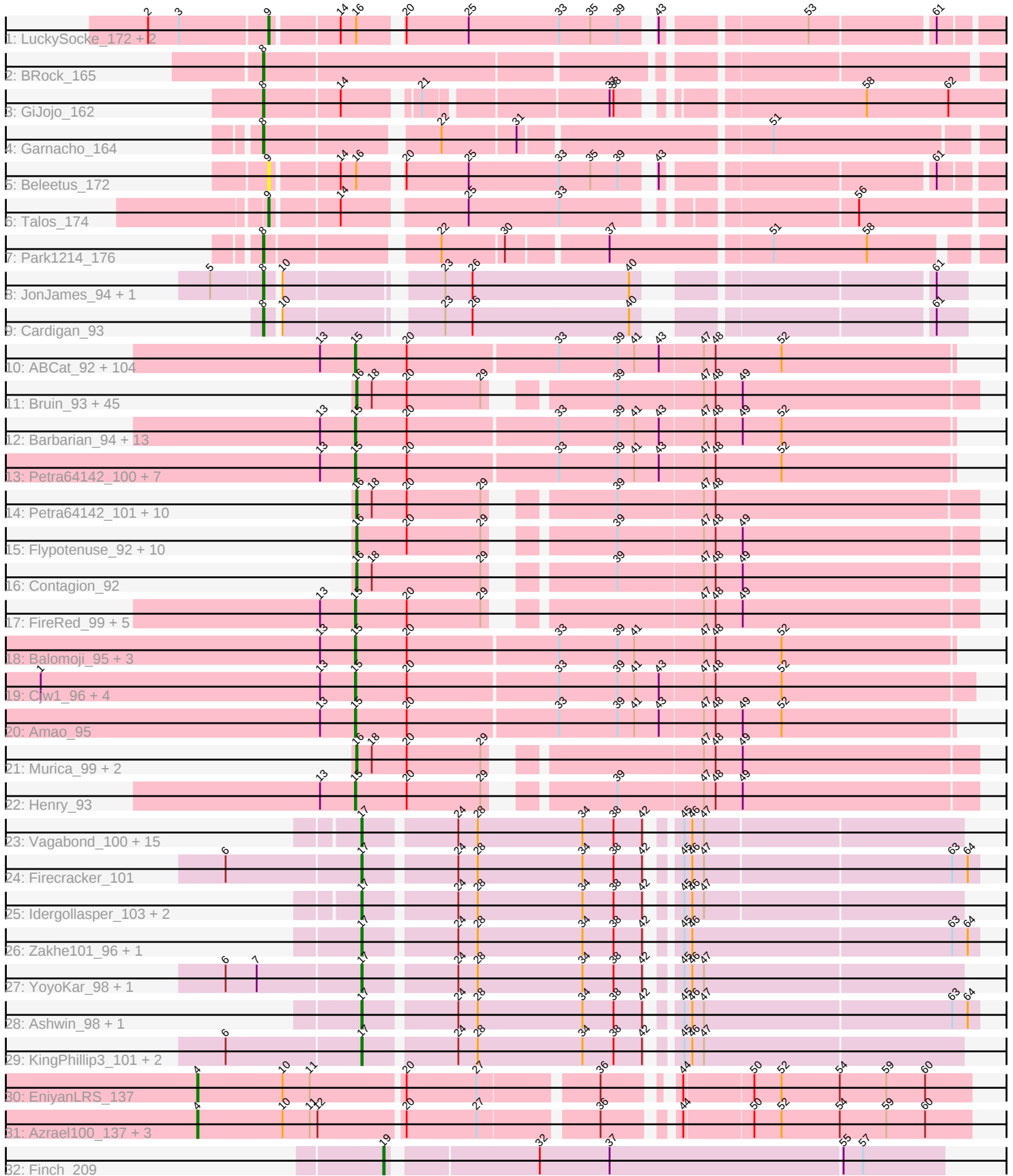


Pham 328616



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 328616 Report

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

Pham number 328616 has 263 members, 18 are drafts.

Phages represented in each track:

- Track 1 : LuckySocke_172, Alone3_174, Fudan_171
- Track 2 : BRock_165
- Track 3 : GiJojo_162
- Track 4 : Garnacho_164
- Track 5 : Beleetus_172
- Track 6 : Talos_174
- Track 7 : Park1214_176
- Track 8 : JonJames_94, Yvonnetastic_92
- Track 9 : Cardigan_93
- Track 10 : ABCat_92, Bruin_92, GoldenSpark_99, HanKaySha_96, ShereKhan_93, Lilpickle_94, Hopey_96, Easy2Say_96, Kanye_92, Thresher_98, Thimble_97, IHOP_93, Ukulele_90, TBrady12_98, Command613_97, Bench_98, Myrale_95, MPhalcon_96, BugsBunny_95, Becksu_94, Filch_97, Qualification_96, Rakim_96, StellaBean_93, Highbury_94, Marshmallow_93, FairyPath_96, Stark_97, Czyszczo1_96, Misfit_96, CrystalP_94, Mindy_94, Holt_100, AmericanBeauty_99, Manda_97, Goku_94, Pumpkin_99, NelitzaMV_93, Mosby_91, Kostya_95, Dumbo_95, Moldemort_98, YassJohnny_92, ShamWow_95, Phaux_98, ChosenOne_95, Hoonter_98, SophKB_92, Gemini_100, Brewer_91, Inca_92, Phaja_93, Stank_97, Youngblood_98, Emmina_95, SirDuracell_95, Tomaszewski_90, BaboJay_95, Eureka_94, Argent26_99, GooberAzure_98, RiverMonster_96, Xandras_94, Ptowny_92, TeardropMSU_91, Sassay_90, Elite2014_94, Murphy_95, BilboSwaggins_93, NonchalantPear_95, Pharsalus_92, Murica_98, Gage_97, Paperbeatsrock_94, Maxxinista_98, MadamMonkfish_95, NoSleep_96, BadStone_92, Lilac_98, Bogg_95, Saints25_94, HuffyPuff_97, Porky_94, Dusk_92, DrDrey_95, Elph10_96, Goldilocks_98, Contagion_91, StolenFromERC_98, Simpliphy_94, PaddyBaddy_96, Toto_93, Greep_99, Nala_97, Lilizi_96, OrionPax_94, Willez_90, MISSy_96, MollyToe_90, xkcd_98, Miniwave_90, Tarkin_94, Kimchi_99, Phrux_93, Terminus_98
- Track 11 : Bruin_93, HanKaySha_97, Hopey_97, Pat3_93, Harella_96, MPhalcon_97, Becksu_95, Gator_94, Rakim_97, Czyszczo1_97, Argent26_100, 244_97, Misfit_97, Mindy_95, Mosby_92, Balomoji_96, Tomaszewski_91, Myrale_96, Kanye_93, GoldenSpark_100, Moldemort_99, Cookies_93, Gemini_101, Brewer_92, Stank_98, Youngblood_99, Simpliphy_95, GooberAzure_99, Xandras_95, MadamMonkfish_96, Ukulele_91, Nala_98, Hoonter_99, Holt_101, Sassay_91, Bench_99, ShereKhan_94, Dumbo_96, Lilizi_97, OrionPax_95, Willez_91, MISSy_97, StolenFromERC_99, Kimchi_100, Gage_98, Terminus_99

- Track 12 : Barbarian_94, Adnama_99, BigBubba_95, Icee_96, Harella_95, Teaspoon_96, Cactus_98, Wiggin_97, Sotrice96_96, Asriel_93, Tuco_96, Flypotenuse_91, Glexan_94, Traaww1_91
- Track 13 : Petra64142_100, DoctorDiddles_94, ChotaBhai_95, Buck_96, Bask21_95, Pat3_92, Daikon_96, StormChicken_97
- Track 14 : Petra64142_101, ChotaBhai_96, DoctorDiddles_95, Amao_96, Rimmer_94, SirDuracell_96, Buck_97, Daikon_97, Bask21_96, TeamEdward_96, StormChicken_98
- Track 15 : Flypotenuse_92, Adnama_100, Barbarian_95, Wiggin_98, Sotrice96_97, Cactus_99, Asriel_94, Tuco_97, Icee_97, Traaww1_92, Glexan_95
- Track 16 : Contagion_92
- Track 17 : FireRed_99, Palpatine_97, Policronamos_98, Nimrod_96, Livelaughbron_97, PhatBacter_99
- Track 18 : Balomoji_95, Gator_93, Cookies_92, FoghornLeghorn_89
- Track 19 : Cjw1_96, 244_96, Rimmer_93, TeamEdward_95, JeTaime_96
- Track 20 : Amao_95
- Track 21 : Murica_99, HufflyPuff_98, xkcd_99
- Track 22 : Henry_93
- Track 23 : Vagabond_100, Familton_102, Mori_101, Blessica_99, NiebruSaylor_101, Schuy_101, Bora_100, Imara_100, Winget_101, Zebo_100, Vorrrps_101, Alkhayr_101, FoulBall_100, Catdawg_102, Murai_101, SchoolBus_100
- Track 24 : Firecracker_101
- Track 25 : Idergollasper_103, Wogge42_98, Krili_103
- Track 26 : Zakhe101_96, Dylan_96
- Track 27 : YoyoKar_98, TelAviv_98
- Track 28 : Ashwin_98, Wildflower_98
- Track 29 : KingPhillip3_101, JangDynasty_97, Shida_103
- Track 30 : EniyanLRS_137
- Track 31 : Azrael100_137, Cosmo_144, MaryV_130, Wildcat_144
- Track 32 : Finch_209

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

The start number called the most often in the published annotations is 15, it was called in 133 of the 245 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- 244_96, ABCat_92, Adnama_99, Amao_95, AmericanBeauty_99, Argent26_99, Asriel_93, BaboJay_95, BadStone_92, Balomoji_95, Barbarian_94, Bask21_95, Becksu_94, Bench_98, BigBubba_95, BilboSwaggins_93, Bogg_95, Brewer_91, Bruin_92, Buck_96, BugsBunny_95, Cactus_98, ChosenOne_95, ChotaBhai_95, Cjw1_96, Command613_97, Contagion_91, Cookies_92, CrystalP_94, Czystczon1_96, Daikon_96, DoctorDiddles_94, DrDrey_95, Dumbo_95, Dusk_92, Easy2Say_96, Elite2014_94, Elph10_96, Emmina_95, Eureka_94, FairyPath_96, Filch_97, FireRed_99, Flypotenuse_91, FoghornLeghorn_89, Gage_97, Gator_93, Gemini_100, Glexan_94, Goku_94, GoldenSpark_99, Goldilocks_98, GooberAzure_98, Greep_99, HanKaySha_96, Harella_95, Henry_93, Highbury_94, Holt_100, Hoonter_98, Hopey_96, HufflyPuff_97, IHOP_93, Icee_96, Inca_92, JeTaime_96, Kanye_92, Kimchi_99, Kostya_95, Lilac_98, Lilizi_96, Lilpickle_94, Livelaughbron_97, MISSy_96, MPhalcon_96, MadamMonkfish_95, Manda_97,

Marshmallow_93, Maxxinista_98, Mindy_94, Miniwave_90, Misfit_96, Moldemort_98, MollyToe_90, Mosby_91, Murica_98, Murphy_95, Myrale_95, Nala_97, NelitzaMV_93, Nimrod_96, NoSleep_96, NonchalantPear_95, OrionPax_94, PaddyBaddy_96, Palpatine_97, Paperbeatsrock_94, Pat3_92, Petra64142_100, Phaja_93, Pharsalus_92, PhatBacter_99, Phaux_98, Phrux_93, Policronamos_98, Porky_94, Ptowny_92, Pumpkin_99, Qualification_96, Rakim_96, Rimmer_93, RiverMonster_96, Saints25_94, Sassay_90, ShamWow_95, ShereKhan_93, Simpliphy_94, SirDuracell_95, SophKB_92, Sotrice96_96, Stank_97, Stark_97, StellaBean_93, StolenFromERC_98, StormChicken_97, TBrady12_98, Tarkin_94, TeamEdward_95, TeardropMSU_91, Teaspoon_96, Terminus_98, Thimble_97, Thresher_98, Tomaszewski_90, Toto_93, Traaww1_91, Tuco_96, Ukulele_90, Wiggin_97, Willez_90, Xandras_94, YassJohnny_92, Youngblood_98, xkcd_98,

