, 60616), (15, 60637), (17, 60673), (19, 60685), (20, 60718), (21, 60802), (22, 60808), (23, 60817), (24, 60829), (25, 60853), (26, 60889), (27, 60943), (28, 60946), (30, 61060), (31, 61093),

Gene: Argent26_105 Start: 60014, Stop: 60793, Start Num: 9
Candidate Starts for Argent26_105:
(3, 59801), (Start: 4 @59879 has 6 MA's), (Start: 7 @59933 has 8 MA's), (Start: 8 @59987 has 40 MA's), (Start: 9 @60014 has 70 MA's), (Start: 10 @60032 has 4 MA's), (12, 60116), (13, 60284), (14, 60299), (17, 60356), (19, 60368), (20, 60401), (21, 60485), (22, 60491), (23, 60500), (24, 60512), (25, 60536), (26, 60572), (27, 60626), (28, 60629), (30, 60743), (31, 60776),

Gene: Asriel_99 Start: 58427, Stop: 59206, Start Num: 9
Candidate Starts for Asriel_99:
(Start: 4 @58292 has 6 MA's), (Start: 7 @58346 has 8 MA's), (Start: 8 @58400 has 40 MA's), (Start: 9 @58427 has 70 MA's), (Start: 10 @58445 has 4 MA's), (12, 58529), (13, 58697), (14, 58712), (15, 58733), (17, 58769), (19, 58781), (20, 58814), (21, 58898), (22, 58904), (23, 58913), (24, 58925), (25, 58949), (26, 58985), (27, 59039), (28, 59042), (30, 59156), (31, 59189),

Gene: BaboJay_101 Start: 60969, Stop: 61748, Start Num: 9
Candidate Starts for BaboJay_101:
(Start: 7 @60888 has 8 MA's), (Start: 8 @60942 has 40 MA's), (Start: 9 @60969 has 70 MA's), (Start: 10 @60987 has 4 MA's), (12, 61071), (13, 61239), (14, 61254), (15, 61275), (17, 61311), (19, 61323), (20, 61356), (21, 61440), (22, 61446), (23, 61455), (24, 61467), (25, 61491), (26, 61527), (27, 61581), (28, 61584), (31, 61731),

Gene: BadStone_98 Start: 60349, Stop: 61128, Start Num: 9
Candidate Starts for BadStone_98:
(Start: 4 @60214 has 6 MA's), (Start: 7 @60268 has 8 MA's), (Start: 8 @60322 has 40 MA's), (Start: 9 @60349 has 70 MA's), (Start: 10 @60367 has 4 MA's), (12, 60451), (13, 60619), (14, 60634), (15, 60655), (17, 60691), (19, 60703), (20, 60736), (21, 60820), (22, 60826), (23, 60835), (24, 60847), (25, 60871), (26, 60907), (27, 60961), (28, 60964), (30, 61078), (31, 61111),

Gene: Balomoji_101 Start: 60075, Stop: 60989, Start Num: 4
Candidate Starts for Balomoji_101:
(Start: 4 @60075 has 6 MA's), (Start: 7 @60129 has 8 MA's), (Start: 8 @60183 has 40 MA's), (Start: 9 @60210 has 70 MA's), (Start: 10 @60228 has 4 MA's), (12, 60312), (13, 60480), (14, 60495), (15, 60516), (17, 60552), (19, 60564), (20, 60597), (21, 60681), (22, 60687), (23, 60696), (24, 60708), (25, 60732), (26, 60768), (27, 60822), (28, 60825), (30, 60939), (31, 60972),

Gene: Barbarian_100 Start: 58400, Stop: 59206, Start Num: 8
Candidate Starts for Barbarian_100:
(Start: 4 @58292 has 6 MA's), (Start: 7 @58346 has 8 MA's), (Start: 8 @58400 has 40 MA's), (Start: 9 @58427 has 70 MA's), (Start: 10 @58445 has 4 MA's), (12, 58529), (13, 58697), (14, 58712), (15, 58733), (17, 58769), (19, 58781), (20, 58814), (21, 58898), (22, 58904), (23, 58913), (24, 58925), (25, 58949), (26, 58985), (27, 59039), (28, 59042), (30, 59156), (31, 59189),

Gene: Bask21_101 Start: 59039, Stop: 59845, Start Num: 8
Candidate Starts for Bask21_101:

(Start: 4 @58931 has 6 MA's), (Start: 7 @58985 has 8 MA's), (Start: 8 @59039 has 40 MA's), (Start: 9 @59066 has 70 MA's), (Start: 10 @59084 has 4 MA's), (12, 59168), (13, 59336), (14, 59351), (15, 59372), (17, 59408), (19, 59420), (20, 59453), (21, 59537), (22, 59543), (23, 59552), (24, 59564), (25, 59588), (26, 59624), (27, 59678), (28, 59681), (30, 59795), (31, 59828),

Gene: Becksu_99 Start: 60403, Stop: 61182, Start Num: 9
Candidate Starts for Becksu_99:
(3, 60190), (Start: 4 @60268 has 6 MA's), (Start: 7 @60322 has 8 MA's), (Start: 8 @60376 has 40 MA's), (Start: 9 @60403 has 70 MA's), (Start: 10 @60421 has 4 MA's), (12, 60505), (13, 60673), (14, 60688), (15, 60709), (17, 60745), (19, 60757), (20, 60790), (21, 60874), (22, 60880), (23, 60889), (24, 60901), (25, 60925), (26, 60961), (27, 61015), (28, 61018), (30, 61132), (31, 61165),

Gene: Bench_104 Start: 60970, Stop: 61749, Start Num: 9
Candidate Starts for Bench_104:
(Start: 7 @60889 has 8 MA's), (Start: 8 @60943 has 40 MA's), (Start: 9 @60970 has 70 MA's), (Start: 10 @60988 has 4 MA's), (12, 61072), (13, 61240), (14, 61255), (15, 61276), (17, 61312), (19, 61324), (20, 61357), (21, 61441), (22, 61447), (23, 61456), (24, 61468), (25, 61492), (26, 61528), (27, 61582), (28, 61585), (30, 61699), (31, 61732),

Gene: BigBubba_101 Start: 59096, Stop: 59902, Start Num: 8
Candidate Starts for BigBubba_101:
(Start: 7 @59042 has 8 MA's), (Start: 8 @59096 has 40 MA's), (Start: 9 @59123 has 70 MA's), (Start: 10 @59141 has 4 MA's), (12, 59225), (13, 59393), (14, 59408), (15, 59429), (17, 59465), (19, 59477), (20, 59510), (21, 59594), (22, 59600), (23, 59609), (24, 59621), (25, 59645), (26, 59681), (27, 59735), (28, 59738), (30, 59852), (31, 59885),

Gene: BilboSwaggins_99 Start: 60749, Stop: 61528, Start Num: 9
Candidate Starts for BilboSwaggins_99:
(3, 60536), (Start: 4 @60614 has 6 MA's), (Start: 7 @60668 has 8 MA's), (Start: 8 @60722 has 40 MA's), (Start: 9 @60749 has 70 MA's), (Start: 10 @60767 has 4 MA's), (12, 60851), (13, 61019), (14, 61034), (17, 61091), (19, 61103), (20, 61136), (21, 61220), (22, 61226), (23, 61235), (24, 61247), (25, 61271), (26, 61307), (27, 61361), (28, 61364), (30, 61478), (31, 61511),

Gene: Bogg_101 Start: 60290, Stop: 61069, Start Num: 9
Candidate Starts for Bogg_101:
(Start: 7 @60209 has 8 MA's), (Start: 8 @60263 has 40 MA's), (Start: 9 @60290 has 70 MA's), (Start: 10 @60308 has 4 MA's), (12, 60392), (13, 60560), (14, 60575), (17, 60632), (19, 60644), (20, 60677), (21, 60761), (22, 60767), (23, 60776), (24, 60788), (25, 60812), (26, 60848), (27, 60902), (28, 60905), (30, 61019), (31, 61052),

Gene: Brewer_95 Start: 58948, Stop: 59727, Start Num: 9
Candidate Starts for Brewer_95:
(Start: 4 @58813 has 6 MA's), (Start: 7 @58867 has 8 MA's), (Start: 8 @58921 has 40 MA's), (Start: 9 @58948 has 70 MA's), (Start: 10 @58966 has 4 MA's), (12, 59050), (13, 59218), (14, 59233), (17, 59290), (19, 59302), (20, 59335), (21, 59419), (22, 59425), (23, 59434), (24, 59446), (25, 59470), (26, 59506), (27, 59560), (28, 59563), (30, 59677), (31, 59710),

Gene: Bruin_98 Start: 59428, Stop: 60234, Start Num: 8
Candidate Starts for Bruin_98:
(3, 59242), (Start: 4 @59320 has 6 MA's), (Start: 7 @59374 has 8 MA's), (Start: 8 @59428 has 40 MA's), (Start: 9 @59455 has 70 MA's), (Start: 10 @59473 has 4 MA's), (12, 59557), (13, 59725), (14, 59740), (15, 59761), (17, 59797), (19, 59809), (20, 59842), (21, 59926), (22, 59932), (23, 59941), (24, 59953), (25, 59977), (26, 60013), (27, 60067), (28, 60070), (30, 60184), (31, 60217),

Gene: Buck_102 Start: 61292, Stop: 62071, Start Num: 9
Candidate Starts for Buck_102:
(3, 61079), (Start: 4 @61157 has 6 MA's), (Start: 7 @61211 has 8 MA's), (Start: 8 @61265 has 40 MA's), (Start: 9 @61292 has 70 MA's), (Start: 10 @61310 has 4 MA's), (12, 61394), (13, 61562), (14, 61577), (17, 61634), (19, 61646), (20, 61679), (21, 61763), (22, 61769), (23, 61778), (24, 61790), (25, 61814), (26, 61850), (27, 61904), (28, 61907), (30, 62021), (31, 62054),

Gene: Budgie_110 Start: 60629, Stop: 61396, Start Num: 8
Candidate Starts for Budgie_110:
(1, 60236), (2, 60410), (5, 60527), (6, 60563), (Start: 7 @60575 has 8 MA's), (Start: 8 @60629 has 40 MA's), (Start: 9 @60656 has 70 MA's), (Start: 10 @60677 has 4 MA's), (11, 60752), (14, 60902), (16, 60929), (17, 60959), (18, 60968), (19, 60971), (20, 61004), (21, 61088), (22, 61094), (23, 61103), (24, 61115), (26, 61175), (27, 61229), (29, 61277), (31, 61379),

Gene: BugsBunny_100 Start: 60742, Stop: 61548, Start Num: 8
Candidate Starts for BugsBunny_100:
(Start: 7 @60688 has 8 MA's), (Start: 8 @60742 has 40 MA's), (Start: 9 @60769 has 70 MA's), (Start: 10 @60787 has 4 MA's), (12, 60871), (13, 61039), (14, 61054), (15, 61075), (17, 61111), (19, 61123), (20, 61156), (21, 61240), (22, 61246), (23, 61255), (24, 61267), (25, 61291), (26, 61327), (27, 61381), (28, 61384), (30, 61498), (31, 61531),

