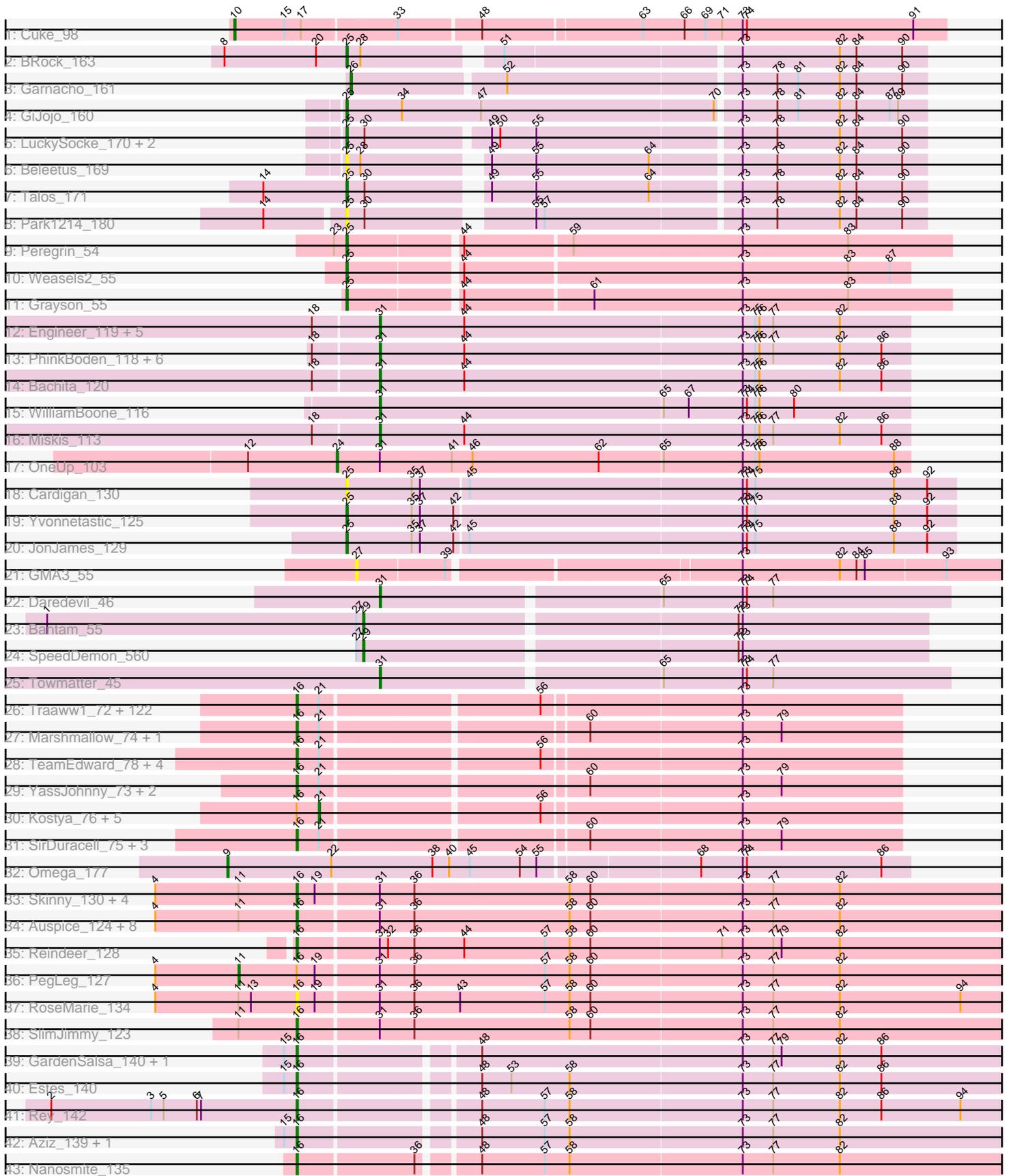# Pham 283491

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 283491 Report

This analysis was run 02/23/26 on database version 636.

Pham number 283491 has 207 members, 26 are drafts.

Phages represented in each track:
• Track 1 : Cuke_98
• Track 2 : BRock_163
• Track 3 : Garnacho_161
• Track 4 : GiJojo_160
• Track 5 : LuckySocke_170, Fudan_172, Alone3_172
• Track 6 : Beleetus_169
• Track 7 : Talos_171
• Track 8 : Park1214_180
• Track 9 : Peregrin_54
• Track 10 : Weasels2_55
• Track 11 : Grayson_55
• Track 12 : Engineer_119, Abscondus_118, Geeche_117, ClubL_119, Dusty_116, Norvs_118
• Track 13 : PhinkBoden_118, Toniann_118, Cucurbita_119, Culver_119, Lozinak_118, Aphelion_118, Smoothie_119
• Track 14 : Bachita_120
• Track 15 : WilliamBoone_116
• Track 16 : Miskis_113
• Track 17 : OneUp_103
• Track 18 : Cardigan_130
• Track 19 : Yvonnetastic_125
• Track 20 : JonJames_129
• Track 21 : GMA3_55
• Track 22 : Daredevil_46
• Track 23 : Bantam_55
• Track 24 : SpeedDemon_560
• Track 25 : Towmatter_45
• Track 26 : Traaww1_72, Barbarian_75, Greep_80, PaddyBaddy_76, Hoonter_79, Mindy_75, Myrale_76, AmericanBeauty_80, Dumbo_76, Lilac_78, Manda_77, Daikon_78, TBrady12_79, Ukulele_71, Easy2Say_77, Bogg_76, Rimmer_77, ShamWow_76, Teaspoon_77, Porky_75, Buck_77, Petra64142_80, Phaux_78, Cactus_79, Highbury_75, NelitzaMV_74, Pumpkin_79, Glexan_75, xkcd_79, IHOP_74, Nala_78, Czyszczon1_77, ABCat_73, Eureka_74, TeardropMSU_72, NoSleep_77, BigBubba_76, Becksu_75, FireRed_80, Lilizi_77, Youngblood_79, Hopey_76, GooberAzure_79, Flypotenuse_72, Thresher_78, Harella_76, Elph10_76, MPhalcon_77, Icee_77, Mosby_72, Sassay_71, Goldilocks_79, Toto_74, Murphy_76, Terminus_79, Kimchi_80, Bench_79, Dusk_73, Balomoji_76, Gator_74,

Command613_78, Sotrice96_77, Kanye_73, Saints25_75, CrystalP_75, StormChicken_78, Stark_77, 244_77, Phrux_73, Miniwave_71, Moldemort_79, Elite2014_75, Murica_79, Maxxinista_78, JeTaime_76, ChosenOne_76, BaboJay_73, Filch_77, HufflyPuff_79, Inca_73, Pharsalus_73, Tarkin_75, Simpliphy_75, Goku_74, Gage_78, Asriel_75, BadStone_73, Henry_74, Argent26_80, PhatBacter_80, Nimrod_77, RiverMonster_76, Policronamos_79, Misfit_77, Phaja_74, Lilpickle_75, SophKB_73, Holt_81, Bruin_73, Wiggin_78, Willez_71, Xandras_75, Ptowny_73, HanKaySha_76, Tuco_77, Cjw1_76, Emmina_76, DrDrey_76, Rakim_77, StolenFromERC_79, MollyToe_71, Quallification_77, Paperbeatsrock_75, Contagion_72, NonchalantPear_74, Thimble_77, Adnama_80, MadamMonkfish_76, Gemini_81, BilboSwaggins_74, Stank_79, StellaBean_74, GoldenSpark_80
• Track 27 : Marshmallow_74, FairyPath_76
• Track 28 : TeamEdward_78, OrionPax_75, Amao_76, Pat3_74, Bask21_76
• Track 29 : YassJohnny_73, Budgie_84, Tomaszewski_71
• Track 30 : Kostya_76, FoghornLeghorn_70, Brewer_71, BugsBunny_76, MISSy_77, Palpatine_78
• Track 31 : SirDuracell_75, Cookies_73, ChotaBhai_76, DoctorDiddles_75
• Track 32 : Omega_177
• Track 33 : Skinny_130, Dulcita_125, Diminimus_125, Glaske16_127, Izel_125
• Track 34 : Auspice_124, Bongo_123, FreakyGoo_125, Bricole_126, KleverKiS_127, TpudiCK_126, LilhomieP_124, TyDawg_119, IPhane7_122
• Track 35 : Reindeer_128
• Track 36 : PegLeg_127
• Track 37 : RoseMarie_134
• Track 38 : SlimJimmy_123
• Track 39 : GardenSalsa_140, MrMagoo_142
• Track 40 : Estes_140
• Track 41 : Rey_142
• Track 42 : Aziz_139, GenevaB15_142
• Track 43 : Nanosmite_135

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

The start number called the most often in the published annotations is 16, it was called in 144 of the 181 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• 244_77, ABCat_73, Adnama_80, Amao_76, AmericanBeauty_80, Argent26_80, Asriel_75, Auspice_124, Aziz_139, BaboJay_73, BadStone_73, Balomoji_76, Barbarian_75, Bask21_76, Becksu_75, Bench_79, BigBubba_76, BilboSwaggins_74, Bogg_76, Bongo_123, Bricole_126, Bruin_73, Buck_77, Budgie_84, Cactus_79, ChosenOne_76, ChotaBhai_76, Cjw1_76, Command613_78, Contagion_72, Cookies_73, CrystalP_75, Czyszczon1_77, Daikon_78, Diminimus_125, DoctorDiddles_75, DrDrey_76, Dulcita_125, Dumbo_76, Dusk_73, Easy2Say_77, Elite2014_75, Elph10_76, Emmina_76, Estes_140, Eureka_74, FairyPath_76, Filch_77, FireRed_80, Flypotenuse_72, FreakyGoo_125, Gage_78, GardenSalsa_140, Gator_74, Gemini_81, GenevaB15_142, Glaske16_127, Glexan_75, Goku_74, GoldenSpark_80, Goldilocks_79, GooberAzure_79, Greep_80, HanKaySha_76, Harella_76, Henry_74, Highbury_75, Holt_81, Hoonter_79, Hopey_76, HufflyPuff_79, IHOP_74, IPhane7_122, Icee_77, Inca_73, Izel_125,