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

-

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

- 244_97, Adnama_100, Alkhayr_101, Alone3_174, Amao_96, Argent26_100, Ashwin_98, Asriel_94, Azrael100_137, BRock_165, Balomoji_96, Barbarian_95, Bask21_96, Becksu_95, Beleetus_172, Bench_99, Blessica_99, Bora_100, Brewer_92, Bruin_93, Buck_97, Cactus_99, Cardigan_93, Catdawg_102, ChotaBhai_96, Contagion_92, Cookies_93, Cosmo_144, Czyszczone1_97, Daikon_97, DoctorDiddles_95, Dumbo_96, Dylan_96, EniyanLRS_137, Familton_102, Finch_209, Firecracker_101, Flypotenuse_92, FoulBall_100, Fudan_171, Gage_98, Garnacho_164, Gator_94, Gemini_101, GiJojo_162, Glexan_95, GoldenSpark_100, GooberAzure_99, HanKaySha_97, Harella_96, Holt_101, Hoonter_99, Hopey_97, HufflyPuff_98, Icee_97, Idergollasper_103, Imara_100, JangDynasty_97, JonJames_94, Kanye_93, Kimchi_100, KingPhillip3_101, Krili_103, Lilizi_97, LuckySocke_172, MISSy_97, MPhalcon_97, MadamMonkfish_96, MaryV_130, Mindy_95, Misfit_97, Moldemort_99, Mori_101, Mosby_92, Murai_101, Murica_99, Myrale_96, Nala_98, NiebruSaylor_101, OrionPax_95, Park1214_176, Pat3_93, Petra64142_101, Rakim_97, Rimmer_94, Sassay_91, SchoolBus_100, Schuy_101, ShereKhan_94, Shida_103, Simpliphy_95, SirDuracell_96, Sotrice96_97, Stank_98, StolenFromERC_99, StormChicken_98, Talos_174, TeamEdward_96, TelAviv_98, Terminus_99, Tomaszewski_91, Traaww1_92, Tuco_97, Ukulele_91, Vagabond_100, Vorrrps_101, Wiggin_98, Wildcat_144, Wildflower_98, Willez_91, Winget_101, Wogge42_98, Xandras_95, Youngblood_99, YoyoKar_98, Yvonnetastic_92, Zakhe101_96, Zebo_100, xkcd_99,

Summary by start number:

Start 4:

- Found in 5 of 263 (1.9%) of genes in pham
- Manual Annotations of this start: 5 of 245
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Azrael100_137 (V), Cosmo_144 (V), EniyanLRS_137 (V), MaryV_130 (V), Wildcat_144 (V),

Start 8:

- Found in 7 of 263 (2.7%) of genes in pham
- Manual Annotations of this start: 7 of 245
- Called 100.0% of time when present

- Phage (with cluster) where this start called: BRock_165 (BS), Cardigan_93 (DD), Garnacho_164 (BS), GiJojo_162 (BS), JonJames_94 (DD), Park1214_176 (BS), Yvonnestic_92 (DD),

Start 9:

- Found in 5 of 263 (1.9%) of genes in pham
- Manual Annotations of this start: 4 of 245
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Alone3_174 (BS), Beleetus_172 (BS), Fudan_171 (BS), LuckySocks_172 (BS), Talos_174 (BS),

Start 15:

- Found in 144 of 263 (54.8%) of genes in pham
- Manual Annotations of this start: 133 of 245
- Called 100.0% of time when present
- Phage (with cluster) where this start called: 244_96 (E), ABCat_92 (E), Adnama_99 (E), Amao_95 (E), AmericanBeauty_99 (E), Argent26_99 (E), Asriel_93 (E), BaboJay_95 (E), BadStone_92 (E), Balomoji_95 (E), Barbarian_94 (E), Bask21_95 (E), Becksu_94 (E), Bench_98 (E), BigBubba_95 (E), BilboSwaggins_93 (E), Bogg_95 (E), Brewer_91 (E), Bruin_92 (E), Buck_96 (E), BugsBunny_95 (E), Cactus_98 (E), ChosenOne_95 (E), ChotaBhai_95 (E), Cjw1_96 (E), Command613_97 (E), Contagion_91 (E), Cookies_92 (E), CrystalP_94 (E), Czystczon1_96 (E), Daikon_96 (E), DoctorDiddles_94 (E), DrDrey_95 (E), Dumbo_95 (E), Dusk_92 (E), Easy2Say_96 (E), Elite2014_94 (E), Elph10_96 (E), Emmina_95 (E), Eureka_94 (E), FairyPath_96 (E), Filch_97 (E), FireRed_99 (E), Flypotenuse_91 (E), FoghornLeghorn_89 (E), Gage_97 (E), Gator_93 (E), Gemini_100 (E), Glexan_94 (E), Goku_94 (E), GoldenSpark_99 (E), Goldilocks_98 (E), GooberAzure_98 (E), Greep_99 (E), HankaySha_96 (E), Harella_95 (E), Henry_93 (E), Highbury_94 (E), Holt_100 (E), Hoonter_98 (E), Hopey_96 (E), HufflyPuff_97 (E), IHOP_93 (E), Icee_96 (E), Inca_92 (E), JeTaime_96 (E), Kanye_92 (E), Kimchi_99 (E), Kostya_95 (E), Lilac_98 (E), Lilizi_96 (E), Lilpickle_94 (E), Liveloughbron_97 (E), MISSy_96 (E), MPhalcon_96 (E), MadamMonkfish_95 (E), Manda_97 (E), Marshmallow_93 (E), Maxxinista_98 (E), Mindy_94 (E), Miniwave_90 (E), Misfit_96 (E), Moldemort_98 (E), MollyToe_90 (E), Mosby_91 (E), Murica_98 (E), Murphy_95 (E), Myrale_95 (E), Nala_97 (E), NelitzaMV_93 (E), Nimrod_96 (E), NoSleep_96 (E), NonchalantPear_95 (E), OrionPax_94 (E), PaddyBaddy_96 (E), Palpatine_97 (E), Paperbeatsrock_94 (E), Pat3_92 (E), Petra64142_100 (E), Phaja_93 (E), Pharsalus_92 (E), PhatBacter_99 (E), Phaux_98 (E), Phrux_93 (E), Policronamos_98 (E), Porky_94 (E), Ptowny_92 (E), Pumpkin_99 (E), Quallification_96 (E), Rakim_96 (E), Rimmer_93 (E), RiverMonster_96 (E), Saints25_94 (E), Sassay_90 (E), ShamWow_95 (E), ShereKhan_93 (E), Simpliphy_94 (E), SirDuracell_95 (E), SophKB_92 (E), Sotrice96_96 (E), Stank_97 (E), Stark_97 (E), StellaBean_93 (E), StolenFromERC_98 (E), StormChicken_97 (E), TBrady12_98 (E), Tarkin_94 (E), TeamEdward_95 (E), TeardropMSU_91 (E), Teaspoon_96 (E), Terminus_98 (E), Thimble_97 (E), Thresher_98 (E), Tomaszewski_90 (E), Toto_93 (E), Traaww1_91 (E), Tuco_96 (E), Ukulele_90 (E), Wiggin_97 (E), Willez_90 (E), Xandras_94 (E), YassJohnny_92 (E), Youngblood_98 (E), xkcd_98 (E),

Start 16:

- Found in 76 of 263 (28.9%) of genes in pham
- Manual Annotations of this start: 68 of 245
- Called 94.7% of time when present

- Phage (with cluster) where this start called: 244_97 (E), Adnama_100 (E), Amao_96 (E), Argent26_100 (E), Asriel_94 (E), Balomoji_96 (E), Barbarian_95 (E), Bask21_96 (E), Becksu_95 (E), Bench_99 (E), Brewer_92 (E), Bruin_93 (E), Buck_97 (E), Cactus_99 (E), ChotaBhai_96 (E), Contagion_92 (E), Cookies_93 (E), Czystczon1_97 (E), Daikon_97 (E), DoctorDiddles_95 (E), Dumbo_96 (E), Flypotenuse_92 (E), Gage_98 (E), Gator_94 (E), Gemini_101 (E), Glexan_95 (E), GoldenSpark_100 (E), GooberAzure_99 (E), HanKaySha_97 (E), Harella_96 (E), Holt_101 (E), Hoonter_99 (E), Hopey_97 (E), HufflyPuff_98 (E), Icee_97 (E), Kanye_93 (E), Kimchi_100 (E), Lilizi_97 (E), MISSy_97 (E), MPhalcon_97 (E), MadamMonkfish_96 (E), Mindy_95 (E), Misfit_97 (E), Moldemort_99 (E), Mosby_92 (E), Murica_99 (E), Myrale_96 (E), Nala_98 (E), OrionPax_95 (E), Pat3_93 (E), Petra64142_101 (E), Rakim_97 (E), Rimmer_94 (E), Sassay_91 (E), ShereKhan_94 (E), Simpliphy_95 (E), SirDuracell_96 (E), Sotrice96_97 (E), Stank_98 (E), StolenFromERC_99 (E), StormChicken_98 (E), TeamEdward_96 (E), Terminus_99 (E), Tomaszewski_91 (E), Traaww1_92 (E), Tuco_97 (E), Ukulele_91 (E), Wigglin_98 (E), Willez_91 (E), Xandras_95 (E), Youngblood_99 (E), xkcd_99 (E),

Start 17:

- Found in 29 of 263 (11.0%) of genes in pham
- Manual Annotations of this start: 27 of 245
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Alkhayr_101 (O), Ashwin_98 (O), Blessica_99 (O), Bora_100 (O), Catdawg_102 (O), Dylan_96 (O), Familton_102 (O), Firecracker_101 (O), FoulBall_100 (O), Idergollasper_103 (O), Imara_100 (O), JangDynasty_97 (O), KingPhillip3_101 (O), Krili_103 (O), Mori_101 (O), Murai_101 (O), NiebruSaylor_101 (O), SchoolBus_100 (O), Schuy_101 (O), Shida_103 (O), TelAviv_98 (O), Vagabond_100 (O), Vorrrs_101 (O), Wildflower_98 (O), Winget_101 (O), Wogge42_98 (O), YoyoKar_98 (O), Zakhe101_96 (O), Zebo_100 (O),

Start 19:

- Found in 1 of 263 (0.4%) of genes in pham
- Manual Annotations of this start: 1 of 245
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Finch_209 (singleton),

Summary by clusters:

There are 6 clusters represented in this pham: singleton, E, DD, V, O, BS,

Info for manual annotations of cluster BS:

- Start number 8 was manually annotated 4 times for cluster BS.
- Start number 9 was manually annotated 4 times for cluster BS.

Info for manual annotations of cluster DD:

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

Info for manual annotations of cluster E:

- Start number 15 was manually annotated 133 times for cluster E.
- Start number 16 was manually annotated 68 times for cluster E.

Info for manual annotations of cluster O:

- Start number 17 was manually annotated 27 times for cluster O.

Info for manual annotations of cluster V:

- Start number 4 was manually annotated 5 times for cluster V.

Gene Information:

Gene: 244_97 Start: 57329, Stop: 57772, Start Num: 16

Candidate Starts for 244_97:

(Start: 16 @57329 has 68 MA's), (18, 57341), (20, 57368), (29, 57425), (39, 57500), (47, 57563), (48, 57572), (49, 57593),

Gene: 244_96 Start: 56873, Stop: 57325, Start Num: 15

Candidate Starts for 244_96:

(1, 56630), (13, 56846), (Start: 15 @56873 has 133 MA's), (20, 56912), (33, 57026), (39, 57071), (41, 57083), (43, 57101), (47, 57134), (48, 57143), (52, 57194),

Gene: ABCat_92 Start: 57560, Stop: 58012, Start Num: 15

Candidate Starts for ABCat_92:

(13, 57533), (Start: 15 @57560 has 133 MA's), (20, 57599), (33, 57713), (39, 57758), (41, 57770), (43, 57788), (47, 57821), (48, 57830), (52, 57881),

Gene: Adnama_99 Start: 57168, Stop: 57620, Start Num: 15

Candidate Starts for Adnama_99:

(13, 57141), (Start: 15 @57168 has 133 MA's), (20, 57207), (33, 57321), (39, 57366), (41, 57378), (43, 57396), (47, 57429), (48, 57438), (49, 57459), (52, 57489),

Gene: Adnama_100 Start: 57624, Stop: 58067, Start Num: 16

Candidate Starts for Adnama_100:

(Start: 16 @57624 has 68 MA's), (20, 57663), (29, 57720), (39, 57795), (47, 57858), (48, 57867), (49, 57888),

Gene: Alkhayr_101 Start: 62112, Stop: 61681, Start Num: 17

Candidate Starts for Alkhayr_101:

(Start: 17 @62112 has 27 MA's), (24, 62046), (28, 62031), (34, 61950), (38, 61926), (42, 61905), (45, 61890), (46, 61884), (47, 61875),

Gene: Alone3_174 Start: 90396, Stop: 90902, Start Num: 9

Candidate Starts for Alone3_174:

(2, 90306), (3, 90330), (Start: 9 @90396 has 4 MA's), (14, 90444), (Start: 16 @90456 has 68 MA's), (20, 90483), (25, 90531), (33, 90600), (35, 90624), (39, 90645), (43, 90663), (53, 90762), (61, 90852),

Gene: Amao_96 Start: 57137, Stop: 57580, Start Num: 16

Candidate Starts for Amao_96:

(Start: 16 @57137 has 68 MA's), (18, 57149), (20, 57176), (29, 57233), (39, 57308), (47, 57371), (48, 57380),

Gene: Amao_95 Start: 56681, Stop: 57133, Start Num: 15

Candidate Starts for Amao_95:

(13, 56654), (Start: 15 @56681 has 133 MA's), (20, 56720), (33, 56834), (39, 56879), (41, 56891), (43, 56909), (47, 56942), (48, 56951), (49, 56972), (52, 57002),

Gene: AmericanBeauty_99 Start: 57729, Stop: 58181, Start Num: 15

Candidate Starts for AmericanBeauty_99:

(13, 57702), (Start: 15 @57729 has 133 MA's), (20, 57768), (33, 57882), (39, 57927), (41, 57939), (43, 57957), (47, 57990), (48, 57999), (52, 58050),

Gene: Argent26_100 Start: 57545, Stop: 57991, Start Num: 16

Candidate Starts for Argent26_100:

(Start: 16 @57545 has 68 MA's), (18, 57557), (20, 57584), (29, 57641), (39, 57716), (47, 57779), (48, 57788), (49, 57809),

Gene: Argent26_99 Start: 57089, Stop: 57541, Start Num: 15

Candidate Starts for Argent26_99:

(13, 57062), (Start: 15 @57089 has 133 MA's), (20, 57128), (33, 57242), (39, 57287), (41, 57299), (43, 57317), (47, 57350), (48, 57359), (52, 57410),

Gene: Ashwin_98 Start: 61339, Stop: 60893, Start Num: 17

Candidate Starts for Ashwin_98:

(Start: 17 @61339 has 27 MA's), (24, 61273), (28, 61258), (34, 61177), (38, 61153), (42, 61132), (45, 61117), (46, 61111), (47, 61102), (63, 60913), (64, 60901),

Gene: Asriel_94 Start: 55961, Stop: 56404, Start Num: 16

Candidate Starts for Asriel_94:

(Start: 16 @55961 has 68 MA's), (20, 56000), (29, 56057), (39, 56132), (47, 56195), (48, 56204), (49, 56225),

Gene: Asriel_93 Start: 55505, Stop: 55957, Start Num: 15

Candidate Starts for Asriel_93:

(13, 55478), (Start: 15 @55505 has 133 MA's), (20, 55544), (33, 55658), (39, 55703), (41, 55715), (43, 55733), (47, 55766), (48, 55775), (49, 55796), (52, 55826),

Gene: Azrael100_137 Start: 67846, Stop: 67289, Start Num: 4

Candidate Starts for Azrael100_137:

(Start: 4 @67846 has 5 MA's), (10, 67780), (11, 67759), (12, 67753), (20, 67690), (27, 67636), (36, 67552), (44, 67507), (50, 67456), (52, 67435), (54, 67390), (59, 67354), (60, 67324),

Gene: BRock_165 Start: 85734, Stop: 86285, Start Num: 8

Candidate Starts for BRock_165:

(Start: 8 @85734 has 7 MA's),

Gene: BaboJay_95 Start: 57751, Stop: 58203, Start Num: 15

Candidate Starts for BaboJay_95:

(13, 57724), (Start: 15 @57751 has 133 MA's), (20, 57790), (33, 57904), (39, 57949), (41, 57961), (43, 57979), (47, 58012), (48, 58021), (52, 58072),

Gene: BadStone_92 Start: 57129, Stop: 57581, Start Num: 15

Candidate Starts for BadStone_92:

(13, 57102), (Start: 15 @57129 has 133 MA's), (20, 57168), (33, 57282), (39, 57327), (41, 57339), (43, 57357), (47, 57390), (48, 57399), (52, 57450),

Gene: Balomoji_95 Start: 57288, Stop: 57740, Start Num: 15

Candidate Starts for Balomoji_95:

(13, 57261), (Start: 15 @57288 has 133 MA's), (20, 57327), (33, 57441), (39, 57486), (41, 57498), (47, 57549), (48, 57558), (52, 57609),

Gene: Balomoji_96 Start: 57744, Stop: 58187, Start Num: 16

Candidate Starts for Balomoji_96:

(Start: 16 @57744 has 68 MA's), (18, 57756), (20, 57783), (29, 57840), (39, 57915), (47, 57978), (48, 57987), (49, 58008),

Gene: Barbarian_94 Start: 55505, Stop: 55957, Start Num: 15

Candidate Starts for Barbarian_94:

(13, 55478), (Start: 15 @55505 has 133 MA's), (20, 55544), (33, 55658), (39, 55703), (41, 55715), (43, 55733), (47, 55766), (48, 55775), (49, 55796), (52, 55826),

Gene: Barbarian_95 Start: 55961, Stop: 56404, Start Num: 16

Candidate Starts for Barbarian_95:

(Start: 16 @55961 has 68 MA's), (20, 56000), (29, 56057), (39, 56132), (47, 56195), (48, 56204), (49, 56225),

Gene: Bask21_95 Start: 56141, Stop: 56593, Start Num: 15

Candidate Starts for Bask21_95:

(13, 56114), (Start: 15 @56141 has 133 MA's), (20, 56180), (33, 56294), (39, 56339), (41, 56351), (43, 56369), (47, 56402), (48, 56411), (52, 56462),

Gene: Bask21_96 Start: 56597, Stop: 57043, Start Num: 16

Candidate Starts for Bask21_96:

(Start: 16 @56597 has 68 MA's), (18, 56609), (20, 56636), (29, 56693), (39, 56768), (47, 56831), (48, 56840),

Gene: Becksu_95 Start: 57937, Stop: 58380, Start Num: 16

Candidate Starts for Becksu_95:

(Start: 16 @57937 has 68 MA's), (18, 57949), (20, 57976), (29, 58033), (39, 58108), (47, 58171), (48, 58180), (49, 58201),

Gene: Becksu_94 Start: 57481, Stop: 57933, Start Num: 15

Candidate Starts for Becksu_94:

(13, 57454), (Start: 15 @57481 has 133 MA's), (20, 57520), (33, 57634), (39, 57679), (41, 57691), (43, 57709), (47, 57742), (48, 57751), (52, 57802),

Gene: Beleetus_172 Start: 89060, Stop: 89566, Start Num: 9

Candidate Starts for Beleetus_172:

(Start: 9 @89060 has 4 MA's), (14, 89108), (Start: 16 @89120 has 68 MA's), (20, 89147), (25, 89195), (33, 89264), (35, 89288), (39, 89309), (43, 89327), (61, 89516),

Gene: Bench_98 Start: 57224, Stop: 57676, Start Num: 15

Candidate Starts for Bench_98:

(13, 57197), (Start: 15 @57224 has 133 MA's), (20, 57263), (33, 57377), (39, 57422), (41, 57434), (43, 57452), (47, 57485), (48, 57494), (52, 57545),

Gene: Bench_99 Start: 57680, Stop: 58123, Start Num: 16

Candidate Starts for Bench_99:

(Start: 16 @57680 has 68 MA's), (18, 57692), (20, 57719), (29, 57776), (39, 57851), (47, 57914), (48, 57923), (49, 57944),

Gene: BigBubba_95 Start: 56521, Stop: 56973, Start Num: 15

Candidate Starts for BigBubba_95:

(13, 56494), (Start: 15 @56521 has 133 MA's), (20, 56560), (33, 56674), (39, 56719), (41, 56731), (43, 56749), (47, 56782), (48, 56791), (49, 56812), (52, 56842),

Gene: BilboSwaggins_93 Start: 57526, Stop: 57978, Start Num: 15

Candidate Starts for BilboSwaggins_93:

(13, 57499), (Start: 15 @57526 has 133 MA's), (20, 57565), (33, 57679), (39, 57724), (41, 57736), (43, 57754), (47, 57787), (48, 57796), (52, 57847),

Gene: Blessica_99 Start: 62320, Stop: 61889, Start Num: 17

Candidate Starts for Blessica_99:

(Start: 17 @62320 has 27 MA's), (24, 62254), (28, 62239), (34, 62158), (38, 62134), (42, 62113), (45, 62098), (46, 62092), (47, 62083),

Gene: Bogg_95 Start: 56439, Stop: 56891, Start Num: 15

Candidate Starts for Bogg_95:

(13, 56412), (Start: 15 @56439 has 133 MA's), (20, 56478), (33, 56592), (39, 56637), (41, 56649), (43, 56667), (47, 56700), (48, 56709), (52, 56760),

Gene: Bora_100 Start: 63162, Stop: 62731, Start Num: 17

Candidate Starts for Bora_100:

(Start: 17 @63162 has 27 MA's), (24, 63096), (28, 63081), (34, 63000), (38, 62976), (42, 62955), (45, 62940), (46, 62934), (47, 62925),

Gene: Brewer_91 Start: 56026, Stop: 56478, Start Num: 15

Candidate Starts for Brewer_91:

(13, 55999), (Start: 15 @56026 has 133 MA's), (20, 56065), (33, 56179), (39, 56224), (41, 56236), (43, 56254), (47, 56287), (48, 56296), (52, 56347),

Gene: Brewer_92 Start: 56482, Stop: 56925, Start Num: 16

Candidate Starts for Brewer_92:

(Start: 16 @56482 has 68 MA's), (18, 56494), (20, 56521), (29, 56578), (39, 56653), (47, 56716), (48, 56725), (49, 56746),

Gene: Bruin_93 Start: 56559, Stop: 57002, Start Num: 16

Candidate Starts for Bruin_93:

(Start: 16 @56559 has 68 MA's), (18, 56571), (20, 56598), (29, 56655), (39, 56730), (47, 56793), (48, 56802), (49, 56823),

Gene: Bruin_92 Start: 56103, Stop: 56555, Start Num: 15

Candidate Starts for Bruin_92:

(13, 56076), (Start: 15 @56103 has 133 MA's), (20, 56142), (33, 56256), (39, 56301), (41, 56313), (43, 56331), (47, 56364), (48, 56373), (52, 56424),

Gene: Buck_97 Start: 58249, Stop: 58692, Start Num: 16

Candidate Starts for Buck_97:

(Start: 16 @58249 has 68 MA's), (18, 58261), (20, 58288), (29, 58345), (39, 58420), (47, 58483), (48, 58492),

Gene: Buck_96 Start: 57793, Stop: 58245, Start Num: 15

Candidate Starts for Buck_96:

(13, 57766), (Start: 15 @57793 has 133 MA's), (20, 57832), (33, 57946), (39, 57991), (41, 58003), (43, 58021), (47, 58054), (48, 58063), (52, 58114),

Gene: BugsBunny_95 Start: 57632, Stop: 58102, Start Num: 15

Candidate Starts for BugsBunny_95:

(13, 57605), (Start: 15 @57632 has 133 MA's), (20, 57671), (33, 57785), (39, 57830), (41, 57842), (43, 57860), (47, 57893), (48, 57902), (52, 57953),

Gene: Cactus_98 Start: 56169, Stop: 56621, Start Num: 15

Candidate Starts for Cactus_98:

(13, 56142), (Start: 15 @56169 has 133 MA's), (20, 56208), (33, 56322), (39, 56367), (41, 56379), (43, 56397), (47, 56430), (48, 56439), (49, 56460), (52, 56490),

Gene: Cactus_99 Start: 56625, Stop: 57068, Start Num: 16

Candidate Starts for Cactus_99:

(Start: 16 @56625 has 68 MA's), (20, 56664), (29, 56721), (39, 56796), (47, 56859), (48, 56868), (49, 56889),

Gene: Cardigan_93 Start: 57149, Stop: 57616, Start Num: 8

Candidate Starts for Cardigan_93:

(Start: 8 @57149 has 7 MA's), (10, 57158), (23, 57263), (26, 57284), (40, 57401), (61, 57593),

Gene: Catdawg_102 Start: 63432, Stop: 63001, Start Num: 17

Candidate Starts for Catdawg_102:

(Start: 17 @63432 has 27 MA's), (24, 63366), (28, 63351), (34, 63270), (38, 63246), (42, 63225), (45, 63210), (46, 63204), (47, 63195),

Gene: ChosenOne_95 Start: 56584, Stop: 57036, Start Num: 15

Candidate Starts for ChosenOne_95:

(13, 56557), (Start: 15 @56584 has 133 MA's), (20, 56623), (33, 56737), (39, 56782), (41, 56794), (43, 56812), (47, 56845), (48, 56854), (52, 56905),

Gene: ChotaBhai_95 Start: 56506, Stop: 56958, Start Num: 15

Candidate Starts for ChotaBhai_95:

(13, 56479), (Start: 15 @56506 has 133 MA's), (20, 56545), (33, 56659), (39, 56704), (41, 56716), (43, 56734), (47, 56767), (48, 56776), (52, 56827),

Gene: ChotaBhai_96 Start: 56962, Stop: 57405, Start Num: 16

Candidate Starts for ChotaBhai_96:

(Start: 16 @56962 has 68 MA's), (18, 56974), (20, 57001), (29, 57058), (39, 57133), (47, 57196), (48, 57205),

Gene: Cjw1_96 Start: 58549, Stop: 59016, Start Num: 15

Candidate Starts for Cjw1_96:

(1, 58306), (13, 58522), (Start: 15 @58549 has 133 MA's), (20, 58588), (33, 58702), (39, 58747), (41, 58759), (43, 58777), (47, 58810), (48, 58819), (52, 58870),

Gene: Command613_97 Start: 57623, Stop: 58075, Start Num: 15

Candidate Starts for Command613_97:

(13, 57596), (Start: 15 @57623 has 133 MA's), (20, 57662), (33, 57776), (39, 57821), (41, 57833), (43, 57851), (47, 57884), (48, 57893), (52, 57944),

Gene: Contagion_92 Start: 56840, Stop: 57283, Start Num: 16

Candidate Starts for Contagion_92:

(Start: 16 @56840 has 68 MA's), (18, 56852), (29, 56936), (39, 57011), (47, 57074), (48, 57083), (49, 57104),

Gene: Contagion_91 Start: 56384, Stop: 56836, Start Num: 15

Candidate Starts for Contagion_91:

(13, 56357), (Start: 15 @56384 has 133 MA's), (20, 56423), (33, 56537), (39, 56582), (41, 56594), (43, 56612), (47, 56645), (48, 56654), (52, 56705),