Gene: Cactus_105 Start: 59709, Stop: 60488, Start Num: 9
Candidate Starts for Cactus_105:
(Start: 4 @59574 has 6 MA's), (Start: 7 @59628 has 8 MA's), (Start: 8 @59682 has 40 MA's), (Start: 9 @59709 has 70 MA's), (Start: 10 @59727 has 4 MA's), (12, 59811), (13, 59979), (14, 59994), (15, 60015), (17, 60051), (19, 60063), (20, 60096), (21, 60180), (22, 60186), (23, 60195), (24, 60207), (25, 60231), (26, 60267), (27, 60321), (28, 60324), (30, 60438), (31, 60471),

Gene: ChosenOne_101 Start: 59658, Stop: 60437, Start Num: 9
Candidate Starts for ChosenOne_101:
(Start: 7 @59577 has 8 MA's), (Start: 8 @59631 has 40 MA's), (Start: 9 @59658 has 70 MA's), (Start: 10 @59676 has 4 MA's), (12, 59760), (13, 59928), (14, 59943), (15, 59964), (17, 60000), (19, 60012), (20, 60045), (21, 60129), (22, 60135), (23, 60144), (24, 60156), (25, 60180), (26, 60216), (27, 60270), (28, 60273), (30, 60387), (31, 60420),

Gene: ChotaBhai_101 Start: 60068, Stop: 60847, Start Num: 9
Candidate Starts for ChotaBhai_101:
(Start: 4 @59933 has 6 MA's), (Start: 7 @59987 has 8 MA's), (Start: 8 @60041 has 40 MA's), (Start: 9 @60068 has 70 MA's), (Start: 10 @60086 has 4 MA's), (12, 60170), (13, 60338), (14, 60353), (15, 60374), (17, 60410), (19, 60422), (20, 60455), (21, 60539), (22, 60545), (23, 60554), (24, 60566), (25, 60590), (26, 60626), (27, 60680), (28, 60683), (30, 60797), (31, 60830),

Gene: Cjw1_102 Start: 61582, Stop: 62442, Start Num: 7
Candidate Starts for Cjw1_102:
(Start: 7 @61582 has 8 MA's), (Start: 8 @61636 has 40 MA's), (Start: 9 @61663 has 70 MA's), (Start: 10 @61681 has 4 MA's), (12, 61765), (13, 61933), (14, 61948), (15, 61969), (17, 62005), (19, 62017), (20, 62050), (21, 62134), (22, 62140), (23, 62149), (24, 62161), (25, 62185), (26, 62221), (27, 62275), (28, 62278), (30, 62392), (31, 62425),

Gene: Command613_103 Start: 60224, Stop: 61003, Start Num: 9
Candidate Starts for Command613_103:

(3, 60011), (Start: 4 @60089 has 6 MA's), (Start: 7 @60143 has 8 MA's), (Start: 8 @60197 has 40 MA's), (Start: 9 @60224 has 70 MA's), (Start: 10 @60242 has 4 MA's), (12, 60326), (13, 60494), (14, 60509), (15, 60530), (17, 60566), (19, 60578), (20, 60611), (21, 60695), (22, 60701), (23, 60710), (24, 60722), (25, 60746), (26, 60782), (27, 60836), (28, 60839), (30, 60953), (31, 60986),

Gene: Contagion_97 Start: 59790, Stop: 60596, Start Num: 8
Candidate Starts for Contagion_97:
(3, 59604), (Start: 4 @59682 has 6 MA's), (Start: 7 @59736 has 8 MA's), (Start: 8 @59790 has 40 MA's), (Start: 9 @59817 has 70 MA's), (Start: 10 @59835 has 4 MA's), (12, 59919), (13, 60087), (14, 60102), (15, 60123), (17, 60159), (19, 60171), (20, 60204), (21, 60288), (22, 60294), (23, 60303), (24, 60315), (25, 60339), (26, 60375), (27, 60429), (28, 60432), (30, 60546), (31, 60579),

Gene: Cookies_98 Start: 59994, Stop: 60773, Start Num: 9
Candidate Starts for Cookies_98:
(Start: 4 @59859 has 6 MA's), (Start: 7 @59913 has 8 MA's), (Start: 8 @59967 has 40 MA's), (Start: 9 @59994 has 70 MA's), (Start: 10 @60012 has 4 MA's), (12, 60096), (13, 60264), (14, 60279), (15, 60300), (17, 60336), (19, 60348), (20, 60381), (21, 60465), (22, 60471), (23, 60480), (24, 60492), (25, 60516), (26, 60552), (27, 60606), (28, 60609), (30, 60723), (31, 60756),

Gene: CrystalP_100 Start: 60749, Stop: 61528, Start Num: 9
Candidate Starts for CrystalP_100:
(3, 60536), (Start: 4 @60614 has 6 MA's), (Start: 7 @60668 has 8 MA's), (Start: 8 @60722 has 40 MA's), (Start: 9 @60749 has 70 MA's), (Start: 10 @60767 has 4 MA's), (12, 60851), (13, 61019), (14, 61034), (17, 61091), (19, 61103), (20, 61136), (21, 61220), (22, 61226), (23, 61235), (24, 61247), (25, 61271), (26, 61307), (27, 61361), (28, 61364), (30, 61478), (31, 61511),

Gene: Czyszczon1_102 Start: 60009, Stop: 60788, Start Num: 9
Candidate Starts for Czyszczon1_102:
(Start: 4 @59874 has 6 MA's), (Start: 7 @59928 has 8 MA's), (Start: 8 @59982 has 40 MA's), (Start: 9 @60009 has 70 MA's), (Start: 10 @60027 has 4 MA's), (12, 60111), (13, 60279), (14, 60294), (15, 60315), (17, 60351), (19, 60363), (20, 60396), (21, 60480), (22, 60486), (23, 60495), (24, 60507), (25, 60531), (26, 60567), (27, 60621), (28, 60624), (30, 60738), (31, 60771),

Gene: Daikon_101 Start: 59641, Stop: 60402, Start Num: 10
Candidate Starts for Daikon_101:
(3, 59410), (Start: 4 @59488 has 6 MA's), (Start: 7 @59542 has 8 MA's), (Start: 8 @59596 has 40 MA's), (Start: 9 @59623 has 70 MA's), (Start: 10 @59641 has 4 MA's), (12, 59725), (13, 59893), (14, 59908), (17, 59965), (19, 59977), (20, 60010), (21, 60094), (22, 60100), (23, 60109), (24, 60121), (25, 60145), (26, 60181), (27, 60235), (28, 60238), (30, 60352), (31, 60385),

Gene: DoctorDiddles_100 Start: 59472, Stop: 60251, Start Num: 9
Candidate Starts for DoctorDiddles_100:
(Start: 4 @59337 has 6 MA's), (Start: 7 @59391 has 8 MA's), (Start: 8 @59445 has 40 MA's), (Start: 9 @59472 has 70 MA's), (Start: 10 @59490 has 4 MA's), (12, 59574), (13, 59742), (14, 59757), (15, 59778), (17, 59814), (19, 59826), (20, 59859), (21, 59943), (22, 59949), (23, 59958), (24, 59970), (25, 59994), (26, 60030), (27, 60084), (28, 60087), (30, 60201), (31, 60234),

Gene: DrDrey_101 Start: 61460, Stop: 62266, Start Num: 8
Candidate Starts for DrDrey_101:
(Start: 4 @61352 has 6 MA's), (Start: 7 @61406 has 8 MA's), (Start: 8 @61460 has 40 MA's), (Start: 9 @61487 has 70 MA's), (Start: 10 @61505 has 4 MA's), (12, 61589), (13, 61757), (14, 61772), (15, 61793), (17, 61829), (19, 61841), (20, 61874), (21, 61958), (22, 61964), (23, 61973), (24, 61985), (25, 62009), (26, 62045), (27, 62099), (28, 62102), (30, 62216), (31, 62249),

Gene: Dumbo_101 Start: 60019, Stop: 60825, Start Num: 8
Candidate Starts for Dumbo_101:
(Start: 7 @59965 has 8 MA's), (Start: 8 @60019 has 40 MA's), (Start: 9 @60046 has 70 MA's), (Start: 10 @60064 has 4 MA's), (12, 60148), (13, 60316), (14, 60331), (15, 60352), (17, 60388), (19, 60400), (20, 60433), (21, 60517), (22, 60523), (23, 60532), (24, 60544), (25, 60568), (26, 60604), (27, 60658), (28, 60661), (30, 60775), (31, 60808),

Gene: Dusk_98 Start: 59982, Stop: 60788, Start Num: 8
Candidate Starts for Dusk_98:
(Start: 4 @59874 has 6 MA's), (Start: 7 @59928 has 8 MA's), (Start: 8 @59982 has 40 MA's), (Start: 9 @60009 has 70 MA's), (Start: 10 @60027 has 4 MA's), (12, 60111), (13, 60279), (14, 60294), (15, 60315), (17, 60351), (19, 60363), (20, 60396), (21, 60480), (22, 60486), (23, 60495), (24, 60507), (25, 60531), (26, 60567), (27, 60621), (28, 60624), (30, 60738), (31, 60771),

Gene: Easy2Say_101 Start: 60481, Stop: 61260, Start Num: 9
Candidate Starts for Easy2Say_101:
(3, 60268), (Start: 4 @60346 has 6 MA's), (Start: 7 @60400 has 8 MA's), (Start: 8 @60454 has 40 MA's), (Start: 9 @60481 has 70 MA's), (Start: 10 @60499 has 4 MA's), (12, 60583), (13, 60751), (14, 60766), (17, 60823), (19, 60835), (20, 60868), (21, 60952), (22, 60958), (23, 60967), (24, 60979), (25, 61003), (26, 61039), (27, 61093), (28, 61096), (30, 61210), (31, 61243),

Gene: Elite2014_100 Start: 59576, Stop: 60436, Start Num: 7
Candidate Starts for Elite2014_100:
(Start: 7 @59576 has 8 MA's), (Start: 8 @59630 has 40 MA's), (Start: 9 @59657 has 70 MA's), (Start: 10 @59675 has 4 MA's), (12, 59759), (13, 59927), (14, 59942), (15, 59963), (17, 59999), (19, 60011), (20, 60044), (21, 60128), (22, 60134), (23, 60143), (24, 60155), (25, 60179), (26, 60215), (27, 60269), (28, 60272), (30, 60386), (31, 60419),

Gene: Elph10_101 Start: 59692, Stop: 60471, Start Num: 9
Candidate Starts for Elph10_101:
(Start: 7 @59611 has 8 MA's), (Start: 8 @59665 has 40 MA's), (Start: 9 @59692 has 70 MA's), (Start: 10 @59710 has 4 MA's), (12, 59794), (13, 59962), (14, 59977), (15, 59998), (17, 60034), (19, 60046), (20, 60079), (21, 60163), (22, 60169), (23, 60178), (24, 60190), (25, 60214), (26, 60250), (27, 60304), (28, 60307), (30, 60421), (31, 60454),

Gene: Emmina_101 Start: 59432, Stop: 60211, Start Num: 9
Candidate Starts for Emmina_101:
(3, 59219), (Start: 4 @59297 has 6 MA's), (Start: 7 @59351 has 8 MA's), (Start: 8 @59405 has 40 MA's), (Start: 9 @59432 has 70 MA's), (Start: 10 @59450 has 4 MA's), (12, 59534), (13, 59702), (14, 59717), (17, 59774), (19, 59786), (20, 59819), (21, 59903), (22, 59909), (23, 59918), (24, 59930), (25, 59954), (26, 59990), (27, 60044), (28, 60047), (30, 60161), (31, 60194),

