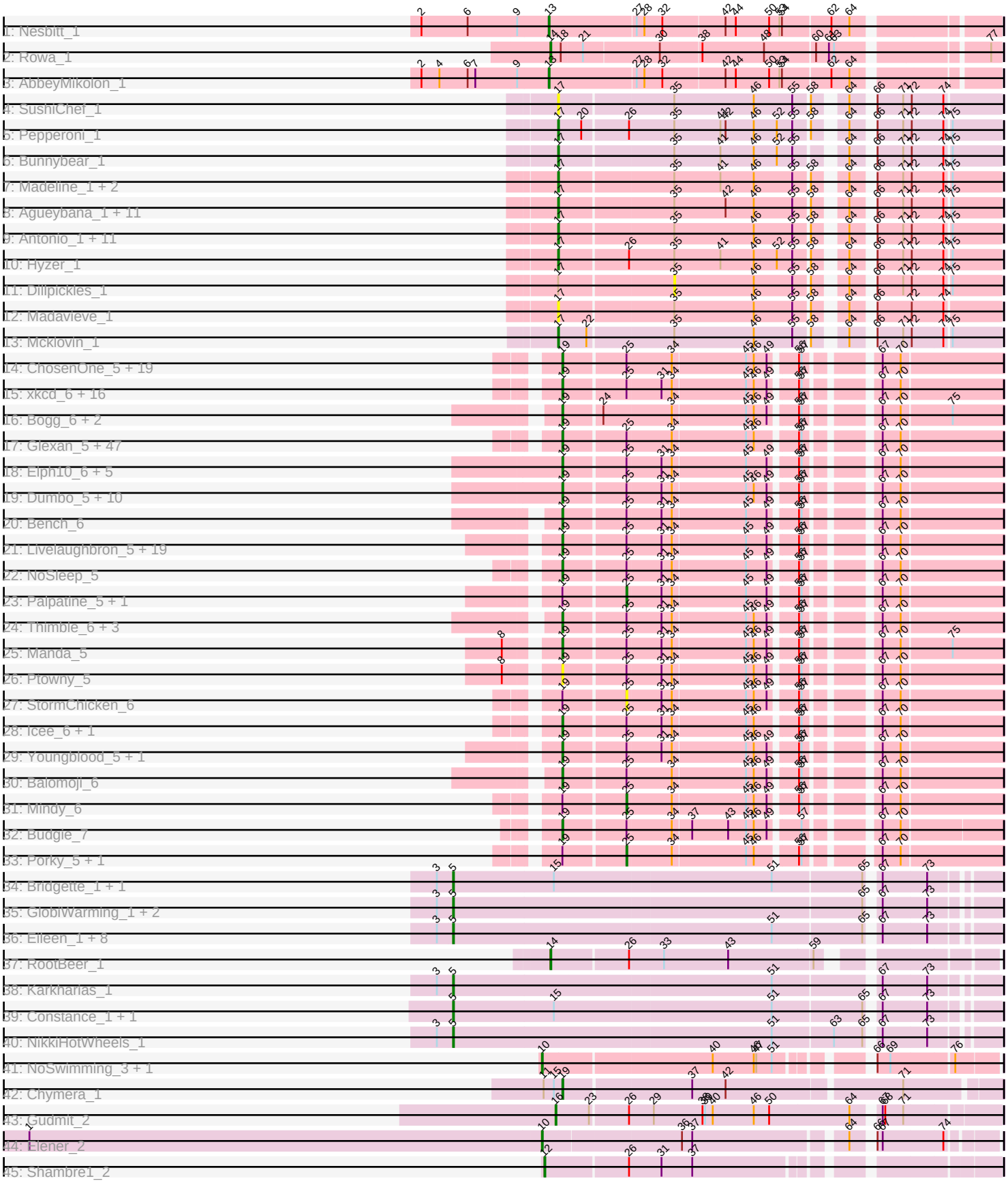
Pham 347265


1: Nesbitt_1
2: Rowa_1
3: AbbeyMikolon_1
4: SushiChef_1
5: Pepperoni_1
6: Bunnybear_1
7: Madeline_1 + 2
8: Agueybana_1 + 11
9: Antonio_1 + 11
10: Hyzer_1
11: Dillpickles_1
12: Madavieve_1
13: Mcklovin_1
14: ChosenOne_5 + 19
15: xkcd_6 + 16
16: Bogg_6 + 2
17: Glexan_5 + 47
18: Elph10_6 + 5
19: Dumbo_5 + 10
20: Bench_6
21: Livelaughbron_5 + 19
22: NoSleep_5
23: Palpatine_5 + 1
24: Thimble_6 + 3
25: Manda_5
26: Ptowny_5
27: StormChicken_6
28: Icee_6 + 1
29: Youngblood_5 + 1
30: Balomoji_6
31: Mindy_6
32: Budgie_7
33: Porky_5 + 1
34: Bridgette_1 + 1
35: GlobiWarming_1 + 2
36: Eileen_1 + 8
37: RootBeer_1
38: Karkharias_1
39: Constance_1 + 1
40: NikkiHotWheels_1
41: NoSwimming_3 + 1
42: Chymera_1
43: Gudmit_2
44: Elener_2
45: Shambre1_2

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 347265 Report

This analysis was run 11/14/26 on database version 672.

Pham number 347265 has 207 members, 20 are drafts.

Phages represented in each track:
• Track 1 : Nesbitt_1
• Track 2 : Rowa_1
• Track 3 : AbbeyMikolon_1
• Track 4 : SushiChef_1
• Track 5 : Pepperoni_1
• Track 6 : Bunnybear_1
• Track 7 : Madeline_1, WelcomeAyanna_1, ThankyouJordi_1
• Track 8 : Agueybana_1, Nymphadora_1, Herod_1, AlumE_1, Eviarto_1, BatStarr_1, BoyNamedSue_1, Bialota_1, Hugley_1, TimTam_1, Zirinka_1, Bosnia_1
• Track 9 : Antonio_1, Suscepit_1, Maridalia_1, Polly_1, Manasvini_1, Trumpet_1, RavenCo17_1, Zameen_1, Eudoria_1, Kita_1, Tayonia_1, Neobush_1
• Track 10 : Hyzer_1
• Track 11 : Dillpickles_1
• Track 12 : Madavieve_1
• Track 13 : Mcklovin_1
• Track 14 : ChosenOne_5, IHOP_6, BaboJay_6, Marshmallow_6, Pharsalus_6, FairyPath_6, Elite2014_5, Myrale_6, Phaja_6, NelitzaMV_6, StellaBean_6, ShamWow_6, SophKB_6, Toto_6, Lilpickle_5, Hoonter_6, Cookies_6, Tarkin_6, Greep_6, TeardropMSU_5
• Track 15 : xkcd_6, Moldemort_5, Kanye_6, DoctorDiddles_5, Czyszczon1_5, Highbury_5, TeamEdward_6, Saints25_5, HanKaySha_5, Simpliphy_5, Quallification_6, MollyToe_6, OrionPax_5, Stank_6, DrDrey_6, AmericanBeauty_6, ShereKhan_6
• Track 16 : Bogg_6, Goku_6, Eureka_5
• Track 17 : Glexan_5, Brewer_6, Paperbeatsrock_6, Rimmer_6, Goldilocks_6, Wiggin_6, Rakim_6, Barbarian_5, Buck_6, Flypotenuse_5, BigBubba_6, MadamMonkfish_5, SirDuracell_6, Adnama_6, Murphy_5, Gage_6, StolenFromERC_6, Henry_6, TBrady12_6, ChotaBhai_6, Miniwave_6, Tuco_6, ABCat_5, CrystalP_6, Dusk_6, BadStone_5, Inca_6, GooberAzure_6, Traaww1_5, Asriel_5, Nimrod_6, Bask21_6, Emmina_6, Gemini_6, Gator_5, GoldenSpark_6, Argent26_6, Command613_6, Harella_5, Teaspoon_6, Amao_6, Kimchi_6, YassJohnny_6, Pat3_6, Lilizi_6, Xandras_6, BilboSwaggins_6, Kostya_6
• Track 18 : Elph10_6, Maxxinista_6, Filch_6, PaddyBaddy_6, 244_6, RiverMonster_5
• Track 19 : Dumbo_5, Hopey_6, Lilac_7, Thresher_6, Easy2Say_6, Phrux_5, Pumpkin_6, JeTaime_7, Stark_6, Ukulele_5, Cjw1_5
• Track 20 : Bench_6

• Track 21 : Livelaughbron_5, FoghornLeghorn_5, Sassay_5, Murica_4, Phaux_4, Terminus_5, Bruin_5, FireRed_5, Tomaszewski_5, Misfit_5, BugsBunny_5, PhatBacter_5, Contagion_5, Willez_5, Nala_5, MPhalcon_5, Mosby_5, Policronamos_5, MISSy_5, HufflyPuff_4
• Track 22 : NoSleep_5
• Track 23 : Palpatine_5, Becksu_5
• Track 24 : Thimble_6, Holt_6, Sotrice96_6, Daikon_5
• Track 25 : Manda_5
• Track 26 : Ptowny_5
• Track 27 : StormChicken_6
• Track 28 : Icee_6, Cactus_6
• Track 29 : Youngblood_5, NonchalantPear_4
• Track 30 : Balomoji_6
• Track 31 : Mindy_6
• Track 32 : Budgie_7
• Track 33 : Porky_5, Petra64142_6
• Track 34 : Bridgette_1, HotPotato_1
• Track 35 : GlobiWarming_1, LittleRon_1, KayMoney_1
• Track 36 : Eileen_1, Pucara_1, Henrique_1, NidoQ_1, ChuckDuck_1, LilyBell_1, Judy_1, FosterFrank_1, Peas_1
• Track 37 : RootBeer_1
• Track 38 : Karkharias_1
• Track 39 : Constance_1, PeggyLeg03_1
• Track 40 : NikkiHotWheels_1
• Track 41 : NoSwimming_3, Scotia_3
• Track 42 : Chymera_1
• Track 43 : Gudmit_2
• Track 44 : Elener_2
• Track 45 : Shambre1_2

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

The start number called the most often in the published annotations is 19, it was called in 132 of the 187 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• 244_6, ABCat_5, Adnama_6, Amao_6, AmericanBeauty_6, Argent26_6, Asriel_5, BaboJay_6, BadStone_5, Balomoji_6, Barbarian_5, Bask21_6, Bench_6, BigBubba_6, BilboSwaggins_6, Bogg_6, Brewer_6, Bruin_5, Buck_6, Budgie_7, BugsBunny_5, Cactus_6, ChosenOne_5, ChotaBhai_6, Chymera_1, Cjw1_5, Command613_6, Contagion_5, Cookies_6, CrystalP_6, Czyszczon1_5, Daikon_5, DoctorDiddles_5, DrDrey_6, Dumbo_5, Dusk_6, Easy2Say_6, Elite2014_5, Elph10_6, Emmina_6, Eureka_5, FairyPath_6, Filch_6, FireRed_5, Flypotenuse_5, FoghornLeghorn_5, Gage_6, Gator_5, Gemini_6, Glexan_5, Goku_6, GoldenSpark_6, Goldilocks_6, GooberAzure_6, Greep_6, HanKaySha_5, Harella_5, Henry_6, Highbury_5, Holt_6, Hoonter_6, Hopey_6, HufflyPuff_4, IHOP_6, Icee_6, Inca_6, JeTaime_7, Kanye_6, Kimchi_6, Kostya_6, Lilac_7, Lilizi_6, Lilpickle_5, Livelaughbron_5, MISSy_5, MPhalcon_5, MadamMonkfish_5, Manda_5, Marshmallow_6, Maxxinista_6, Miniwave_6, Misfit_5, Moldemort_5, MollyToe_6, Mosby_5, Murica_4, Murphy_5, Myrale_6, Nala_5, NelitzaMV_6, Nimrod_6,