Gene: Cookies_92 Start: 56363, Stop: 56815, Start Num: 15

Candidate Starts for Cookies_92:

(13, 56336), (Start: 15 @56363 has 133 MA's), (20, 56402), (33, 56516), (39, 56561), (41, 56573), (47, 56624), (48, 56633), (52, 56684),

Gene: Cookies_93 Start: 56819, Stop: 57262, Start Num: 16

Candidate Starts for Cookies_93:

(Start: 16 @56819 has 68 MA's), (18, 56831), (20, 56858), (29, 56915), (39, 56990), (47, 57053), (48, 57062), (49, 57083),

Gene: Cosmo_144 Start: 68009, Stop: 67452, Start Num: 4

Candidate Starts for Cosmo_144:

(Start: 4 @68009 has 5 MA's), (10, 67943), (11, 67922), (12, 67916), (20, 67853), (27, 67799), (36, 67715), (44, 67670), (50, 67619), (52, 67598), (54, 67553), (59, 67517), (60, 67487),

Gene: CrystalP_94 Start: 57526, Stop: 57978, Start Num: 15

Candidate Starts for CrystalP_94:

(13, 57499), (Start: 15 @57526 has 133 MA's), (20, 57565), (33, 57679), (39, 57724), (41, 57736), (43, 57754), (47, 57787), (48, 57796), (52, 57847),

Gene: Czyszczone1_96 Start: 57087, Stop: 57539, Start Num: 15

Candidate Starts for Czyszczone1_96:

(13, 57060), (Start: 15 @57087 has 133 MA's), (20, 57126), (33, 57240), (39, 57285), (41, 57297), (43, 57315), (47, 57348), (48, 57357), (52, 57408),

Gene: Czyszczone1_97 Start: 57543, Stop: 57986, Start Num: 16

Candidate Starts for Czyszczone1_97:

(Start: 16 @57543 has 68 MA's), (18, 57555), (20, 57582), (29, 57639), (39, 57714), (47, 57777), (48, 57786), (49, 57807),

Gene: Daikon_97 Start: 57571, Stop: 58014, Start Num: 16

Candidate Starts for Daikon_97:

(Start: 16 @57571 has 68 MA's), (18, 57583), (20, 57610), (29, 57667), (39, 57742), (47, 57805), (48, 57814),

Gene: Daikon_96 Start: 57115, Stop: 57567, Start Num: 15

Candidate Starts for Daikon_96:

(13, 57088), (Start: 15 @57115 has 133 MA's), (20, 57154), (33, 57268), (39, 57313), (41, 57325), (43, 57343), (47, 57376), (48, 57385), (52, 57436),

Gene: DoctorDiddles_94 Start: 56550, Stop: 57002, Start Num: 15

Candidate Starts for DoctorDiddles_94:

(13, 56523), (Start: 15 @56550 has 133 MA's), (20, 56589), (33, 56703), (39, 56748), (41, 56760), (43, 56778), (47, 56811), (48, 56820), (52, 56871),

Gene: DoctorDiddles_95 Start: 57006, Stop: 57449, Start Num: 16

Candidate Starts for DoctorDiddles_95:

(Start: 16 @57006 has 68 MA's), (18, 57018), (20, 57045), (29, 57102), (39, 57177), (47, 57240), (48, 57249),

Gene: DrDrey_95 Start: 58006, Stop: 58458, Start Num: 15

Candidate Starts for DrDrey_95:

(13, 57979), (Start: 15 @58006 has 133 MA's), (20, 58045), (33, 58159), (39, 58204), (41, 58216), (43, 58234), (47, 58267), (48, 58276), (52, 58327),

Gene: Dumbo_95 Start: 56486, Stop: 56938, Start Num: 15

Candidate Starts for Dumbo_95:

(13, 56459), (Start: 15 @56486 has 133 MA's), (20, 56525), (33, 56639), (39, 56684), (41, 56696), (43, 56714), (47, 56747), (48, 56756), (52, 56807),

Gene: Dumbo_96 Start: 56942, Stop: 57385, Start Num: 16

Candidate Starts for Dumbo_96:

(Start: 16 @56942 has 68 MA's), (18, 56954), (20, 56981), (29, 57038), (39, 57113), (47, 57176), (48, 57185), (49, 57206),

Gene: Dusk_92 Start: 56789, Stop: 57241, Start Num: 15

Candidate Starts for Dusk_92:

(13, 56762), (Start: 15 @56789 has 133 MA's), (20, 56828), (33, 56942), (39, 56987), (41, 56999), (43, 57017), (47, 57050), (48, 57059), (52, 57110),

Gene: Dylan_96 Start: 61072, Stop: 60626, Start Num: 17

Candidate Starts for Dylan_96:

(Start: 17 @61072 has 27 MA's), (24, 61006), (28, 60991), (34, 60910), (38, 60886), (42, 60865), (45, 60850), (46, 60844), (63, 60646), (64, 60634),

Gene: Easy2Say_96 Start: 57988, Stop: 58458, Start Num: 15

Candidate Starts for Easy2Say_96:

(13, 57961), (Start: 15 @57988 has 133 MA's), (20, 58027), (33, 58141), (39, 58186), (41, 58198), (43, 58216), (47, 58249), (48, 58258), (52, 58309),

Gene: Elite2014_94 Start: 56583, Stop: 57035, Start Num: 15

Candidate Starts for Elite2014_94:

(13, 56556), (Start: 15 @56583 has 133 MA's), (20, 56622), (33, 56736), (39, 56781), (41, 56793), (43, 56811), (47, 56844), (48, 56853), (52, 56904),

Gene: Elph10_96 Start: 56576, Stop: 57046, Start Num: 15

Candidate Starts for Elph10_96:

(13, 56549), (Start: 15 @56576 has 133 MA's), (20, 56615), (33, 56729), (39, 56774), (41, 56786), (43, 56804), (47, 56837), (48, 56846), (52, 56897),

Gene: Emmina_95 Start: 56209, Stop: 56661, Start Num: 15

Candidate Starts for Emmina_95:

(13, 56182), (Start: 15 @56209 has 133 MA's), (20, 56248), (33, 56362), (39, 56407), (41, 56419), (43, 56437), (47, 56470), (48, 56479), (52, 56530),

Gene: EniyanLRS_137 Start: 68351, Stop: 67797, Start Num: 4

Candidate Starts for EniyanLRS_137:

(Start: 4 @68351 has 5 MA's), (10, 68285), (11, 68264), (20, 68195), (27, 68141), (36, 68057), (44, 68015), (50, 67964), (52, 67943), (54, 67898), (59, 67862), (60, 67832),

Gene: Eureka_94 Start: 57496, Stop: 57948, Start Num: 15

Candidate Starts for Eureka_94:

(13, 57469), (Start: 15 @57496 has 133 MA's), (20, 57535), (33, 57649), (39, 57694), (41, 57706), (43, 57724), (47, 57757), (48, 57766), (52, 57817),

Gene: FairyPath_96 Start: 57702, Stop: 58154, Start Num: 15

Candidate Starts for FairyPath_96:

(13, 57675), (Start: 15 @57702 has 133 MA's), (20, 57741), (33, 57855), (39, 57900), (41, 57912), (43, 57930), (47, 57963), (48, 57972), (52, 58023),

Gene: Familton_102 Start: 62844, Stop: 62413, Start Num: 17

Candidate Starts for Familton_102:

(Start: 17 @62844 has 27 MA's), (24, 62778), (28, 62763), (34, 62682), (38, 62658), (42, 62637), (45, 62622), (46, 62616), (47, 62607),

Gene: Filch_97 Start: 56781, Stop: 57233, Start Num: 15

Candidate Starts for Filch_97:

(13, 56754), (Start: 15 @56781 has 133 MA's), (20, 56820), (33, 56934), (39, 56979), (41, 56991), (43, 57009), (47, 57042), (48, 57051), (52, 57102),

Gene: Finch_209 Start: 121773, Stop: 122186, Start Num: 19

Candidate Starts for Finch_209:

(Start: 19 @121773 has 1 MA's), (32, 121878), (37, 121932), (55, 122109), (57, 122124),

Gene: FireRed_99 Start: 57799, Stop: 58242, Start Num: 15

Candidate Starts for FireRed_99:

(13, 57772), (Start: 15 @57799 has 133 MA's), (20, 57838), (29, 57895), (47, 58033), (48, 58042), (49, 58063),

Gene: Firecracker_101 Start: 62707, Stop: 62264, Start Num: 17

Candidate Starts for Firecracker_101:

(6, 62809), (Start: 17 @62707 has 27 MA's), (24, 62641), (28, 62626), (34, 62545), (38, 62521), (42, 62500), (45, 62485), (46, 62479), (47, 62470), (63, 62284), (64, 62272),

Gene: Flypotenuse_92 Start: 56615, Stop: 57058, Start Num: 16

Candidate Starts for Flypotenuse_92:

(Start: 16 @56615 has 68 MA's), (20, 56654), (29, 56711), (39, 56786), (47, 56849), (48, 56858), (49, 56879),

Gene: Flypotenuse_91 Start: 56159, Stop: 56611, Start Num: 15

Candidate Starts for Flypotenuse_91:

(13, 56132), (Start: 15 @56159 has 133 MA's), (20, 56198), (33, 56312), (39, 56357), (41, 56369), (43, 56387), (47, 56420), (48, 56429), (49, 56450), (52, 56480),

Gene: FoghornLeghorn_89 Start: 55185, Stop: 55637, Start Num: 15

Candidate Starts for FoghornLeghorn_89:

(13, 55158), (Start: 15 @55185 has 133 MA's), (20, 55224), (33, 55338), (39, 55383), (41, 55395), (47, 55446), (48, 55455), (52, 55506),

Gene: FoulBall_100 Start: 62395, Stop: 61964, Start Num: 17

Candidate Starts for FoulBall_100:

(Start: 17 @62395 has 27 MA's), (24, 62329), (28, 62314), (34, 62233), (38, 62209), (42, 62188), (45, 62173), (46, 62167), (47, 62158),

Gene: Fudan_171 Start: 88952, Stop: 89458, Start Num: 9

Candidate Starts for Fudan_171:

(2, 88862), (3, 88886), (Start: 9 @88952 has 4 MA's), (14, 89000), (Start: 16 @89012 has 68 MA's), (20, 89039), (25, 89087), (33, 89156), (35, 89180), (39, 89201), (43, 89219), (53, 89318), (61, 89408),

Gene: Gage_97 Start: 57230, Stop: 57682, Start Num: 15

Candidate Starts for Gage_97:

(13, 57203), (Start: 15 @57230 has 133 MA's), (20, 57269), (33, 57383), (39, 57428), (41, 57440), (43, 57458), (47, 57491), (48, 57500), (52, 57551),

Gene: Gage_98 Start: 57686, Stop: 58129, Start Num: 16

Candidate Starts for Gage_98:

(Start: 16 @57686 has 68 MA's), (18, 57698), (20, 57725), (29, 57782), (39, 57857), (47, 57920), (48, 57929), (49, 57950),

Gene: Garnacho_164 Start: 88706, Stop: 89239, Start Num: 8

Candidate Starts for Garnacho_164:

(Start: 8 @88706 has 7 MA's), (22, 88826), (31, 88880), (51, 89060),

Gene: Gator_93 Start: 57015, Stop: 57467, Start Num: 15

Candidate Starts for Gator_93:

(13, 56988), (Start: 15 @57015 has 133 MA's), (20, 57054), (33, 57168), (39, 57213), (41, 57225), (47, 57276), (48, 57285), (52, 57336),

Gene: Gator_94 Start: 57471, Stop: 57914, Start Num: 16

Candidate Starts for Gator_94:

(Start: 16 @57471 has 68 MA's), (18, 57483), (20, 57510), (29, 57567), (39, 57642), (47, 57705), (48, 57714), (49, 57735),

Gene: Gemini_100 Start: 57606, Stop: 58058, Start Num: 15

Candidate Starts for Gemini_100:

(13, 57579), (Start: 15 @57606 has 133 MA's), (20, 57645), (33, 57759), (39, 57804), (41, 57816), (43, 57834), (47, 57867), (48, 57876), (52, 57927),

Gene: Gemini_101 Start: 58062, Stop: 58508, Start Num: 16

Candidate Starts for Gemini_101:

(Start: 16 @58062 has 68 MA's), (18, 58074), (20, 58101), (29, 58158), (39, 58233), (47, 58296), (48, 58305), (49, 58326),

Gene: GiJojo_162 Start: 89485, Stop: 90018, Start Num: 8

Candidate Starts for GiJojo_162:

(Start: 8 @89485 has 7 MA's), (14, 89542), (21, 89590), (37, 89719), (38, 89722), (58, 89884), (62, 89947),

Gene: Glexan_94 Start: 57289, Stop: 57741, Start Num: 15

Candidate Starts for Glexan_94:

(13, 57262), (Start: 15 @57289 has 133 MA's), (20, 57328), (33, 57442), (39, 57487), (41, 57499), (43, 57517), (47, 57550), (48, 57559), (49, 57580), (52, 57610),

Gene: Glexan_95 Start: 57745, Stop: 58188, Start Num: 16

Candidate Starts for Glexan_95:

(Start: 16 @57745 has 68 MA's), (20, 57784), (29, 57841), (39, 57916), (47, 57979), (48, 57988), (49, 58009),