Gene: Eureka_100 Start: 60593, Stop: 61399, Start Num: 8
Candidate Starts for Eureka_100:
(Start: 4 @60485 has 6 MA's), (Start: 7 @60539 has 8 MA's), (Start: 8 @60593 has 40 MA's), (Start: 9 @60620 has 70 MA's), (Start: 10 @60638 has 4 MA's), (12, 60722), (13, 60890), (14, 60905), (15, 60926), (17, 60962), (19, 60974), (20, 61007), (21, 61091), (22, 61097), (23, 61106), (24, 61118), (25, 61142), (26, 61178), (27, 61232), (28, 61235), (30, 61349), (31, 61382),

Gene: FairyPath_101 Start: 60925, Stop: 61704, Start Num: 9
Candidate Starts for FairyPath_101:

(Start: 4 @60790 has 6 MA's), (Start: 7 @60844 has 8 MA's), (Start: 8 @60898 has 40 MA's), (Start: 9 @60925 has 70 MA's), (Start: 10 @60943 has 4 MA's), (12, 61027), (13, 61195), (14, 61210), (15, 61231), (17, 61267), (19, 61279), (20, 61312), (21, 61396), (22, 61402), (23, 61411), (24, 61423), (25, 61447), (26, 61483), (27, 61537), (28, 61540), (30, 61654), (31, 61687),

Gene: Filch_103 Start: 60005, Stop: 60784, Start Num: 9
Candidate Starts for Filch_103:
(Start: 7 @59924 has 8 MA's), (Start: 8 @59978 has 40 MA's), (Start: 9 @60005 has 70 MA's), (Start: 10 @60023 has 4 MA's), (12, 60107), (13, 60275), (14, 60290), (15, 60311), (17, 60347), (19, 60359), (20, 60392), (21, 60476), (22, 60482), (23, 60491), (24, 60503), (25, 60527), (26, 60563), (27, 60617), (28, 60620), (30, 60734), (31, 60767),

Gene: FireRed_104 Start: 60869, Stop: 61675, Start Num: 8
Candidate Starts for FireRed_104:
(Start: 4 @60761 has 6 MA's), (Start: 7 @60815 has 8 MA's), (Start: 8 @60869 has 40 MA's), (Start: 9 @60896 has 70 MA's), (Start: 10 @60914 has 4 MA's), (12, 60998), (13, 61166), (14, 61181), (15, 61202), (17, 61238), (19, 61250), (20, 61283), (21, 61367), (22, 61373), (23, 61382), (24, 61394), (25, 61418), (26, 61454), (27, 61508), (28, 61511), (30, 61625), (31, 61658),

Gene: Flypotenuse_97 Start: 59054, Stop: 59860, Start Num: 8
Candidate Starts for Flypotenuse_97:
(Start: 4 @58946 has 6 MA's), (Start: 7 @59000 has 8 MA's), (Start: 8 @59054 has 40 MA's), (Start: 9 @59081 has 70 MA's), (Start: 10 @59099 has 4 MA's), (12, 59183), (13, 59351), (14, 59366), (15, 59387), (17, 59423), (19, 59435), (20, 59468), (21, 59552), (22, 59558), (23, 59567), (24, 59579), (25, 59603), (26, 59639), (27, 59693), (28, 59696), (30, 59810), (31, 59843),

Gene: FoghornLeghorn_94 Start: 57786, Stop: 58565, Start Num: 9
Candidate Starts for FoghornLeghorn_94:
(3, 57573), (Start: 4 @57651 has 6 MA's), (Start: 7 @57705 has 8 MA's), (Start: 8 @57759 has 40 MA's), (Start: 9 @57786 has 70 MA's), (Start: 10 @57804 has 4 MA's), (12, 57888), (13, 58056), (14, 58071), (15, 58092), (17, 58128), (19, 58140), (20, 58173), (21, 58257), (22, 58263), (23, 58272), (24, 58284), (25, 58308), (26, 58344), (27, 58398), (28, 58401), (30, 58515), (31, 58548),

Gene: Gage_103 Start: 60152, Stop: 60931, Start Num: 9
Candidate Starts for Gage_103:
(Start: 4 @60017 has 6 MA's), (Start: 7 @60071 has 8 MA's), (Start: 8 @60125 has 40 MA's), (Start: 9 @60152 has 70 MA's), (Start: 10 @60170 has 4 MA's), (12, 60254), (13, 60422), (14, 60437), (15, 60458), (17, 60494), (19, 60506), (20, 60539), (21, 60623), (22, 60629), (23, 60638), (24, 60650), (25, 60674), (26, 60710), (27, 60764), (28, 60767), (31, 60914),

Gene: Gator_99 Start: 59802, Stop: 60716, Start Num: 4
Candidate Starts for Gator_99:
(Start: 4 @59802 has 6 MA's), (Start: 7 @59856 has 8 MA's), (Start: 8 @59910 has 40 MA's), (Start: 9 @59937 has 70 MA's), (Start: 10 @59955 has 4 MA's), (12, 60039), (13, 60207), (14, 60222), (15, 60243), (17, 60279), (19, 60291), (20, 60324), (21, 60408), (22, 60414), (23, 60423), (24, 60435), (25, 60459), (26, 60495), (27, 60549), (28, 60552), (30, 60666), (31, 60699),

Gene: Gemini_106 Start: 60531, Stop: 61310, Start Num: 9
Candidate Starts for Gemini_106:
(3, 60318), (Start: 4 @60396 has 6 MA's), (Start: 7 @60450 has 8 MA's), (Start: 8 @60504 has 40 MA's), (Start: 9 @60531 has 70 MA's), (Start: 10 @60549 has 4 MA's), (12, 60633), (13, 60801), (14, 60816), (17, 60873), (19, 60885), (20, 60918), (21, 61002), (22, 61008), (23, 61017), (24, 61029), (25, 61053), (26, 61089), (27, 61143), (28, 61146), (30, 61260), (31, 61293),

Gene: Glexan_100 Start: 60130, Stop: 60990, Start Num: 7
Candidate Starts for Glexan_100:
(Start: 4 @60076 has 6 MA's), (Start: 7 @60130 has 8 MA's), (Start: 8 @60184 has 40 MA's), (Start: 9 @60211 has 70 MA's), (Start: 10 @60229 has 4 MA's), (12, 60313), (13, 60481), (14, 60496), (17, 60553), (19, 60565), (20, 60598), (21, 60682), (22, 60688), (23, 60697), (24, 60709), (25, 60733), (26, 60769), (27, 60823), (28, 60826), (30, 60940), (31, 60973),

Gene: Goku_100 Start: 60322, Stop: 61128, Start Num: 8
Candidate Starts for Goku_100:
(Start: 4 @60214 has 6 MA's), (Start: 7 @60268 has 8 MA's), (Start: 8 @60322 has 40 MA's), (Start: 9 @60349 has 70 MA's), (Start: 10 @60367 has 4 MA's), (12, 60451), (13, 60619), (14, 60634), (15, 60655), (17, 60691), (19, 60703), (20, 60736), (21, 60820), (22, 60826), (23, 60835), (24, 60847), (25, 60871), (26, 60907), (27, 60961), (28, 60964), (30, 61078), (31, 61111),

Gene: GoldenSpark_105 Start: 60032, Stop: 60793, Start Num: 10
Candidate Starts for GoldenSpark_105:
(3, 59801), (Start: 4 @59879 has 6 MA's), (Start: 7 @59933 has 8 MA's), (Start: 8 @59987 has 40 MA's), (Start: 9 @60014 has 70 MA's), (Start: 10 @60032 has 4 MA's), (12, 60116), (13, 60284), (14, 60299), (17, 60356), (19, 60368), (20, 60401), (21, 60485), (22, 60491), (23, 60500), (24, 60512), (25, 60536), (26, 60572), (27, 60626), (28, 60629), (30, 60743), (31, 60776),

Gene: Goldilocks_104 Start: 59931, Stop: 60710, Start Num: 9
Candidate Starts for Goldilocks_104:
(Start: 4 @59796 has 6 MA's), (Start: 7 @59850 has 8 MA's), (Start: 8 @59904 has 40 MA's), (Start: 9 @59931 has 70 MA's), (Start: 10 @59949 has 4 MA's), (12, 60033), (13, 60201), (14, 60216), (15, 60237), (17, 60273), (19, 60285), (20, 60318), (21, 60402), (22, 60408), (23, 60417), (24, 60429), (25, 60453), (26, 60489), (27, 60543), (28, 60546), (30, 60660), (31, 60693),

Gene: GooberAzure_104 Start: 60014, Stop: 60793, Start Num: 9
Candidate Starts for GooberAzure_104:
(3, 59801), (Start: 4 @59879 has 6 MA's), (Start: 7 @59933 has 8 MA's), (Start: 8 @59987 has 40 MA's), (Start: 9 @60014 has 70 MA's), (Start: 10 @60032 has 4 MA's), (12, 60116), (13, 60284), (14, 60299), (17, 60356), (19, 60368), (20, 60401), (21, 60485), (22, 60491), (23, 60500), (24, 60512), (25, 60536), (26, 60572), (27, 60626), (28, 60629), (30, 60743), (31, 60776),

Gene: Greep_105 Start: 61586, Stop: 62365, Start Num: 9
Candidate Starts for Greep_105:
(3, 61373), (Start: 4 @61451 has 6 MA's), (Start: 7 @61505 has 8 MA's), (Start: 8 @61559 has 40 MA's), (Start: 9 @61586 has 70 MA's), (Start: 10 @61604 has 4 MA's), (12, 61688), (13, 61856), (14, 61871), (15, 61892), (17, 61928), (19, 61940), (20, 61973), (21, 62057), (22, 62063), (23, 62072), (24, 62084), (25, 62108), (26, 62144), (27, 62198), (28, 62201), (30, 62315), (31, 62348),

Gene: HanKaySha_102 Start: 60401, Stop: 61180, Start Num: 9
Candidate Starts for HanKaySha_102:
(Start: 4 @60266 has 6 MA's), (Start: 7 @60320 has 8 MA's), (Start: 8 @60374 has 40 MA's), (Start: 9 @60401 has 70 MA's), (Start: 10 @60419 has 4 MA's), (12, 60503), (13, 60671), (14, 60686), (15, 60707), (17, 60743), (19, 60755), (20, 60788), (21, 60872), (22, 60878), (23, 60887), (24, 60899), (25, 60923), (26, 60959), (27, 61013), (28, 61016), (30, 61130), (31, 61163),

Gene: Harella_101 Start: 60727, Stop: 61506, Start Num: 9
Candidate Starts for Harella_101:

(Start: 4 @60592 has 6 MA's), (Start: 7 @60646 has 8 MA's), (Start: 8 @60700 has 40 MA's), (Start: 9 @60727 has 70 MA's), (Start: 10 @60745 has 4 MA's), (12, 60829), (13, 60997), (14, 61012), (17, 61069), (19, 61081), (20, 61114), (21, 61198), (22, 61204), (23, 61213), (24, 61225), (25, 61249), (26, 61285), (27, 61339), (28, 61342), (30, 61456), (31, 61489),