NoSleep_5, NonchalantPear_4, OrionPax_5, PaddyBaddy_6, Paperbeatsrock_6, Pat3_6, Phaja_6, Pharsalus_6, PhatBacter_5, Phaux_4, Phrux_5, Policronamos_5, Ptowny_5, Pumpkin_6, Quallification_6, Rakim_6, Rimmer_6, RiverMonster_5, Saints25_5, Sassay_5, ShamWow_6, ShereKhan_6, Simpliphy_5, SirDuracell_6, SophKB_6, Sotrice96_6, Stank_6, Stark_6, StellaBean_6, StolenFromERC_6, TBrady12_6, Tarkin_6, TeamEdward_6, TeardropMSU_5, Teaspoon_6, Terminus_5, Thimble_6, Thresher_6, Tomaszewski_5, Toto_6, Traaww1_5, Tuco_6, Ukulele_5, Wiggin_6, Willez_5, Xandras_6, YassJohnny_6, Youngblood_5, xkcd_6,

Genes that have the "Most Annotated" start but do not call it:
• Becksu_5, Mindy_6, Palpatine_5, Petra64142_6, Porky_5, StormChicken_6,

Genes that do not have the "Most Annotated" start:
• AbbeyMikolon_1, Agueybana_1, AlumE_1, Antonio_1, BatStarr_1, Bialota_1, Bosnia_1, BoyNamedSue_1, Bridgette_1, Bunnybear_1, ChuckDuck_1, Constance_1, Dillpickles_1, Eileen_1, Elener_2, Eudoria_1, Eviarto_1, FosterFrank_1, GlobiWarming_1, Gudmit_2, Henrique_1, Herod_1, HotPotato_1, Hugley_1, Hyzer_1, Judy_1, Karkharias_1, KayMoney_1, Kita_1, LilyBell_1, LittleRon_1, Madavieve_1, Madeline_1, Manasvini_1, Maridalia_1, Mcklovin_1, Neobush_1, Nesbitt_1, NidoQ_1, NikkiHotWheels_1, NoSwimming_3, Nymphadora_1, Peas_1, PeggyLeg03_1, Pepperoni_1, Polly_1, Pucara_1, RavenCo17_1, RootBeer_1, Rowa_1, Scotia_3, Shambre1_2, Suscepit_1, SushiChef_1, Tayonia_1, ThankyouJordi_1, TimTam_1, Trumpet_1, WelcomeAyanna_1, Zameen_1, Zirinka_1,

Summary by start number:

Start 5:
• Found in 18 of 207 (8.7%) of genes in pham
• Manual Annotations of this start: 13 of 187
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Bridgette_1 (FA), ChuckDuck_1 (FA), Constance_1 (FA), Eileen_1 (FA), FosterFrank_1 (FA), GlobiWarming_1 (FA), Henrique_1 (FA), HotPotato_1 (FA), Judy_1 (FA), Karkharias_1 (FA), KayMoney_1 (FA), LilyBell_1 (FA), LittleRon_1 (FA), NidoQ_1 (FA), NikkiHotWheels_1 (FA), Peas_1 (FA), PeggyLeg03_1 (FA), Pucara_1 (FA),

Start 10:
• Found in 3 of 207 (1.4%) of genes in pham
• Manual Annotations of this start: 3 of 187
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Elener_2 (singleton), NoSwimming_3 (FO), Scotia_3 (FO),

Start 12:
• Found in 1 of 207 (0.5%) of genes in pham
• Manual Annotations of this start: 1 of 187
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Shambre1_2 (singleton),

Start 13:
• Found in 2 of 207 (1.0%) of genes in pham
• Manual Annotations of this start: 2 of 187

• Called 100.0% of time when present
• Phage (with cluster) where this start called: AbbeyMikolon_1 (BL), Nesbitt_1 (BL),

Start 14:
• Found in 2 of 207 (1.0%) of genes in pham
• Manual Annotations of this start: 2 of 187
• Called 100.0% of time when present
• Phage (with cluster) where this start called: RootBeer_1 (FA), Rowa_1 (BL),

Start 16:
• Found in 1 of 207 (0.5%) of genes in pham
• Manual Annotations of this start: 1 of 187
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Gudmit_2 (singleton),

Start 17:
• Found in 34 of 207 (16.4%) of genes in pham
• Manual Annotations of this start: 30 of 187
• Called 97.1% of time when present
• Phage (with cluster) where this start called: Agueybana_1 (CZ1), AlumE_1 (CZ1), Antonio_1 (CZ1), BatStarr_1 (CZ1), Bialota_1 (CZ1), Bosnia_1 (CZ1), BoyNamedSue_1 (CZ1), Bunnybear_1 (CZ), Eudoria_1 (CZ1), Eviarto_1 (CZ1), Herod_1 (CZ1), Hugley_1 (CZ1), Hyzer_1 (CZ1), Kita_1 (CZ1), Madavieve_1 (CZ1), Madeline_1 (CZ1), Manasvini_1 (CZ1), Maridalia_1 (CZ1), Mcklovin_1 (CZ4), Neobush_1 (CZ1), Nymphadora_1 (CZ1), Pepperoni_1 (CZ), Polly_1 (CZ1), RavenCo17_1 (CZ8), Suscepit_1 (CZ1), SushiChef_1 (CZ), Tayonia_1 (CZ1), ThankyouJordi_1 (CZ1), TimTam_1 (CZ1), Trumpet_1 (CZ1), WelcomeAyanna_1 (CZ1), Zameen_1 (CZ1), Zirinka_1 (CZ1),

Start 19:
• Found in 146 of 207 (70.5%) of genes in pham
• Manual Annotations of this start: 132 of 187
• Called 95.9% of time when present
• Phage (with cluster) where this start called: 244_6 (E), ABCat_5 (E), Adnama_6 (E), Amao_6 (E), AmericanBeauty_6 (E), Argent26_6 (E), Asriel_5 (E), BaboJay_6 (E), BadStone_5 (E), Balomoji_6 (E), Barbarian_5 (E), Bask21_6 (E), Bench_6 (E), BigBubba_6 (E), BilboSwaggins_6 (E), Bogg_6 (E), Brewer_6 (E), Bruin_5 (E), Buck_6 (E), Budgie_7 (E), BugsBunny_5 (E), Cactus_6 (E), ChosenOne_5 (E), ChotaBhai_6 (E), Chymera_1 (singleton), Cjw1_5 (E), Command613_6 (E), Contagion_5 (E), Cookies_6 (E), CrystalP_6 (E), Czyszczon1_5 (E), Daikon_5 (E), DoctorDiddles_5 (E), DrDrey_6 (E), Dumbo_5 (E), Dusk_6 (E), Easy2Say_6 (E), Elite2014_5 (E), Elph10_6 (E), Emmina_6 (E), Eureka_5 (E), FairyPath_6 (E), Filch_6 (E), FireRed_5 (E), Flypotenuse_5 (E), FoghornLeghorn_5 (E), Gage_6 (E), Gator_5 (E), Gemini_6 (E), Glexan_5 (E), Goku_6 (E), GoldenSpark_6 (E), Goldilocks_6 (E), GooberAzure_6 (E), Greep_6 (E), HanKaySha_5 (E), Harella_5 (E), Henry_6 (E), Highbury_5 (E), Holt_6 (E), Hoonter_6 (E), Hopey_6 (E), HufflyPuff_4 (E), IHOP_6 (E), Icee_6 (E), Inca_6 (E), JeTaime_7 (E), Kanye_6 (E), Kimchi_6 (E), Kostya_6 (E), Lilac_7 (E), Lilizi_6 (E), Lilpickle_5 (E), Livelaughbron_5 (E), MISSy_5 (E), MPhalcon_5 (E), MadamMonkfish_5 (E), Manda_5 (E), Marshmallow_6 (E), Maxxinista_6 (E), Miniwave_6 (E), Misfit_5 (E), Moldemort_5 (E), MollyToe_6 (E), Mosby_5 (E), Murica_4 (E), Murphy_5 (E), Myrale_6 (E), Nala_5 (E), NelitzaMV_6 (E), Nimrod_6 (E), NoSleep_5 (E), NonchalantPear_4 (E), OrionPax_5 (E), PaddyBaddy_6 (E), Paperbeatsrock_6 (E), Pat3_6 (E), Phaja_6 (E), Pharsalus_6 (E),

PhatBacter_5 (E), Phaux_4 (E), Phrux_5 (E), Policronamos_5 (E), Ptowny_5 (E), Pumpkin_6 (E), Quallification_6 (E), Rakim_6 (E), Rimmer_6 (E), RiverMonster_5 (E), Saints25_5 (E), Sassay_5 (E), ShamWow_6 (E), ShereKhan_6 (E), Simpliphy_5 (E), SirDuracell_6 (E), SophKB_6 (E), Sotrice96_6 (E), Stank_6 (E), Stark_6 (E), StellaBean_6 (E), StolenFromERC_6 (E), TBrady12_6 (E), Tarkin_6 (E), TeamEdward_6 (E), TeardropMSU_5 (E), Teaspoon_6 (E), Terminus_5 (E), Thimble_6 (E), Thresher_6 (E), Tomaszewski_5 (E), Toto_6 (E), Traaww1_5 (E), Tuco_6 (E), Ukulele_5 (E), Wiggin_6 (E), Willez_5 (E), Xandras_6 (E), YassJohnny_6 (E), Youngblood_5 (E), xkcd_6 (E),

Start 25:
• Found in 142 of 207 (68.6%) of genes in pham
• Manual Annotations of this start: 3 of 187
• Called 4.2% of time when present
• Phage (with cluster) where this start called: Becksu_5 (E), Mindy_6 (E), Palpatine_5 (E), Petra64142_6 (E), Porky_5 (E), StormChicken_6 (E),

Start 35:
• Found in 34 of 207 (16.4%) of genes in pham
• No Manual Annotations of this start.
• Called 2.9% of time when present
• Phage (with cluster) where this start called: Dillpickles_1 (CZ1),

Summary by clusters:

There are 9 clusters represented in this pham: CZ8, E, CZ, BL, CZ1, singleton, CZ4, FA, FO,

Info for manual annotations of cluster BL:
•Start number 13 was manually annotated 2 times for cluster BL.
•Start number 14 was manually annotated 1 time for cluster BL.

Info for manual annotations of cluster CZ:
•Start number 17 was manually annotated 2 times for cluster CZ.

Info for manual annotations of cluster CZ1:
•Start number 17 was manually annotated 26 times for cluster CZ1.

Info for manual annotations of cluster CZ4:
•Start number 17 was manually annotated 1 time for cluster CZ4.

Info for manual annotations of cluster CZ8:
•Start number 17 was manually annotated 1 time for cluster CZ8.

Info for manual annotations of cluster E:
•Start number 19 was manually annotated 131 times for cluster E.
•Start number 25 was manually annotated 3 times for cluster E.

Info for manual annotations of cluster FA:
•Start number 5 was manually annotated 13 times for cluster FA.
•Start number 14 was manually annotated 1 time for cluster FA.

Info for manual annotations of cluster FO:

•Start number 10 was manually annotated 2 times for cluster FO.