JeTaime_76, Kanye_73, Kimchi_80, KleverKiS_127, Lilac_78, LilhomieP_124, Lilizi_77, Lilpickle_75, MPhalcon_77, MadamMonkfish_76, Manda_77, Marshmallow_74, Maxxinista_78, Mindy_75, Miniwave_71, Misfit_77, Moldemort_79, MollyToe_71, Mosby_72, MrMagoo_142, Murica_79, Murphy_76, Myrale_76, Nala_78, Nanosmite_135, NelitzaMV_74, Nimrod_77, NoSleep_77, NonchalantPear_74, OrionPax_75, PaddyBaddy_76, Paperbeatsrock_75, Pat3_74, Petra64142_80, Phaja_74, Pharsalus_73, PhatBacter_80, Phaux_78, Phrux_73, Policronamos_79, Porky_75, Ptowny_73, Pumpkin_79, Quallification_77, Rakim_77, Reindeer_128, Rey_142, Rimmer_77, RiverMonster_76, RoseMarie_134, Saints25_75, Sassay_71, ShamWow_76, Simpliphy_75, SirDuracell_75, Skinny_130, SlimJimmy_123, SophKB_73, Sotrice96_77, Stank_79, Stark_77, StellaBean_74, StolenFromERC_79, StormChicken_78, TBrady12_79, Tarkin_75, TeamEdward_78, TeardropMSU_72, Teaspoon_77, Terminus_79, Thimble_77, Thresher_78, Tomaszewski_71, Toto_74, TpudiCK_126, Traaww1_72, Tuco_77, TyDawg_119, Ukulele_71, Wiggin_78, Willez_71, Xandras_75, YassJohnny_73, Youngblood_79, xkcd_79,

Genes that have the "Most Annotated" start but do not call it:
• Brewer_71, BugsBunny_76, FoghornLeghorn_70, Kostya_76, MISSy_77, Palpatine_78, PegLeg_127,

Genes that do not have the "Most Annotated" start:
• Abscondus_118, Alone3_172, Aphelion_118, BRock_163, Bachita_120, Bantam_55, Beleetus_169, Cardigan_130, ClubL_119, Cucurbita_119, Cuke_98, Culver_119, Daredevil_46, Dusty_116, Engineer_119, Fudan_172, GMA3_55, Garnacho_161, Geeche_117, GiJojo_160, Grayson_55, JonJames_129, Lozinak_118, LuckySocke_170, Miskis_113, Norvs_118, Omega_177, OneUp_103, Park1214_180, Peregrin_54, PhinkBoden_118, Smoothie_119, SpeedDemon_560, Talos_171, Toniann_118, Towmatter_45, Weasels2_55, WilliamBoone_116, Yvonnetastic_125,

Summary by start number:

Start 9:
• Found in 1 of 207 (0.5%) of genes in pham
• Manual Annotations of this start: 1 of 181
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Omega_177 (J),

Start 10:
• Found in 1 of 207 (0.5%) of genes in pham
• Manual Annotations of this start: 1 of 181
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Cuke_98 (AC),

Start 11:
• Found in 17 of 207 (8.2%) of genes in pham
• Manual Annotations of this start: 1 of 181
• Called 5.9% of time when present
• Phage (with cluster) where this start called: PegLeg_127 (M1),

Start 16:
• Found in 168 of 207 (81.2%) of genes in pham

- Manual Annotations of this start: 144 of 181
- Called 95.8% of time when present
- Phage (with cluster) where this start called: 244_77 (E), ABCat_73 (E), Adnama_80 (E), Amao_76 (E), AmericanBeauty_80 (E), Argent26_80 (E), Asriel_75 (E), Auspice_124 (M1), Aziz_139 (M2), BaboJay_73 (E), BadStone_73 (E), Balomoji_76 (E), Barbarian_75 (E), Bask21_76 (E), Becksu_75 (E), Bench_79 (E), BigBubba_76 (E), BilboSwaggins_74 (E), Bogg_76 (E), Bongo_123 (M1), Bricole_126 (M1), Bruin_73 (E), Buck_77 (E), Budgie_84 (E), Cactus_79 (E), ChosenOne_76 (E), ChotaBhai_76 (E), Cjw1_76 (E), Command613_78 (E), Contagion_72 (E), Cookies_73 (E), CrystalP_75 (E), Czyszczon1_77 (E), Daikon_78 (E), Diminimus_125 (M1), DoctorDiddles_75 (E), DrDrey_76 (E), Dulcita_125 (M1), Dumbo_76 (E), Dusk_73 (E), Easy2Say_77 (E), Elite2014_75 (E), Elph10_76 (E), Emmina_76 (E), Estes_140 (M2), Eureka_74 (E), FairyPath_76 (E), Filch_77 (E), FireRed_80 (E), Flypotenuse_72 (E), FreakyGoo_125 (M1), Gage_78 (E), GardenSalsa_140 (M2), Gator_74 (E), Gemini_81 (E), GenevaB15_142 (M2), Glaske16_127 (M1), Glexan_75 (E), Goku_74 (E), GoldenSpark_80 (E), Goldilocks_79 (E), GooberAzure_79 (E), Greep_80 (E), HanKaySha_76 (E), Harella_76 (E), Henry_74 (E), Highbury_75 (E), Holt_81 (E), Hoonter_79 (E), Hopey_76 (E), HufflyPuff_79 (E), IHOP_74 (E), IPhane7_122 (M1), Icee_77 (E), Inca_73 (E), Izel_125 (M1), JeTaime_76 (E), Kanye_73 (E), Kimchi_80 (E), KleverKiS_127 (M1), Lilac_78 (E), LilhomieP_124 (M1), Lilizi_77 (E), Lilpickle_75 (E), MPhalcon_77 (E), MadamMonkfish_76 (E), Manda_77 (E), Marshmallow_74 (E), Maxxinista_78 (E), Mindy_75 (E), Miniwave_71 (E), Misfit_77 (E), Moldemort_79 (E), MollyToe_71 (E), Mosby_72 (E), MrMagoo_142 (M2), Murica_79 (E), Murphy_76 (E), Myrale_76 (E), Nala_78 (E), Nanosmite_135 (M3), NelitzaMV_74 (E), Nimrod_77 (E), NoSleep_77 (E), NonchalantPear_74 (E), OrionPax_75 (E), PaddyBaddy_76 (E), Paperbeatsrock_75 (E), Pat3_74 (E), Petra64142_80 (E), Phaja_74 (E), Pharsalus_73 (E), PhatBacter_80 (E), Phaux_78 (E), Phrux_73 (E), Policronamos_79 (E), Porky_75 (E), Ptowny_73 (E), Pumpkin_79 (E), Quallification_77 (E), Rakim_77 (E), Reindeer_128 (M1), Rey_142 (M2), Rimmer_77 (E), RiverMonster_76 (E), RoseMarie_134 (M1), Saints25_75 (E), Sassay_71 (E), ShamWow_76 (E), Simpliphy_75 (E), SirDuracell_75 (E), Skinny_130 (M1), SlimJimmy_123 (M1), SophKB_73 (E), Sotrice96_77 (E), Stank_79 (E), Stark_77 (E), StellaBean_74 (E), StolenFromERC_79 (E), StormChicken_78 (E), TBrady12_79 (E), Tarkin_75 (E), TeamEdward_78 (E), TeardropMSU_72 (E), Teaspoon_77 (E), Terminus_79 (E), Thimble_77 (E), Thresher_78 (E), Tomaszewski_71 (E), Toto_74 (E), TpudiCK_126 (M1), Traaww1_72 (E), Tuco_77 (E), TyDawg_119 (M1), Ukulele_71 (E), Wiggin_78 (E), Willez_71 (E), Xandras_75 (E), YassJohnny_73 (E), Youngblood_79 (E), xkcd_79 (E),

Start 21:
- Found in 143 of 207 (69.1%) of genes in pham
- Manual Annotations of this start: 3 of 181
- Called 4.2% of time when present
- Phage (with cluster) where this start called: Brewer_71 (E), BugsBunny_76 (E), FoghornLeghorn_70 (E), Kostya_76 (E), MISSy_77 (E), Palpatine_78 (E),

Start 24:
- Found in 1 of 207 (0.5%) of genes in pham
- Manual Annotations of this start: 1 of 181
- Called 100.0% of time when present
- Phage (with cluster) where this start called: OneUp_103 (CQ2),

Start 25:
• Found in 14 of 207 (6.8%) of genes in pham
• Manual Annotations of this start: 10 of 181
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Alone3_172 (BS), BRock_163 (BS), Beleetus_169 (BS), Cardigan_130 (DD), Fudan_172 (BS), GiJojo_160 (BS), Grayson_55 (CB), JonJames_129 (DD), LuckySocke_170 (BS), Park1214_180 (BS), Peregrin_54 (CB), Talos_171 (BS), Weasels2_55 (CB), Yvonnetastic_125 (DD),

Start 26:
• Found in 1 of 207 (0.5%) of genes in pham
• Manual Annotations of this start: 1 of 181
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Garnacho_161 (BS),

Start 27:
• Found in 3 of 207 (1.4%) of genes in pham
• No Manual Annotations of this start.
• Called 33.3% of time when present
• Phage (with cluster) where this start called: GMA3_55 (DF2),

Start 29:
• Found in 2 of 207 (1.0%) of genes in pham
• Manual Annotations of this start: 2 of 181
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Bantam_55 (DL), SpeedDemon_560 (DL),

Start 31:
• Found in 37 of 207 (17.9%) of genes in pham
• Manual Annotations of this start: 17 of 181
• Called 48.6% of time when present
• Phage (with cluster) where this start called: Abscondus_118 (CQ1), Aphelion_118 (CQ1), Bachita_120 (CQ1), ClubL_119 (CQ1), Cucurbita_119 (CQ1), Culver_119 (CQ1), Daredevil_46 (DL), Dusty_116 (CQ1), Engineer_119 (CQ1), Geeche_117 (CQ1), Lozinak_118 (CQ1), Miskis_113 (CQ1), Norvs_118 (CQ1), PhinkBoden_118 (CQ1), Smoothie_119 (CQ1), Toniann_118 (CQ1), Towmatter_45 (DL), WilliamBoone_116 (CQ1),

Summary by clusters:

There are 13 clusters represented in this pham: DL, J, E, CB, DD, M2, AC, DF2, M1, M3, BS, CQ2, CQ1,

Info for manual annotations of cluster AC:
•Start number 10 was manually annotated 1 time for cluster AC.