Gene: Henry_98 Start: 60027, Stop: 60833, Start Num: 8
Candidate Starts for Henry_98:
(3, 59841), (Start: 4 @59919 has 6 MA's), (Start: 7 @59973 has 8 MA's), (Start: 8 @60027 has 40 MA's), (Start: 9 @60054 has 70 MA's), (Start: 10 @60072 has 4 MA's), (12, 60156), (13, 60324), (14, 60339), (17, 60396), (19, 60408), (20, 60441), (21, 60525), (22, 60531), (23, 60540), (24, 60552), (25, 60576), (26, 60612), (27, 60666), (28, 60669), (30, 60783), (31, 60816),

Gene: Highbury_98 Start: 58558, Stop: 59337, Start Num: 9
Candidate Starts for Highbury_98:
(Start: 4 @58423 has 6 MA's), (Start: 7 @58477 has 8 MA's), (Start: 8 @58531 has 40 MA's), (Start: 9 @58558 has 70 MA's), (Start: 10 @58576 has 4 MA's), (12, 58660), (13, 58828), (14, 58843), (15, 58864), (17, 58900), (19, 58912), (20, 58945), (21, 59029), (22, 59035), (23, 59044), (24, 59056), (25, 59080), (26, 59116), (27, 59170), (28, 59173), (30, 59287), (31, 59320),

Gene: Holt_106 Start: 60428, Stop: 61207, Start Num: 9
Candidate Starts for Holt_106:
(3, 60215), (Start: 4 @60293 has 6 MA's), (Start: 7 @60347 has 8 MA's), (Start: 8 @60401 has 40 MA's), (Start: 9 @60428 has 70 MA's), (Start: 10 @60446 has 4 MA's), (12, 60530), (13, 60698), (14, 60713), (17, 60770), (19, 60782), (20, 60815), (21, 60899), (22, 60905), (23, 60914), (24, 60926), (25, 60950), (26, 60986), (27, 61040), (28, 61043), (30, 61157), (31, 61190),

Gene: Hoonter_104 Start: 60507, Stop: 61286, Start Num: 9
Candidate Starts for Hoonter_104:
(Start: 7 @60426 has 8 MA's), (Start: 8 @60480 has 40 MA's), (Start: 9 @60507 has 70 MA's), (Start: 10 @60525 has 4 MA's), (12, 60609), (13, 60777), (14, 60792), (15, 60813), (17, 60849), (19, 60861), (20, 60894), (21, 60978), (22, 60984), (23, 60993), (24, 61005), (25, 61029), (26, 61065), (27, 61119), (28, 61122), (30, 61236), (31, 61269),

Gene: Hopey_102 Start: 60931, Stop: 61791, Start Num: 7
Candidate Starts for Hopey_102:
(Start: 7 @60931 has 8 MA's), (Start: 8 @60985 has 40 MA's), (Start: 9 @61012 has 70 MA's), (Start: 10 @61030 has 4 MA's), (12, 61114), (13, 61282), (14, 61297), (15, 61318), (17, 61354), (19, 61366), (20, 61399), (21, 61483), (22, 61489), (23, 61498), (24, 61510), (25, 61534), (26, 61570), (27, 61624), (28, 61627), (30, 61741), (31, 61774),

Gene: HufflyPuff_103 Start: 61095, Stop: 61901, Start Num: 8
Candidate Starts for HufflyPuff_103:
(Start: 4 @60987 has 6 MA's), (Start: 7 @61041 has 8 MA's), (Start: 8 @61095 has 40 MA's), (Start: 9 @61122 has 70 MA's), (Start: 10 @61140 has 4 MA's), (12, 61224), (13, 61392), (14, 61407), (15, 61428), (17, 61464), (19, 61476), (20, 61509), (21, 61593), (22, 61599), (23, 61608), (24, 61620), (25, 61644), (26, 61680), (27, 61734), (28, 61737), (30, 61851), (31, 61884),

Gene: IHOP_99 Start: 59748, Stop: 60509, Start Num: 10
Candidate Starts for IHOP_99:
(Start: 4 @59595 has 6 MA's), (Start: 7 @59649 has 8 MA's), (Start: 8 @59703 has 40 MA's), (Start: 9 @59730 has 70 MA's), (Start: 10 @59748 has 4 MA's), (12, 59832), (13, 60000), (14, 60015), (15, 60036), (17, 60072), (19, 60084), (20, 60117), (21, 60201), (22, 60207), (23, 60216), (24, 60228), (25, 60252), (26, 60288), (27, 60342), (28, 60345), (30, 60459), (31, 60492),

Gene: Icee_102 Start: 59538, Stop: 60317, Start Num: 9
Candidate Starts for Icee_102:
(3, 59325), (Start: 4 @59403 has 6 MA's), (Start: 7 @59457 has 8 MA's), (Start: 8 @59511 has 40 MA's), (Start: 9 @59538 has 70 MA's), (Start: 10 @59556 has 4 MA's), (12, 59640), (13, 59808), (14, 59823), (15, 59844), (17, 59880), (19, 59892), (20, 59925), (21, 60009), (22, 60015), (23, 60024), (24, 60036), (25, 60060), (26, 60096), (27, 60150), (28, 60153), (30, 60267), (31, 60300),

Gene: Inca_98 Start: 58219, Stop: 58998, Start Num: 9
Candidate Starts for Inca_98:
(Start: 4 @58084 has 6 MA's), (Start: 7 @58138 has 8 MA's), (Start: 8 @58192 has 40 MA's), (Start: 9 @58219 has 70 MA's), (Start: 10 @58237 has 4 MA's), (12, 58321), (13, 58489), (14, 58504), (15, 58525), (17, 58561), (19, 58573), (20, 58606), (21, 58690), (22, 58696), (23, 58705), (24, 58717), (25, 58741), (26, 58777), (27, 58831), (28, 58834), (30, 58948), (31, 58981),

Gene: JeTaime_100 Start: 59837, Stop: 60616, Start Num: 9
Candidate Starts for JeTaime_100:
(Start: 4 @59702 has 6 MA's), (Start: 7 @59756 has 8 MA's), (Start: 8 @59810 has 40 MA's), (Start: 9 @59837 has 70 MA's), (Start: 10 @59855 has 4 MA's), (12, 59939), (13, 60107), (14, 60122), (15, 60143), (17, 60179), (19, 60191), (20, 60224), (21, 60308), (22, 60314), (23, 60323), (24, 60335), (25, 60359), (26, 60395), (27, 60449), (28, 60452), (30, 60566), (31, 60599),

Gene: Kanye_98 Start: 60236, Stop: 61042, Start Num: 8
Candidate Starts for Kanye_98:
(Start: 4 @60128 has 6 MA's), (Start: 7 @60182 has 8 MA's), (Start: 8 @60236 has 40 MA's), (Start: 9 @60263 has 70 MA's), (Start: 10 @60281 has 4 MA's), (12, 60365), (13, 60533), (14, 60548), (15, 60569), (17, 60605), (19, 60617), (20, 60650), (21, 60734), (22, 60740), (23, 60749), (24, 60761), (25, 60785), (26, 60821), (27, 60875), (28, 60878), (30, 60992), (31, 61025),

Gene: Kimchi_105 Start: 60155, Stop: 60934, Start Num: 9
Candidate Starts for Kimchi_105:
(Start: 4 @60020 has 6 MA's), (Start: 7 @60074 has 8 MA's), (Start: 8 @60128 has 40 MA's), (Start: 9 @60155 has 70 MA's), (Start: 10 @60173 has 4 MA's), (12, 60257), (13, 60425), (14, 60440), (15, 60461), (17, 60497), (19, 60509), (20, 60542), (21, 60626), (22, 60632), (23, 60641), (24, 60653), (25, 60677), (26, 60713), (27, 60767), (28, 60770), (30, 60884), (31, 60917),

Gene: Kostya_101 Start: 59805, Stop: 60611, Start Num: 8
Candidate Starts for Kostya_101:
(Start: 4 @59697 has 6 MA's), (Start: 7 @59751 has 8 MA's), (Start: 8 @59805 has 40 MA's), (Start: 9 @59832 has 70 MA's), (Start: 10 @59850 has 4 MA's), (12, 59934), (13, 60102), (14, 60117), (15, 60138), (17, 60174), (19, 60186), (20, 60219), (21, 60303), (22, 60309), (23, 60318), (24, 60330), (25, 60354), (26, 60390), (27, 60444), (28, 60447), (30, 60561), (31, 60594),

Gene: Lilac_103 Start: 61155, Stop: 61934, Start Num: 9
Candidate Starts for Lilac_103:
(Start: 7 @61074 has 8 MA's), (Start: 8 @61128 has 40 MA's), (Start: 9 @61155 has 70 MA's), (Start: 10 @61173 has 4 MA's), (12, 61257), (13, 61425), (14, 61440), (15, 61461), (17, 61497), (19, 61509), (20, 61542), (21, 61626), (22, 61632), (23, 61641), (24, 61653), (25, 61677), (26, 61713), (27, 61767), (28, 61770), (30, 61884), (31, 61917),

Gene: Lilizi_102 Start: 60441, Stop: 61220, Start Num: 9
Candidate Starts for Lilizi_102:

(Start: 7 @60360 has 8 MA's), (Start: 8 @60414 has 40 MA's), (Start: 9 @60441 has 70 MA's), (Start: 10 @60459 has 4 MA's), (12, 60543), (13, 60711), (14, 60726), (15, 60747), (17, 60783), (19, 60795), (20, 60828), (21, 60912), (22, 60918), (23, 60927), (24, 60939), (25, 60963), (26, 60999), (27, 61053), (28, 61056), (30, 61170), (31, 61203),

Gene: Lilpickle_100 Start: 59630, Stop: 60436, Start Num: 8
Candidate Starts for Lilpickle_100:
(Start: 7 @59576 has 8 MA's), (Start: 8 @59630 has 40 MA's), (Start: 9 @59657 has 70 MA's), (Start: 10 @59675 has 4 MA's), (12, 59759), (13, 59927), (14, 59942), (15, 59963), (17, 59999), (19, 60011), (20, 60044), (21, 60128), (22, 60134), (23, 60143), (24, 60155), (25, 60179), (26, 60215), (27, 60269), (28, 60272), (30, 60386), (31, 60419),

Gene: MISSy_102 Start: 60913, Stop: 61719, Start Num: 8
Candidate Starts for MISSy_102:
(3, 60727), (Start: 4 @60805 has 6 MA's), (Start: 7 @60859 has 8 MA's), (Start: 8 @60913 has 40 MA's), (Start: 9 @60940 has 70 MA's), (Start: 10 @60958 has 4 MA's), (12, 61042), (13, 61210), (14, 61225), (15, 61246), (17, 61282), (19, 61294), (20, 61327), (21, 61411), (22, 61417), (23, 61426), (24, 61438), (25, 61462), (26, 61498), (27, 61552), (28, 61555), (30, 61669), (31, 61702),

Gene: MPhalcon_102 Start: 60330, Stop: 61136, Start Num: 8
Candidate Starts for MPhalcon_102:
(3, 60144), (Start: 4 @60222 has 6 MA's), (Start: 7 @60276 has 8 MA's), (Start: 8 @60330 has 40 MA's), (Start: 9 @60357 has 70 MA's), (Start: 10 @60375 has 4 MA's), (12, 60459), (13, 60627), (14, 60642), (15, 60663), (17, 60699), (19, 60711), (20, 60744), (21, 60828), (22, 60834), (23, 60843), (24, 60855), (25, 60879), (26, 60915), (27, 60969), (28, 60972), (30, 61086), (31, 61119),