Gene Information:

Gene: 244_6 Start: 1149, Stop: 1610, Start Num: 19
Candidate Starts for 244_6:
(Start: 19 @1149 has 132 MA's), (Start: 25 @1218 has 3 MA's), (31, 1257), (34, 1269), (45, 1353), (49, 1377), (56, 1404), (57, 1407), (67, 1473), (70, 1494),

Gene: ABCat_5 Start: 1057, Stop: 1518, Start Num: 19
Candidate Starts for ABCat_5:
(Start: 19 @1057 has 132 MA's), (Start: 25 @1126 has 3 MA's), (34, 1177), (45, 1261), (46, 1270), (56, 1312), (57, 1315), (67, 1381), (70, 1402),

Gene: AbbeyMikolon_1 Start: 162, Stop: 650, Start Num: 13
Candidate Starts for AbbeyMikolon_1:
(2, 15), (4, 36), (6, 69), (7, 78), (9, 126), (Start: 13 @162 has 2 MA's), (27, 261), (28, 270), (32, 291), (42, 360), (44, 372), (50, 411), (53, 423), (54, 426), (62, 480), (64, 501),

Gene: Adnama_6 Start: 1057, Stop: 1518, Start Num: 19
Candidate Starts for Adnama_6:
(Start: 19 @1057 has 132 MA's), (Start: 25 @1126 has 3 MA's), (34, 1177), (45, 1261), (46, 1270), (56, 1312), (57, 1315), (67, 1381), (70, 1402),

Gene: Agueybana_1 Start: 56, Stop: 520, Start Num: 17
Candidate Starts for Agueybana_1:
(Start: 17 @56 has 30 MA's), (35, 185), (42, 245), (46, 278), (55, 323), (58, 338), (64, 365), (66, 383), (71, 413), (72, 422), (74, 458), (75, 464),

Gene: AlumE_1 Start: 56, Stop: 520, Start Num: 17
Candidate Starts for AlumE_1:
(Start: 17 @56 has 30 MA's), (35, 185), (42, 245), (46, 278), (55, 323), (58, 338), (64, 365), (66, 383), (71, 413), (72, 422), (74, 458), (75, 464),

Gene: Amao_6 Start: 1057, Stop: 1518, Start Num: 19
Candidate Starts for Amao_6:
(Start: 19 @1057 has 132 MA's), (Start: 25 @1126 has 3 MA's), (34, 1177), (45, 1261), (46, 1270), (56, 1312), (57, 1315), (67, 1381), (70, 1402),

Gene: AmericanBeauty_6 Start: 1054, Stop: 1515, Start Num: 19
Candidate Starts for AmericanBeauty_6:
(Start: 19 @1054 has 132 MA's), (Start: 25 @1123 has 3 MA's), (31, 1162), (34, 1174), (45, 1258), (46, 1267), (49, 1282), (56, 1309), (57, 1312), (67, 1378), (70, 1399),

Gene: Antonio_1 Start: 56, Stop: 520, Start Num: 17
Candidate Starts for Antonio_1:
(Start: 17 @56 has 30 MA's), (35, 185), (46, 278), (55, 323), (58, 338), (64, 365), (66, 383), (71, 413), (72, 422), (74, 458), (75, 464),

Gene: Argent26_6 Start: 1057, Stop: 1518, Start Num: 19
Candidate Starts for Argent26_6:

(Start: 19 @1057 has 132 MA's), (Start: 25 @1126 has 3 MA's), (34, 1177), (45, 1261), (46, 1270), (56, 1312), (57, 1315), (67, 1381), (70, 1402),

Gene: Asriel_5 Start: 1043, Stop: 1504, Start Num: 19
Candidate Starts for Asriel_5:
(Start: 19 @1043 has 132 MA's), (Start: 25 @1112 has 3 MA's), (34, 1163), (45, 1247), (46, 1256), (56, 1298), (57, 1301), (67, 1367), (70, 1388),

Gene: BaboJay_6 Start: 928, Stop: 1389, Start Num: 19
Candidate Starts for BaboJay_6:
(Start: 19 @928 has 132 MA's), (Start: 25 @997 has 3 MA's), (34, 1048), (45, 1132), (46, 1141), (49, 1156), (56, 1183), (57, 1186), (67, 1252), (70, 1273),

Gene: BadStone_5 Start: 1057, Stop: 1518, Start Num: 19
Candidate Starts for BadStone_5:
(Start: 19 @1057 has 132 MA's), (Start: 25 @1126 has 3 MA's), (34, 1177), (45, 1261), (46, 1270), (56, 1312), (57, 1315), (67, 1381), (70, 1402),

Gene: Balomoji_6 Start: 1131, Stop: 1592, Start Num: 19
Candidate Starts for Balomoji_6:
(Start: 19 @1131 has 132 MA's), (Start: 25 @1200 has 3 MA's), (34, 1251), (45, 1335), (46, 1344), (49, 1359), (56, 1386), (57, 1389), (67, 1455), (70, 1476),

Gene: Barbarian_5 Start: 1043, Stop: 1504, Start Num: 19
Candidate Starts for Barbarian_5:
(Start: 19 @1043 has 132 MA's), (Start: 25 @1112 has 3 MA's), (34, 1163), (45, 1247), (46, 1256), (56, 1298), (57, 1301), (67, 1367), (70, 1388),

Gene: Bask21_6 Start: 1057, Stop: 1518, Start Num: 19
Candidate Starts for Bask21_6:
(Start: 19 @1057 has 132 MA's), (Start: 25 @1126 has 3 MA's), (34, 1177), (45, 1261), (46, 1270), (56, 1312), (57, 1315), (67, 1381), (70, 1402),

Gene: BatStarr_1 Start: 56, Stop: 520, Start Num: 17
Candidate Starts for BatStarr_1:
(Start: 17 @56 has 30 MA's), (35, 185), (42, 245), (46, 278), (55, 323), (58, 338), (64, 365), (66, 383), (71, 413), (72, 422), (74, 458), (75, 464),

Gene: Becksu_5 Start: 845, Stop: 1237, Start Num: 25
Candidate Starts for Becksu_5:
(Start: 19 @776 has 132 MA's), (Start: 25 @845 has 3 MA's), (31, 884), (34, 896), (45, 980), (49, 1004), (56, 1031), (57, 1034), (67, 1100), (70, 1121),

Gene: Bench_6 Start: 1128, Stop: 1589, Start Num: 19
Candidate Starts for Bench_6:
(Start: 19 @1128 has 132 MA's), (Start: 25 @1197 has 3 MA's), (31, 1236), (34, 1248), (45, 1332), (49, 1356), (56, 1383), (57, 1386), (67, 1452), (70, 1473),

Gene: Bialota_1 Start: 56, Stop: 520, Start Num: 17
Candidate Starts for Bialota_1:
(Start: 17 @56 has 30 MA's), (35, 185), (42, 245), (46, 278), (55, 323), (58, 338), (64, 365), (66, 383), (71, 413), (72, 422), (74, 458), (75, 464),

Gene: BigBubba_6 Start: 1057, Stop: 1518, Start Num: 19
Candidate Starts for BigBubba_6:
(Start: 19 @1057 has 132 MA's), (Start: 25 @1126 has 3 MA's), (34, 1177), (45, 1261), (46, 1270), (56, 1312), (57, 1315), (67, 1381), (70, 1402),

Gene: BilboSwaggins_6 Start: 1057, Stop: 1518, Start Num: 19
Candidate Starts for BilboSwaggins_6:
(Start: 19 @1057 has 132 MA's), (Start: 25 @1126 has 3 MA's), (34, 1177), (45, 1261), (46, 1270), (56, 1312), (57, 1315), (67, 1381), (70, 1402),

Gene: Bogg_6 Start: 1169, Stop: 1630, Start Num: 19
Candidate Starts for Bogg_6:
(Start: 19 @1169 has 132 MA's), (24, 1211), (34, 1289), (45, 1373), (46, 1382), (49, 1397), (56, 1424), (57, 1427), (67, 1493), (70, 1514), (75, 1571),

Gene: Bosnia_1 Start: 56, Stop: 520, Start Num: 17
Candidate Starts for Bosnia_1:
(Start: 17 @56 has 30 MA's), (35, 185), (42, 245), (46, 278), (55, 323), (58, 338), (64, 365), (66, 383), (71, 413), (72, 422), (74, 458), (75, 464),

Gene: BoyNamedSue_1 Start: 56, Stop: 520, Start Num: 17
Candidate Starts for BoyNamedSue_1:
(Start: 17 @56 has 30 MA's), (35, 185), (42, 245), (46, 278), (55, 323), (58, 338), (64, 365), (66, 383), (71, 413), (72, 422), (74, 458), (75, 464),

Gene: Brewer_6 Start: 1057, Stop: 1518, Start Num: 19
Candidate Starts for Brewer_6:
(Start: 19 @1057 has 132 MA's), (Start: 25 @1126 has 3 MA's), (34, 1177), (45, 1261), (46, 1270), (56, 1312), (57, 1315), (67, 1381), (70, 1402),

Gene: Bridgette_1 Start: 51, Stop: 647, Start Num: 5
Candidate Starts for Bridgette_1:
(3, 33), (Start: 5 @51 has 13 MA's), (15, 168), (51, 417), (65, 519), (67, 528), (73, 579),

Gene: Bruin_5 Start: 776, Stop: 1237, Start Num: 19
Candidate Starts for Bruin_5:
(Start: 19 @776 has 132 MA's), (Start: 25 @845 has 3 MA's), (31, 884), (34, 896), (45, 980), (49, 1004), (56, 1031), (57, 1034), (67, 1100), (70, 1121),

Gene: Buck_6 Start: 1057, Stop: 1518, Start Num: 19
Candidate Starts for Buck_6:
(Start: 19 @1057 has 132 MA's), (Start: 25 @1126 has 3 MA's), (34, 1177), (45, 1261), (46, 1270), (56, 1312), (57, 1315), (67, 1381), (70, 1402),

Gene: Budgie_7 Start: 1230, Stop: 1688, Start Num: 19
Candidate Starts for Budgie_7:
(Start: 19 @1230 has 132 MA's), (Start: 25 @1299 has 3 MA's), (34, 1350), (37, 1371), (43, 1413), (45, 1434), (46, 1443), (49, 1458), (57, 1488), (67, 1554), (70, 1575),

Gene: BugsBunny_5 Start: 776, Stop: 1237, Start Num: 19
Candidate Starts for BugsBunny_5:
(Start: 19 @776 has 132 MA's), (Start: 25 @845 has 3 MA's), (31, 884), (34, 896), (45, 980), (49, 1004), (56, 1031), (57, 1034), (67, 1100), (70, 1121),

Gene: Bunnybear_1 Start: 56, Stop: 520, Start Num: 17
Candidate Starts for Bunnybear_1:
(Start: 17 @56 has 30 MA's), (35, 185), (41, 239), (46, 278), (52, 305), (55, 323), (64, 365), (66, 383), (71, 413), (72, 422), (74, 458), (75, 464),

Gene: Cactus_6 Start: 1057, Stop: 1518, Start Num: 19
Candidate Starts for Cactus_6:
(Start: 19 @1057 has 132 MA's), (Start: 25 @1126 has 3 MA's), (31, 1165), (34, 1177), (45, 1261), (46, 1270), (56, 1312), (57, 1315), (67, 1381), (70, 1402),

Gene: ChosenOne_5 Start: 1010, Stop: 1471, Start Num: 19
Candidate Starts for ChosenOne_5:
(Start: 19 @1010 has 132 MA's), (Start: 25 @1079 has 3 MA's), (34, 1130), (45, 1214), (46, 1223), (49, 1238), (56, 1265), (57, 1268), (67, 1334), (70, 1355),

Gene: ChotaBhai_6 Start: 1057, Stop: 1518, Start Num: 19
Candidate Starts for ChotaBhai_6:
(Start: 19 @1057 has 132 MA's), (Start: 25 @1126 has 3 MA's), (34, 1177), (45, 1261), (46, 1270), (56, 1312), (57, 1315), (67, 1381), (70, 1402),