Gene: Goku_94 Start: 57225, Stop: 57677, Start Num: 15

Candidate Starts for Goku_94:

(13, 57198), (Start: 15 @57225 has 133 MA's), (20, 57264), (33, 57378), (39, 57423), (41, 57435), (43, 57453), (47, 57486), (48, 57495), (52, 57546),

Gene: GoldenSpark_99 Start: 57089, Stop: 57541, Start Num: 15

Candidate Starts for GoldenSpark_99:

(13, 57062), (Start: 15 @57089 has 133 MA's), (20, 57128), (33, 57242), (39, 57287), (41, 57299), (43, 57317), (47, 57350), (48, 57359), (52, 57410),

Gene: GoldenSpark_100 Start: 57545, Stop: 57991, Start Num: 16

Candidate Starts for GoldenSpark_100:

(Start: 16 @57545 has 68 MA's), (18, 57557), (20, 57584), (29, 57641), (39, 57716), (47, 57779), (48, 57788), (49, 57809),

Gene: Goldilocks_98 Start: 56447, Stop: 56899, Start Num: 15

Candidate Starts for Goldilocks_98:

(13, 56420), (Start: 15 @56447 has 133 MA's), (20, 56486), (33, 56600), (39, 56645), (41, 56657), (43, 56675), (47, 56708), (48, 56717), (52, 56768),

Gene: GooberAzure_98 Start: 57089, Stop: 57541, Start Num: 15

Candidate Starts for GooberAzure_98:

(13, 57062), (Start: 15 @57089 has 133 MA's), (20, 57128), (33, 57242), (39, 57287), (41, 57299), (43, 57317), (47, 57350), (48, 57359), (52, 57410),

Gene: GooberAzure_99 Start: 57545, Stop: 57991, Start Num: 16

Candidate Starts for GooberAzure_99:

(Start: 16 @57545 has 68 MA's), (18, 57557), (20, 57584), (29, 57641), (39, 57716), (47, 57779), (48, 57788), (49, 57809),

Gene: Greep_99 Start: 58363, Stop: 58815, Start Num: 15

Candidate Starts for Greep_99:

(13, 58336), (Start: 15 @58363 has 133 MA's), (20, 58402), (33, 58516), (39, 58561), (41, 58573), (43, 58591), (47, 58624), (48, 58633), (52, 58684),

Gene: HanKaySha_97 Start: 57112, Stop: 57555, Start Num: 16

Candidate Starts for HanKaySha_97:

(Start: 16 @57112 has 68 MA's), (18, 57124), (20, 57151), (29, 57208), (39, 57283), (47, 57346), (48, 57355), (49, 57376),

Gene: HanKaySha_96 Start: 56656, Stop: 57108, Start Num: 15

Candidate Starts for HanKaySha_96:

(13, 56629), (Start: 15 @56656 has 133 MA's), (20, 56695), (33, 56809), (39, 56854), (41, 56866), (43, 56884), (47, 56917), (48, 56926), (52, 56977),

Gene: Harella_96 Start: 58261, Stop: 58704, Start Num: 16

Candidate Starts for Harella_96:

(Start: 16 @58261 has 68 MA's), (18, 58273), (20, 58300), (29, 58357), (39, 58432), (47, 58495), (48, 58504), (49, 58525),

Gene: Harella_95 Start: 57805, Stop: 58257, Start Num: 15

Candidate Starts for Harella_95:

(13, 57778), (Start: 15 @57805 has 133 MA's), (20, 57844), (33, 57958), (39, 58003), (41, 58015), (43, 58033), (47, 58066), (48, 58075), (49, 58096), (52, 58126),

Gene: Henry_93 Start: 56966, Stop: 57409, Start Num: 15

Candidate Starts for Henry_93:

(13, 56939), (Start: 15 @56966 has 133 MA's), (20, 57005), (29, 57062), (39, 57137), (47, 57200), (48, 57209), (49, 57230),

Gene: Highbury_94 Start: 56656, Stop: 57126, Start Num: 15

Candidate Starts for Highbury_94:

(13, 56629), (Start: 15 @56656 has 133 MA's), (20, 56695), (33, 56809), (39, 56854), (41, 56866), (43, 56884), (47, 56917), (48, 56926), (52, 56977),

Gene: Holt_100 Start: 57503, Stop: 57955, Start Num: 15

Candidate Starts for Holt_100:

(13, 57476), (Start: 15 @57503 has 133 MA's), (20, 57542), (33, 57656), (39, 57701), (41, 57713), (43, 57731), (47, 57764), (48, 57773), (52, 57824),

Gene: Holt_101 Start: 57959, Stop: 58405, Start Num: 16

Candidate Starts for Holt_101:

(Start: 16 @57959 has 68 MA's), (18, 57971), (20, 57998), (29, 58055), (39, 58130), (47, 58193), (48, 58202), (49, 58223),

Gene: Hoonter_98 Start: 56961, Stop: 57413, Start Num: 15

Candidate Starts for Hoonter_98:

(13, 56934), (Start: 15 @56961 has 133 MA's), (20, 57000), (33, 57114), (39, 57159), (41, 57171), (43, 57189), (47, 57222), (48, 57231), (52, 57282),

Gene: Hoonter_99 Start: 57417, Stop: 57860, Start Num: 16

Candidate Starts for Hoonter_99:

(Start: 16 @57417 has 68 MA's), (18, 57429), (20, 57456), (29, 57513), (39, 57588), (47, 57651), (48, 57660), (49, 57681),

Gene: Hopey_96 Start: 57467, Stop: 57919, Start Num: 15

Candidate Starts for Hopey_96:

(13, 57440), (Start: 15 @57467 has 133 MA's), (20, 57506), (33, 57620), (39, 57665), (41, 57677), (43, 57695), (47, 57728), (48, 57737), (52, 57788),

Gene: Hopey_97 Start: 57923, Stop: 58366, Start Num: 16

Candidate Starts for Hopey_97:

(Start: 16 @57923 has 68 MA's), (18, 57935), (20, 57962), (29, 58019), (39, 58094), (47, 58157), (48, 58166), (49, 58187),

Gene: HuffyPuff_97 Start: 57551, Stop: 58003, Start Num: 15

Candidate Starts for HuffyPuff_97:

(13, 57524), (Start: 15 @57551 has 133 MA's), (20, 57590), (33, 57704), (39, 57749), (41, 57761), (43, 57779), (47, 57812), (48, 57821), (52, 57872),

Gene: HuffyPuff_98 Start: 58007, Stop: 58450, Start Num: 16

Candidate Starts for HuffyPuff_98:

(Start: 16 @58007 has 68 MA's), (18, 58019), (20, 58046), (29, 58103), (47, 58241), (48, 58250), (49, 58271),

Gene: IHOP_93 Start: 57129, Stop: 57581, Start Num: 15

Candidate Starts for IHOP_93:

(13, 57102), (Start: 15 @57129 has 133 MA's), (20, 57168), (33, 57282), (39, 57327), (41, 57339), (43, 57357), (47, 57390), (48, 57399), (52, 57450),

Gene: Icee_96 Start: 56616, Stop: 57068, Start Num: 15

Candidate Starts for Icee_96:

(13, 56589), (Start: 15 @56616 has 133 MA's), (20, 56655), (33, 56769), (39, 56814), (41, 56826), (43, 56844), (47, 56877), (48, 56886), (49, 56907), (52, 56937),

Gene: Icee_97 Start: 57072, Stop: 57515, Start Num: 16

Candidate Starts for Icee_97:

(Start: 16 @57072 has 68 MA's), (20, 57111), (29, 57168), (39, 57243), (47, 57306), (48, 57315), (49, 57336),

Gene: Idergollasper_103 Start: 63392, Stop: 62961, Start Num: 17

Candidate Starts for Idergollasper_103:

(Start: 17 @63392 has 27 MA's), (24, 63326), (28, 63311), (34, 63230), (38, 63206), (42, 63185), (45, 63170), (46, 63164), (47, 63155),

Gene: Imara_100 Start: 62198, Stop: 61767, Start Num: 17

Candidate Starts for Imara_100:

(Start: 17 @62198 has 27 MA's), (24, 62132), (28, 62117), (34, 62036), (38, 62012), (42, 61991), (45, 61976), (46, 61970), (47, 61961),

Gene: Inca_92 Start: 55618, Stop: 56070, Start Num: 15

Candidate Starts for Inca_92:

(13, 55591), (Start: 15 @55618 has 133 MA's), (20, 55657), (33, 55771), (39, 55816), (41, 55828), (43, 55846), (47, 55879), (48, 55888), (52, 55939),

Gene: JangDynasty_97 Start: 61738, Stop: 61307, Start Num: 17

Candidate Starts for JangDynasty_97:

(6, 61840), (Start: 17 @61738 has 27 MA's), (24, 61672), (28, 61657), (34, 61576), (38, 61552), (42, 61531), (45, 61516), (46, 61510), (47, 61501),

Gene: JeTaime_96 Start: 57820, Stop: 58290, Start Num: 15

Candidate Starts for JeTaime_96:

(1, 57577), (13, 57793), (Start: 15 @57820 has 133 MA's), (20, 57859), (33, 57973), (39, 58018), (41, 58030), (43, 58048), (47, 58081), (48, 58090), (52, 58141),

Gene: JonJames_94 Start: 57342, Stop: 57809, Start Num: 8

Candidate Starts for JonJames_94:

(5, 57303), (Start: 8 @57342 has 7 MA's), (10, 57351), (23, 57456), (26, 57477), (40, 57594), (61, 57786),

Gene: Kanye_92 Start: 56713, Stop: 57165, Start Num: 15

Candidate Starts for Kanye_92:

(13, 56686), (Start: 15 @56713 has 133 MA's), (20, 56752), (33, 56866), (39, 56911), (41, 56923), (43, 56941), (47, 56974), (48, 56983), (52, 57034),

Gene: Kanye_93 Start: 57169, Stop: 57612, Start Num: 16

Candidate Starts for Kanye_93:

(Start: 16 @57169 has 68 MA's), (18, 57181), (20, 57208), (29, 57265), (39, 57340), (47, 57403), (48, 57412), (49, 57433),

Gene: Kimchi_99 Start: 57233, Stop: 57685, Start Num: 15

Candidate Starts for Kimchi_99:

(13, 57206), (Start: 15 @57233 has 133 MA's), (20, 57272), (33, 57386), (39, 57431), (41, 57443), (43, 57461), (47, 57494), (48, 57503), (52, 57554),

Gene: Kimchi_100 Start: 57689, Stop: 58132, Start Num: 16

Candidate Starts for Kimchi_100:

(Start: 16 @57689 has 68 MA's), (18, 57701), (20, 57728), (29, 57785), (39, 57860), (47, 57923), (48, 57932), (49, 57953),

Gene: KingPhillip3_101 Start: 63095, Stop: 62661, Start Num: 17

Candidate Starts for KingPhillip3_101:

(6, 63197), (Start: 17 @63095 has 27 MA's), (24, 63029), (28, 63014), (34, 62933), (38, 62909), (42, 62888), (45, 62873), (46, 62867), (47, 62858),

Gene: Kostya_95 Start: 57231, Stop: 57683, Start Num: 15

Candidate Starts for Kostya_95:

(13, 57204), (Start: 15 @57231 has 133 MA's), (20, 57270), (33, 57384), (39, 57429), (41, 57441), (43, 57459), (47, 57492), (48, 57501), (52, 57552),

Gene: Krili_103 Start: 62941, Stop: 62510, Start Num: 17

Candidate Starts for Krili_103:

(Start: 17 @62941 has 27 MA's), (24, 62875), (28, 62860), (34, 62779), (38, 62755), (42, 62734), (45, 62719), (46, 62713), (47, 62704),

Gene: Lilac_98 Start: 57058, Stop: 57528, Start Num: 15

Candidate Starts for Lilac_98:

(13, 57031), (Start: 15 @57058 has 133 MA's), (20, 57097), (33, 57211), (39, 57256), (41, 57268), (43, 57286), (47, 57319), (48, 57328), (52, 57379),

Gene: Lilizi_97 Start: 57151, Stop: 57594, Start Num: 16

Candidate Starts for Lilizi_97:

(Start: 16 @57151 has 68 MA's), (18, 57163), (20, 57190), (29, 57247), (39, 57322), (47, 57385), (48, 57394), (49, 57415),

Gene: Lilizi_96 Start: 56695, Stop: 57147, Start Num: 15

Candidate Starts for Lilizi_96:

(13, 56668), (Start: 15 @56695 has 133 MA's), (20, 56734), (33, 56848), (39, 56893), (41, 56905), (43, 56923), (47, 56956), (48, 56965), (52, 57016),

Gene: Lilpickle_94 Start: 56583, Stop: 57035, Start Num: 15

Candidate Starts for Lilpickle_94:

(13, 56556), (Start: 15 @56583 has 133 MA's), (20, 56622), (33, 56736), (39, 56781), (41, 56793), (43, 56811), (47, 56844), (48, 56853), (52, 56904),

Gene: Livelaughbron_97 Start: 58158, Stop: 58601, Start Num: 15

Candidate Starts for Livelaughbron_97:

(13, 58131), (Start: 15 @58158 has 133 MA's), (20, 58197), (29, 58254), (47, 58392), (48, 58401), (49, 58422),

Gene: LuckySocke_172 Start: 88901, Stop: 89407, Start Num: 9

Candidate Starts for LuckySocke_172:

(2, 88811), (3, 88835), (Start: 9 @88901 has 4 MA's), (14, 88949), (Start: 16 @88961 has 68 MA's), (20, 88988), (25, 89036), (33, 89105), (35, 89129), (39, 89150), (43, 89168), (53, 89267), (61, 89357),

Gene: MISSy_96 Start: 56811, Stop: 57263, Start Num: 15

Candidate Starts for MISSy_96:

(13, 56784), (Start: 15 @56811 has 133 MA's), (20, 56850), (33, 56964), (39, 57009), (41, 57021), (43, 57039), (47, 57072), (48, 57081), (52, 57132),

Gene: MISSy_97 Start: 57267, Stop: 57710, Start Num: 16

Candidate Starts for MISSy_97:

(Start: 16 @57267 has 68 MA's), (18, 57279), (20, 57306), (29, 57363), (39, 57438), (47, 57501), (48, 57510), (49, 57531),

Gene: MPhalcon_96 Start: 56804, Stop: 57256, Start Num: 15

Candidate Starts for MPhalcon_96:

(13, 56777), (Start: 15 @56804 has 133 MA's), (20, 56843), (33, 56957), (39, 57002), (41, 57014), (43, 57032), (47, 57065), (48, 57074), (52, 57125),

Gene: MPhalcon_97 Start: 57260, Stop: 57703, Start Num: 16

Candidate Starts for MPhalcon_97:

(Start: 16 @57260 has 68 MA's), (18, 57272), (20, 57299), (29, 57356), (39, 57431), (47, 57494), (48, 57503), (49, 57524),

Gene: MadamMonkfish_96 Start: 56766, Stop: 57209, Start Num: 16

Candidate Starts for MadamMonkfish_96:

(Start: 16 @56766 has 68 MA's), (18, 56778), (20, 56805), (29, 56862), (39, 56937), (47, 57000), (48, 57009), (49, 57030),

Gene: MadamMonkfish_95 Start: 56310, Stop: 56762, Start Num: 15

Candidate Starts for MadamMonkfish_95:

(13, 56283), (Start: 15 @56310 has 133 MA's), (20, 56349), (33, 56463), (39, 56508), (41, 56520), (43, 56538), (47, 56571), (48, 56580), (52, 56631),

Gene: Manda_97 Start: 58387, Stop: 58839, Start Num: 15

Candidate Starts for Manda_97:

(13, 58360), (Start: 15 @58387 has 133 MA's), (20, 58426), (33, 58540), (39, 58585), (41, 58597), (43, 58615), (47, 58648), (48, 58657), (52, 58708),

Gene: Marshmallow_93 Start: 57859, Stop: 58329, Start Num: 15

Candidate Starts for Marshmallow_93:

(13, 57832), (Start: 15 @57859 has 133 MA's), (20, 57898), (33, 58012), (39, 58057), (41, 58069), (43, 58087), (47, 58120), (48, 58129), (52, 58180),

Gene: MaryV_130 Start: 66197, Stop: 65640, Start Num: 4

Candidate Starts for MaryV_130:

(Start: 4 @66197 has 5 MA's), (10, 66131), (11, 66110), (12, 66104), (20, 66041), (27, 65987), (36, 65903), (44, 65858), (50, 65807), (52, 65786), (54, 65741), (59, 65705), (60, 65675),

Gene: Maxxinista_98 Start: 57225, Stop: 57695, Start Num: 15

Candidate Starts for Maxxinista_98:

(13, 57198), (Start: 15 @57225 has 133 MA's), (20, 57264), (33, 57378), (39, 57423), (41, 57435), (43, 57453), (47, 57486), (48, 57495), (52, 57546),

Gene: Mindy_94 Start: 56132, Stop: 56584, Start Num: 15

Candidate Starts for Mindy_94:

(13, 56105), (Start: 15 @56132 has 133 MA's), (20, 56171), (33, 56285), (39, 56330), (41, 56342), (43, 56360), (47, 56393), (48, 56402), (52, 56453),

Gene: Mindy_95 Start: 56588, Stop: 57031, Start Num: 16

Candidate Starts for Mindy_95:

(Start: 16 @56588 has 68 MA's), (18, 56600), (20, 56627), (29, 56684), (39, 56759), (47, 56822), (48, 56831), (49, 56852),

Gene: Miniwave_90 Start: 56627, Stop: 57079, Start Num: 15

Candidate Starts for Miniwave_90:

(13, 56600), (Start: 15 @56627 has 133 MA's), (20, 56666), (33, 56780), (39, 56825), (41, 56837), (43, 56855), (47, 56888), (48, 56897), (52, 56948),

Gene: Misfit_96 Start: 58101, Stop: 58553, Start Num: 15

Candidate Starts for Misfit_96:

(13, 58074), (Start: 15 @58101 has 133 MA's), (20, 58140), (33, 58254), (39, 58299), (41, 58311), (43, 58329), (47, 58362), (48, 58371), (52, 58422),

Gene: Misfit_97 Start: 58557, Stop: 59000, Start Num: 16

Candidate Starts for Misfit_97:

(Start: 16 @58557 has 68 MA's), (18, 58569), (20, 58596), (29, 58653), (39, 58728), (47, 58791), (48, 58800), (49, 58821),

Gene: Moldemort_98 Start: 56768, Stop: 57220, Start Num: 15

Candidate Starts for Moldemort_98:

(13, 56741), (Start: 15 @56768 has 133 MA's), (20, 56807), (33, 56921), (39, 56966), (41, 56978), (43, 56996), (47, 57029), (48, 57038), (52, 57089),

Gene: Moldemort_99 Start: 57224, Stop: 57667, Start Num: 16

Candidate Starts for Moldemort_99:

(Start: 16 @57224 has 68 MA's), (18, 57236), (20, 57263), (29, 57320), (39, 57395), (47, 57458), (48, 57467), (49, 57488),

Gene: MollyToe_90 Start: 55650, Stop: 56102, Start Num: 15

Candidate Starts for MollyToe_90:

(13, 55623), (Start: 15 @55650 has 133 MA's), (20, 55689), (33, 55803), (39, 55848), (41, 55860), (43, 55878), (47, 55911), (48, 55920), (52, 55971),

Gene: Mori_101 Start: 62970, Stop: 62539, Start Num: 17

Candidate Starts for Mori_101:

(Start: 17 @62970 has 27 MA's), (24, 62904), (28, 62889), (34, 62808), (38, 62784), (42, 62763), (45, 62748), (46, 62742), (47, 62733),

Gene: Mosby_92 Start: 56840, Stop: 57283, Start Num: 16

Candidate Starts for Mosby_92:

(Start: 16 @56840 has 68 MA's), (18, 56852), (20, 56879), (29, 56936), (39, 57011), (47, 57074), (48, 57083), (49, 57104),

Gene: Mosby_91 Start: 56384, Stop: 56836, Start Num: 15

Candidate Starts for Mosby_91:

(13, 56357), (Start: 15 @56384 has 133 MA's), (20, 56423), (33, 56537), (39, 56582), (41, 56594), (43, 56612), (47, 56645), (48, 56654), (52, 56705),

Gene: Murai_101 Start: 62818, Stop: 62387, Start Num: 17

Candidate Starts for Murai_101:

(Start: 17 @62818 has 27 MA's), (24, 62752), (28, 62737), (34, 62656), (38, 62632), (42, 62611), (45, 62596), (46, 62590), (47, 62581),

Gene: Murica_99 Start: 58483, Stop: 58926, Start Num: 16

Candidate Starts for Murica_99:

(Start: 16 @58483 has 68 MA's), (18, 58495), (20, 58522), (29, 58579), (47, 58717), (48, 58726), (49, 58747),

Gene: Murica_98 Start: 58027, Stop: 58479, Start Num: 15

Candidate Starts for Murica_98:

(13, 58000), (Start: 15 @58027 has 133 MA's), (20, 58066), (33, 58180), (39, 58225), (41, 58237), (43, 58255), (47, 58288), (48, 58297), (52, 58348),

Gene: Murphy_95 Start: 57468, Stop: 57920, Start Num: 15

Candidate Starts for Murphy_95:

(13, 57441), (Start: 15 @57468 has 133 MA's), (20, 57507), (33, 57621), (39, 57666), (41, 57678), (43, 57696), (47, 57729), (48, 57738), (52, 57789),

Gene: Myrale_95 Start: 57590, Stop: 58042, Start Num: 15

Candidate Starts for Myrale_95:

(13, 57563), (Start: 15 @57590 has 133 MA's), (20, 57629), (33, 57743), (39, 57788), (41, 57800), (43, 57818), (47, 57851), (48, 57860), (52, 57911),

Gene: Myrale_96 Start: 58046, Stop: 58489, Start Num: 16

Candidate Starts for Myrale_96:

(Start: 16 @58046 has 68 MA's), (18, 58058), (20, 58085), (29, 58142), (39, 58217), (47, 58280), (48, 58289), (49, 58310),

Gene: Nala_98 Start: 57769, Stop: 58212, Start Num: 16

Candidate Starts for Nala_98:

(Start: 16 @57769 has 68 MA's), (18, 57781), (20, 57808), (29, 57865), (39, 57940), (47, 58003), (48, 58012), (49, 58033),

Gene: Nala_97 Start: 57313, Stop: 57765, Start Num: 15

Candidate Starts for Nala_97:

(13, 57286), (Start: 15 @57313 has 133 MA's), (20, 57352), (33, 57466), (39, 57511), (41, 57523), (43, 57541), (47, 57574), (48, 57583), (52, 57634),

Gene: NelitzaMV_93 Start: 56673, Stop: 57125, Start Num: 15

Candidate Starts for NelitzaMV_93:

(13, 56646), (Start: 15 @56673 has 133 MA's), (20, 56712), (33, 56826), (39, 56871), (41, 56883), (43, 56901), (47, 56934), (48, 56943), (52, 56994),

Gene: NiebruSaylor_101 Start: 62085, Stop: 61654, Start Num: 17

Candidate Starts for NiebruSaylor_101:

(Start: 17 @62085 has 27 MA's), (24, 62019), (28, 62004), (34, 61923), (38, 61899), (42, 61878), (45, 61863), (46, 61857), (47, 61848),

Gene: Nimrod_96 Start: 58016, Stop: 58456, Start Num: 15

Candidate Starts for Nimrod_96:

(13, 57989), (Start: 15 @58016 has 133 MA's), (20, 58055), (29, 58112), (47, 58250), (48, 58259), (49, 58280),

Gene: NoSleep_96 Start: 56650, Stop: 57102, Start Num: 15

Candidate Starts for NoSleep_96:

(13, 56623), (Start: 15 @56650 has 133 MA's), (20, 56689), (33, 56803), (39, 56848), (41, 56860), (43, 56878), (47, 56911), (48, 56920), (52, 56971),

Gene: NonchalantPear_95 Start: 56506, Stop: 56958, Start Num: 15

Candidate Starts for NonchalantPear_95:

(13, 56479), (Start: 15 @56506 has 133 MA's), (20, 56545), (33, 56659), (39, 56704), (41, 56716), (43, 56734), (47, 56767), (48, 56776), (52, 56827),

Gene: OrionPax_94 Start: 56401, Stop: 56853, Start Num: 15

Candidate Starts for OrionPax_94:

(13, 56374), (Start: 15 @56401 has 133 MA's), (20, 56440), (33, 56554), (39, 56599), (41, 56611), (43, 56629), (47, 56662), (48, 56671), (52, 56722),

Gene: OrionPax_95 Start: 56857, Stop: 57300, Start Num: 16

Candidate Starts for OrionPax_95:

(Start: 16 @56857 has 68 MA's), (18, 56869), (20, 56896), (29, 56953), (39, 57028), (47, 57091), (48, 57100), (49, 57121),

Gene: PaddyBaddy_96 Start: 56949, Stop: 57419, Start Num: 15

Candidate Starts for PaddyBaddy_96:

(13, 56922), (Start: 15 @56949 has 133 MA's), (20, 56988), (33, 57102), (39, 57147), (41, 57159), (43, 57177), (47, 57210), (48, 57219), (52, 57270),

Gene: Palpatine_97 Start: 58054, Stop: 58497, Start Num: 15

Candidate Starts for Palpatine_97:

(13, 58027), (Start: 15 @58054 has 133 MA's), (20, 58093), (29, 58150), (47, 58288), (48, 58297), (49, 58318),

Gene: Paperbeatsrock_94 Start: 57305, Stop: 57757, Start Num: 15

Candidate Starts for Paperbeatsrock_94:

(13, 57278), (Start: 15 @57305 has 133 MA's), (20, 57344), (33, 57458), (39, 57503), (41, 57515), (43, 57533), (47, 57566), (48, 57575), (52, 57626),

Gene: Park1214_176 Start: 90265, Stop: 90783, Start Num: 8

Candidate Starts for Park1214_176:

(Start: 8 @90265 has 7 MA's), (22, 90382), (30, 90427), (37, 90499), (51, 90616), (58, 90688),

Gene: Pat3_93 Start: 55960, Stop: 56406, Start Num: 16

Candidate Starts for Pat3_93:

(Start: 16 @55960 has 68 MA's), (18, 55972), (20, 55999), (29, 56056), (39, 56131), (47, 56194), (48, 56203), (49, 56224),