Gene: MadamMonkfish_101 Start: 59863, Stop: 60642, Start Num: 9
Candidate Starts for MadamMonkfish_101:
(Start: 4 @59728 has 6 MA's), (Start: 7 @59782 has 8 MA's), (Start: 8 @59836 has 40 MA's), (Start: 9 @59863 has 70 MA's), (Start: 10 @59881 has 4 MA's), (12, 59965), (13, 60133), (14, 60148), (15, 60169), (17, 60205), (19, 60217), (20, 60250), (21, 60334), (22, 60340), (23, 60349), (24, 60361), (25, 60385), (26, 60421), (27, 60475), (28, 60478), (30, 60592), (31, 60625),

Gene: Manda_102 Start: 60394, Stop: 61173, Start Num: 9
Candidate Starts for Manda_102:
(3, 60181), (Start: 4 @60259 has 6 MA's), (Start: 7 @60313 has 8 MA's), (Start: 8 @60367 has 40 MA's), (Start: 9 @60394 has 70 MA's), (Start: 10 @60412 has 4 MA's), (12, 60496), (13, 60664), (14, 60679), (15, 60700), (17, 60736), (19, 60748), (20, 60781), (21, 60865), (22, 60871), (23, 60880), (24, 60892), (25, 60916), (26, 60952), (27, 61006), (28, 61009), (30, 61123), (31, 61156),

Gene: Marshmallow_98 Start: 60217, Stop: 61131, Start Num: 4
Candidate Starts for Marshmallow_98:
(3, 60139), (Start: 4 @60217 has 6 MA's), (Start: 7 @60271 has 8 MA's), (Start: 8 @60325 has 40 MA's), (Start: 9 @60352 has 70 MA's), (Start: 10 @60370 has 4 MA's), (12, 60454), (13, 60622), (14, 60637), (15, 60658), (17, 60694), (19, 60706), (20, 60739), (21, 60823), (22, 60829), (23, 60838), (24, 60850), (25, 60874), (26, 60910), (27, 60964), (28, 60967), (30, 61081), (31, 61114),

Gene: Maxxinista_103 Start: 60340, Stop: 61119, Start Num: 9
Candidate Starts for Maxxinista_103:
(Start: 4 @60205 has 6 MA's), (Start: 7 @60259 has 8 MA's), (Start: 8 @60313 has 40 MA's), (Start: 9 @60340 has 70 MA's), (Start: 10 @60358 has 4 MA's), (12, 60442), (13, 60610), (14, 60625), (15, 60646), (17, 60682), (19, 60694), (20, 60727), (21, 60811), (22, 60817), (23, 60826), (24, 60838), (25, 60862), (26, 60898), (27, 60952), (28, 60955), (30, 61069), (31, 61102),

Gene: Mindy_100 Start: 59673, Stop: 60452, Start Num: 9
Candidate Starts for Mindy_100:
(Start: 4 @59538 has 6 MA's), (Start: 7 @59592 has 8 MA's), (Start: 8 @59646 has 40 MA's), (Start: 9 @59673 has 70 MA's), (Start: 10 @59691 has 4 MA's), (12, 59775), (13, 59943), (14, 59958), (15, 59979), (17, 60015), (19, 60027), (20, 60060), (21, 60144), (22, 60150), (23, 60159), (24, 60171), (25, 60195), (26, 60231), (27, 60285), (28, 60288), (30, 60402), (31, 60435),

Gene: Miniwave_96 Start: 59823, Stop: 60629, Start Num: 8
Candidate Starts for Miniwave_96:
(3, 59637), (Start: 4 @59715 has 6 MA's), (Start: 7 @59769 has 8 MA's), (Start: 8 @59823 has 40 MA's), (Start: 9 @59850 has 70 MA's), (Start: 10 @59868 has 4 MA's), (12, 59952), (13, 60120), (14, 60135), (15, 60156), (17, 60192), (19, 60204), (20, 60237), (21, 60321), (22, 60327), (23, 60336), (24, 60348), (25, 60372), (26, 60408), (27, 60462), (28, 60465), (30, 60579), (31, 60612),

Gene: Misfit_102 Start: 61453, Stop: 62232, Start Num: 9
Candidate Starts for Misfit_102:
(3, 61240), (Start: 4 @61318 has 6 MA's), (Start: 7 @61372 has 8 MA's), (Start: 8 @61426 has 40 MA's), (Start: 9 @61453 has 70 MA's), (Start: 10 @61471 has 4 MA's), (12, 61555), (13, 61723), (14, 61738), (15, 61759), (17, 61795), (19, 61807), (20, 61840), (21, 61924), (22, 61930), (23, 61939), (24, 61951), (25, 61975), (26, 62011), (27, 62065), (28, 62068), (30, 62182), (31, 62215),

Gene: Moldemort_104 Start: 60321, Stop: 61100, Start Num: 9
Candidate Starts for Moldemort_104:
(Start: 4 @60186 has 6 MA's), (Start: 7 @60240 has 8 MA's), (Start: 8 @60294 has 40 MA's), (Start: 9 @60321 has 70 MA's), (Start: 10 @60339 has 4 MA's), (12, 60423), (13, 60591), (14, 60606), (15, 60627), (17, 60663), (19, 60675), (20, 60708), (21, 60792), (22, 60798), (23, 60807), (24, 60819), (25, 60843), (26, 60879), (27, 60933), (28, 60936), (30, 61050), (31, 61083),

Gene: MollyToe_95 Start: 58251, Stop: 59030, Start Num: 9
Candidate Starts for MollyToe_95:
(Start: 4 @58116 has 6 MA's), (Start: 7 @58170 has 8 MA's), (Start: 8 @58224 has 40 MA's), (Start: 9 @58251 has 70 MA's), (Start: 10 @58269 has 4 MA's), (12, 58353), (13, 58521), (14, 58536), (17, 58593), (19, 58605), (20, 58638), (21, 58722), (22, 58728), (23, 58737), (24, 58749), (25, 58773), (26, 58809), (27, 58863), (28, 58866), (30, 58980), (31, 59013),

Gene: Mosby_97 Start: 59790, Stop: 60596, Start Num: 8
Candidate Starts for Mosby_97:
(3, 59604), (Start: 4 @59682 has 6 MA's), (Start: 7 @59736 has 8 MA's), (Start: 8 @59790 has 40 MA's), (Start: 9 @59817 has 70 MA's), (Start: 10 @59835 has 4 MA's), (12, 59919), (13, 60087), (14, 60102), (15, 60123), (17, 60159), (19, 60171), (20, 60204), (21, 60288), (22, 60294), (23, 60303), (24, 60315), (25, 60339), (26, 60375), (27, 60429), (28, 60432), (30, 60546), (31, 60579),

Gene: Murica_104 Start: 62129, Stop: 62935, Start Num: 8
Candidate Starts for Murica_104:
(3, 61943), (Start: 4 @62021 has 6 MA's), (Start: 7 @62075 has 8 MA's), (Start: 8 @62129 has 40 MA's), (Start: 9 @62156 has 70 MA's), (Start: 10 @62174 has 4 MA's), (12, 62258), (13, 62426), (14, 62441), (15, 62462), (17, 62498), (19, 62510), (20, 62543), (21, 62627), (22, 62633), (23, 62642), (24, 62654), (25, 62678), (26, 62714), (27, 62768), (28, 62771), (30, 62885), (31, 62918),

Gene: Murphy_101 Start: 60686, Stop: 61492, Start Num: 8
Candidate Starts for Murphy_101:

(Start: 7 @60632 has 8 MA's), (Start: 8 @60686 has 40 MA's), (Start: 9 @60713 has 70 MA's), (Start: 10 @60731 has 4 MA's), (12, 60815), (13, 60983), (14, 60998), (15, 61019), (17, 61055), (19, 61067), (20, 61100), (21, 61184), (22, 61190), (23, 61199), (24, 61211), (25, 61235), (26, 61271), (27, 61325), (28, 61328), (30, 61442), (31, 61475),

Gene: Myrale_101 Start: 60512, Stop: 61291, Start Num: 9
Candidate Starts for Myrale_101:
(3, 60299), (Start: 4 @60377 has 6 MA's), (Start: 7 @60431 has 8 MA's), (Start: 8 @60485 has 40 MA's), (Start: 9 @60512 has 70 MA's), (Start: 10 @60530 has 4 MA's), (12, 60614), (13, 60782), (14, 60797), (15, 60818), (17, 60854), (19, 60866), (20, 60899), (21, 60983), (22, 60989), (23, 60998), (24, 61010), (25, 61034), (26, 61070), (27, 61124), (28, 61127), (30, 61241), (31, 61274),

Gene: Nala_103 Start: 60839, Stop: 61645, Start Num: 8
Candidate Starts for Nala_103:
(Start: 4 @60731 has 6 MA's), (Start: 7 @60785 has 8 MA's), (Start: 8 @60839 has 40 MA's), (Start: 9 @60866 has 70 MA's), (Start: 10 @60884 has 4 MA's), (12, 60968), (13, 61136), (14, 61151), (15, 61172), (17, 61208), (19, 61220), (20, 61253), (21, 61337), (22, 61343), (23, 61352), (24, 61364), (25, 61388), (26, 61424), (27, 61478), (28, 61481), (30, 61595), (31, 61628),

Gene: NelitzaMV_98 Start: 58860, Stop: 59639, Start Num: 9
Candidate Starts for NelitzaMV_98:
(3, 58647), (Start: 4 @58725 has 6 MA's), (Start: 7 @58779 has 8 MA's), (Start: 8 @58833 has 40 MA's), (Start: 9 @58860 has 70 MA's), (Start: 10 @58878 has 4 MA's), (12, 58962), (13, 59130), (14, 59145), (17, 59202), (19, 59214), (20, 59247), (21, 59331), (22, 59337), (23, 59346), (24, 59358), (25, 59382), (26, 59418), (27, 59472), (28, 59475), (30, 59589), (31, 59622),

Gene: Nimrod_101 Start: 60344, Stop: 61258, Start Num: 4
Candidate Starts for Nimrod_101:
(Start: 4 @60344 has 6 MA's), (Start: 7 @60398 has 8 MA's), (Start: 8 @60452 has 40 MA's), (Start: 9 @60479 has 70 MA's), (Start: 10 @60497 has 4 MA's), (12, 60581), (13, 60749), (14, 60764), (15, 60785), (17, 60821), (19, 60833), (20, 60866), (21, 60950), (22, 60956), (23, 60965), (24, 60977), (25, 61001), (26, 61037), (27, 61091), (28, 61094), (30, 61208), (31, 61241),

Gene: NoSleep_102 Start: 59873, Stop: 60652, Start Num: 9
Candidate Starts for NoSleep_102:
(3, 59660), (Start: 4 @59738 has 6 MA's), (Start: 7 @59792 has 8 MA's), (Start: 8 @59846 has 40 MA's), (Start: 9 @59873 has 70 MA's), (Start: 10 @59891 has 4 MA's), (12, 59975), (13, 60143), (14, 60158), (15, 60179), (17, 60215), (19, 60227), (20, 60260), (21, 60344), (22, 60350), (23, 60359), (24, 60371), (25, 60395), (26, 60431), (27, 60485), (28, 60488), (31, 60635),