Info for manual annotations of cluster BS:
•Start number 25 was manually annotated 5 times for cluster BS.
•Start number 26 was manually annotated 1 time for cluster BS.

Info for manual annotations of cluster CB:
•Start number 25 was manually annotated 3 times for cluster CB.

Info for manual annotations of cluster CQ1:
•Start number 31 was manually annotated 15 times for cluster CQ1.

Info for manual annotations of cluster CQ2:
•Start number 24 was manually annotated 1 time for cluster CQ2.

Info for manual annotations of cluster DD:
•Start number 25 was manually annotated 2 times for cluster DD.

Info for manual annotations of cluster DL:
•Start number 29 was manually annotated 2 times for cluster DL.
•Start number 31 was manually annotated 2 times for cluster DL.

Info for manual annotations of cluster E:
•Start number 16 was manually annotated 123 times for cluster E.
•Start number 21 was manually annotated 3 times for cluster E.

Info for manual annotations of cluster J:
•Start number 9 was manually annotated 1 time for cluster J.

Info for manual annotations of cluster M1:
•Start number 11 was manually annotated 1 time for cluster M1.
•Start number 16 was manually annotated 14 times for cluster M1.

Info for manual annotations of cluster M2:
•Start number 16 was manually annotated 6 times for cluster M2.

Info for manual annotations of cluster M3:
•Start number 16 was manually annotated 1 time for cluster M3.

Gene Information:

Gene: 244_77 Start: 48199, Stop: 48612, Start Num: 16
Candidate Starts for 244_77:
(Start: 16 @48199 has 144 MA's), (Start: 21 @48214 has 3 MA's), (56, 48361), (73, 48499),

Gene: ABCat_73 Start: 48552, Stop: 48965, Start Num: 16
Candidate Starts for ABCat_73:
(Start: 16 @48552 has 144 MA's), (Start: 21 @48567 has 3 MA's), (56, 48714), (73, 48852),

Gene: Abscondus_118 Start: 67747, Stop: 68124, Start Num: 31
Candidate Starts for Abscondus_118:
(18, 67702), (Start: 31 @67747 has 17 MA's), (44, 67807), (73, 68005), (75, 68014), (76, 68017), (77, 68026), (82, 68074),

Gene: Adnama_80 Start: 48578, Stop: 48991, Start Num: 16
Candidate Starts for Adnama_80:
(Start: 16 @48578 has 144 MA's), (Start: 21 @48593 has 3 MA's), (56, 48740), (73, 48878),

Gene: Alone3_172 Start: 89660, Stop: 90058, Start Num: 25
Candidate Starts for Alone3_172:
(Start: 25 @89660 has 10 MA's), (30, 89672), (49, 89756), (50, 89762), (55, 89786), (73, 89927), (78, 89951), (82, 89996), (84, 90008), (90, 90041),

Gene: Amao_76 Start: 47972, Stop: 48385, Start Num: 16
Candidate Starts for Amao_76:
(Start: 16 @47972 has 144 MA's), (Start: 21 @47987 has 3 MA's), (56, 48134), (73, 48272),

Gene: AmericanBeauty_80 Start: 48721, Stop: 49134, Start Num: 16
Candidate Starts for AmericanBeauty_80:
(Start: 16 @48721 has 144 MA's), (Start: 21 @48736 has 3 MA's), (56, 48883), (73, 49021),

Gene: Aphelion_118 Start: 68628, Stop: 69005, Start Num: 31
Candidate Starts for Aphelion_118:
(18, 68583), (Start: 31 @68628 has 17 MA's), (44, 68688), (73, 68886), (75, 68895), (76, 68898), (77, 68907), (82, 68955), (86, 68985),

Gene: Argent26_80 Start: 48359, Stop: 48772, Start Num: 16
Candidate Starts for Argent26_80:
(Start: 16 @48359 has 144 MA's), (Start: 21 @48374 has 3 MA's), (56, 48521), (73, 48659),

Gene: Asriel_75 Start: 46915, Stop: 47328, Start Num: 16
Candidate Starts for Asriel_75:
(Start: 16 @46915 has 144 MA's), (Start: 21 @46930 has 3 MA's), (56, 47077), (73, 47215),

Gene: Auspice_124 Start: 65416, Stop: 65913, Start Num: 16
Candidate Starts for Auspice_124:
(4, 65314), (Start: 11 @65374 has 1 MA's), (Start: 16 @65416 has 144 MA's), (Start: 31 @65470 has 17 MA's), (36, 65494), (58, 65605), (60, 65620), (73, 65728), (77, 65749), (82, 65797),

Gene: Aziz_139 Start: 66655, Stop: 67140, Start Num: 16
Candidate Starts for Aziz_139:
(15, 66646), (Start: 16 @66655 has 144 MA's), (48, 66769), (57, 66814), (58, 66832), (73, 66955), (77, 66976), (82, 67024),

Gene: BRock_163 Start: 85073, Stop: 85462, Start Num: 25
Candidate Starts for BRock_163:
(8, 84986), (20, 85052), (Start: 25 @85073 has 10 MA's), (28, 85082), (51, 85169), (73, 85331), (82, 85400), (84, 85412), (90, 85445),

Gene: BaboJay_73 Start: 47752, Stop: 48165, Start Num: 16
Candidate Starts for BaboJay_73:
(Start: 16 @47752 has 144 MA's), (Start: 21 @47767 has 3 MA's), (56, 47914), (73, 48052),

Gene: Bachita_120 Start: 68407, Stop: 68784, Start Num: 31
Candidate Starts for Bachita_120:
(18, 68362), (Start: 31 @68407 has 17 MA's), (44, 68467), (73, 68665), (75, 68674), (76, 68677), (82, 68734), (86, 68764),

Gene: BadStone_73 Start: 48121, Stop: 48534, Start Num: 16
Candidate Starts for BadStone_73:
(Start: 16 @48121 has 144 MA's), (Start: 21 @48136 has 3 MA's), (56, 48283), (73, 48421),

Gene: Balomoji_76 Start: 48682, Stop: 49095, Start Num: 16
Candidate Starts for Balomoji_76:
(Start: 16 @48682 has 144 MA's), (Start: 21 @48697 has 3 MA's), (56, 48844), (73, 48982),

Gene: Bantam_55 Start: 44365, Stop: 44757, Start Num: 29
Candidate Starts for Bantam_55:
(1, 44140), (27, 44362), (Start: 29 @44365 has 2 MA's), (72, 44623), (73, 44626),

Gene: Barbarian_75 Start: 46915, Stop: 47328, Start Num: 16
Candidate Starts for Barbarian_75:
(Start: 16 @46915 has 144 MA's), (Start: 21 @46930 has 3 MA's), (56, 47077), (73, 47215),

Gene: Bask21_76 Start: 47535, Stop: 47948, Start Num: 16
Candidate Starts for Bask21_76:
(Start: 16 @47535 has 144 MA's), (Start: 21 @47550 has 3 MA's), (56, 47697), (73, 47835),

Gene: Becksu_75 Start: 48751, Stop: 49164, Start Num: 16
Candidate Starts for Becksu_75:
(Start: 16 @48751 has 144 MA's), (Start: 21 @48766 has 3 MA's), (56, 48913), (73, 49051),

Gene: Beleetus_169 Start: 88129, Stop: 88518, Start Num: 25
Candidate Starts for Beleetus_169:
(Start: 25 @88129 has 10 MA's), (28, 88138), (49, 88216), (55, 88246), (64, 88327), (73, 88387), (78, 88411), (82, 88456), (84, 88468), (90, 88501),

Gene: Bench_79 Start: 48219, Stop: 48632, Start Num: 16
Candidate Starts for Bench_79:
(Start: 16 @48219 has 144 MA's), (Start: 21 @48234 has 3 MA's), (56, 48381), (73, 48519),

Gene: BigBubba_76 Start: 47931, Stop: 48344, Start Num: 16
Candidate Starts for BigBubba_76:
(Start: 16 @47931 has 144 MA's), (Start: 21 @47946 has 3 MA's), (56, 48093), (73, 48231),

Gene: BilboSwaggins_74 Start: 48560, Stop: 48973, Start Num: 16
Candidate Starts for BilboSwaggins_74:
(Start: 16 @48560 has 144 MA's), (Start: 21 @48575 has 3 MA's), (56, 48722), (73, 48860),

Gene: Bogg_76 Start: 47498, Stop: 47911, Start Num: 16
Candidate Starts for Bogg_76:
(Start: 16 @47498 has 144 MA's), (Start: 21 @47513 has 3 MA's), (56, 47660), (73, 47798),

Gene: Bongo_123 Start: 65032, Stop: 65529, Start Num: 16
Candidate Starts for Bongo_123:
(4, 64930), (Start: 11 @64990 has 1 MA's), (Start: 16 @65032 has 144 MA's), (Start: 31 @65086 has 17 MA's), (36, 65110), (58, 65221), (60, 65236), (73, 65344), (77, 65365), (82, 65413),

Gene: Brewer_71 Start: 47036, Stop: 47434, Start Num: 21
Candidate Starts for Brewer_71:
(Start: 16 @47021 has 144 MA's), (Start: 21 @47036 has 3 MA's), (56, 47183), (73, 47321),

Gene: Bricole_126 Start: 65180, Stop: 65677, Start Num: 16
Candidate Starts for Bricole_126:

(4, 65078), (Start: 11 @65138 has 1 MA's), (Start: 16 @65180 has 144 MA's), (Start: 31 @65234 has 17 MA's), (36, 65258), (58, 65369), (60, 65384), (73, 65492), (77, 65513), (82, 65561),