Gene: Pat3_92 Start: 55504, Stop: 55956, Start Num: 15

Candidate Starts for Pat3_92:

(13, 55477), (Start: 15 @55504 has 133 MA's), (20, 55543), (33, 55657), (39, 55702), (41, 55714), (43, 55732), (47, 55765), (48, 55774), (52, 55825),

Gene: Petra64142_100 Start: 58509, Stop: 58961, Start Num: 15

Candidate Starts for Petra64142_100:

(13, 58482), (Start: 15 @58509 has 133 MA's), (20, 58548), (33, 58662), (39, 58707), (41, 58719), (43, 58737), (47, 58770), (48, 58779), (52, 58830),

Gene: Petra64142_101 Start: 58965, Stop: 59408, Start Num: 16

Candidate Starts for Petra64142_101:

(Start: 16 @58965 has 68 MA's), (18, 58977), (20, 59004), (29, 59061), (39, 59136), (47, 59199), (48, 59208),

Gene: Phaja_93 Start: 57131, Stop: 57583, Start Num: 15

Candidate Starts for Phaja_93:

(13, 57104), (Start: 15 @57131 has 133 MA's), (20, 57170), (33, 57284), (39, 57329), (41, 57341), (43, 57359), (47, 57392), (48, 57401), (52, 57452),

Gene: Pharsalus_92 Start: 57105, Stop: 57557, Start Num: 15

Candidate Starts for Pharsalus_92:

(13, 57078), (Start: 15 @57105 has 133 MA's), (20, 57144), (33, 57258), (39, 57303), (41, 57315), (43, 57333), (47, 57366), (48, 57375), (52, 57426),

Gene: PhatBacter_99 Start: 57799, Stop: 58242, Start Num: 15

Candidate Starts for PhatBacter_99:

(13, 57772), (Start: 15 @57799 has 133 MA's), (20, 57838), (29, 57895), (47, 58033), (48, 58042), (49, 58063),

Gene: Phaux_98 Start: 58341, Stop: 58811, Start Num: 15

Candidate Starts for Phaux_98:

(13, 58314), (Start: 15 @58341 has 133 MA's), (20, 58380), (33, 58494), (39, 58539), (41, 58551), (43, 58569), (47, 58602), (48, 58611), (52, 58662),

Gene: Phrux_93 Start: 56617, Stop: 57087, Start Num: 15

Candidate Starts for Phrux_93:

(13, 56590), (Start: 15 @56617 has 133 MA's), (20, 56656), (33, 56770), (39, 56815), (41, 56827), (43, 56845), (47, 56878), (48, 56887), (52, 56938),

Gene: Policronamos_98 Start: 58072, Stop: 58515, Start Num: 15

Candidate Starts for Policronamos_98:

(13, 58045), (Start: 15 @58072 has 133 MA's), (20, 58111), (29, 58168), (47, 58306), (48, 58315), (49, 58336),

Gene: Porky_94 Start: 56217, Stop: 56669, Start Num: 15

Candidate Starts for Porky_94:

(13, 56190), (Start: 15 @56217 has 133 MA's), (20, 56256), (33, 56370), (39, 56415), (41, 56427), (43, 56445), (47, 56478), (48, 56487), (52, 56538),

Gene: Ptowny_92 Start: 55967, Stop: 56419, Start Num: 15

Candidate Starts for Ptowny_92:

(13, 55940), (Start: 15 @55967 has 133 MA's), (20, 56006), (33, 56120), (39, 56165), (41, 56177), (43, 56195), (47, 56228), (48, 56237), (52, 56288),

Gene: Pumpkin_99 Start: 57993, Stop: 58463, Start Num: 15

Candidate Starts for Pumpkin_99:

(13, 57966), (Start: 15 @57993 has 133 MA's), (20, 58032), (33, 58146), (39, 58191), (41, 58203), (43, 58221), (47, 58254), (48, 58263), (52, 58314),

Gene: Quallification_96 Start: 57713, Stop: 58165, Start Num: 15

Candidate Starts for Quallification_96:

(13, 57686), (Start: 15 @57713 has 133 MA's), (20, 57752), (33, 57866), (39, 57911), (41, 57923), (43, 57941), (47, 57974), (48, 57983), (52, 58034),

Gene: Rakim_97 Start: 57498, Stop: 57941, Start Num: 16

Candidate Starts for Rakim_97:

(Start: 16 @57498 has 68 MA's), (18, 57510), (20, 57537), (29, 57594), (39, 57669), (47, 57732), (48, 57741), (49, 57762),

Gene: Rakim_96 Start: 57042, Stop: 57494, Start Num: 15

Candidate Starts for Rakim_96:

(13, 57015), (Start: 15 @57042 has 133 MA's), (20, 57081), (33, 57195), (39, 57240), (41, 57252), (43, 57270), (47, 57303), (48, 57312), (52, 57363),

Gene: Rimmer_94 Start: 57071, Stop: 57517, Start Num: 16

Candidate Starts for Rimmer_94:

(Start: 16 @57071 has 68 MA's), (18, 57083), (20, 57110), (29, 57167), (39, 57242), (47, 57305), (48, 57314),

Gene: Rimmer_93 Start: 56615, Stop: 57067, Start Num: 15

Candidate Starts for Rimmer_93:

(1, 56372), (13, 56588), (Start: 15 @56615 has 133 MA's), (20, 56654), (33, 56768), (39, 56813), (41, 56825), (43, 56843), (47, 56876), (48, 56885), (52, 56936),

Gene: RiverMonster_96 Start: 57513, Stop: 57983, Start Num: 15

Candidate Starts for RiverMonster_96:

(13, 57486), (Start: 15 @57513 has 133 MA's), (20, 57552), (33, 57666), (39, 57711), (41, 57723), (43, 57741), (47, 57774), (48, 57783), (52, 57834),

Gene: Saints25_94 Start: 56656, Stop: 57126, Start Num: 15

Candidate Starts for Saints25_94:

(13, 56629), (Start: 15 @56656 has 133 MA's), (20, 56695), (33, 56809), (39, 56854), (41, 56866), (43, 56884), (47, 56917), (48, 56926), (52, 56977),

Gene: Sassay_90 Start: 55346, Stop: 55798, Start Num: 15

Candidate Starts for Sassay_90:

(13, 55319), (Start: 15 @55346 has 133 MA's), (20, 55385), (33, 55499), (39, 55544), (41, 55556), (43, 55574), (47, 55607), (48, 55616), (52, 55667),

Gene: Sassay_91 Start: 55802, Stop: 56245, Start Num: 16

Candidate Starts for Sassay_91:

(Start: 16 @55802 has 68 MA's), (18, 55814), (20, 55841), (29, 55898), (39, 55973), (47, 56036), (48, 56045), (49, 56066),

Gene: SchoolBus_100 Start: 62561, Stop: 62130, Start Num: 17

Candidate Starts for SchoolBus_100:

(Start: 17 @62561 has 27 MA's), (24, 62495), (28, 62480), (34, 62399), (38, 62375), (42, 62354), (45, 62339), (46, 62333), (47, 62324),

Gene: Schuy_101 Start: 62180, Stop: 61749, Start Num: 17

Candidate Starts for Schuy_101:

(Start: 17 @62180 has 27 MA's), (24, 62114), (28, 62099), (34, 62018), (38, 61994), (42, 61973), (45, 61958), (46, 61952), (47, 61943),

Gene: ShamWow_95 Start: 57526, Stop: 57978, Start Num: 15

Candidate Starts for ShamWow_95:

(13, 57499), (Start: 15 @57526 has 133 MA's), (20, 57565), (33, 57679), (39, 57724), (41, 57736), (43, 57754), (47, 57787), (48, 57796), (52, 57847),

Gene: ShereKhan_93 Start: 57638, Stop: 58090, Start Num: 15

Candidate Starts for ShereKhan_93:

(13, 57611), (Start: 15 @57638 has 133 MA's), (20, 57677), (33, 57791), (39, 57836), (41, 57848), (43, 57866), (47, 57899), (48, 57908), (52, 57959),

Gene: ShereKhan_94 Start: 58094, Stop: 58537, Start Num: 16

Candidate Starts for ShereKhan_94:

(Start: 16 @58094 has 68 MA's), (18, 58106), (20, 58133), (29, 58190), (39, 58265), (47, 58328), (48, 58337), (49, 58358),

Gene: Shida_103 Start: 63065, Stop: 62631, Start Num: 17

Candidate Starts for Shida_103:

(6, 63167), (Start: 17 @63065 has 27 MA's), (24, 62999), (28, 62984), (34, 62903), (38, 62879), (42, 62858), (45, 62843), (46, 62837), (47, 62828),

Gene: Simpliphy_95 Start: 57102, Stop: 57545, Start Num: 16

Candidate Starts for Simpliphy_95:

(Start: 16 @57102 has 68 MA's), (18, 57114), (20, 57141), (29, 57198), (39, 57273), (47, 57336), (48, 57345), (49, 57366),

Gene: Simpliphy_94 Start: 56646, Stop: 57098, Start Num: 15

Candidate Starts for Simpliphy_94:

(13, 56619), (Start: 15 @56646 has 133 MA's), (20, 56685), (33, 56799), (39, 56844), (41, 56856), (43, 56874), (47, 56907), (48, 56916), (52, 56967),

Gene: SirDuracell_96 Start: 56475, Stop: 56921, Start Num: 16

Candidate Starts for SirDuracell_96:

(Start: 16 @56475 has 68 MA's), (18, 56487), (20, 56514), (29, 56571), (39, 56646), (47, 56709), (48, 56718),

Gene: SirDuracell_95 Start: 56019, Stop: 56471, Start Num: 15

Candidate Starts for SirDuracell_95:

(13, 55992), (Start: 15 @56019 has 133 MA's), (20, 56058), (33, 56172), (39, 56217), (41, 56229), (43, 56247), (47, 56280), (48, 56289), (52, 56340),

Gene: SophKB_92 Start: 56324, Stop: 56776, Start Num: 15

Candidate Starts for SophKB_92:

(13, 56297), (Start: 15 @56324 has 133 MA's), (20, 56363), (33, 56477), (39, 56522), (41, 56534), (43, 56552), (47, 56585), (48, 56594), (52, 56645),

Gene: Sotrice96_97 Start: 57368, Stop: 57811, Start Num: 16

Candidate Starts for Sotrice96_97:

(Start: 16 @57368 has 68 MA's), (20, 57407), (29, 57464), (39, 57539), (47, 57602), (48, 57611), (49, 57632),

Gene: Sotrice96_96 Start: 56912, Stop: 57364, Start Num: 15

Candidate Starts for Sotrice96_96:

(13, 56885), (Start: 15 @56912 has 133 MA's), (20, 56951), (33, 57065), (39, 57110), (41, 57122), (43, 57140), (47, 57173), (48, 57182), (49, 57203), (52, 57233),

Gene: Stank_98 Start: 57761, Stop: 58204, Start Num: 16

Candidate Starts for Stank_98:

(Start: 16 @57761 has 68 MA's), (18, 57773), (20, 57800), (29, 57857), (39, 57932), (47, 57995), (48, 58004), (49, 58025),

Gene: Stank_97 Start: 57305, Stop: 57757, Start Num: 15

Candidate Starts for Stank_97:

(13, 57278), (Start: 15 @57305 has 133 MA's), (20, 57344), (33, 57458), (39, 57503), (41, 57515), (43, 57533), (47, 57566), (48, 57575), (52, 57626),

Gene: Stark_97 Start: 57396, Stop: 57866, Start Num: 15

Candidate Starts for Stark_97:

(13, 57369), (Start: 15 @57396 has 133 MA's), (20, 57435), (33, 57549), (39, 57594), (41, 57606), (43, 57624), (47, 57657), (48, 57666), (52, 57717),

Gene: StellaBean_93 Start: 56850, Stop: 57302, Start Num: 15

Candidate Starts for StellaBean_93:

(13, 56823), (Start: 15 @56850 has 133 MA's), (20, 56889), (33, 57003), (39, 57048), (41, 57060), (43, 57078), (47, 57111), (48, 57120), (52, 57171),

Gene: StolenFromERC_98 Start: 57230, Stop: 57682, Start Num: 15

Candidate Starts for StolenFromERC_98:

(13, 57203), (Start: 15 @57230 has 133 MA's), (20, 57269), (33, 57383), (39, 57428), (41, 57440), (43, 57458), (47, 57491), (48, 57500), (52, 57551),

Gene: StolenFromERC_99 Start: 57686, Stop: 58129, Start Num: 16

Candidate Starts for StolenFromERC_99:

(Start: 16 @57686 has 68 MA's), (18, 57698), (20, 57725), (29, 57782), (39, 57857), (47, 57920), (48, 57929), (49, 57950),

Gene: StormChicken_97 Start: 58010, Stop: 58462, Start Num: 15

Candidate Starts for StormChicken_97:

(13, 57983), (Start: 15 @58010 has 133 MA's), (20, 58049), (33, 58163), (39, 58208), (41, 58220), (43, 58238), (47, 58271), (48, 58280), (52, 58331),

Gene: StormChicken_98 Start: 58466, Stop: 58909, Start Num: 16

Candidate Starts for StormChicken_98:

(Start: 16 @58466 has 68 MA's), (18, 58478), (20, 58505), (29, 58562), (39, 58637), (47, 58700), (48, 58709),