Gene: NonchalantPear_99 Start: 59080, Stop: 59886, Start Num: 8
Candidate Starts for NonchalantPear_99:
(Start: 4 @58972 has 6 MA's), (Start: 7 @59026 has 8 MA's), (Start: 8 @59080 has 40 MA's), (Start: 9 @59107 has 70 MA's), (Start: 10 @59125 has 4 MA's), (12, 59209), (13, 59377), (14, 59392), (15, 59413), (17, 59449), (19, 59461), (20, 59494), (21, 59578), (22, 59584), (23, 59593), (24, 59605), (25, 59629), (26, 59665), (27, 59719), (28, 59722), (30, 59836), (31, 59869),

Gene: OrionPax_100 Start: 59946, Stop: 60725, Start Num: 9
Candidate Starts for OrionPax_100:
(Start: 7 @59865 has 8 MA's), (Start: 8 @59919 has 40 MA's), (Start: 9 @59946 has 70 MA's), (Start: 10 @59964 has 4 MA's), (12, 60048), (13, 60216), (14, 60231), (15, 60252), (17, 60288), (19, 60300), (20, 60333), (21, 60417), (22, 60423), (23, 60432), (24, 60444), (25, 60468), (26, 60504), (27, 60558), (28, 60561), (30, 60675), (31, 60708),

Gene: PaddyBaddy_101 Start: 60064, Stop: 60843, Start Num: 9
Candidate Starts for PaddyBaddy_101:
(Start: 4 @59929 has 6 MA's), (Start: 7 @59983 has 8 MA's), (Start: 8 @60037 has 40 MA's), (Start: 9 @60064 has 70 MA's), (Start: 10 @60082 has 4 MA's), (12, 60166), (13, 60334), (14, 60349), (15, 60370), (17, 60406), (19, 60418), (20, 60451), (21, 60535), (22, 60541), (23, 60550), (24, 60562), (25, 60586), (26, 60622), (27, 60676), (28, 60679), (30, 60793), (31, 60826),

Gene: Palpatine_102 Start: 61151, Stop: 61930, Start Num: 9
Candidate Starts for Palpatine_102:
(Start: 4 @61016 has 6 MA's), (Start: 7 @61070 has 8 MA's), (Start: 8 @61124 has 40 MA's), (Start: 9 @61151 has 70 MA's), (Start: 10 @61169 has 4 MA's), (12, 61253), (13, 61421), (14, 61436), (15, 61457), (17, 61493), (19, 61505), (20, 61538), (21, 61622), (22, 61628), (23, 61637), (24, 61649), (25, 61673), (26, 61709), (27, 61763), (28, 61766), (30, 61880), (31, 61913),

Gene: Paperbeatsrock_100 Start: 60528, Stop: 61307, Start Num: 9
Candidate Starts for Paperbeatsrock_100:
(3, 60315), (Start: 4 @60393 has 6 MA's), (Start: 7 @60447 has 8 MA's), (Start: 8 @60501 has 40 MA's), (Start: 9 @60528 has 70 MA's), (Start: 10 @60546 has 4 MA's), (12, 60630), (13, 60798), (14, 60813), (15, 60834), (17, 60870), (19, 60882), (20, 60915), (21, 60999), (22, 61005), (23, 61014), (24, 61026), (25, 61050), (26, 61086), (27, 61140), (28, 61143), (30, 61257), (31, 61290),

Gene: Pat3_98 Start: 59018, Stop: 59824, Start Num: 8
Candidate Starts for Pat3_98:
(Start: 4 @58910 has 6 MA's), (Start: 7 @58964 has 8 MA's), (Start: 8 @59018 has 40 MA's), (Start: 9 @59045 has 70 MA's), (Start: 10 @59063 has 4 MA's), (12, 59147), (13, 59315), (14, 59330), (15, 59351), (17, 59387), (19, 59399), (20, 59432), (21, 59516), (22, 59522), (23, 59531), (24, 59543), (25, 59567), (26, 59603), (27, 59657), (28, 59660), (30, 59774), (31, 59807),

Gene: Petra64142_105 Start: 61017, Stop: 61796, Start Num: 9
Candidate Starts for Petra64142_105:
(3, 60804), (Start: 4 @60882 has 6 MA's), (Start: 7 @60936 has 8 MA's), (Start: 8 @60990 has 40 MA's), (Start: 9 @61017 has 70 MA's), (Start: 10 @61035 has 4 MA's), (12, 61119), (13, 61287), (14, 61302), (17, 61359), (19, 61371), (20, 61404), (21, 61488), (22, 61494), (23, 61503), (24, 61515), (25, 61539), (26, 61575), (27, 61629), (28, 61632), (30, 61746), (31, 61779),

Gene: Phaja_99 Start: 59750, Stop: 60511, Start Num: 10
Candidate Starts for Phaja_99:
(Start: 4 @59597 has 6 MA's), (Start: 7 @59651 has 8 MA's), (Start: 8 @59705 has 40 MA's), (Start: 9 @59732 has 70 MA's), (Start: 10 @59750 has 4 MA's), (12, 59834), (13, 60002), (14, 60017), (17, 60074), (19, 60086), (20, 60119), (21, 60203), (22, 60209), (23, 60218), (24, 60230), (25, 60254), (26, 60290), (27, 60344), (28, 60347), (30, 60461), (31, 60494),

Gene: Pharsalus_98 Start: 60200, Stop: 61006, Start Num: 8
Candidate Starts for Pharsalus_98:
(Start: 4 @60092 has 6 MA's), (Start: 7 @60146 has 8 MA's), (Start: 8 @60200 has 40 MA's), (Start: 9 @60227 has 70 MA's), (Start: 10 @60245 has 4 MA's), (12, 60329), (13, 60497), (14, 60512), (15, 60533), (17, 60569), (19, 60581), (20, 60614), (21, 60698), (22, 60704), (23, 60713), (24, 60725), (25, 60749), (26, 60785), (27, 60839), (28, 60842), (30, 60956), (31, 60989),

Gene: PhatBacter_104 Start: 60869, Stop: 61675, Start Num: 8
Candidate Starts for PhatBacter_104:

(Start: 4 @60761 has 6 MA's), (Start: 7 @60815 has 8 MA's), (Start: 8 @60869 has 40 MA's), (Start: 9 @60896 has 70 MA's), (Start: 10 @60914 has 4 MA's), (12, 60998), (13, 61166), (14, 61181), (15, 61202), (17, 61238), (19, 61250), (20, 61283), (21, 61367), (22, 61373), (23, 61382), (24, 61394), (25, 61418), (26, 61454), (27, 61508), (28, 61511), (30, 61625), (31, 61658),

Gene: Phaux_103 Start: 61375, Stop: 62235, Start Num: 7
Candidate Starts for Phaux_103:
(3, 61243), (Start: 4 @61321 has 6 MA's), (Start: 7 @61375 has 8 MA's), (Start: 8 @61429 has 40 MA's), (Start: 9 @61456 has 70 MA's), (Start: 10 @61474 has 4 MA's), (12, 61558), (13, 61726), (14, 61741), (17, 61798), (19, 61810), (20, 61843), (21, 61927), (22, 61933), (23, 61942), (24, 61954), (25, 61978), (26, 62014), (27, 62068), (28, 62071), (30, 62185), (31, 62218),

Gene: Phrux_98 Start: 59706, Stop: 60512, Start Num: 8
Candidate Starts for Phrux_98:
(Start: 7 @59652 has 8 MA's), (Start: 8 @59706 has 40 MA's), (Start: 9 @59733 has 70 MA's), (Start: 10 @59751 has 4 MA's), (12, 59835), (13, 60003), (14, 60018), (15, 60039), (17, 60075), (19, 60087), (20, 60120), (21, 60204), (22, 60210), (23, 60219), (24, 60231), (25, 60255), (26, 60291), (27, 60345), (28, 60348), (30, 60462), (31, 60495),

Gene: Policronamos_103 Start: 61178, Stop: 61939, Start Num: 10
Candidate Starts for Policronamos_103:
(3, 60947), (Start: 4 @61025 has 6 MA's), (Start: 7 @61079 has 8 MA's), (Start: 8 @61133 has 40 MA's), (Start: 9 @61160 has 70 MA's), (Start: 10 @61178 has 4 MA's), (12, 61262), (13, 61430), (14, 61445), (17, 61502), (19, 61514), (20, 61547), (21, 61631), (22, 61637), (23, 61646), (24, 61658), (25, 61682), (26, 61718), (27, 61772), (28, 61775), (30, 61889), (31, 61922),

Gene: Porky_100 Start: 59477, Stop: 60256, Start Num: 9
Candidate Starts for Porky_100:
(Start: 7 @59396 has 8 MA's), (Start: 8 @59450 has 40 MA's), (Start: 9 @59477 has 70 MA's), (Start: 10 @59495 has 4 MA's), (12, 59579), (13, 59747), (14, 59762), (15, 59783), (17, 59819), (19, 59831), (20, 59864), (21, 59948), (22, 59954), (23, 59963), (24, 59975), (25, 59999), (26, 60035), (27, 60089), (28, 60092), (31, 60239),

Gene: Ptowny_97 Start: 58541, Stop: 59347, Start Num: 8
Candidate Starts for Ptowny_97:
(Start: 4 @58433 has 6 MA's), (Start: 7 @58487 has 8 MA's), (Start: 8 @58541 has 40 MA's), (Start: 9 @58568 has 70 MA's), (Start: 10 @58586 has 4 MA's), (12, 58670), (13, 58838), (14, 58853), (15, 58874), (17, 58910), (19, 58922), (20, 58955), (21, 59039), (22, 59045), (23, 59054), (24, 59066), (25, 59090), (26, 59126), (27, 59180), (28, 59183), (30, 59297), (31, 59330),

Gene: Pumpkin_103 Start: 59992, Stop: 60852, Start Num: 7
Candidate Starts for Pumpkin_103:
(3, 59860), (Start: 4 @59938 has 6 MA's), (Start: 7 @59992 has 8 MA's), (Start: 8 @60046 has 40 MA's), (Start: 9 @60073 has 70 MA's), (Start: 10 @60091 has 4 MA's), (12, 60175), (13, 60343), (14, 60358), (15, 60379), (17, 60415), (19, 60427), (20, 60460), (21, 60544), (22, 60550), (23, 60559), (24, 60571), (25, 60595), (26, 60631), (27, 60685), (28, 60688), (30, 60802), (31, 60835),

Gene: Quallification_102 Start: 60942, Stop: 61721, Start Num: 9
Candidate Starts for Quallification_102:
(Start: 4 @60807 has 6 MA's), (Start: 7 @60861 has 8 MA's), (Start: 8 @60915 has 40 MA's), (Start: 9 @60942 has 70 MA's), (Start: 10 @60960 has 4 MA's), (12, 61044), (13, 61212), (14, 61227), (15, 61248), (17, 61284), (19, 61296), (20, 61329), (21, 61413), (22, 61419), (23, 61428), (24, 61440), (25, 61464), (26, 61500), (27, 61554), (28, 61557), (30, 61671), (31, 61704),