Gene: Bruin_73 Start: 47095, Stop: 47508, Start Num: 16
Candidate Starts for Bruin_73:
(Start: 16 @47095 has 144 MA's), (Start: 21 @47110 has 3 MA's), (56, 47257), (73, 47395),

Gene: Buck_77 Start: 48800, Stop: 49213, Start Num: 16
Candidate Starts for Buck_77:
(Start: 16 @48800 has 144 MA's), (Start: 21 @48815 has 3 MA's), (56, 48962), (73, 49100),

Gene: Budgie_84 Start: 48590, Stop: 49003, Start Num: 16
Candidate Starts for Budgie_84:
(Start: 16 @48590 has 144 MA's), (Start: 21 @48605 has 3 MA's), (60, 48782), (73, 48890), (79, 48917),

Gene: BugsBunny_76 Start: 48642, Stop: 49040, Start Num: 21
Candidate Starts for BugsBunny_76:
(Start: 16 @48627 has 144 MA's), (Start: 21 @48642 has 3 MA's), (56, 48789), (73, 48927),

Gene: Cactus_79 Start: 47576, Stop: 47989, Start Num: 16
Candidate Starts for Cactus_79:
(Start: 16 @47576 has 144 MA's), (Start: 21 @47591 has 3 MA's), (56, 47738), (73, 47876),

Gene: Cardigan_130 Start: 73527, Stop: 73958, Start Num: 25
Candidate Starts for Cardigan_130:
(Start: 25 @73527 has 10 MA's), (35, 73572), (37, 73578), (45, 73611), (73, 73806), (74, 73809), (75, 73815), (88, 73914), (92, 73938),

Gene: ChosenOne_76 Start: 47576, Stop: 47989, Start Num: 16
Candidate Starts for ChosenOne_76:
(Start: 16 @47576 has 144 MA's), (Start: 21 @47591 has 3 MA's), (56, 47738), (73, 47876),

Gene: ChotaBhai_76 Start: 47900, Stop: 48313, Start Num: 16
Candidate Starts for ChotaBhai_76:
(Start: 16 @47900 has 144 MA's), (Start: 21 @47915 has 3 MA's), (60, 48092), (73, 48200), (79, 48227),

Gene: Cjw1_76 Start: 49273, Stop: 49686, Start Num: 16
Candidate Starts for Cjw1_76:
(Start: 16 @49273 has 144 MA's), (Start: 21 @49288 has 3 MA's), (56, 49435), (73, 49573),

Gene: ClubL_119 Start: 67337, Stop: 67714, Start Num: 31
Candidate Starts for ClubL_119:
(18, 67292), (Start: 31 @67337 has 17 MA's), (44, 67397), (73, 67595), (75, 67604), (76, 67607), (77, 67616), (82, 67664),

Gene: Command613_78 Start: 48615, Stop: 49028, Start Num: 16
Candidate Starts for Command613_78:
(Start: 16 @48615 has 144 MA's), (Start: 21 @48630 has 3 MA's), (56, 48777), (73, 48915),

Gene: Contagion_72 Start: 47376, Stop: 47789, Start Num: 16
Candidate Starts for Contagion_72:

(Start: 16 @47376 has 144 MA's), (Start: 21 @47391 has 3 MA's), (56, 47538), (73, 47676),

Gene: Cookies_73 Start: 47757, Stop: 48170, Start Num: 16
Candidate Starts for Cookies_73:
(Start: 16 @47757 has 144 MA's), (Start: 21 @47772 has 3 MA's), (60, 47949), (73, 48057), (79, 48084),

Gene: CrystalP_75 Start: 48560, Stop: 48973, Start Num: 16
Candidate Starts for CrystalP_75:
(Start: 16 @48560 has 144 MA's), (Start: 21 @48575 has 3 MA's), (56, 48722), (73, 48860),

Gene: Cucurbita_119 Start: 68902, Stop: 69279, Start Num: 31
Candidate Starts for Cucurbita_119:
(18, 68857), (Start: 31 @68902 has 17 MA's), (44, 68962), (73, 69160), (75, 69169), (76, 69172), (77, 69181), (82, 69229), (86, 69259),

Gene: Cuke_98 Start: 56091, Stop: 56588, Start Num: 10
Candidate Starts for Cuke_98:
(Start: 10 @56091 has 1 MA's), (15, 56127), (17, 56139), (33, 56202), (48, 56259), (63, 56370), (66, 56400), (69, 56415), (71, 56427), (73, 56442), (74, 56445), (91, 56565),

Gene: Culver_119 Start: 67097, Stop: 67474, Start Num: 31
Candidate Starts for Culver_119:
(18, 67052), (Start: 31 @67097 has 17 MA's), (44, 67157), (73, 67355), (75, 67364), (76, 67367), (77, 67376), (82, 67424), (86, 67454),

Gene: Czyszczon1_77 Start: 48082, Stop: 48495, Start Num: 16
Candidate Starts for Czyszczon1_77:
(Start: 16 @48082 has 144 MA's), (Start: 21 @48097 has 3 MA's), (56, 48244), (73, 48382),

Gene: Daikon_78 Start: 48703, Stop: 49116, Start Num: 16
Candidate Starts for Daikon_78:
(Start: 16 @48703 has 144 MA's), (Start: 21 @48718 has 3 MA's), (56, 48865), (73, 49003),

Gene: Daredevil_46 Start: 39668, Stop: 40063, Start Num: 31
Candidate Starts for Daredevil_46:
(Start: 31 @39668 has 17 MA's), (65, 39860), (73, 39917), (74, 39920), (77, 39938),

Gene: Diminimus_125 Start: 65027, Stop: 65524, Start Num: 16
Candidate Starts for Diminimus_125:
(4, 64925), (Start: 11 @64985 has 1 MA's), (Start: 16 @65027 has 144 MA's), (19, 65039), (Start: 31 @65081 has 17 MA's), (36, 65105), (58, 65216), (60, 65231), (73, 65339), (77, 65360), (82, 65408),

Gene: DoctorDiddles_75 Start: 47944, Stop: 48357, Start Num: 16
Candidate Starts for DoctorDiddles_75:
(Start: 16 @47944 has 144 MA's), (Start: 21 @47959 has 3 MA's), (60, 48136), (73, 48244), (79, 48271),

Gene: DrDrey_76 Start: 49001, Stop: 49414, Start Num: 16
Candidate Starts for DrDrey_76:
(Start: 16 @49001 has 144 MA's), (Start: 21 @49016 has 3 MA's), (56, 49163), (73, 49301),

Gene: Dulcita_125 Start: 65028, Stop: 65525, Start Num: 16

Candidate Starts for Dulcita_125:
(4, 64926), (Start: 11 @64986 has 1 MA's), (Start: 16 @65028 has 144 MA's), (19, 65040), (Start: 31 @65082 has 17 MA's), (36, 65106), (58, 65217), (60, 65232), (73, 65340), (77, 65361), (82, 65409),

Gene: Dumbo_76 Start: 47481, Stop: 47894, Start Num: 16
Candidate Starts for Dumbo_76:
(Start: 16 @47481 has 144 MA's), (Start: 21 @47496 has 3 MA's), (56, 47643), (73, 47781),

Gene: Dusk_73 Start: 47781, Stop: 48194, Start Num: 16
Candidate Starts for Dusk_73:
(Start: 16 @47781 has 144 MA's), (Start: 21 @47796 has 3 MA's), (56, 47943), (73, 48081),

Gene: Dusty_116 Start: 67309, Stop: 67686, Start Num: 31
Candidate Starts for Dusty_116:
(18, 67264), (Start: 31 @67309 has 17 MA's), (44, 67369), (73, 67567), (75, 67576), (76, 67579), (77, 67588), (82, 67636),

Gene: Easy2Say_77 Start: 49025, Stop: 49438, Start Num: 16
Candidate Starts for Easy2Say_77:
(Start: 16 @49025 has 144 MA's), (Start: 21 @49040 has 3 MA's), (56, 49187), (73, 49325),

Gene: Elite2014_75 Start: 47575, Stop: 47988, Start Num: 16
Candidate Starts for Elite2014_75:
(Start: 16 @47575 has 144 MA's), (Start: 21 @47590 has 3 MA's), (56, 47737), (73, 47875),

Gene: Elph10_76 Start: 47580, Stop: 47993, Start Num: 16
Candidate Starts for Elph10_76:
(Start: 16 @47580 has 144 MA's), (Start: 21 @47595 has 3 MA's), (56, 47742), (73, 47880),

Gene: Emmina_76 Start: 47482, Stop: 47895, Start Num: 16
Candidate Starts for Emmina_76:
(Start: 16 @47482 has 144 MA's), (Start: 21 @47497 has 3 MA's), (56, 47644), (73, 47782),

Gene: Engineer_119 Start: 68380, Stop: 68757, Start Num: 31
Candidate Starts for Engineer_119:
(18, 68335), (Start: 31 @68380 has 17 MA's), (44, 68440), (73, 68638), (75, 68647), (76, 68650), (77, 68659), (82, 68707),

Gene: Estes_140 Start: 66866, Stop: 67351, Start Num: 16
Candidate Starts for Estes_140:
(15, 66857), (Start: 16 @66866 has 144 MA's), (48, 66980), (53, 67001), (58, 67043), (73, 67166), (77, 67187), (82, 67235), (86, 67265),

Gene: Eureka_74 Start: 48046, Stop: 48459, Start Num: 16
Candidate Starts for Eureka_74:
(Start: 16 @48046 has 144 MA's), (Start: 21 @48061 has 3 MA's), (56, 48208), (73, 48346),

Gene: FairyPath_76 Start: 48694, Stop: 49107, Start Num: 16
Candidate Starts for FairyPath_76:
(Start: 16 @48694 has 144 MA's), (Start: 21 @48709 has 3 MA's), (60, 48886), (73, 48994), (79, 49021),