Gene: ChuckDuck_1 Start: 51, Stop: 647, Start Num: 5
Candidate Starts for ChuckDuck_1:
(3, 33), (Start: 5 @51 has 13 MA's), (51, 417), (65, 519), (67, 528), (73, 579),

Gene: Chymera_1 Start: 80, Stop: 562, Start Num: 19
Candidate Starts for Chymera_1:
(11, 62), (15, 74), (Start: 19 @80 has 132 MA's), (37, 224), (42, 263), (71, 458),

Gene: Cjw1_5 Start: 1158, Stop: 1619, Start Num: 19
Candidate Starts for Cjw1_5:
(Start: 19 @1158 has 132 MA's), (Start: 25 @1227 has 3 MA's), (31, 1266), (34, 1278), (45, 1362), (46, 1371), (49, 1386), (56, 1413), (57, 1416), (67, 1482), (70, 1503),

Gene: Command613_6 Start: 928, Stop: 1389, Start Num: 19
Candidate Starts for Command613_6:
(Start: 19 @928 has 132 MA's), (Start: 25 @997 has 3 MA's), (34, 1048), (45, 1132), (46, 1141), (56, 1183), (57, 1186), (67, 1252), (70, 1273),

Gene: Constance_1 Start: 52, Stop: 648, Start Num: 5
Candidate Starts for Constance_1:
(Start: 5 @52 has 13 MA's), (15, 169), (51, 418), (65, 520), (67, 529), (73, 580),

Gene: Contagion_5 Start: 776, Stop: 1237, Start Num: 19
Candidate Starts for Contagion_5:
(Start: 19 @776 has 132 MA's), (Start: 25 @845 has 3 MA's), (31, 884), (34, 896), (45, 980), (49, 1004), (56, 1031), (57, 1034), (67, 1100), (70, 1121),

Gene: Cookies_6 Start: 1057, Stop: 1518, Start Num: 19
Candidate Starts for Cookies_6:
(Start: 19 @1057 has 132 MA's), (Start: 25 @1126 has 3 MA's), (34, 1177), (45, 1261), (46, 1270), (49, 1285), (56, 1312), (57, 1315), (67, 1381), (70, 1402),

Gene: CrystalP_6 Start: 1057, Stop: 1518, Start Num: 19
Candidate Starts for CrystalP_6:
(Start: 19 @1057 has 132 MA's), (Start: 25 @1126 has 3 MA's), (34, 1177), (45, 1261), (46, 1270), (56, 1312), (57, 1315), (67, 1381), (70, 1402),

Gene: Czyszczon1_5 Start: 1013, Stop: 1474, Start Num: 19
Candidate Starts for Czyszczon1_5:
(Start: 19 @1013 has 132 MA's), (Start: 25 @1082 has 3 MA's), (31, 1121), (34, 1133), (45, 1217), (46, 1226), (49, 1241), (56, 1268), (57, 1271), (67, 1337), (70, 1358),

Gene: Daikon_5 Start: 1131, Stop: 1592, Start Num: 19
Candidate Starts for Daikon_5:
(Start: 19 @1131 has 132 MA's), (Start: 25 @1200 has 3 MA's), (31, 1239), (34, 1251), (45, 1335), (46, 1344), (49, 1359), (56, 1386), (57, 1389), (67, 1455), (70, 1476),

Gene: Dillpickles_1 Start: 185, Stop: 520, Start Num: 35
Candidate Starts for Dillpickles_1:
(Start: 17 @56 has 30 MA's), (35, 185), (46, 278), (55, 323), (58, 338), (64, 365), (66, 383), (71, 413), (72, 422), (74, 458), (75, 464),

Gene: DoctorDiddles_5 Start: 1010, Stop: 1471, Start Num: 19
Candidate Starts for DoctorDiddles_5:
(Start: 19 @1010 has 132 MA's), (Start: 25 @1079 has 3 MA's), (31, 1118), (34, 1130), (45, 1214), (46, 1223), (49, 1238), (56, 1265), (57, 1268), (67, 1334), (70, 1355),

Gene: DrDrey_6 Start: 1057, Stop: 1518, Start Num: 19
Candidate Starts for DrDrey_6:
(Start: 19 @1057 has 132 MA's), (Start: 25 @1126 has 3 MA's), (31, 1165), (34, 1177), (45, 1261), (46, 1270), (49, 1285), (56, 1312), (57, 1315), (67, 1381), (70, 1402),

Gene: Dumbo_5 Start: 1152, Stop: 1613, Start Num: 19
Candidate Starts for Dumbo_5:
(Start: 19 @1152 has 132 MA's), (Start: 25 @1221 has 3 MA's), (31, 1260), (34, 1272), (45, 1356), (46, 1365), (49, 1380), (56, 1407), (57, 1410), (67, 1476), (70, 1497),

Gene: Dusk_6 Start: 1057, Stop: 1518, Start Num: 19
Candidate Starts for Dusk_6:
(Start: 19 @1057 has 132 MA's), (Start: 25 @1126 has 3 MA's), (34, 1177), (45, 1261), (46, 1270), (56, 1312), (57, 1315), (67, 1381), (70, 1402),

Gene: Easy2Say_6 Start: 1134, Stop: 1595, Start Num: 19
Candidate Starts for Easy2Say_6:
(Start: 19 @1134 has 132 MA's), (Start: 25 @1203 has 3 MA's), (31, 1242), (34, 1254), (45, 1338), (46, 1347), (49, 1362), (56, 1389), (57, 1392), (67, 1458), (70, 1479),

Gene: Eileen_1 Start: 51, Stop: 647, Start Num: 5
Candidate Starts for Eileen_1:
(3, 33), (Start: 5 @51 has 13 MA's), (51, 417), (65, 519), (67, 528), (73, 579),

Gene: Elener_2 Start: 1391, Stop: 1867, Start Num: 10
Candidate Starts for Elener_2:
(1, 794), (Start: 10 @1391 has 3 MA's), (36, 1547), (37, 1559), (64, 1724), (66, 1742), (67, 1748), (74, 1817),

Gene: Elite2014_5 Start: 1010, Stop: 1471, Start Num: 19
Candidate Starts for Elite2014_5:
(Start: 19 @1010 has 132 MA's), (Start: 25 @1079 has 3 MA's), (34, 1130), (45, 1214), (46, 1223), (49, 1238), (56, 1265), (57, 1268), (67, 1334), (70, 1355),

Gene: Elph10_6 Start: 1152, Stop: 1613, Start Num: 19
Candidate Starts for Elph10_6:
(Start: 19 @1152 has 132 MA's), (Start: 25 @1221 has 3 MA's), (31, 1260), (34, 1272), (45, 1356), (49, 1380), (56, 1407), (57, 1410), (67, 1476), (70, 1497),

Gene: Emmina_6 Start: 928, Stop: 1389, Start Num: 19
Candidate Starts for Emmina_6:
(Start: 19 @928 has 132 MA's), (Start: 25 @997 has 3 MA's), (34, 1048), (45, 1132), (46, 1141), (56, 1183), (57, 1186), (67, 1252), (70, 1273),

Gene: Eudoria_1 Start: 56, Stop: 520, Start Num: 17
Candidate Starts for Eudoria_1:
(Start: 17 @56 has 30 MA's), (35, 185), (46, 278), (55, 323), (58, 338), (64, 365), (66, 383), (71, 413), (72, 422), (74, 458), (75, 464),

Gene: Eureka_5 Start: 999, Stop: 1460, Start Num: 19
Candidate Starts for Eureka_5:
(Start: 19 @999 has 132 MA's), (24, 1041), (34, 1119), (45, 1203), (46, 1212), (49, 1227), (56, 1254), (57, 1257), (67, 1323), (70, 1344), (75, 1401),

Gene: Eviarto_1 Start: 56, Stop: 520, Start Num: 17
Candidate Starts for Eviarto_1:
(Start: 17 @56 has 30 MA's), (35, 185), (42, 245), (46, 278), (55, 323), (58, 338), (64, 365), (66, 383), (71, 413), (72, 422), (74, 458), (75, 464),

Gene: FairyPath_6 Start: 1057, Stop: 1518, Start Num: 19
Candidate Starts for FairyPath_6:
(Start: 19 @1057 has 132 MA's), (Start: 25 @1126 has 3 MA's), (34, 1177), (45, 1261), (46, 1270), (49, 1285), (56, 1312), (57, 1315), (67, 1381), (70, 1402),

Gene: Filch_6 Start: 1149, Stop: 1610, Start Num: 19
Candidate Starts for Filch_6:
(Start: 19 @1149 has 132 MA's), (Start: 25 @1218 has 3 MA's), (31, 1257), (34, 1269), (45, 1353), (49, 1377), (56, 1404), (57, 1407), (67, 1473), (70, 1494),

Gene: FireRed_5 Start: 776, Stop: 1237, Start Num: 19
Candidate Starts for FireRed_5:
(Start: 19 @776 has 132 MA's), (Start: 25 @845 has 3 MA's), (31, 884), (34, 896), (45, 980), (49, 1004), (56, 1031), (57, 1034), (67, 1100), (70, 1121),

Gene: Flypotenuse_5 Start: 1013, Stop: 1474, Start Num: 19
Candidate Starts for Flypotenuse_5:
(Start: 19 @1013 has 132 MA's), (Start: 25 @1082 has 3 MA's), (34, 1133), (45, 1217), (46, 1226), (56, 1268), (57, 1271), (67, 1337), (70, 1358),

Gene: FoghornLeghorn_5 Start: 776, Stop: 1237, Start Num: 19
Candidate Starts for FoghornLeghorn_5:

(Start: 19 @776 has 132 MA's), (Start: 25 @845 has 3 MA's), (31, 884), (34, 896), (45, 980), (49, 1004), (56, 1031), (57, 1034), (67, 1100), (70, 1121),

Gene: FosterFrank_1 Start: 51, Stop: 647, Start Num: 5
Candidate Starts for FosterFrank_1:
(3, 33), (Start: 5 @51 has 13 MA's), (51, 417), (65, 519), (67, 528), (73, 579),

Gene: Gage_6 Start: 1057, Stop: 1518, Start Num: 19
Candidate Starts for Gage_6:
(Start: 19 @1057 has 132 MA's), (Start: 25 @1126 has 3 MA's), (34, 1177), (45, 1261), (46, 1270), (56, 1312), (57, 1315), (67, 1381), (70, 1402),

Gene: Gator_5 Start: 1013, Stop: 1474, Start Num: 19
Candidate Starts for Gator_5:
(Start: 19 @1013 has 132 MA's), (Start: 25 @1082 has 3 MA's), (34, 1133), (45, 1217), (46, 1226), (56, 1268), (57, 1271), (67, 1337), (70, 1358),

Gene: Gemini_6 Start: 1057, Stop: 1518, Start Num: 19
Candidate Starts for Gemini_6:
(Start: 19 @1057 has 132 MA's), (Start: 25 @1126 has 3 MA's), (34, 1177), (45, 1261), (46, 1270), (56, 1312), (57, 1315), (67, 1381), (70, 1402),

Gene: Glexan_5 Start: 1013, Stop: 1474, Start Num: 19
Candidate Starts for Glexan_5:
(Start: 19 @1013 has 132 MA's), (Start: 25 @1082 has 3 MA's), (34, 1133), (45, 1217), (46, 1226), (56, 1268), (57, 1271), (67, 1337), (70, 1358),

Gene: GlobiWarming_1 Start: 51, Stop: 647, Start Num: 5
Candidate Starts for GlobiWarming_1:
(3, 33), (Start: 5 @51 has 13 MA's), (65, 519), (67, 528), (73, 579),