Gene: Rakim_102 Start: 59964, Stop: 60743, Start Num: 9
Candidate Starts for Rakim_102:
(3, 59751), (Start: 4 @59829 has 6 MA's), (Start: 7 @59883 has 8 MA's), (Start: 8 @59937 has 40 MA's), (Start: 9 @59964 has 70 MA's), (Start: 10 @59982 has 4 MA's), (12, 60066), (13, 60234), (14, 60249), (17, 60306), (19, 60318), (20, 60351), (21, 60435), (22, 60441), (23, 60450), (24, 60462), (25, 60486), (26, 60522), (27, 60576), (28, 60579), (30, 60693), (31, 60726),

Gene: Rimmer_99 Start: 60354, Stop: 61133, Start Num: 9
Candidate Starts for Rimmer_99:
(Start: 4 @60219 has 6 MA's), (Start: 7 @60273 has 8 MA's), (Start: 8 @60327 has 40 MA's), (Start: 9 @60354 has 70 MA's), (Start: 10 @60372 has 4 MA's), (12, 60456), (13, 60624), (14, 60639), (17, 60696), (19, 60708), (20, 60741), (21, 60825), (22, 60831), (23, 60840), (24, 60852), (25, 60876), (26, 60912), (27, 60966), (28, 60969), (30, 61083), (31, 61116),

Gene: RiverMonster_101 Start: 60493, Stop: 61407, Start Num: 4
Candidate Starts for RiverMonster_101:
(Start: 4 @60493 has 6 MA's), (Start: 7 @60547 has 8 MA's), (Start: 8 @60601 has 40 MA's), (Start: 9 @60628 has 70 MA's), (Start: 10 @60646 has 4 MA's), (12, 60730), (13, 60898), (14, 60913), (15, 60934), (17, 60970), (19, 60982), (20, 61015), (21, 61099), (22, 61105), (23, 61114), (24, 61126), (25, 61150), (26, 61186), (27, 61240), (28, 61243), (30, 61357), (31, 61390),

Gene: Saints25_98 Start: 58558, Stop: 59337, Start Num: 9
Candidate Starts for Saints25_98:
(Start: 4 @58423 has 6 MA's), (Start: 7 @58477 has 8 MA's), (Start: 8 @58531 has 40 MA's), (Start: 9 @58558 has 70 MA's), (Start: 10 @58576 has 4 MA's), (12, 58660), (13, 58828), (14, 58843), (15, 58864), (17, 58900), (19, 58912), (20, 58945), (21, 59029), (22, 59035), (23, 59044), (24, 59056), (25, 59080), (26, 59116), (27, 59170), (28, 59173), (30, 59287), (31, 59320),

Gene: Sassay_96 Start: 58752, Stop: 59558, Start Num: 8
Candidate Starts for Sassay_96:
(3, 58566), (Start: 4 @58644 has 6 MA's), (Start: 7 @58698 has 8 MA's), (Start: 8 @58752 has 40 MA's), (Start: 9 @58779 has 70 MA's), (Start: 10 @58797 has 4 MA's), (12, 58881), (13, 59049), (14, 59064), (15, 59085), (17, 59121), (19, 59133), (20, 59166), (21, 59250), (22, 59256), (23, 59265), (24, 59277), (25, 59301), (26, 59337), (27, 59391), (28, 59394), (30, 59508), (31, 59541),

Gene: ShamWow_101 Start: 60722, Stop: 61528, Start Num: 8
Candidate Starts for ShamWow_101:
(3, 60536), (Start: 4 @60614 has 6 MA's), (Start: 7 @60668 has 8 MA's), (Start: 8 @60722 has 40 MA's), (Start: 9 @60749 has 70 MA's), (Start: 10 @60767 has 4 MA's), (12, 60851), (13, 61019), (14, 61034), (17, 61091), (19, 61103), (20, 61136), (21, 61220), (22, 61226), (23, 61235), (24, 61247), (25, 61271), (26, 61307), (27, 61361), (28, 61364), (30, 61478), (31, 61511),

Gene: ShereKhan_99 Start: 61188, Stop: 61967, Start Num: 9
Candidate Starts for ShereKhan_99:
(Start: 4 @61053 has 6 MA's), (Start: 7 @61107 has 8 MA's), (Start: 8 @61161 has 40 MA's), (Start: 9 @61188 has 70 MA's), (Start: 10 @61206 has 4 MA's), (12, 61290), (13, 61458), (14, 61473), (15, 61494), (17, 61530), (19, 61542), (20, 61575), (21, 61659), (22, 61665), (23, 61674), (24, 61686), (25, 61710), (26, 61746), (27, 61800), (28, 61803), (30, 61917), (31, 61950),

Gene: Simpliphy_100 Start: 60199, Stop: 60978, Start Num: 9
Candidate Starts for Simpliphy_100:

(Start: 4 @60064 has 6 MA's), (Start: 7 @60118 has 8 MA's), (Start: 8 @60172 has 40 MA's), (Start: 9 @60199 has 70 MA's), (Start: 10 @60217 has 4 MA's), (12, 60301), (13, 60469), (14, 60484), (15, 60505), (17, 60541), (19, 60553), (20, 60586), (21, 60670), (22, 60676), (23, 60685), (24, 60697), (25, 60721), (26, 60757), (27, 60811), (28, 60814), (30, 60928), (31, 60961),

Gene: SirDuracell_101 Start: 59539, Stop: 60345, Start Num: 8
Candidate Starts for SirDuracell_101:
(Start: 4 @59431 has 6 MA's), (Start: 7 @59485 has 8 MA's), (Start: 8 @59539 has 40 MA's), (Start: 9 @59566 has 70 MA's), (Start: 10 @59584 has 4 MA's), (12, 59668), (13, 59836), (14, 59851), (15, 59872), (17, 59908), (19, 59920), (20, 59953), (21, 60037), (22, 60043), (23, 60052), (24, 60064), (25, 60088), (26, 60124), (27, 60178), (28, 60181), (30, 60295), (31, 60328),

Gene: SophKB_99 Start: 59962, Stop: 60768, Start Num: 8
Candidate Starts for SophKB_99:
(6, 59896), (Start: 7 @59908 has 8 MA's), (Start: 8 @59962 has 40 MA's), (Start: 9 @59989 has 70 MA's), (Start: 10 @60007 has 4 MA's), (12, 60091), (13, 60259), (14, 60274), (15, 60295), (17, 60331), (19, 60343), (20, 60376), (21, 60460), (22, 60466), (23, 60475), (24, 60487), (25, 60511), (26, 60547), (27, 60601), (28, 60604), (30, 60718), (31, 60751),

Gene: Sotrice96_102 Start: 60453, Stop: 61232, Start Num: 9
Candidate Starts for Sotrice96_102:
(Start: 4 @60318 has 6 MA's), (Start: 7 @60372 has 8 MA's), (Start: 8 @60426 has 40 MA's), (Start: 9 @60453 has 70 MA's), (Start: 10 @60471 has 4 MA's), (12, 60555), (13, 60723), (14, 60738), (15, 60759), (17, 60795), (19, 60807), (20, 60840), (21, 60924), (22, 60930), (23, 60939), (24, 60951), (25, 60975), (26, 61011), (27, 61065), (28, 61068), (30, 61182), (31, 61215),

Gene: Stank_103 Start: 60227, Stop: 61006, Start Num: 9
Candidate Starts for Stank_103:
(3, 60014), (Start: 4 @60092 has 6 MA's), (Start: 7 @60146 has 8 MA's), (Start: 8 @60200 has 40 MA's), (Start: 9 @60227 has 70 MA's), (Start: 10 @60245 has 4 MA's), (12, 60329), (13, 60497), (14, 60512), (17, 60569), (19, 60581), (20, 60614), (21, 60698), (22, 60704), (23, 60713), (24, 60725), (25, 60749), (26, 60785), (27, 60839), (28, 60842), (30, 60956), (31, 60989),

Gene: Stark_102 Start: 60512, Stop: 61291, Start Num: 9
Candidate Starts for Stark_102:
(Start: 7 @60431 has 8 MA's), (Start: 8 @60485 has 40 MA's), (Start: 9 @60512 has 70 MA's), (Start: 10 @60530 has 4 MA's), (12, 60614), (13, 60782), (14, 60797), (15, 60818), (17, 60854), (19, 60866), (20, 60899), (21, 60983), (22, 60989), (23, 60998), (24, 61010), (25, 61034), (26, 61070), (27, 61124), (28, 61127), (30, 61241), (31, 61274),

Gene: StellaBean_100 Start: 60589, Stop: 61368, Start Num: 9
Candidate Starts for StellaBean_100:
(Start: 4 @60454 has 6 MA's), (Start: 7 @60508 has 8 MA's), (Start: 8 @60562 has 40 MA's), (Start: 9 @60589 has 70 MA's), (Start: 10 @60607 has 4 MA's), (12, 60691), (13, 60859), (14, 60874), (15, 60895), (17, 60931), (19, 60943), (20, 60976), (21, 61060), (22, 61066), (23, 61075), (24, 61087), (25, 61111), (26, 61147), (27, 61201), (28, 61204), (30, 61318), (31, 61351),

Gene: StolenFromERC_103 Start: 60152, Stop: 60931, Start Num: 9
Candidate Starts for StolenFromERC_103:
(Start: 4 @60017 has 6 MA's), (Start: 7 @60071 has 8 MA's), (Start: 8 @60125 has 40 MA's), (Start: 9 @60152 has 70 MA's), (Start: 10 @60170 has 4 MA's), (12, 60254), (13, 60422), (14, 60437), (15, 60458), (17, 60494), (19, 60506), (20, 60539), (21, 60623), (22, 60629), (23, 60638), (24, 60650), (25, 60674), (26, 60710), (27, 60764), (28, 60767), (31, 60914),

Gene: StormChicken_102 Start: 60491, Stop: 61297, Start Num: 8
Candidate Starts for StormChicken_102:
(3, 60305), (Start: 4 @60383 has 6 MA's), (Start: 7 @60437 has 8 MA's), (Start: 8 @60491 has 40 MA's), (Start: 9 @60518 has 70 MA's), (Start: 10 @60536 has 4 MA's), (12, 60620), (13, 60788), (14, 60803), (17, 60860), (19, 60872), (20, 60905), (21, 60989), (22, 60995), (23, 61004), (24, 61016), (25, 61040), (26, 61076), (27, 61130), (28, 61133), (30, 61247), (31, 61280),

Gene: TBrady12_104 Start: 59667, Stop: 60446, Start Num: 9
Candidate Starts for TBrady12_104:
(3, 59454), (Start: 4 @59532 has 6 MA's), (Start: 7 @59586 has 8 MA's), (Start: 8 @59640 has 40 MA's), (Start: 9 @59667 has 70 MA's), (Start: 10 @59685 has 4 MA's), (12, 59769), (13, 59937), (14, 59952), (17, 60009), (19, 60021), (20, 60054), (21, 60138), (22, 60144), (23, 60153), (24, 60165), (25, 60189), (26, 60225), (27, 60279), (28, 60282), (30, 60396), (31, 60429),

Gene: Tarkin_100 Start: 61026, Stop: 61832, Start Num: 8
Candidate Starts for Tarkin_100:
(Start: 4 @60918 has 6 MA's), (Start: 7 @60972 has 8 MA's), (Start: 8 @61026 has 40 MA's), (Start: 9 @61053 has 70 MA's), (Start: 10 @61071 has 4 MA's), (12, 61155), (13, 61323), (14, 61338), (15, 61359), (17, 61395), (19, 61407), (20, 61440), (21, 61524), (22, 61530), (23, 61539), (24, 61551), (25, 61575), (26, 61611), (27, 61665), (28, 61668), (30, 61782), (31, 61815),