Gene: Filch_77 Start: 47507, Stop: 47920, Start Num: 16

Candidate Starts for Filch_77:
(Start: 16 @47507 has 144 MA's), (Start: 21 @47522 has 3 MA's), (56, 47669), (73, 47807),

Gene: FireRed_80 Start: 49069, Stop: 49482, Start Num: 16
Candidate Starts for FireRed_80:
(Start: 16 @49069 has 144 MA's), (Start: 21 @49084 has 3 MA's), (56, 49231), (73, 49369),

Gene: Flypotenuse_72 Start: 47566, Stop: 47979, Start Num: 16
Candidate Starts for Flypotenuse_72:
(Start: 16 @47566 has 144 MA's), (Start: 21 @47581 has 3 MA's), (56, 47728), (73, 47866),

Gene: FoghornLeghorn_70 Start: 46594, Stop: 46992, Start Num: 21
Candidate Starts for FoghornLeghorn_70:
(Start: 16 @46579 has 144 MA's), (Start: 21 @46594 has 3 MA's), (56, 46741), (73, 46879),

Gene: FreakyGoo_125 Start: 65512, Stop: 66009, Start Num: 16
Candidate Starts for FreakyGoo_125:
(4, 65410), (Start: 11 @65470 has 1 MA's), (Start: 16 @65512 has 144 MA's), (Start: 31 @65566 has 17 MA's), (36, 65590), (58, 65701), (60, 65716), (73, 65824), (77, 65845), (82, 65893),

Gene: Fudan_172 Start: 88216, Stop: 88614, Start Num: 25
Candidate Starts for Fudan_172:
(Start: 25 @88216 has 10 MA's), (30, 88228), (49, 88312), (50, 88318), (55, 88342), (73, 88483), (78, 88507), (82, 88552), (84, 88564), (90, 88597),

Gene: GMA3_55 Start: 48480, Stop: 48010, Start Num: 27
Candidate Starts for GMA3_55:
(27, 48480), (39, 48420), (73, 48225), (82, 48156), (84, 48144), (85, 48138), (93, 48081),

Gene: Gage_78 Start: 48359, Stop: 48772, Start Num: 16
Candidate Starts for Gage_78:
(Start: 16 @48359 has 144 MA's), (Start: 21 @48374 has 3 MA's), (56, 48521), (73, 48659),

Gene: GardenSalsa_140 Start: 66997, Stop: 67482, Start Num: 16
Candidate Starts for GardenSalsa_140:
(15, 66988), (Start: 16 @66997 has 144 MA's), (48, 67111), (73, 67297), (77, 67318), (79, 67324), (82, 67366), (86, 67396),

Gene: Garnacho_161 Start: 87772, Stop: 88170, Start Num: 26
Candidate Starts for Garnacho_161:
(Start: 26 @87772 has 1 MA's), (52, 87877), (73, 88039), (78, 88063), (81, 88078), (82, 88108), (84, 88120), (90, 88153),

Gene: Gator_74 Start: 48412, Stop: 48825, Start Num: 16
Candidate Starts for Gator_74:
(Start: 16 @48412 has 144 MA's), (Start: 21 @48427 has 3 MA's), (56, 48574), (73, 48712),

Gene: Geeche_117 Start: 67532, Stop: 67909, Start Num: 31
Candidate Starts for Geeche_117:
(18, 67487), (Start: 31 @67532 has 17 MA's), (44, 67592), (73, 67790), (75, 67799), (76, 67802), (77, 67811), (82, 67859),

Gene: Gemini_81 Start: 48876, Stop: 49289, Start Num: 16

Candidate Starts for Gemini_81:
(Start: 16 @48876 has 144 MA's), (Start: 21 @48891 has 3 MA's), (56, 49038), (73, 49176),

Gene: GenevaB15_142 Start: 66655, Stop: 67140, Start Num: 16
Candidate Starts for GenevaB15_142:
(15, 66646), (Start: 16 @66655 has 144 MA's), (48, 66769), (57, 66814), (58, 66832), (73, 66955), (77, 66976), (82, 67024),

Gene: GiJojo_160 Start: 88793, Stop: 89200, Start Num: 25
Candidate Starts for GiJojo_160:
(Start: 25 @88793 has 10 MA's), (34, 88832), (47, 88889), (70, 89054), (73, 89069), (78, 89093), (81, 89108), (82, 89138), (84, 89150), (87, 89174), (89, 89180),

Gene: Glaske16_127 Start: 66146, Stop: 66643, Start Num: 16
Candidate Starts for Glaske16_127:
(4, 66044), (Start: 11 @66104 has 1 MA's), (Start: 16 @66146 has 144 MA's), (19, 66158), (Start: 31 @66200 has 17 MA's), (36, 66224), (58, 66335), (60, 66350), (73, 66458), (77, 66479), (82, 66527),

Gene: Glexan_75 Start: 48696, Stop: 49109, Start Num: 16
Candidate Starts for Glexan_75:
(Start: 16 @48696 has 144 MA's), (Start: 21 @48711 has 3 MA's), (56, 48858), (73, 48996),

Gene: Goku_74 Start: 47775, Stop: 48188, Start Num: 16
Candidate Starts for Goku_74:
(Start: 16 @47775 has 144 MA's), (Start: 21 @47790 has 3 MA's), (56, 47937), (73, 48075),

Gene: GoldenSpark_80 Start: 48359, Stop: 48772, Start Num: 16
Candidate Starts for GoldenSpark_80:
(Start: 16 @48359 has 144 MA's), (Start: 21 @48374 has 3 MA's), (56, 48521), (73, 48659),

Gene: Goldilocks_79 Start: 47857, Stop: 48270, Start Num: 16
Candidate Starts for Goldilocks_79:
(Start: 16 @47857 has 144 MA's), (Start: 21 @47872 has 3 MA's), (56, 48019), (73, 48157),

Gene: GooberAzure_79 Start: 48359, Stop: 48772, Start Num: 16
Candidate Starts for GooberAzure_79:
(Start: 16 @48359 has 144 MA's), (Start: 21 @48374 has 3 MA's), (56, 48521), (73, 48659),

Gene: Grayson_55 Start: 20751, Stop: 20332, Start Num: 25
Candidate Starts for Grayson_55:
(Start: 25 @20751 has 10 MA's), (44, 20676), (61, 20586), (73, 20481), (83, 20406),

Gene: Greep_80 Start: 49358, Stop: 49771, Start Num: 16
Candidate Starts for Greep_80:
(Start: 16 @49358 has 144 MA's), (Start: 21 @49373 has 3 MA's), (56, 49520), (73, 49658),

Gene: HanKaySha_76 Start: 47660, Stop: 48073, Start Num: 16
Candidate Starts for HanKaySha_76:
(Start: 16 @47660 has 144 MA's), (Start: 21 @47675 has 3 MA's), (56, 47822), (73, 47960),

Gene: Harella_76 Start: 49212, Stop: 49625, Start Num: 16
Candidate Starts for Harella_76:
(Start: 16 @49212 has 144 MA's), (Start: 21 @49227 has 3 MA's), (56, 49374), (73, 49512),

Gene: Henry_74 Start: 48000, Stop: 48413, Start Num: 16
Candidate Starts for Henry_74:
(Start: 16 @48000 has 144 MA's), (Start: 21 @48015 has 3 MA's), (56, 48162), (73, 48300),

Gene: Highbury_75 Start: 47648, Stop: 48061, Start Num: 16
Candidate Starts for Highbury_75:
(Start: 16 @47648 has 144 MA's), (Start: 21 @47663 has 3 MA's), (56, 47810), (73, 47948),

Gene: Holt_81 Start: 48773, Stop: 49186, Start Num: 16
Candidate Starts for Holt_81:
(Start: 16 @48773 has 144 MA's), (Start: 21 @48788 has 3 MA's), (56, 48935), (73, 49073),

Gene: Hoonter_79 Start: 48359, Stop: 48772, Start Num: 16
Candidate Starts for Hoonter_79:
(Start: 16 @48359 has 144 MA's), (Start: 21 @48374 has 3 MA's), (56, 48521), (73, 48659),

Gene: Hopey_76 Start: 48192, Stop: 48605, Start Num: 16
Candidate Starts for Hopey_76:
(Start: 16 @48192 has 144 MA's), (Start: 21 @48207 has 3 MA's), (56, 48354), (73, 48492),

Gene: HufflyPuff_79 Start: 49025, Stop: 49438, Start Num: 16
Candidate Starts for HufflyPuff_79:
(Start: 16 @49025 has 144 MA's), (Start: 21 @49040 has 3 MA's), (56, 49187), (73, 49325),

Gene: IHOP_74 Start: 48124, Stop: 48537, Start Num: 16
Candidate Starts for IHOP_74:
(Start: 16 @48124 has 144 MA's), (Start: 21 @48139 has 3 MA's), (56, 48286), (73, 48424),

Gene: IPhane7_122 Start: 65032, Stop: 65529, Start Num: 16
Candidate Starts for IPhane7_122:
(4, 64930), (Start: 11 @64990 has 1 MA's), (Start: 16 @65032 has 144 MA's), (Start: 31 @65086 has 17 MA's), (36, 65110), (58, 65221), (60, 65236), (73, 65344), (77, 65365), (82, 65413),

Gene: Icee_77 Start: 48023, Stop: 48436, Start Num: 16
Candidate Starts for Icee_77:
(Start: 16 @48023 has 144 MA's), (Start: 21 @48038 has 3 MA's), (56, 48185), (73, 48323),

Gene: Inca_73 Start: 46649, Stop: 47062, Start Num: 16
Candidate Starts for Inca_73:
(Start: 16 @46649 has 144 MA's), (Start: 21 @46664 has 3 MA's), (56, 46811), (73, 46949),

Gene: Izel_125 Start: 65027, Stop: 65524, Start Num: 16
Candidate Starts for Izel_125:
(4, 64925), (Start: 11 @64985 has 1 MA's), (Start: 16 @65027 has 144 MA's), (19, 65039), (Start: 31 @65081 has 17 MA's), (36, 65105), (58, 65216), (60, 65231), (73, 65339), (77, 65360), (82, 65408),