Gene: Goku_6 Start: 999, Stop: 1460, Start Num: 19
Candidate Starts for Goku_6:
(Start: 19 @999 has 132 MA's), (24, 1041), (34, 1119), (45, 1203), (46, 1212), (49, 1227), (56, 1254), (57, 1257), (67, 1323), (70, 1344), (75, 1401),

Gene: GoldenSpark_6 Start: 1057, Stop: 1518, Start Num: 19
Candidate Starts for GoldenSpark_6:
(Start: 19 @1057 has 132 MA's), (Start: 25 @1126 has 3 MA's), (34, 1177), (45, 1261), (46, 1270), (56, 1312), (57, 1315), (67, 1381), (70, 1402),

Gene: Goldilocks_6 Start: 1057, Stop: 1518, Start Num: 19
Candidate Starts for Goldilocks_6:
(Start: 19 @1057 has 132 MA's), (Start: 25 @1126 has 3 MA's), (34, 1177), (45, 1261), (46, 1270), (56, 1312), (57, 1315), (67, 1381), (70, 1402),

Gene: GooberAzure_6 Start: 1057, Stop: 1518, Start Num: 19
Candidate Starts for GooberAzure_6:
(Start: 19 @1057 has 132 MA's), (Start: 25 @1126 has 3 MA's), (34, 1177), (45, 1261), (46, 1270), (56, 1312), (57, 1315), (67, 1381), (70, 1402),

Gene: Greep_6 Start: 928, Stop: 1389, Start Num: 19
Candidate Starts for Greep_6:

(Start: 19 @928 has 132 MA's), (Start: 25 @997 has 3 MA's), (34, 1048), (45, 1132), (46, 1141), (49, 1156), (56, 1183), (57, 1186), (67, 1252), (70, 1273),

Gene: Gudmit_2 Start: 492, Stop: 980, Start Num: 16
Candidate Starts for Gudmit_2:
(Start: 16 @492 has 1 MA's), (23, 531), (26, 573), (29, 600), (38, 657), (39, 660), (40, 669), (46, 717), (50, 735), (64, 828), (67, 852), (68, 855), (71, 876),

Gene: HanKaySha_5 Start: 1013, Stop: 1474, Start Num: 19
Candidate Starts for HanKaySha_5:
(Start: 19 @1013 has 132 MA's), (Start: 25 @1082 has 3 MA's), (31, 1121), (34, 1133), (45, 1217), (46, 1226), (49, 1241), (56, 1268), (57, 1271), (67, 1337), (70, 1358),

Gene: Harella_5 Start: 1013, Stop: 1474, Start Num: 19
Candidate Starts for Harella_5:
(Start: 19 @1013 has 132 MA's), (Start: 25 @1082 has 3 MA's), (34, 1133), (45, 1217), (46, 1226), (56, 1268), (57, 1271), (67, 1337), (70, 1358),

Gene: Henrique_1 Start: 51, Stop: 647, Start Num: 5
Candidate Starts for Henrique_1:
(3, 33), (Start: 5 @51 has 13 MA's), (51, 417), (65, 519), (67, 528), (73, 579),

Gene: Henry_6 Start: 1057, Stop: 1518, Start Num: 19
Candidate Starts for Henry_6:
(Start: 19 @1057 has 132 MA's), (Start: 25 @1126 has 3 MA's), (34, 1177), (45, 1261), (46, 1270), (56, 1312), (57, 1315), (67, 1381), (70, 1402),

Gene: Herod_1 Start: 56, Stop: 520, Start Num: 17
Candidate Starts for Herod_1:
(Start: 17 @56 has 30 MA's), (35, 185), (42, 245), (46, 278), (55, 323), (58, 338), (64, 365), (66, 383), (71, 413), (72, 422), (74, 458), (75, 464),

Gene: Highbury_5 Start: 1022, Stop: 1483, Start Num: 19
Candidate Starts for Highbury_5:
(Start: 19 @1022 has 132 MA's), (Start: 25 @1091 has 3 MA's), (31, 1130), (34, 1142), (45, 1226), (46, 1235), (49, 1250), (56, 1277), (57, 1280), (67, 1346), (70, 1367),

Gene: Holt_6 Start: 1128, Stop: 1589, Start Num: 19
Candidate Starts for Holt_6:
(Start: 19 @1128 has 132 MA's), (Start: 25 @1197 has 3 MA's), (31, 1236), (34, 1248), (45, 1332), (46, 1341), (49, 1356), (56, 1383), (57, 1386), (67, 1452), (70, 1473),

Gene: Hoonter_6 Start: 1057, Stop: 1518, Start Num: 19
Candidate Starts for Hoonter_6:
(Start: 19 @1057 has 132 MA's), (Start: 25 @1126 has 3 MA's), (34, 1177), (45, 1261), (46, 1270), (49, 1285), (56, 1312), (57, 1315), (67, 1381), (70, 1402),

Gene: Hopey_6 Start: 1149, Stop: 1610, Start Num: 19
Candidate Starts for Hopey_6:
(Start: 19 @1149 has 132 MA's), (Start: 25 @1218 has 3 MA's), (31, 1257), (34, 1269), (45, 1353), (46, 1362), (49, 1377), (56, 1404), (57, 1407), (67, 1473), (70, 1494),

Gene: HotPotato_1 Start: 51, Stop: 647, Start Num: 5

Candidate Starts for HotPotato_1:
(3, 33), (Start: 5 @51 has 13 MA's), (15, 168), (51, 417), (65, 519), (67, 528), (73, 579),

Gene: HufflyPuff_4 Start: 732, Stop: 1193, Start Num: 19
Candidate Starts for HufflyPuff_4:
(Start: 19 @732 has 132 MA's), (Start: 25 @801 has 3 MA's), (31, 840), (34, 852), (45, 936), (49, 960), (56, 987), (57, 990), (67, 1056), (70, 1077),

Gene: Hugley_1 Start: 56, Stop: 520, Start Num: 17
Candidate Starts for Hugley_1:
(Start: 17 @56 has 30 MA's), (35, 185), (42, 245), (46, 278), (55, 323), (58, 338), (64, 365), (66, 383), (71, 413), (72, 422), (74, 458), (75, 464),

Gene: Hyzer_1 Start: 56, Stop: 520, Start Num: 17
Candidate Starts for Hyzer_1:
(Start: 17 @56 has 30 MA's), (26, 134), (35, 185), (41, 239), (46, 278), (52, 305), (55, 323), (58, 338), (64, 365), (66, 383), (71, 413), (72, 422), (74, 458), (75, 464),

Gene: IHOP_6 Start: 1057, Stop: 1518, Start Num: 19
Candidate Starts for IHOP_6:
(Start: 19 @1057 has 132 MA's), (Start: 25 @1126 has 3 MA's), (34, 1177), (45, 1261), (46, 1270), (49, 1285), (56, 1312), (57, 1315), (67, 1381), (70, 1402),

Gene: Icee_6 Start: 1057, Stop: 1518, Start Num: 19
Candidate Starts for Icee_6:
(Start: 19 @1057 has 132 MA's), (Start: 25 @1126 has 3 MA's), (31, 1165), (34, 1177), (45, 1261), (46, 1270), (56, 1312), (57, 1315), (67, 1381), (70, 1402),

Gene: Inca_6 Start: 1057, Stop: 1518, Start Num: 19
Candidate Starts for Inca_6:
(Start: 19 @1057 has 132 MA's), (Start: 25 @1126 has 3 MA's), (34, 1177), (45, 1261), (46, 1270), (56, 1312), (57, 1315), (67, 1381), (70, 1402),

Gene: JeTaime_7 Start: 1196, Stop: 1657, Start Num: 19
Candidate Starts for JeTaime_7:
(Start: 19 @1196 has 132 MA's), (Start: 25 @1265 has 3 MA's), (31, 1304), (34, 1316), (45, 1400), (46, 1409), (49, 1424), (56, 1451), (57, 1454), (67, 1520), (70, 1541),

Gene: Judy_1 Start: 51, Stop: 647, Start Num: 5
Candidate Starts for Judy_1:
(3, 33), (Start: 5 @51 has 13 MA's), (51, 417), (65, 519), (67, 528), (73, 579),

Gene: Kanye_6 Start: 1057, Stop: 1518, Start Num: 19
Candidate Starts for Kanye_6:
(Start: 19 @1057 has 132 MA's), (Start: 25 @1126 has 3 MA's), (31, 1165), (34, 1177), (45, 1261), (46, 1270), (49, 1285), (56, 1312), (57, 1315), (67, 1381), (70, 1402),

Gene: Karkharias_1 Start: 51, Stop: 647, Start Num: 5
Candidate Starts for Karkharias_1:
(3, 33), (Start: 5 @51 has 13 MA's), (51, 417), (67, 528), (73, 579),

Gene: KayMoney_1 Start: 51, Stop: 647, Start Num: 5
Candidate Starts for KayMoney_1:

(3, 33), (Start: 5 @51 has 13 MA's), (65, 519), (67, 528), (73, 579),

Gene: Kimchi_6 Start: 1057, Stop: 1518, Start Num: 19
Candidate Starts for Kimchi_6:
(Start: 19 @1057 has 132 MA's), (Start: 25 @1126 has 3 MA's), (34, 1177), (45, 1261), (46, 1270), (56, 1312), (57, 1315), (67, 1381), (70, 1402),

Gene: Kita_1 Start: 56, Stop: 520, Start Num: 17
Candidate Starts for Kita_1:
(Start: 17 @56 has 30 MA's), (35, 185), (46, 278), (55, 323), (58, 338), (64, 365), (66, 383), (71, 413), (72, 422), (74, 458), (75, 464),

Gene: Kostya_6 Start: 1057, Stop: 1518, Start Num: 19
Candidate Starts for Kostya_6:
(Start: 19 @1057 has 132 MA's), (Start: 25 @1126 has 3 MA's), (34, 1177), (45, 1261), (46, 1270), (56, 1312), (57, 1315), (67, 1381), (70, 1402),

Gene: Lilac_7 Start: 1175, Stop: 1636, Start Num: 19
Candidate Starts for Lilac_7:
(Start: 19 @1175 has 132 MA's), (Start: 25 @1244 has 3 MA's), (31, 1283), (34, 1295), (45, 1379), (46, 1388), (49, 1403), (56, 1430), (57, 1433), (67, 1499), (70, 1520),

Gene: Lilizi_6 Start: 1057, Stop: 1518, Start Num: 19
Candidate Starts for Lilizi_6:
(Start: 19 @1057 has 132 MA's), (Start: 25 @1126 has 3 MA's), (34, 1177), (45, 1261), (46, 1270), (56, 1312), (57, 1315), (67, 1381), (70, 1402),

Gene: Lilpickle_5 Start: 1010, Stop: 1471, Start Num: 19
Candidate Starts for Lilpickle_5:
(Start: 19 @1010 has 132 MA's), (Start: 25 @1079 has 3 MA's), (34, 1130), (45, 1214), (46, 1223), (49, 1238), (56, 1265), (57, 1268), (67, 1334), (70, 1355),

Gene: LilyBell_1 Start: 51, Stop: 647, Start Num: 5
Candidate Starts for LilyBell_1:
(3, 33), (Start: 5 @51 has 13 MA's), (51, 417), (65, 519), (67, 528), (73, 579),

Gene: LittleRon_1 Start: 51, Stop: 647, Start Num: 5
Candidate Starts for LittleRon_1:
(3, 33), (Start: 5 @51 has 13 MA's), (65, 519), (67, 528), (73, 579),