Gene: TeamEdward_101 Start: 60715, Stop: 61494, Start Num: 9
Candidate Starts for TeamEdward_101:
(3, 60502), (Start: 4 @60580 has 6 MA's), (Start: 7 @60634 has 8 MA's), (Start: 8 @60688 has 40 MA's), (Start: 9 @60715 has 70 MA's), (Start: 10 @60733 has 4 MA's), (12, 60817), (13, 60985), (14, 61000), (17, 61057), (19, 61069), (20, 61102), (21, 61186), (22, 61192), (23, 61201), (24, 61213), (25, 61237), (26, 61273), (27, 61327), (28, 61330), (30, 61444), (31, 61477),

Gene: TeardropMSU_97 Start: 59453, Stop: 60313, Start Num: 7
Candidate Starts for TeardropMSU_97:
(Start: 4 @59399 has 6 MA's), (Start: 7 @59453 has 8 MA's), (Start: 8 @59507 has 40 MA's), (Start: 9 @59534 has 70 MA's), (Start: 10 @59552 has 4 MA's), (12, 59636), (13, 59804), (14, 59819), (15, 59840), (17, 59876), (19, 59888), (20, 59921), (21, 60005), (22, 60011), (23, 60020), (24, 60032), (25, 60056), (26, 60092), (27, 60146), (28, 60149), (30, 60263), (31, 60296),

Gene: Teaspoon_102 Start: 60411, Stop: 61190, Start Num: 9
Candidate Starts for Teaspoon_102:
(Start: 7 @60330 has 8 MA's), (Start: 8 @60384 has 40 MA's), (Start: 9 @60411 has 70 MA's), (Start: 10 @60429 has 4 MA's), (12, 60513), (13, 60681), (14, 60696), (15, 60717), (17, 60753), (19, 60765), (20, 60798), (21, 60882), (22, 60888), (23, 60897), (24, 60909), (25, 60933), (26, 60969), (27, 61023), (28, 61026), (31, 61173),

Gene: Terminus_104 Start: 61426, Stop: 62232, Start Num: 8
Candidate Starts for Terminus_104:
(3, 61240), (Start: 4 @61318 has 6 MA's), (Start: 7 @61372 has 8 MA's), (Start: 8 @61426 has 40 MA's), (Start: 9 @61453 has 70 MA's), (Start: 10 @61471 has 4 MA's), (12, 61555), (13, 61723), (14, 61738), (15, 61759), (17, 61795), (19, 61807), (20, 61840), (21, 61924), (22, 61930), (23, 61939), (24, 61951), (25, 61975), (26, 62011), (27, 62065), (28, 62068), (30, 62182), (31, 62215),

Gene: Thimble_103 Start: 59417, Stop: 60196, Start Num: 9
Candidate Starts for Thimble_103:

(3, 59204), (Start: 4 @59282 has 6 MA's), (Start: 7 @59336 has 8 MA's), (Start: 8 @59390 has 40 MA's), (Start: 9 @59417 has 70 MA's), (Start: 10 @59435 has 4 MA's), (12, 59519), (13, 59687), (14, 59702), (17, 59759), (19, 59771), (20, 59804), (21, 59888), (22, 59894), (23, 59903), (24, 59915), (25, 59939), (26, 59975), (27, 60029), (28, 60032), (30, 60146), (31, 60179),

Gene: Thresher_103 Start: 61292, Stop: 62071, Start Num: 9
Candidate Starts for Thresher_103:
(Start: 7 @61211 has 8 MA's), (Start: 8 @61265 has 40 MA's), (Start: 9 @61292 has 70 MA's), (Start: 10 @61310 has 4 MA's), (12, 61394), (13, 61562), (14, 61577), (15, 61598), (17, 61634), (19, 61646), (20, 61679), (21, 61763), (22, 61769), (23, 61778), (24, 61790), (25, 61814), (26, 61850), (27, 61904), (28, 61907), (30, 62021), (31, 62054),

Gene: Tomaszewski_96 Start: 59856, Stop: 60770, Start Num: 4
Candidate Starts for Tomaszewski_96:
(Start: 4 @59856 has 6 MA's), (Start: 7 @59910 has 8 MA's), (Start: 8 @59964 has 40 MA's), (Start: 9 @59991 has 70 MA's), (Start: 10 @60009 has 4 MA's), (12, 60093), (13, 60261), (14, 60276), (15, 60297), (17, 60333), (19, 60345), (20, 60378), (21, 60462), (22, 60468), (23, 60477), (24, 60489), (25, 60513), (26, 60549), (27, 60603), (28, 60606), (30, 60720), (31, 60753),

Gene: Toto_99 Start: 60749, Stop: 61528, Start Num: 9
Candidate Starts for Toto_99:
(3, 60536), (Start: 4 @60614 has 6 MA's), (Start: 7 @60668 has 8 MA's), (Start: 8 @60722 has 40 MA's), (Start: 9 @60749 has 70 MA's), (Start: 10 @60767 has 4 MA's), (12, 60851), (13, 61019), (14, 61034), (17, 61091), (19, 61103), (20, 61136), (21, 61220), (22, 61226), (23, 61235), (24, 61247), (25, 61271), (26, 61307), (27, 61361), (28, 61364), (30, 61478), (31, 61511),

Gene: Traaww1_97 Start: 59256, Stop: 60035, Start Num: 9
Candidate Starts for Traaww1_97:
(Start: 4 @59121 has 6 MA's), (Start: 7 @59175 has 8 MA's), (Start: 8 @59229 has 40 MA's), (Start: 9 @59256 has 70 MA's), (Start: 10 @59274 has 4 MA's), (12, 59358), (13, 59526), (14, 59541), (15, 59562), (17, 59598), (19, 59610), (20, 59643), (21, 59727), (22, 59733), (23, 59742), (24, 59754), (25, 59778), (26, 59814), (27, 59868), (28, 59871), (30, 59985), (31, 60018),

Gene: Tuco_102 Start: 61587, Stop: 62393, Start Num: 8
Candidate Starts for Tuco_102:
(Start: 4 @61479 has 6 MA's), (Start: 7 @61533 has 8 MA's), (Start: 8 @61587 has 40 MA's), (Start: 9 @61614 has 70 MA's), (Start: 10 @61632 has 4 MA's), (12, 61716), (13, 61884), (14, 61899), (15, 61920), (17, 61956), (19, 61968), (20, 62001), (21, 62085), (22, 62091), (23, 62100), (24, 62112), (25, 62136), (26, 62172), (27, 62226), (28, 62229), (30, 62343), (31, 62376),

Gene: Ukulele_96 Start: 60011, Stop: 60790, Start Num: 9
Candidate Starts for Ukulele_96:
(Start: 4 @59876 has 6 MA's), (Start: 7 @59930 has 8 MA's), (Start: 8 @59984 has 40 MA's), (Start: 9 @60011 has 70 MA's), (Start: 10 @60029 has 4 MA's), (12, 60113), (13, 60281), (14, 60296), (15, 60317), (17, 60353), (19, 60365), (20, 60398), (21, 60482), (22, 60488), (23, 60497), (24, 60509), (25, 60533), (26, 60569), (27, 60623), (28, 60626), (30, 60740), (31, 60773),

Gene: Wiggin_103 Start: 59657, Stop: 60436, Start Num: 9
Candidate Starts for Wiggin_103:
(3, 59444), (Start: 4 @59522 has 6 MA's), (Start: 7 @59576 has 8 MA's), (Start: 8 @59630 has 40 MA's), (Start: 9 @59657 has 70 MA's), (Start: 10 @59675 has 4 MA's), (12, 59759), (13, 59927), (14, 59942), (17, 59999), (19, 60011), (20, 60044), (21, 60128), (22, 60134), (23, 60143), (24, 60155), (25, 60179), (26, 60215), (27, 60269), (28, 60272), (30, 60386), (31, 60419),

Gene: Willez_96 Start: 58752, Stop: 59558, Start Num: 8
Candidate Starts for Willez_96:
(3, 58566), (Start: 4 @58644 has 6 MA's), (Start: 7 @58698 has 8 MA's), (Start: 8 @58752 has 40 MA's), (Start: 9 @58779 has 70 MA's), (Start: 10 @58797 has 4 MA's), (12, 58881), (13, 59049), (14, 59064), (15, 59085), (17, 59121), (19, 59133), (20, 59166), (21, 59250), (22, 59256), (23, 59265), (24, 59277), (25, 59301), (26, 59337), (27, 59391), (28, 59394), (30, 59508), (31, 59541),

Gene: Xandras_100 Start: 59480, Stop: 60259, Start Num: 9
Candidate Starts for Xandras_100:
(Start: 4 @59345 has 6 MA's), (Start: 7 @59399 has 8 MA's), (Start: 8 @59453 has 40 MA's), (Start: 9 @59480 has 70 MA's), (Start: 10 @59498 has 4 MA's), (12, 59582), (13, 59750), (14, 59765), (15, 59786), (17, 59822), (19, 59834), (20, 59867), (21, 59951), (22, 59957), (23, 59966), (24, 59978), (25, 60002), (26, 60038), (27, 60092), (28, 60095), (30, 60209), (31, 60242),

Gene: YassJohnny_98 Start: 58773, Stop: 59579, Start Num: 8
Candidate Starts for YassJohnny_98:
(3, 58587), (Start: 4 @58665 has 6 MA's), (Start: 7 @58719 has 8 MA's), (Start: 8 @58773 has 40 MA's), (Start: 9 @58800 has 70 MA's), (Start: 10 @58818 has 4 MA's), (12, 58902), (13, 59070), (14, 59085), (15, 59106), (17, 59142), (19, 59154), (20, 59187), (21, 59271), (22, 59277), (23, 59286), (24, 59298), (25, 59322), (26, 59358), (27, 59412), (28, 59415), (30, 59529), (31, 59562),

Gene: Youngblood_104 Start: 60923, Stop: 61729, Start Num: 8
Candidate Starts for Youngblood_104:
(3, 60737), (Start: 4 @60815 has 6 MA's), (Start: 7 @60869 has 8 MA's), (Start: 8 @60923 has 40 MA's), (Start: 9 @60950 has 70 MA's), (Start: 10 @60968 has 4 MA's), (12, 61052), (13, 61220), (14, 61235), (15, 61256), (17, 61292), (19, 61304), (20, 61337), (21, 61421), (22, 61427), (23, 61436), (24, 61448), (25, 61472), (26, 61508), (27, 61562), (28, 61565), (30, 61679), (31, 61712),

Gene: xkcd_104 Start: 61134, Stop: 61913, Start Num: 9
Candidate Starts for xkcd_104:
(3, 60921), (Start: 4 @60999 has 6 MA's), (Start: 7 @61053 has 8 MA's), (Start: 8 @61107 has 40 MA's), (Start: 9 @61134 has 70 MA's), (Start: 10 @61152 has 4 MA's), (12, 61236), (13, 61404), (14, 61419), (15, 61440), (17, 61476), (19, 61488), (20, 61521), (21, 61605), (22, 61611), (23, 61620), (24, 61632), (25, 61656), (26, 61692), (27, 61746), (28, 61749), (30, 61863), (31, 61896),