Gene: JeTaime_76 Start: 48841, Stop: 49254, Start Num: 16
Candidate Starts for JeTaime_76:
(Start: 16 @48841 has 144 MA's), (Start: 21 @48856 has 3 MA's), (56, 49003), (73, 49141),

Gene: JonJames_129 Start: 74477, Stop: 74908, Start Num: 25
Candidate Starts for JonJames_129:

(Start: 25 @74477 has 10 MA's), (35, 74522), (37, 74528), (42, 74552), (45, 74561), (73, 74756), (74, 74759), (75, 74765), (88, 74864), (92, 74888),

Gene: Kanye_73 Start: 47705, Stop: 48118, Start Num: 16
Candidate Starts for Kanye_73:
(Start: 16 @47705 has 144 MA's), (Start: 21 @47720 has 3 MA's), (56, 47867), (73, 48005),

Gene: Kimchi_80 Start: 48362, Stop: 48775, Start Num: 16
Candidate Starts for Kimchi_80:
(Start: 16 @48362 has 144 MA's), (Start: 21 @48377 has 3 MA's), (56, 48524), (73, 48662),

Gene: KleverKiS_127 Start: 66517, Stop: 67014, Start Num: 16
Candidate Starts for KleverKiS_127:
(4, 66415), (Start: 11 @66475 has 1 MA's), (Start: 16 @66517 has 144 MA's), (Start: 31 @66571 has 17 MA's), (36, 66595), (58, 66706), (60, 66721), (73, 66829), (77, 66850), (82, 66898),

Gene: Kostya_76 Start: 48238, Stop: 48636, Start Num: 21
Candidate Starts for Kostya_76:
(Start: 16 @48223 has 144 MA's), (Start: 21 @48238 has 3 MA's), (56, 48385), (73, 48523),

Gene: Lilac_78 Start: 47977, Stop: 48390, Start Num: 16
Candidate Starts for Lilac_78:
(Start: 16 @47977 has 144 MA's), (Start: 21 @47992 has 3 MA's), (56, 48139), (73, 48277),

Gene: LilhomieP_124 Start: 66310, Stop: 66807, Start Num: 16
Candidate Starts for LilhomieP_124:
(4, 66208), (Start: 11 @66268 has 1 MA's), (Start: 16 @66310 has 144 MA's), (Start: 31 @66364 has 17 MA's), (36, 66388), (58, 66499), (60, 66514), (73, 66622), (77, 66643), (82, 66691),

Gene: Lilizi_77 Start: 47690, Stop: 48103, Start Num: 16
Candidate Starts for Lilizi_77:
(Start: 16 @47690 has 144 MA's), (Start: 21 @47705 has 3 MA's), (56, 47852), (73, 47990),

Gene: Lilpickle_75 Start: 47575, Stop: 47988, Start Num: 16
Candidate Starts for Lilpickle_75:
(Start: 16 @47575 has 144 MA's), (Start: 21 @47590 has 3 MA's), (56, 47737), (73, 47875),

Gene: Lozinak_118 Start: 68218, Stop: 68595, Start Num: 31
Candidate Starts for Lozinak_118:
(18, 68173), (Start: 31 @68218 has 17 MA's), (44, 68278), (73, 68476), (75, 68485), (76, 68488), (77, 68497), (82, 68545), (86, 68575),

Gene: LuckySocke_170 Start: 88165, Stop: 88563, Start Num: 25
Candidate Starts for LuckySocke_170:
(Start: 25 @88165 has 10 MA's), (30, 88177), (49, 88261), (50, 88267), (55, 88291), (73, 88432), (78, 88456), (82, 88501), (84, 88513), (90, 88546),

Gene: MISSy_77 Start: 48096, Stop: 48494, Start Num: 21
Candidate Starts for MISSy_77:
(Start: 16 @48081 has 144 MA's), (Start: 21 @48096 has 3 MA's), (56, 48243), (73, 48381),

Gene: MPhalcon_77 Start: 48074, Stop: 48487, Start Num: 16
Candidate Starts for MPhalcon_77:

(Start: 16 @48074 has 144 MA's), (Start: 21 @48089 has 3 MA's), (56, 48236), (73, 48374),

Gene: MadamMonkfish_76 Start: 47299, Stop: 47712, Start Num: 16
Candidate Starts for MadamMonkfish_76:
(Start: 16 @47299 has 144 MA's), (Start: 21 @47314 has 3 MA's), (56, 47461), (73, 47599),

Gene: Manda_77 Start: 49161, Stop: 49574, Start Num: 16
Candidate Starts for Manda_77:
(Start: 16 @49161 has 144 MA's), (Start: 21 @49176 has 3 MA's), (56, 49323), (73, 49461),

Gene: Marshmallow_74 Start: 48854, Stop: 49267, Start Num: 16
Candidate Starts for Marshmallow_74:
(Start: 16 @48854 has 144 MA's), (Start: 21 @48869 has 3 MA's), (60, 49046), (73, 49154), (79, 49181),

Gene: Maxxinista_78 Start: 47950, Stop: 48363, Start Num: 16
Candidate Starts for Maxxinista_78:
(Start: 16 @47950 has 144 MA's), (Start: 21 @47965 has 3 MA's), (56, 48112), (73, 48250),

Gene: Mindy_75 Start: 47166, Stop: 47579, Start Num: 16
Candidate Starts for Mindy_75:
(Start: 16 @47166 has 144 MA's), (Start: 21 @47181 has 3 MA's), (56, 47328), (73, 47466),

Gene: Miniwave_71 Start: 47619, Stop: 48032, Start Num: 16
Candidate Starts for Miniwave_71:
(Start: 16 @47619 has 144 MA's), (Start: 21 @47634 has 3 MA's), (56, 47781), (73, 47919),

Gene: Misfit_77 Start: 49093, Stop: 49506, Start Num: 16
Candidate Starts for Misfit_77:
(Start: 16 @49093 has 144 MA's), (Start: 21 @49108 has 3 MA's), (56, 49255), (73, 49393),

Gene: Miskis_113 Start: 67235, Stop: 67612, Start Num: 31
Candidate Starts for Miskis_113:
(18, 67190), (Start: 31 @67235 has 17 MA's), (44, 67295), (73, 67493), (75, 67502), (76, 67505), (77, 67514), (82, 67562), (86, 67592),

Gene: Moldemort_79 Start: 48178, Stop: 48591, Start Num: 16
Candidate Starts for Moldemort_79:
(Start: 16 @48178 has 144 MA's), (Start: 21 @48193 has 3 MA's), (56, 48340), (73, 48478),

Gene: MollyToe_71 Start: 46920, Stop: 47333, Start Num: 16
Candidate Starts for MollyToe_71:
(Start: 16 @46920 has 144 MA's), (Start: 21 @46935 has 3 MA's), (56, 47082), (73, 47220),

Gene: Mosby_72 Start: 47376, Stop: 47789, Start Num: 16
Candidate Starts for Mosby_72:
(Start: 16 @47376 has 144 MA's), (Start: 21 @47391 has 3 MA's), (56, 47538), (73, 47676),

Gene: MrMagoo_142 Start: 66998, Stop: 67483, Start Num: 16
Candidate Starts for MrMagoo_142:
(15, 66989), (Start: 16 @66998 has 144 MA's), (48, 67112), (73, 67298), (77, 67319), (79, 67325), (82, 67367), (86, 67397),

Gene: Murica_79 Start: 49025, Stop: 49438, Start Num: 16
Candidate Starts for Murica_79:
(Start: 16 @49025 has 144 MA's), (Start: 21 @49040 has 3 MA's), (56, 49187), (73, 49325),

Gene: Murphy_76 Start: 48462, Stop: 48875, Start Num: 16
Candidate Starts for Murphy_76:
(Start: 16 @48462 has 144 MA's), (Start: 21 @48477 has 3 MA's), (56, 48624), (73, 48762),

Gene: Myrale_76 Start: 48719, Stop: 49132, Start Num: 16
Candidate Starts for Myrale_76:
(Start: 16 @48719 has 144 MA's), (Start: 21 @48734 has 3 MA's), (56, 48881), (73, 49019),

Gene: Nala_78 Start: 48583, Stop: 48996, Start Num: 16
Candidate Starts for Nala_78:
(Start: 16 @48583 has 144 MA's), (Start: 21 @48598 has 3 MA's), (56, 48745), (73, 48883),

Gene: Nanosmite_135 Start: 66876, Stop: 67361, Start Num: 16
Candidate Starts for Nanosmite_135:
(Start: 16 @66876 has 144 MA's), (36, 66954), (48, 66990), (57, 67035), (58, 67053), (73, 67176), (77, 67197), (82, 67245),

Gene: NelitzaMV_74 Start: 47665, Stop: 48078, Start Num: 16
Candidate Starts for NelitzaMV_74:
(Start: 16 @47665 has 144 MA's), (Start: 21 @47680 has 3 MA's), (56, 47827), (73, 47965),

Gene: Nimrod_77 Start: 49286, Stop: 49699, Start Num: 16
Candidate Starts for Nimrod_77:
(Start: 16 @49286 has 144 MA's), (Start: 21 @49301 has 3 MA's), (56, 49448), (73, 49586),

Gene: NoSleep_77 Start: 47920, Stop: 48333, Start Num: 16
Candidate Starts for NoSleep_77:
(Start: 16 @47920 has 144 MA's), (Start: 21 @47935 has 3 MA's), (56, 48082), (73, 48220),

Gene: NonchalantPear_74 Start: 47773, Stop: 48186, Start Num: 16
Candidate Starts for NonchalantPear_74:
(Start: 16 @47773 has 144 MA's), (Start: 21 @47788 has 3 MA's), (56, 47935), (73, 48073),

Gene: Norvs_118 Start: 67819, Stop: 68196, Start Num: 31
Candidate Starts for Norvs_118:
(18, 67774), (Start: 31 @67819 has 17 MA's), (44, 67879), (73, 68077), (75, 68086), (76, 68089), (77, 68098), (82, 68146),