Gene: Livelaughbron_5 Start: 776, Stop: 1237, Start Num: 19
Candidate Starts for Livelaughbron_5:
(Start: 19 @776 has 132 MA's), (Start: 25 @845 has 3 MA's), (31, 884), (34, 896), (45, 980), (49, 1004), (56, 1031), (57, 1034), (67, 1100), (70, 1121),

Gene: MISSy_5 Start: 776, Stop: 1237, Start Num: 19
Candidate Starts for MISSy_5:
(Start: 19 @776 has 132 MA's), (Start: 25 @845 has 3 MA's), (31, 884), (34, 896), (45, 980), (49, 1004), (56, 1031), (57, 1034), (67, 1100), (70, 1121),

Gene: MPhalcon_5 Start: 776, Stop: 1237, Start Num: 19
Candidate Starts for MPhalcon_5:

(Start: 19 @776 has 132 MA's), (Start: 25 @845 has 3 MA's), (31, 884), (34, 896), (45, 980), (49, 1004), (56, 1031), (57, 1034), (67, 1100), (70, 1121),

Gene: MadamMonkfish_5 Start: 1013, Stop: 1474, Start Num: 19
Candidate Starts for MadamMonkfish_5:
(Start: 19 @1013 has 132 MA's), (Start: 25 @1082 has 3 MA's), (34, 1133), (45, 1217), (46, 1226), (56, 1268), (57, 1271), (67, 1337), (70, 1358),

Gene: Madavieve_1 Start: 56, Stop: 520, Start Num: 17
Candidate Starts for Madavieve_1:
(Start: 17 @56 has 30 MA's), (35, 185), (46, 278), (55, 323), (58, 338), (64, 365), (66, 383), (72, 422), (74, 458),

Gene: Madeline_1 Start: 56, Stop: 520, Start Num: 17
Candidate Starts for Madeline_1:
(Start: 17 @56 has 30 MA's), (35, 185), (41, 239), (46, 278), (55, 323), (58, 338), (64, 365), (66, 383), (71, 413), (72, 422), (74, 458), (75, 464),

Gene: Manasvini_1 Start: 56, Stop: 520, Start Num: 17
Candidate Starts for Manasvini_1:
(Start: 17 @56 has 30 MA's), (35, 185), (46, 278), (55, 323), (58, 338), (64, 365), (66, 383), (71, 413), (72, 422), (74, 458), (75, 464),

Gene: Manda_5 Start: 791, Stop: 1252, Start Num: 19
Candidate Starts for Manda_5:
(8, 740), (Start: 19 @791 has 132 MA's), (Start: 25 @860 has 3 MA's), (31, 899), (34, 911), (45, 995), (46, 1004), (49, 1019), (56, 1046), (57, 1049), (67, 1115), (70, 1136), (75, 1193),

Gene: Maridalia_1 Start: 56, Stop: 520, Start Num: 17
Candidate Starts for Maridalia_1:
(Start: 17 @56 has 30 MA's), (35, 185), (46, 278), (55, 323), (58, 338), (64, 365), (66, 383), (71, 413), (72, 422), (74, 458), (75, 464),

Gene: Marshmallow_6 Start: 1057, Stop: 1518, Start Num: 19
Candidate Starts for Marshmallow_6:
(Start: 19 @1057 has 132 MA's), (Start: 25 @1126 has 3 MA's), (34, 1177), (45, 1261), (46, 1270), (49, 1285), (56, 1312), (57, 1315), (67, 1381), (70, 1402),

Gene: Maxxinista_6 Start: 1152, Stop: 1613, Start Num: 19
Candidate Starts for Maxxinista_6:
(Start: 19 @1152 has 132 MA's), (Start: 25 @1221 has 3 MA's), (31, 1260), (34, 1272), (45, 1356), (49, 1380), (56, 1407), (57, 1410), (67, 1476), (70, 1497),

Gene: Mcklovin_1 Start: 57, Stop: 521, Start Num: 17
Candidate Starts for Mcklovin_1:
(Start: 17 @57 has 30 MA's), (22, 90), (35, 186), (46, 279), (55, 324), (58, 339), (64, 366), (66, 384), (71, 414), (72, 423), (74, 459), (75, 465),

Gene: Mindy_6 Start: 997, Stop: 1389, Start Num: 25
Candidate Starts for Mindy_6:
(Start: 19 @928 has 132 MA's), (Start: 25 @997 has 3 MA's), (34, 1048), (45, 1132), (46, 1141), (49, 1156), (56, 1183), (57, 1186), (67, 1252), (70, 1273),

Gene: Miniwave_6 Start: 1057, Stop: 1518, Start Num: 19
Candidate Starts for Miniwave_6:
(Start: 19 @1057 has 132 MA's), (Start: 25 @1126 has 3 MA's), (34, 1177), (45, 1261), (46, 1270), (56, 1312), (57, 1315), (67, 1381), (70, 1402),

Gene: Misfit_5 Start: 776, Stop: 1237, Start Num: 19
Candidate Starts for Misfit_5:
(Start: 19 @776 has 132 MA's), (Start: 25 @845 has 3 MA's), (31, 884), (34, 896), (45, 980), (49, 1004), (56, 1031), (57, 1034), (67, 1100), (70, 1121),

Gene: Moldemort_5 Start: 1013, Stop: 1474, Start Num: 19
Candidate Starts for Moldemort_5:
(Start: 19 @1013 has 132 MA's), (Start: 25 @1082 has 3 MA's), (31, 1121), (34, 1133), (45, 1217), (46, 1226), (49, 1241), (56, 1268), (57, 1271), (67, 1337), (70, 1358),

Gene: MollyToe_6 Start: 1054, Stop: 1515, Start Num: 19
Candidate Starts for MollyToe_6:
(Start: 19 @1054 has 132 MA's), (Start: 25 @1123 has 3 MA's), (31, 1162), (34, 1174), (45, 1258), (46, 1267), (49, 1282), (56, 1309), (57, 1312), (67, 1378), (70, 1399),

Gene: Mosby_5 Start: 776, Stop: 1237, Start Num: 19
Candidate Starts for Mosby_5:
(Start: 19 @776 has 132 MA's), (Start: 25 @845 has 3 MA's), (31, 884), (34, 896), (45, 980), (49, 1004), (56, 1031), (57, 1034), (67, 1100), (70, 1121),

Gene: Murica_4 Start: 732, Stop: 1193, Start Num: 19
Candidate Starts for Murica_4:
(Start: 19 @732 has 132 MA's), (Start: 25 @801 has 3 MA's), (31, 840), (34, 852), (45, 936), (49, 960), (56, 987), (57, 990), (67, 1056), (70, 1077),

Gene: Murphy_5 Start: 1057, Stop: 1518, Start Num: 19
Candidate Starts for Murphy_5:
(Start: 19 @1057 has 132 MA's), (Start: 25 @1126 has 3 MA's), (34, 1177), (45, 1261), (46, 1270), (56, 1312), (57, 1315), (67, 1381), (70, 1402),

Gene: Myrale_6 Start: 928, Stop: 1389, Start Num: 19
Candidate Starts for Myrale_6:
(Start: 19 @928 has 132 MA's), (Start: 25 @997 has 3 MA's), (34, 1048), (45, 1132), (46, 1141), (49, 1156), (56, 1183), (57, 1186), (67, 1252), (70, 1273),

Gene: Nala_5 Start: 776, Stop: 1237, Start Num: 19
Candidate Starts for Nala_5:
(Start: 19 @776 has 132 MA's), (Start: 25 @845 has 3 MA's), (31, 884), (34, 896), (45, 980), (49, 1004), (56, 1031), (57, 1034), (67, 1100), (70, 1121),

Gene: NelitzaMV_6 Start: 928, Stop: 1389, Start Num: 19
Candidate Starts for NelitzaMV_6:
(Start: 19 @928 has 132 MA's), (Start: 25 @997 has 3 MA's), (34, 1048), (45, 1132), (46, 1141), (49, 1156), (56, 1183), (57, 1186), (67, 1252), (70, 1273),

Gene: Neobush_1 Start: 56, Stop: 520, Start Num: 17
Candidate Starts for Neobush_1:

(Start: 17 @56 has 30 MA's), (35, 185), (46, 278), (55, 323), (58, 338), (64, 365), (66, 383), (71, 413), (72, 422), (74, 458), (75, 464),

Gene: Nesbitt_1 Start: 162, Stop: 650, Start Num: 13
Candidate Starts for Nesbitt_1:
(2, 15), (6, 69), (9, 126), (Start: 13 @162 has 2 MA's), (27, 261), (28, 270), (32, 291), (42, 360), (44, 372), (50, 411), (53, 423), (54, 426), (62, 480), (64, 501),

Gene: NidoQ_1 Start: 51, Stop: 647, Start Num: 5
Candidate Starts for NidoQ_1:
(3, 33), (Start: 5 @51 has 13 MA's), (51, 417), (65, 519), (67, 528), (73, 579),

Gene: NikkiHotWheels_1 Start: 51, Stop: 647, Start Num: 5
Candidate Starts for NikkiHotWheels_1:
(3, 33), (Start: 5 @51 has 13 MA's), (51, 417), (63, 486), (65, 519), (67, 528), (73, 579),

Gene: Nimrod_6 Start: 1057, Stop: 1518, Start Num: 19
Candidate Starts for Nimrod_6:
(Start: 19 @1057 has 132 MA's), (Start: 25 @1126 has 3 MA's), (34, 1177), (45, 1261), (46, 1270), (56, 1312), (57, 1315), (67, 1381), (70, 1402),

Gene: NoSleep_5 Start: 1010, Stop: 1471, Start Num: 19
Candidate Starts for NoSleep_5:
(Start: 19 @1010 has 132 MA's), (Start: 25 @1079 has 3 MA's), (31, 1118), (34, 1130), (45, 1214), (49, 1238), (56, 1265), (57, 1268), (67, 1334), (70, 1355),

Gene: NoSwimming_3 Start: 1735, Stop: 2208, Start Num: 10
Candidate Starts for NoSwimming_3:
(Start: 10 @1735 has 3 MA's), (40, 1927), (46, 1975), (47, 1978), (51, 1996), (66, 2077), (69, 2092), (76, 2161),

Gene: NonchalantPear_4 Start: 762, Stop: 1223, Start Num: 19
Candidate Starts for NonchalantPear_4:
(Start: 19 @762 has 132 MA's), (Start: 25 @831 has 3 MA's), (31, 870), (34, 882), (45, 966), (46, 975), (49, 990), (56, 1017), (57, 1020), (67, 1086), (70, 1107),

Gene: Nymphadora_1 Start: 56, Stop: 520, Start Num: 17
Candidate Starts for Nymphadora_1:
(Start: 17 @56 has 30 MA's), (35, 185), (42, 245), (46, 278), (55, 323), (58, 338), (64, 365), (66, 383), (71, 413), (72, 422), (74, 458), (75, 464),

Gene: OrionPax_5 Start: 1013, Stop: 1474, Start Num: 19
Candidate Starts for OrionPax_5:
(Start: 19 @1013 has 132 MA's), (Start: 25 @1082 has 3 MA's), (31, 1121), (34, 1133), (45, 1217), (46, 1226), (49, 1241), (56, 1268), (57, 1271), (67, 1337), (70, 1358),

Gene: PaddyBaddy_6 Start: 1149, Stop: 1610, Start Num: 19
Candidate Starts for PaddyBaddy_6:
(Start: 19 @1149 has 132 MA's), (Start: 25 @1218 has 3 MA's), (31, 1257), (34, 1269), (45, 1353), (49, 1377), (56, 1404), (57, 1407), (67, 1473), (70, 1494),