Gene: TBrady12_98 Start: 57066, Stop: 57518, Start Num: 15

Candidate Starts for TBrady12_98:

(13, 57039), (Start: 15 @57066 has 133 MA's), (20, 57105), (33, 57219), (39, 57264), (41, 57276), (43, 57294), (47, 57327), (48, 57336), (52, 57387),

Gene: Talos_174 Start: 88895, Stop: 89413, Start Num: 9

Candidate Starts for Talos_174:

(Start: 9 @88895 has 4 MA's), (14, 88943), (25, 89030), (33, 89099), (56, 89294),

Gene: Tarkin_94 Start: 57314, Stop: 57766, Start Num: 15

Candidate Starts for Tarkin_94:

(13, 57287), (Start: 15 @57314 has 133 MA's), (20, 57353), (33, 57467), (39, 57512), (41, 57524), (43, 57542), (47, 57575), (48, 57584), (52, 57635),

Gene: TeamEdward_95 Start: 57216, Stop: 57668, Start Num: 15

Candidate Starts for TeamEdward_95:

(1, 56973), (13, 57189), (Start: 15 @57216 has 133 MA's), (20, 57255), (33, 57369), (39, 57414), (41, 57426), (43, 57444), (47, 57477), (48, 57486), (52, 57537),

Gene: TeamEdward_96 Start: 57672, Stop: 58115, Start Num: 16

Candidate Starts for TeamEdward_96:

(Start: 16 @57672 has 68 MA's), (18, 57684), (20, 57711), (29, 57768), (39, 57843), (47, 57906), (48, 57915),

Gene: TeardropMSU_91 Start: 56314, Stop: 56766, Start Num: 15

Candidate Starts for TeardropMSU_91:

(13, 56287), (Start: 15 @56314 has 133 MA's), (20, 56353), (33, 56467), (39, 56512), (41, 56524), (43, 56542), (47, 56575), (48, 56584), (52, 56635),

Gene: Teaspoon_96 Start: 57166, Stop: 57618, Start Num: 15

Candidate Starts for Teaspoon_96:

(13, 57139), (Start: 15 @57166 has 133 MA's), (20, 57205), (33, 57319), (39, 57364), (41, 57376), (43, 57394), (47, 57427), (48, 57436), (49, 57457), (52, 57487),

Gene: TelAviv_98 Start: 62790, Stop: 62356, Start Num: 17

Candidate Starts for TelAviv_98:

(6, 62892), (7, 62868), (Start: 17 @62790 has 27 MA's), (24, 62724), (28, 62709), (34, 62628), (38, 62604), (42, 62583), (45, 62568), (46, 62562), (47, 62553),

Gene: Terminus_99 Start: 58557, Stop: 59000, Start Num: 16

Candidate Starts for Terminus_99:

(Start: 16 @58557 has 68 MA's), (18, 58569), (20, 58596), (29, 58653), (39, 58728), (47, 58791), (48, 58800), (49, 58821),

Gene: Terminus_98 Start: 58101, Stop: 58553, Start Num: 15

Candidate Starts for Terminus_98:

(13, 58074), (Start: 15 @58101 has 133 MA's), (20, 58140), (33, 58254), (39, 58299), (41, 58311), (43, 58329), (47, 58362), (48, 58371), (52, 58422),

Gene: Thimble_97 Start: 56816, Stop: 57268, Start Num: 15

Candidate Starts for Thimble_97:

(13, 56789), (Start: 15 @56816 has 133 MA's), (20, 56855), (33, 56969), (39, 57014), (41, 57026), (43, 57044), (47, 57077), (48, 57086), (52, 57137),

Gene: Thresher_98 Start: 58176, Stop: 58646, Start Num: 15

Candidate Starts for Thresher_98:

(13, 58149), (Start: 15 @58176 has 133 MA's), (20, 58215), (33, 58329), (39, 58374), (41, 58386), (43, 58404), (47, 58437), (48, 58446), (52, 58497),

Gene: Tomaszewski_91 Start: 56933, Stop: 57376, Start Num: 16

Candidate Starts for Tomaszewski_91:

(Start: 16 @56933 has 68 MA's), (18, 56945), (20, 56972), (29, 57029), (39, 57104), (47, 57167), (48, 57176), (49, 57197),

Gene: Tomaszewski_90 Start: 56477, Stop: 56929, Start Num: 15

Candidate Starts for Tomaszewski_90:

(13, 56450), (Start: 15 @56477 has 133 MA's), (20, 56516), (33, 56630), (39, 56675), (41, 56687), (43, 56705), (47, 56738), (48, 56747), (52, 56798),

Gene: Toto_93 Start: 57526, Stop: 57978, Start Num: 15

Candidate Starts for Toto_93:

(13, 57499), (Start: 15 @57526 has 133 MA's), (20, 57565), (33, 57679), (39, 57724), (41, 57736), (43, 57754), (47, 57787), (48, 57796), (52, 57847),

Gene: Traaww1_91 Start: 56334, Stop: 56786, Start Num: 15

Candidate Starts for Traaww1_91:

(13, 56307), (Start: 15 @56334 has 133 MA's), (20, 56373), (33, 56487), (39, 56532), (41, 56544), (43, 56562), (47, 56595), (48, 56604), (49, 56625), (52, 56655),

Gene: Traaww1_92 Start: 56790, Stop: 57233, Start Num: 16

Candidate Starts for Traaww1_92:

(Start: 16 @56790 has 68 MA's), (20, 56829), (29, 56886), (39, 56961), (47, 57024), (48, 57033), (49, 57054),

Gene: Tuco_97 Start: 58529, Stop: 58972, Start Num: 16

Candidate Starts for Tuco_97:

(Start: 16 @58529 has 68 MA's), (20, 58568), (29, 58625), (39, 58700), (47, 58763), (48, 58772), (49, 58793),

Gene: Tuco_96 Start: 58073, Stop: 58525, Start Num: 15

Candidate Starts for Tuco_96:

(13, 58046), (Start: 15 @58073 has 133 MA's), (20, 58112), (33, 58226), (39, 58271), (41, 58283), (43, 58301), (47, 58334), (48, 58343), (49, 58364), (52, 58394),

Gene: Ukulele_90 Start: 56459, Stop: 56911, Start Num: 15

Candidate Starts for Ukulele_90:

(13, 56432), (Start: 15 @56459 has 133 MA's), (20, 56498), (33, 56612), (39, 56657), (41, 56669), (43, 56687), (47, 56720), (48, 56729), (52, 56780),

Gene: Ukulele_91 Start: 56915, Stop: 57358, Start Num: 16

Candidate Starts for Ukulele_91:

(Start: 16 @56915 has 68 MA's), (18, 56927), (20, 56954), (29, 57011), (39, 57086), (47, 57149), (48, 57158), (49, 57179),

Gene: Vagabond_100 Start: 62228, Stop: 61797, Start Num: 17

Candidate Starts for Vagabond_100:

(Start: 17 @62228 has 27 MA's), (24, 62162), (28, 62147), (34, 62066), (38, 62042), (42, 62021), (45, 62006), (46, 62000), (47, 61991),

Gene: Vorrps_101 Start: 62971, Stop: 62540, Start Num: 17

Candidate Starts for Vorrps_101:

(Start: 17 @62971 has 27 MA's), (24, 62905), (28, 62890), (34, 62809), (38, 62785), (42, 62764), (45, 62749), (46, 62743), (47, 62734),

Gene: Wiggin_97 Start: 56735, Stop: 57187, Start Num: 15

Candidate Starts for Wiggin_97:

(13, 56708), (Start: 15 @56735 has 133 MA's), (20, 56774), (33, 56888), (39, 56933), (41, 56945), (43, 56963), (47, 56996), (48, 57005), (49, 57026), (52, 57056),

Gene: Wiggin_98 Start: 57191, Stop: 57634, Start Num: 16

Candidate Starts for Wiggin_98:

(Start: 16 @57191 has 68 MA's), (20, 57230), (29, 57287), (39, 57362), (47, 57425), (48, 57434), (49, 57455),

Gene: Wildcat_144 Start: 68090, Stop: 67533, Start Num: 4

Candidate Starts for Wildcat_144:

(Start: 4 @68090 has 5 MA's), (10, 68024), (11, 68003), (12, 67997), (20, 67934), (27, 67880), (36, 67796), (44, 67751), (50, 67700), (52, 67679), (54, 67634), (59, 67598), (60, 67568),

Gene: Wildflower_98 Start: 60971, Stop: 60525, Start Num: 17

Candidate Starts for Wildflower_98:

(Start: 17 @60971 has 27 MA's), (24, 60905), (28, 60890), (34, 60809), (38, 60785), (42, 60764), (45, 60749), (46, 60743), (47, 60734), (63, 60545), (64, 60533),

Gene: Willez_91 Start: 55802, Stop: 56245, Start Num: 16

Candidate Starts for Willez_91:

(Start: 16 @55802 has 68 MA's), (18, 55814), (20, 55841), (29, 55898), (39, 55973), (47, 56036), (48, 56045), (49, 56066),

Gene: Willez_90 Start: 55346, Stop: 55798, Start Num: 15

Candidate Starts for Willez_90:

(13, 55319), (Start: 15 @55346 has 133 MA's), (20, 55385), (33, 55499), (39, 55544), (41, 55556), (43, 55574), (47, 55607), (48, 55616), (52, 55667),

Gene: Winget_101 Start: 62865, Stop: 62434, Start Num: 17

Candidate Starts for Winget_101:

(Start: 17 @62865 has 27 MA's), (24, 62799), (28, 62784), (34, 62703), (38, 62679), (42, 62658), (45, 62643), (46, 62637), (47, 62628),

Gene: Wogge42_98 Start: 62149, Stop: 61718, Start Num: 17

Candidate Starts for Wogge42_98:

(Start: 17 @62149 has 27 MA's), (24, 62083), (28, 62068), (34, 61987), (38, 61963), (42, 61942), (45, 61927), (46, 61921), (47, 61912),

Gene: Xandras_94 Start: 56558, Stop: 57010, Start Num: 15

Candidate Starts for Xandras_94:

(13, 56531), (Start: 15 @56558 has 133 MA's), (20, 56597), (33, 56711), (39, 56756), (41, 56768), (43, 56786), (47, 56819), (48, 56828), (52, 56879),

Gene: Xandras_95 Start: 57014, Stop: 57457, Start Num: 16

Candidate Starts for Xandras_95:

(Start: 16 @57014 has 68 MA's), (18, 57026), (20, 57053), (29, 57110), (39, 57185), (47, 57248), (48, 57257), (49, 57278),

Gene: YassJohnny_92 Start: 56199, Stop: 56651, Start Num: 15

Candidate Starts for YassJohnny_92:

(13, 56172), (Start: 15 @56199 has 133 MA's), (20, 56238), (33, 56352), (39, 56397), (41, 56409), (43, 56427), (47, 56460), (48, 56469), (52, 56520),

Gene: Youngblood_98 Start: 58028, Stop: 58480, Start Num: 15

Candidate Starts for Youngblood_98:

(13, 58001), (Start: 15 @58028 has 133 MA's), (20, 58067), (33, 58181), (39, 58226), (41, 58238), (43, 58256), (47, 58289), (48, 58298), (52, 58349),

Gene: Youngblood_99 Start: 58484, Stop: 58927, Start Num: 16

Candidate Starts for Youngblood_99:

(Start: 16 @58484 has 68 MA's), (18, 58496), (20, 58523), (29, 58580), (39, 58655), (47, 58718), (48, 58727), (49, 58748),

Gene: YoyoKar_98 Start: 62126, Stop: 61692, Start Num: 17

Candidate Starts for YoyoKar_98:

(6, 62228), (7, 62204), (Start: 17 @62126 has 27 MA's), (24, 62060), (28, 62045), (34, 61964), (38, 61940), (42, 61919), (45, 61904), (46, 61898), (47, 61889),

Gene: Yvonnetastic_92 Start: 54884, Stop: 55351, Start Num: 8

Candidate Starts for Yvonnetastic_92:

(5, 54845), (Start: 8 @54884 has 7 MA's), (10, 54893), (23, 54998), (26, 55019), (40, 55136), (61, 55328),

Gene: Zakhe101_96 Start: 61076, Stop: 60630, Start Num: 17

Candidate Starts for Zakhe101_96:

(Start: 17 @61076 has 27 MA's), (24, 61010), (28, 60995), (34, 60914), (38, 60890), (42, 60869), (45, 60854), (46, 60848), (63, 60650), (64, 60638),

Gene: Zebo_100 Start: 62561, Stop: 62130, Start Num: 17

Candidate Starts for Zebo_100:

(Start: 17 @62561 has 27 MA's), (24, 62495), (28, 62480), (34, 62399), (38, 62375), (42, 62354), (45, 62339), (46, 62333), (47, 62324),

Gene: xkcd_98 Start: 58212, Stop: 58664, Start Num: 15

Candidate Starts for xkcd_98:

(13, 58185), (Start: 15 @58212 has 133 MA's), (20, 58251), (33, 58365), (39, 58410), (41, 58422), (43, 58440), (47, 58473), (48, 58482), (52, 58533),

Gene: xkcd_99 Start: 58668, Stop: 59111, Start Num: 16

Candidate Starts for xkcd_99:

(Start: 16 @58668 has 68 MA's), (18, 58680), (20, 58707), (29, 58764), (47, 58902), (48, 58911), (49, 58932),