Gene: Omega_177 Start: 91771, Stop: 92247, Start Num: 9
Candidate Starts for Omega_177:
(Start: 9 @91771 has 1 MA's), (22, 91846), (38, 91915), (40, 91927), (45, 91942), (54, 91978), (55, 91990), (68, 92098), (73, 92128), (74, 92131), (86, 92227),

Gene: OneUp_103 Start: 65646, Stop: 66053, Start Num: 24
Candidate Starts for OneUp_103:
(12, 65583), (Start: 24 @65646 has 1 MA's), (Start: 31 @65676 has 17 MA's), (41, 65727), (46, 65742), (62, 65832), (65, 65877), (73, 65934), (75, 65943), (76, 65946), (88, 66042),

Gene: OrionPax_75 Start: 47671, Stop: 48084, Start Num: 16

Candidate Starts for OrionPax_75:
(Start: 16 @47671 has 144 MA's), (Start: 21 @47686 has 3 MA's), (56, 47833), (73, 47971),

Gene: PaddyBaddy_76 Start: 47674, Stop: 48087, Start Num: 16
Candidate Starts for PaddyBaddy_76:
(Start: 16 @47674 has 144 MA's), (Start: 21 @47689 has 3 MA's), (56, 47836), (73, 47974),

Gene: Palpatine_78 Start: 49067, Stop: 49465, Start Num: 21
Candidate Starts for Palpatine_78:
(Start: 16 @49052 has 144 MA's), (Start: 21 @49067 has 3 MA's), (56, 49214), (73, 49352),

Gene: Paperbeatsrock_75 Start: 48297, Stop: 48710, Start Num: 16
Candidate Starts for Paperbeatsrock_75:
(Start: 16 @48297 has 144 MA's), (Start: 21 @48312 has 3 MA's), (56, 48459), (73, 48597),

Gene: Park1214_180 Start: 89343, Stop: 89732, Start Num: 25
Candidate Starts for Park1214_180:
(14, 89289), (Start: 25 @89343 has 10 MA's), (30, 89355), (55, 89460), (57, 89466), (73, 89601), (78, 89625), (82, 89670), (84, 89682), (90, 89715),

Gene: Pat3_74 Start: 46829, Stop: 47242, Start Num: 16
Candidate Starts for Pat3_74:
(Start: 16 @46829 has 144 MA's), (Start: 21 @46844 has 3 MA's), (56, 46991), (73, 47129),

Gene: PegLeg_127 Start: 66152, Stop: 66691, Start Num: 11
Candidate Starts for PegLeg_127:
(4, 66092), (Start: 11 @66152 has 1 MA's), (Start: 16 @66194 has 144 MA's), (19, 66206), (Start: 31 @66248 has 17 MA's), (36, 66272), (57, 66365), (58, 66383), (60, 66398), (73, 66506), (77, 66527), (82, 66575),

Gene: Peregrin_54 Start: 20303, Stop: 19884, Start Num: 25
Candidate Starts for Peregrin_54:
(23, 20312), (Start: 25 @20303 has 10 MA's), (44, 20228), (59, 20153), (73, 20033), (83, 19958),

Gene: Petra64142_80 Start: 49516, Stop: 49929, Start Num: 16
Candidate Starts for Petra64142_80:
(Start: 16 @49516 has 144 MA's), (Start: 21 @49531 has 3 MA's), (56, 49678), (73, 49816),

Gene: Phaja_74 Start: 48123, Stop: 48536, Start Num: 16
Candidate Starts for Phaja_74:
(Start: 16 @48123 has 144 MA's), (Start: 21 @48138 has 3 MA's), (56, 48285), (73, 48423),

Gene: Pharsalus_73 Start: 48097, Stop: 48510, Start Num: 16
Candidate Starts for Pharsalus_73:
(Start: 16 @48097 has 144 MA's), (Start: 21 @48112 has 3 MA's), (56, 48259), (73, 48397),

Gene: PhatBacter_80 Start: 49069, Stop: 49482, Start Num: 16
Candidate Starts for PhatBacter_80:
(Start: 16 @49069 has 144 MA's), (Start: 21 @49084 has 3 MA's), (56, 49231), (73, 49369),

Gene: Phaux_78 Start: 49064, Stop: 49477, Start Num: 16
Candidate Starts for Phaux_78:
(Start: 16 @49064 has 144 MA's), (Start: 21 @49079 has 3 MA's), (56, 49226), (73, 49364),

Gene: PhinkBoden_118 Start: 68507, Stop: 68884, Start Num: 31
Candidate Starts for PhinkBoden_118:
(18, 68462), (Start: 31 @68507 has 17 MA's), (44, 68567), (73, 68765), (75, 68774), (76, 68777), (77, 68786), (82, 68834), (86, 68864),

Gene: Phrux_73 Start: 47660, Stop: 48073, Start Num: 16
Candidate Starts for Phrux_73:
(Start: 16 @47660 has 144 MA's), (Start: 21 @47675 has 3 MA's), (56, 47822), (73, 47960),

Gene: Policronamos_79 Start: 49064, Stop: 49477, Start Num: 16
Candidate Starts for Policronamos_79:
(Start: 16 @49064 has 144 MA's), (Start: 21 @49079 has 3 MA's), (56, 49226), (73, 49364),

Gene: Porky_75 Start: 47490, Stop: 47903, Start Num: 16
Candidate Starts for Porky_75:
(Start: 16 @47490 has 144 MA's), (Start: 21 @47505 has 3 MA's), (56, 47652), (73, 47790),

Gene: Ptowny_73 Start: 46959, Stop: 47372, Start Num: 16
Candidate Starts for Ptowny_73:
(Start: 16 @46959 has 144 MA's), (Start: 21 @46974 has 3 MA's), (56, 47121), (73, 47259),

Gene: Pumpkin_79 Start: 48718, Stop: 49131, Start Num: 16
Candidate Starts for Pumpkin_79:
(Start: 16 @48718 has 144 MA's), (Start: 21 @48733 has 3 MA's), (56, 48880), (73, 49018),

Gene: Quallification_77 Start: 48705, Stop: 49118, Start Num: 16
Candidate Starts for Quallification_77:
(Start: 16 @48705 has 144 MA's), (Start: 21 @48720 has 3 MA's), (56, 48867), (73, 49005),

Gene: Rakim_77 Start: 48174, Stop: 48587, Start Num: 16
Candidate Starts for Rakim_77:
(Start: 16 @48174 has 144 MA's), (Start: 21 @48189 has 3 MA's), (56, 48336), (73, 48474),

Gene: Reindeer_128 Start: 67626, Stop: 68123, Start Num: 16
Candidate Starts for Reindeer_128:
(Start: 16 @67626 has 144 MA's), (Start: 31 @67680 has 17 MA's), (32, 67686), (36, 67704), (44, 67740), (57, 67797), (58, 67815), (60, 67830), (71, 67923), (73, 67938), (77, 67959), (79, 67965), (82, 68007),

Gene: Rey_142 Start: 66571, Stop: 67056, Start Num: 16
Candidate Starts for Rey_142:
(2, 66394), (3, 66466), (5, 66475), (6, 66499), (7, 66502), (Start: 16 @66571 has 144 MA's), (48, 66685), (57, 66730), (58, 66748), (73, 66871), (77, 66892), (82, 66940), (86, 66970), (94, 67027),

Gene: Rimmer_77 Start: 48410, Stop: 48823, Start Num: 16
Candidate Starts for Rimmer_77:
(Start: 16 @48410 has 144 MA's), (Start: 21 @48425 has 3 MA's), (56, 48572), (73, 48710),

Gene: RiverMonster_76 Start: 48238, Stop: 48651, Start Num: 16
Candidate Starts for RiverMonster_76:
(Start: 16 @48238 has 144 MA's), (Start: 21 @48253 has 3 MA's), (56, 48400), (73, 48538),

Gene: RoseMarie_134 Start: 69165, Stop: 69662, Start Num: 16
Candidate Starts for RoseMarie_134:
(4, 69063), (Start: 11 @69123 has 1 MA's), (13, 69132), (Start: 16 @69165 has 144 MA's), (19, 69177), (Start: 31 @69219 has 17 MA's), (36, 69243), (43, 69276), (57, 69336), (58, 69354), (60, 69369), (73, 69477), (77, 69498), (82, 69546), (94, 69633),

Gene: Saints25_75 Start: 47648, Stop: 48061, Start Num: 16
Candidate Starts for Saints25_75:
(Start: 16 @47648 has 144 MA's), (Start: 21 @47663 has 3 MA's), (56, 47810), (73, 47948),

Gene: Sassay_71 Start: 46338, Stop: 46751, Start Num: 16
Candidate Starts for Sassay_71:
(Start: 16 @46338 has 144 MA's), (Start: 21 @46353 has 3 MA's), (56, 46500), (73, 46638),

Gene: ShamWow_76 Start: 48560, Stop: 48973, Start Num: 16
Candidate Starts for ShamWow_76:
(Start: 16 @48560 has 144 MA's), (Start: 21 @48575 has 3 MA's), (56, 48722), (73, 48860),

Gene: Simpliphy_75 Start: 47638, Stop: 48051, Start Num: 16
Candidate Starts for Simpliphy_75:
(Start: 16 @47638 has 144 MA's), (Start: 21 @47653 has 3 MA's), (56, 47800), (73, 47938),

Gene: SirDuracell_75 Start: 46924, Stop: 47337, Start Num: 16
Candidate Starts for SirDuracell_75:
(Start: 16 @46924 has 144 MA's), (Start: 21 @46939 has 3 MA's), (60, 47116), (73, 47224), (79, 47251),

Gene: Skinny_130 Start: 67311, Stop: 67808, Start Num: 16
Candidate Starts for Skinny_130:
(4, 67209), (Start: 11 @67269 has 1 MA's), (Start: 16 @67311 has 144 MA's), (19, 67323), (Start: 31 @67365 has 17 MA's), (36, 67389), (58, 67500), (60, 67515), (73, 67623), (77, 67644), (82, 67692),

Gene: SlimJimmy_123 Start: 66020, Stop: 66517, Start Num: 16
Candidate Starts for SlimJimmy_123:
(Start: 11 @65978 has 1 MA's), (Start: 16 @66020 has 144 MA's), (Start: 31 @66074 has 17 MA's), (36, 66098), (58, 66209), (60, 66224), (73, 66332), (77, 66353), (82, 66401),