Gene: Palpatine_5 Start: 845, Stop: 1237, Start Num: 25
Candidate Starts for Palpatine_5:

(Start: 19 @776 has 132 MA's), (Start: 25 @845 has 3 MA's), (31, 884), (34, 896), (45, 980), (49, 1004), (56, 1031), (57, 1034), (67, 1100), (70, 1121),

Gene: Paperbeatsrock_6 Start: 1057, Stop: 1518, Start Num: 19
Candidate Starts for Paperbeatsrock_6:
(Start: 19 @1057 has 132 MA's), (Start: 25 @1126 has 3 MA's), (34, 1177), (45, 1261), (46, 1270), (56, 1312), (57, 1315), (67, 1381), (70, 1402),

Gene: Pat3_6 Start: 1057, Stop: 1518, Start Num: 19
Candidate Starts for Pat3_6:
(Start: 19 @1057 has 132 MA's), (Start: 25 @1126 has 3 MA's), (34, 1177), (45, 1261), (46, 1270), (56, 1312), (57, 1315), (67, 1381), (70, 1402),

Gene: Peas_1 Start: 51, Stop: 647, Start Num: 5
Candidate Starts for Peas_1:
(3, 33), (Start: 5 @51 has 13 MA's), (51, 417), (65, 519), (67, 528), (73, 579),

Gene: PeggyLeg03_1 Start: 52, Stop: 648, Start Num: 5
Candidate Starts for PeggyLeg03_1:
(Start: 5 @52 has 13 MA's), (15, 169), (51, 418), (65, 520), (67, 529), (73, 580),

Gene: Pepperoni_1 Start: 56, Stop: 520, Start Num: 17
Candidate Starts for Pepperoni_1:
(Start: 17 @56 has 30 MA's), (20, 83), (26, 134), (35, 185), (41, 239), (42, 245), (46, 278), (52, 305), (55, 323), (58, 338), (64, 365), (66, 383), (71, 413), (72, 422), (74, 458), (75, 464),

Gene: Petra64142_6 Start: 1126, Stop: 1518, Start Num: 25
Candidate Starts for Petra64142_6:
(Start: 19 @1057 has 132 MA's), (Start: 25 @1126 has 3 MA's), (34, 1177), (45, 1261), (46, 1270), (56, 1312), (57, 1315), (67, 1381), (70, 1402),

Gene: Phaja_6 Start: 1057, Stop: 1518, Start Num: 19
Candidate Starts for Phaja_6:
(Start: 19 @1057 has 132 MA's), (Start: 25 @1126 has 3 MA's), (34, 1177), (45, 1261), (46, 1270), (49, 1285), (56, 1312), (57, 1315), (67, 1381), (70, 1402),

Gene: Pharsalus_6 Start: 1057, Stop: 1518, Start Num: 19
Candidate Starts for Pharsalus_6:
(Start: 19 @1057 has 132 MA's), (Start: 25 @1126 has 3 MA's), (34, 1177), (45, 1261), (46, 1270), (49, 1285), (56, 1312), (57, 1315), (67, 1381), (70, 1402),

Gene: PhatBacter_5 Start: 776, Stop: 1237, Start Num: 19
Candidate Starts for PhatBacter_5:
(Start: 19 @776 has 132 MA's), (Start: 25 @845 has 3 MA's), (31, 884), (34, 896), (45, 980), (49, 1004), (56, 1031), (57, 1034), (67, 1100), (70, 1121),

Gene: Phaux_4 Start: 776, Stop: 1237, Start Num: 19
Candidate Starts for Phaux_4:
(Start: 19 @776 has 132 MA's), (Start: 25 @845 has 3 MA's), (31, 884), (34, 896), (45, 980), (49, 1004), (56, 1031), (57, 1034), (67, 1100), (70, 1121),

Gene: Phrux_5 Start: 1135, Stop: 1596, Start Num: 19
Candidate Starts for Phrux_5:

(Start: 19 @1135 has 132 MA's), (Start: 25 @1204 has 3 MA's), (31, 1243), (34, 1255), (45, 1339), (46, 1348), (49, 1363), (56, 1390), (57, 1393), (67, 1459), (70, 1480),

Gene: Policronamos_5 Start: 776, Stop: 1237, Start Num: 19
Candidate Starts for Policronamos_5:
(Start: 19 @776 has 132 MA's), (Start: 25 @845 has 3 MA's), (31, 884), (34, 896), (45, 980), (49, 1004), (56, 1031), (57, 1034), (67, 1100), (70, 1121),

Gene: Polly_1 Start: 56, Stop: 520, Start Num: 17
Candidate Starts for Polly_1:
(Start: 17 @56 has 30 MA's), (35, 185), (46, 278), (55, 323), (58, 338), (64, 365), (66, 383), (71, 413), (72, 422), (74, 458), (75, 464),

Gene: Porky_5 Start: 997, Stop: 1389, Start Num: 25
Candidate Starts for Porky_5:
(Start: 19 @928 has 132 MA's), (Start: 25 @997 has 3 MA's), (34, 1048), (45, 1132), (46, 1141), (56, 1183), (57, 1186), (67, 1252), (70, 1273),

Gene: Ptowny_5 Start: 776, Stop: 1237, Start Num: 19
Candidate Starts for Ptowny_5:
(8, 725), (Start: 19 @776 has 132 MA's), (Start: 25 @845 has 3 MA's), (31, 884), (34, 896), (45, 980), (46, 989), (49, 1004), (56, 1031), (57, 1034), (67, 1100), (70, 1121),

Gene: Pucara_1 Start: 51, Stop: 647, Start Num: 5
Candidate Starts for Pucara_1:
(3, 33), (Start: 5 @51 has 13 MA's), (51, 417), (65, 519), (67, 528), (73, 579),

Gene: Pumpkin_6 Start: 1153, Stop: 1614, Start Num: 19
Candidate Starts for Pumpkin_6:
(Start: 19 @1153 has 132 MA's), (Start: 25 @1222 has 3 MA's), (31, 1261), (34, 1273), (45, 1357), (46, 1366), (49, 1381), (56, 1408), (57, 1411), (67, 1477), (70, 1498),

Gene: Quallification_6 Start: 1057, Stop: 1518, Start Num: 19
Candidate Starts for Quallification_6:
(Start: 19 @1057 has 132 MA's), (Start: 25 @1126 has 3 MA's), (31, 1165), (34, 1177), (45, 1261), (46, 1270), (49, 1285), (56, 1312), (57, 1315), (67, 1381), (70, 1402),

Gene: Rakim_6 Start: 1057, Stop: 1518, Start Num: 19
Candidate Starts for Rakim_6:
(Start: 19 @1057 has 132 MA's), (Start: 25 @1126 has 3 MA's), (34, 1177), (45, 1261), (46, 1270), (56, 1312), (57, 1315), (67, 1381), (70, 1402),

Gene: RavenCo17_1 Start: 56, Stop: 520, Start Num: 17
Candidate Starts for RavenCo17_1:
(Start: 17 @56 has 30 MA's), (35, 185), (46, 278), (55, 323), (58, 338), (64, 365), (66, 383), (71, 413), (72, 422), (74, 458), (75, 464),

Gene: Rimmer_6 Start: 1057, Stop: 1518, Start Num: 19
Candidate Starts for Rimmer_6:
(Start: 19 @1057 has 132 MA's), (Start: 25 @1126 has 3 MA's), (34, 1177), (45, 1261), (46, 1270), (56, 1312), (57, 1315), (67, 1381), (70, 1402),

Gene: RiverMonster_5 Start: 1149, Stop: 1610, Start Num: 19

Candidate Starts for RiverMonster_5:
(Start: 19 @1149 has 132 MA's), (Start: 25 @1218 has 3 MA's), (31, 1257), (34, 1269), (45, 1353), (49, 1377), (56, 1404), (57, 1407), (67, 1473), (70, 1494),

Gene: RootBeer_1 Start: 41, Stop: 505, Start Num: 14
Candidate Starts for RootBeer_1:
(Start: 14 @41 has 2 MA's), (26, 128), (33, 167), (43, 242), (59, 338),

Gene: Rowa_1 Start: 67, Stop: 552, Start Num: 14
Candidate Starts for Rowa_1:
(Start: 14 @67 has 2 MA's), (18, 79), (21, 103), (30, 190), (38, 235), (48, 307), (60, 364), (61, 379), (63, 385), (77, 541),

Gene: Saints25_5 Start: 1022, Stop: 1483, Start Num: 19
Candidate Starts for Saints25_5:
(Start: 19 @1022 has 132 MA's), (Start: 25 @1091 has 3 MA's), (31, 1130), (34, 1142), (45, 1226), (46, 1235), (49, 1250), (56, 1277), (57, 1280), (67, 1346), (70, 1367),

Gene: Sassay_5 Start: 776, Stop: 1237, Start Num: 19
Candidate Starts for Sassay_5:
(Start: 19 @776 has 132 MA's), (Start: 25 @845 has 3 MA's), (31, 884), (34, 896), (45, 980), (49, 1004), (56, 1031), (57, 1034), (67, 1100), (70, 1121),

Gene: Scotia_3 Start: 1735, Stop: 2208, Start Num: 10
Candidate Starts for Scotia_3:
(Start: 10 @1735 has 3 MA's), (40, 1927), (46, 1975), (47, 1978), (51, 1996), (66, 2077), (69, 2092), (76, 2161),

Gene: ShamWow_6 Start: 1057, Stop: 1518, Start Num: 19
Candidate Starts for ShamWow_6:
(Start: 19 @1057 has 132 MA's), (Start: 25 @1126 has 3 MA's), (34, 1177), (45, 1261), (46, 1270), (49, 1285), (56, 1312), (57, 1315), (67, 1381), (70, 1402),

Gene: Shambre1_2 Start: 1495, Stop: 1965, Start Num: 12
Candidate Starts for Shambre1_2:
(Start: 12 @1495 has 1 MA's), (26, 1588), (31, 1624), (37, 1660),

Gene: ShereKhan_6 Start: 1057, Stop: 1518, Start Num: 19
Candidate Starts for ShereKhan_6:
(Start: 19 @1057 has 132 MA's), (Start: 25 @1126 has 3 MA's), (31, 1165), (34, 1177), (45, 1261), (46, 1270), (49, 1285), (56, 1312), (57, 1315), (67, 1381), (70, 1402),

Gene: Simpliphy_5 Start: 1013, Stop: 1474, Start Num: 19
Candidate Starts for Simpliphy_5:
(Start: 19 @1013 has 132 MA's), (Start: 25 @1082 has 3 MA's), (31, 1121), (34, 1133), (45, 1217), (46, 1226), (49, 1241), (56, 1268), (57, 1271), (67, 1337), (70, 1358),

Gene: SirDuracell_6 Start: 1057, Stop: 1518, Start Num: 19
Candidate Starts for SirDuracell_6:
(Start: 19 @1057 has 132 MA's), (Start: 25 @1126 has 3 MA's), (34, 1177), (45, 1261), (46, 1270), (56, 1312), (57, 1315), (67, 1381), (70, 1402),

Gene: SophKB_6 Start: 1057, Stop: 1518, Start Num: 19

Candidate Starts for SophKB_6:
(Start: 19 @1057 has 132 MA's), (Start: 25 @1126 has 3 MA's), (34, 1177), (45, 1261), (46, 1270), (49, 1285), (56, 1312), (57, 1315), (67, 1381), (70, 1402),

Gene: Sotrice96_6 Start: 1131, Stop: 1592, Start Num: 19
Candidate Starts for Sotrice96_6:
(Start: 19 @1131 has 132 MA's), (Start: 25 @1200 has 3 MA's), (31, 1239), (34, 1251), (45, 1335), (46, 1344), (49, 1359), (56, 1386), (57, 1389), (67, 1455), (70, 1476),