Gene: Smoothie_119 Start: 68218, Stop: 68595, Start Num: 31
Candidate Starts for Smoothie_119:
(18, 68173), (Start: 31 @68218 has 17 MA's), (44, 68278), (73, 68476), (75, 68485), (76, 68488), (77, 68497), (82, 68545), (86, 68575),

Gene: SophKB_73 Start: 47316, Stop: 47729, Start Num: 16
Candidate Starts for SophKB_73:
(Start: 16 @47316 has 144 MA's), (Start: 21 @47331 has 3 MA's), (56, 47478), (73, 47616),

Gene: Sotrice96_77 Start: 48319, Stop: 48732, Start Num: 16
Candidate Starts for Sotrice96_77:
(Start: 16 @48319 has 144 MA's), (Start: 21 @48334 has 3 MA's), (56, 48481), (73, 48619),

Gene: SpeedDemon_560 Start: 46149, Stop: 46541, Start Num: 29
Candidate Starts for SpeedDemon_560:
(27, 46146), (Start: 29 @46149 has 2 MA's), (72, 46407), (73, 46410),

Gene: Stank_79 Start: 48577, Stop: 48990, Start Num: 16
Candidate Starts for Stank_79:
(Start: 16 @48577 has 144 MA's), (Start: 21 @48592 has 3 MA's), (56, 48739), (73, 48877),

Gene: Stark_77 Start: 48121, Stop: 48534, Start Num: 16
Candidate Starts for Stark_77:
(Start: 16 @48121 has 144 MA's), (Start: 21 @48136 has 3 MA's), (56, 48283), (73, 48421),

Gene: StellaBean_74 Start: 47884, Stop: 48297, Start Num: 16
Candidate Starts for StellaBean_74:
(Start: 16 @47884 has 144 MA's), (Start: 21 @47899 has 3 MA's), (56, 48046), (73, 48184),

Gene: StolenFromERC_79 Start: 48359, Stop: 48772, Start Num: 16
Candidate Starts for StolenFromERC_79:
(Start: 16 @48359 has 144 MA's), (Start: 21 @48374 has 3 MA's), (56, 48521), (73, 48659),

Gene: StormChicken_78 Start: 49017, Stop: 49430, Start Num: 16
Candidate Starts for StormChicken_78:
(Start: 16 @49017 has 144 MA's), (Start: 21 @49032 has 3 MA's), (56, 49179), (73, 49317),

Gene: TBrady12_79 Start: 48058, Stop: 48471, Start Num: 16
Candidate Starts for TBrady12_79:
(Start: 16 @48058 has 144 MA's), (Start: 21 @48073 has 3 MA's), (56, 48220), (73, 48358),

Gene: Talos_171 Start: 87963, Stop: 88352, Start Num: 25
Candidate Starts for Talos_171:
(14, 87903), (Start: 25 @87963 has 10 MA's), (30, 87975), (49, 88050), (55, 88080), (64, 88161), (73, 88221), (78, 88245), (82, 88290), (84, 88302), (90, 88335),

Gene: Tarkin_75 Start: 48306, Stop: 48719, Start Num: 16
Candidate Starts for Tarkin_75:
(Start: 16 @48306 has 144 MA's), (Start: 21 @48321 has 3 MA's), (56, 48468), (73, 48606),

Gene: TeamEdward_78 Start: 49011, Stop: 49424, Start Num: 16
Candidate Starts for TeamEdward_78:
(Start: 16 @49011 has 144 MA's), (Start: 21 @49026 has 3 MA's), (56, 49173), (73, 49311),

Gene: TeardropMSU_72 Start: 47306, Stop: 47719, Start Num: 16
Candidate Starts for TeardropMSU_72:
(Start: 16 @47306 has 144 MA's), (Start: 21 @47321 has 3 MA's), (56, 47468), (73, 47606),

Gene: Teaspoon_77 Start: 48200, Stop: 48613, Start Num: 16
Candidate Starts for Teaspoon_77:
(Start: 16 @48200 has 144 MA's), (Start: 21 @48215 has 3 MA's), (56, 48362), (73, 48500),

Gene: Terminus_79 Start: 49093, Stop: 49506, Start Num: 16
Candidate Starts for Terminus_79:
(Start: 16 @49093 has 144 MA's), (Start: 21 @49108 has 3 MA's), (56, 49255), (73, 49393),

Gene: Thimble_77 Start: 47541, Stop: 47954, Start Num: 16
Candidate Starts for Thimble_77:
(Start: 16 @47541 has 144 MA's), (Start: 21 @47556 has 3 MA's), (56, 47703), (73, 47841),

Gene: Thresher_78 Start: 49180, Stop: 49593, Start Num: 16
Candidate Starts for Thresher_78:
(Start: 16 @49180 has 144 MA's), (Start: 21 @49195 has 3 MA's), (56, 49342), (73, 49480),

Gene: Tomaszewski_71 Start: 47469, Stop: 47882, Start Num: 16
Candidate Starts for Tomaszewski_71:
(Start: 16 @47469 has 144 MA's), (Start: 21 @47484 has 3 MA's), (60, 47661), (73, 47769), (79, 47796),

Gene: Toniann_118 Start: 67752, Stop: 68129, Start Num: 31
Candidate Starts for Toniann_118:
(18, 67707), (Start: 31 @67752 has 17 MA's), (44, 67812), (73, 68010), (75, 68019), (76, 68022), (77, 68031), (82, 68079), (86, 68109),

Gene: Toto_74 Start: 48560, Stop: 48973, Start Num: 16
Candidate Starts for Toto_74:
(Start: 16 @48560 has 144 MA's), (Start: 21 @48575 has 3 MA's), (56, 48722), (73, 48860),

Gene: Towmatter_45 Start: 39505, Stop: 39900, Start Num: 31
Candidate Starts for Towmatter_45:
(Start: 31 @39505 has 17 MA's), (65, 39697), (73, 39754), (74, 39757), (77, 39775),

Gene: TpudiCK_126 Start: 65032, Stop: 65529, Start Num: 16
Candidate Starts for TpudiCK_126:
(4, 64930), (Start: 11 @64990 has 1 MA's), (Start: 16 @65032 has 144 MA's), (Start: 31 @65086 has 17 MA's), (36, 65110), (58, 65221), (60, 65236), (73, 65344), (77, 65365), (82, 65413),

Gene: Traaww1_72 Start: 47744, Stop: 48157, Start Num: 16
Candidate Starts for Traaww1_72:
(Start: 16 @47744 has 144 MA's), (Start: 21 @47759 has 3 MA's), (56, 47906), (73, 48044),

Gene: Tuco_77 Start: 49068, Stop: 49481, Start Num: 16
Candidate Starts for Tuco_77:
(Start: 16 @49068 has 144 MA's), (Start: 21 @49083 has 3 MA's), (56, 49230), (73, 49368),

Gene: TyDawg_119 Start: 65035, Stop: 65532, Start Num: 16
Candidate Starts for TyDawg_119:
(4, 64933), (Start: 11 @64993 has 1 MA's), (Start: 16 @65035 has 144 MA's), (Start: 31 @65089 has 17 MA's), (36, 65113), (58, 65224), (60, 65239), (73, 65347), (77, 65368), (82, 65416),

Gene: Ukulele_71 Start: 47451, Stop: 47864, Start Num: 16
Candidate Starts for Ukulele_71:
(Start: 16 @47451 has 144 MA's), (Start: 21 @47466 has 3 MA's), (56, 47613), (73, 47751),

Gene: Weasels2_55 Start: 20844, Stop: 20455, Start Num: 25
Candidate Starts for Weasels2_55:
(Start: 25 @20844 has 10 MA's), (44, 20769), (73, 20574), (83, 20499), (87, 20469),

Gene: Wiggin_78 Start: 48145, Stop: 48558, Start Num: 16
Candidate Starts for Wiggin_78:
(Start: 16 @48145 has 144 MA's), (Start: 21 @48160 has 3 MA's), (56, 48307), (73, 48445),

Gene: Willez_71 Start: 46338, Stop: 46751, Start Num: 16
Candidate Starts for Willez_71:
(Start: 16 @46338 has 144 MA's), (Start: 21 @46353 has 3 MA's), (56, 46500), (73, 46638),

Gene: WilliamBoone_116 Start: 65070, Stop: 65447, Start Num: 31
Candidate Starts for WilliamBoone_116:
(Start: 31 @65070 has 17 MA's), (65, 65271), (67, 65289), (73, 65328), (74, 65331), (75, 65337), (76, 65340), (80, 65364),

Gene: Xandras_75 Start: 47553, Stop: 47966, Start Num: 16
Candidate Starts for Xandras_75:
(Start: 16 @47553 has 144 MA's), (Start: 21 @47568 has 3 MA's), (56, 47715), (73, 47853),

Gene: YassJohnny_73 Start: 47508, Stop: 47921, Start Num: 16
Candidate Starts for YassJohnny_73:
(Start: 16 @47508 has 144 MA's), (Start: 21 @47523 has 3 MA's), (60, 47700), (73, 47808), (79, 47835),

Gene: Youngblood_79 Start: 49020, Stop: 49433, Start Num: 16
Candidate Starts for Youngblood_79:
(Start: 16 @49020 has 144 MA's), (Start: 21 @49035 has 3 MA's), (56, 49182), (73, 49320),

Gene: Yvonnetastic_125 Start: 70757, Stop: 71188, Start Num: 25
Candidate Starts for Yvonnetastic_125:
(Start: 25 @70757 has 10 MA's), (35, 70802), (37, 70808), (42, 70832), (73, 71036), (74, 71039), (75, 71045), (88, 71144), (92, 71168),

Gene: xkcd_79 Start: 49210, Stop: 49623, Start Num: 16
Candidate Starts for xkcd_79:
(Start: 16 @49210 has 144 MA's), (Start: 21 @49225 has 3 MA's), (56, 49372), (73, 49510),