Gene: Stank_6 Start: 1057, Stop: 1518, Start Num: 19
Candidate Starts for Stank_6:
(Start: 19 @1057 has 132 MA's), (Start: 25 @1126 has 3 MA's), (31, 1165), (34, 1177), (45, 1261), (46, 1270), (49, 1285), (56, 1312), (57, 1315), (67, 1381), (70, 1402),

Gene: Stark_6 Start: 1149, Stop: 1610, Start Num: 19
Candidate Starts for Stark_6:
(Start: 19 @1149 has 132 MA's), (Start: 25 @1218 has 3 MA's), (31, 1257), (34, 1269), (45, 1353), (46, 1362), (49, 1377), (56, 1404), (57, 1407), (67, 1473), (70, 1494),

Gene: StellaBean_6 Start: 1057, Stop: 1518, Start Num: 19
Candidate Starts for StellaBean_6:
(Start: 19 @1057 has 132 MA's), (Start: 25 @1126 has 3 MA's), (34, 1177), (45, 1261), (46, 1270), (49, 1285), (56, 1312), (57, 1315), (67, 1381), (70, 1402),

Gene: StolenFromERC_6 Start: 1057, Stop: 1518, Start Num: 19
Candidate Starts for StolenFromERC_6:
(Start: 19 @1057 has 132 MA's), (Start: 25 @1126 has 3 MA's), (34, 1177), (45, 1261), (46, 1270), (56, 1312), (57, 1315), (67, 1381), (70, 1402),

Gene: StormChicken_6 Start: 1126, Stop: 1518, Start Num: 25
Candidate Starts for StormChicken_6:
(Start: 19 @1057 has 132 MA's), (Start: 25 @1126 has 3 MA's), (31, 1165), (34, 1177), (45, 1261), (46, 1270), (49, 1285), (56, 1312), (57, 1315), (67, 1381), (70, 1402),

Gene: Suscepit_1 Start: 56, Stop: 520, Start Num: 17
Candidate Starts for Suscepit_1:
(Start: 17 @56 has 30 MA's), (35, 185), (46, 278), (55, 323), (58, 338), (64, 365), (66, 383), (71, 413), (72, 422), (74, 458), (75, 464),

Gene: SushiChef_1 Start: 56, Stop: 520, Start Num: 17
Candidate Starts for SushiChef_1:
(Start: 17 @56 has 30 MA's), (35, 185), (46, 278), (55, 323), (58, 338), (64, 365), (66, 383), (71, 413), (72, 422), (74, 458),

Gene: TBrady12_6 Start: 1057, Stop: 1518, Start Num: 19
Candidate Starts for TBrady12_6:
(Start: 19 @1057 has 132 MA's), (Start: 25 @1126 has 3 MA's), (34, 1177), (45, 1261), (46, 1270), (56, 1312), (57, 1315), (67, 1381), (70, 1402),

Gene: Tarkin_6 Start: 1057, Stop: 1518, Start Num: 19
Candidate Starts for Tarkin_6:
(Start: 19 @1057 has 132 MA's), (Start: 25 @1126 has 3 MA's), (34, 1177), (45, 1261), (46, 1270), (49, 1285), (56, 1312), (57, 1315), (67, 1381), (70, 1402),

Gene: Tayonia_1 Start: 56, Stop: 520, Start Num: 17
Candidate Starts for Tayonia_1:
(Start: 17 @56 has 30 MA's), (35, 185), (46, 278), (55, 323), (58, 338), (64, 365), (66, 383), (71, 413), (72, 422), (74, 458), (75, 464),

Gene: TeamEdward_6 Start: 1054, Stop: 1515, Start Num: 19
Candidate Starts for TeamEdward_6:
(Start: 19 @1054 has 132 MA's), (Start: 25 @1123 has 3 MA's), (31, 1162), (34, 1174), (45, 1258), (46, 1267), (49, 1282), (56, 1309), (57, 1312), (67, 1378), (70, 1399),

Gene: TeardropMSU_5 Start: 1057, Stop: 1518, Start Num: 19
Candidate Starts for TeardropMSU_5:
(Start: 19 @1057 has 132 MA's), (Start: 25 @1126 has 3 MA's), (34, 1177), (45, 1261), (46, 1270), (49, 1285), (56, 1312), (57, 1315), (67, 1381), (70, 1402),

Gene: Teaspoon_6 Start: 1057, Stop: 1518, Start Num: 19
Candidate Starts for Teaspoon_6:
(Start: 19 @1057 has 132 MA's), (Start: 25 @1126 has 3 MA's), (34, 1177), (45, 1261), (46, 1270), (56, 1312), (57, 1315), (67, 1381), (70, 1402),

Gene: Terminus_5 Start: 776, Stop: 1237, Start Num: 19
Candidate Starts for Terminus_5:
(Start: 19 @776 has 132 MA's), (Start: 25 @845 has 3 MA's), (31, 884), (34, 896), (45, 980), (49, 1004), (56, 1031), (57, 1034), (67, 1100), (70, 1121),

Gene: ThankyouJordi_1 Start: 56, Stop: 520, Start Num: 17
Candidate Starts for ThankyouJordi_1:
(Start: 17 @56 has 30 MA's), (35, 185), (41, 239), (46, 278), (55, 323), (58, 338), (64, 365), (66, 383), (71, 413), (72, 422), (74, 458), (75, 464),

Gene: Thimble_6 Start: 1128, Stop: 1589, Start Num: 19
Candidate Starts for Thimble_6:
(Start: 19 @1128 has 132 MA's), (Start: 25 @1197 has 3 MA's), (31, 1236), (34, 1248), (45, 1332), (46, 1341), (49, 1356), (56, 1383), (57, 1386), (67, 1452), (70, 1473),

Gene: Thresher_6 Start: 1149, Stop: 1610, Start Num: 19
Candidate Starts for Thresher_6:
(Start: 19 @1149 has 132 MA's), (Start: 25 @1218 has 3 MA's), (31, 1257), (34, 1269), (45, 1353), (46, 1362), (49, 1377), (56, 1404), (57, 1407), (67, 1473), (70, 1494),

Gene: TimTam_1 Start: 56, Stop: 520, Start Num: 17
Candidate Starts for TimTam_1:
(Start: 17 @56 has 30 MA's), (35, 185), (42, 245), (46, 278), (55, 323), (58, 338), (64, 365), (66, 383), (71, 413), (72, 422), (74, 458), (75, 464),

Gene: Tomaszewski_5 Start: 776, Stop: 1237, Start Num: 19
Candidate Starts for Tomaszewski_5:
(Start: 19 @776 has 132 MA's), (Start: 25 @845 has 3 MA's), (31, 884), (34, 896), (45, 980), (49, 1004), (56, 1031), (57, 1034), (67, 1100), (70, 1121),

Gene: Toto_6 Start: 1057, Stop: 1518, Start Num: 19
Candidate Starts for Toto_6:

(Start: 19 @1057 has 132 MA's), (Start: 25 @1126 has 3 MA's), (34, 1177), (45, 1261), (46, 1270), (49, 1285), (56, 1312), (57, 1315), (67, 1381), (70, 1402),

Gene: Traaww1_5 Start: 1043, Stop: 1504, Start Num: 19
Candidate Starts for Traaww1_5:
(Start: 19 @1043 has 132 MA's), (Start: 25 @1112 has 3 MA's), (34, 1163), (45, 1247), (46, 1256), (56, 1298), (57, 1301), (67, 1367), (70, 1388),

Gene: Trumpet_1 Start: 56, Stop: 520, Start Num: 17
Candidate Starts for Trumpet_1:
(Start: 17 @56 has 30 MA's), (35, 185), (46, 278), (55, 323), (58, 338), (64, 365), (66, 383), (71, 413), (72, 422), (74, 458), (75, 464),

Gene: Tuco_6 Start: 1057, Stop: 1518, Start Num: 19
Candidate Starts for Tuco_6:
(Start: 19 @1057 has 132 MA's), (Start: 25 @1126 has 3 MA's), (34, 1177), (45, 1261), (46, 1270), (56, 1312), (57, 1315), (67, 1381), (70, 1402),

Gene: Ukulele_5 Start: 1152, Stop: 1613, Start Num: 19
Candidate Starts for Ukulele_5:
(Start: 19 @1152 has 132 MA's), (Start: 25 @1221 has 3 MA's), (31, 1260), (34, 1272), (45, 1356), (46, 1365), (49, 1380), (56, 1407), (57, 1410), (67, 1476), (70, 1497),

Gene: WelcomeAyanna_1 Start: 56, Stop: 520, Start Num: 17
Candidate Starts for WelcomeAyanna_1:
(Start: 17 @56 has 30 MA's), (35, 185), (41, 239), (46, 278), (55, 323), (58, 338), (64, 365), (66, 383), (71, 413), (72, 422), (74, 458), (75, 464),

Gene: Wiggin_6 Start: 1057, Stop: 1518, Start Num: 19
Candidate Starts for Wiggin_6:
(Start: 19 @1057 has 132 MA's), (Start: 25 @1126 has 3 MA's), (34, 1177), (45, 1261), (46, 1270), (56, 1312), (57, 1315), (67, 1381), (70, 1402),

Gene: Willez_5 Start: 776, Stop: 1237, Start Num: 19
Candidate Starts for Willez_5:
(Start: 19 @776 has 132 MA's), (Start: 25 @845 has 3 MA's), (31, 884), (34, 896), (45, 980), (49, 1004), (56, 1031), (57, 1034), (67, 1100), (70, 1121),

Gene: Xandras_6 Start: 1057, Stop: 1518, Start Num: 19
Candidate Starts for Xandras_6:
(Start: 19 @1057 has 132 MA's), (Start: 25 @1126 has 3 MA's), (34, 1177), (45, 1261), (46, 1270), (56, 1312), (57, 1315), (67, 1381), (70, 1402),

Gene: YassJohnny_6 Start: 1057, Stop: 1518, Start Num: 19
Candidate Starts for YassJohnny_6:
(Start: 19 @1057 has 132 MA's), (Start: 25 @1126 has 3 MA's), (34, 1177), (45, 1261), (46, 1270), (56, 1312), (57, 1315), (67, 1381), (70, 1402),

Gene: Youngblood_5 Start: 776, Stop: 1237, Start Num: 19
Candidate Starts for Youngblood_5:
(Start: 19 @776 has 132 MA's), (Start: 25 @845 has 3 MA's), (31, 884), (34, 896), (45, 980), (46, 989), (49, 1004), (56, 1031), (57, 1034), (67, 1100), (70, 1121),

Gene: Zameen_1 Start: 56, Stop: 520, Start Num: 17
Candidate Starts for Zameen_1:
(Start: 17 @56 has 30 MA's), (35, 185), (46, 278), (55, 323), (58, 338), (64, 365), (66, 383), (71, 413), (72, 422), (74, 458), (75, 464),

Gene: Zirinka_1 Start: 56, Stop: 520, Start Num: 17
Candidate Starts for Zirinka_1:
(Start: 17 @56 has 30 MA's), (35, 185), (42, 245), (46, 278), (55, 323), (58, 338), (64, 365), (66, 383), (71, 413), (72, 422), (74, 458), (75, 464),

Gene: xkcd_6 Start: 928, Stop: 1389, Start Num: 19
Candidate Starts for xkcd_6:
(Start: 19 @928 has 132 MA's), (Start: 25 @997 has 3 MA's), (31, 1036), (34, 1048), (45, 1132), (46, 1141), (49, 1156), (56, 1183), (57, 1186), (67, 1252), (70, 1273),