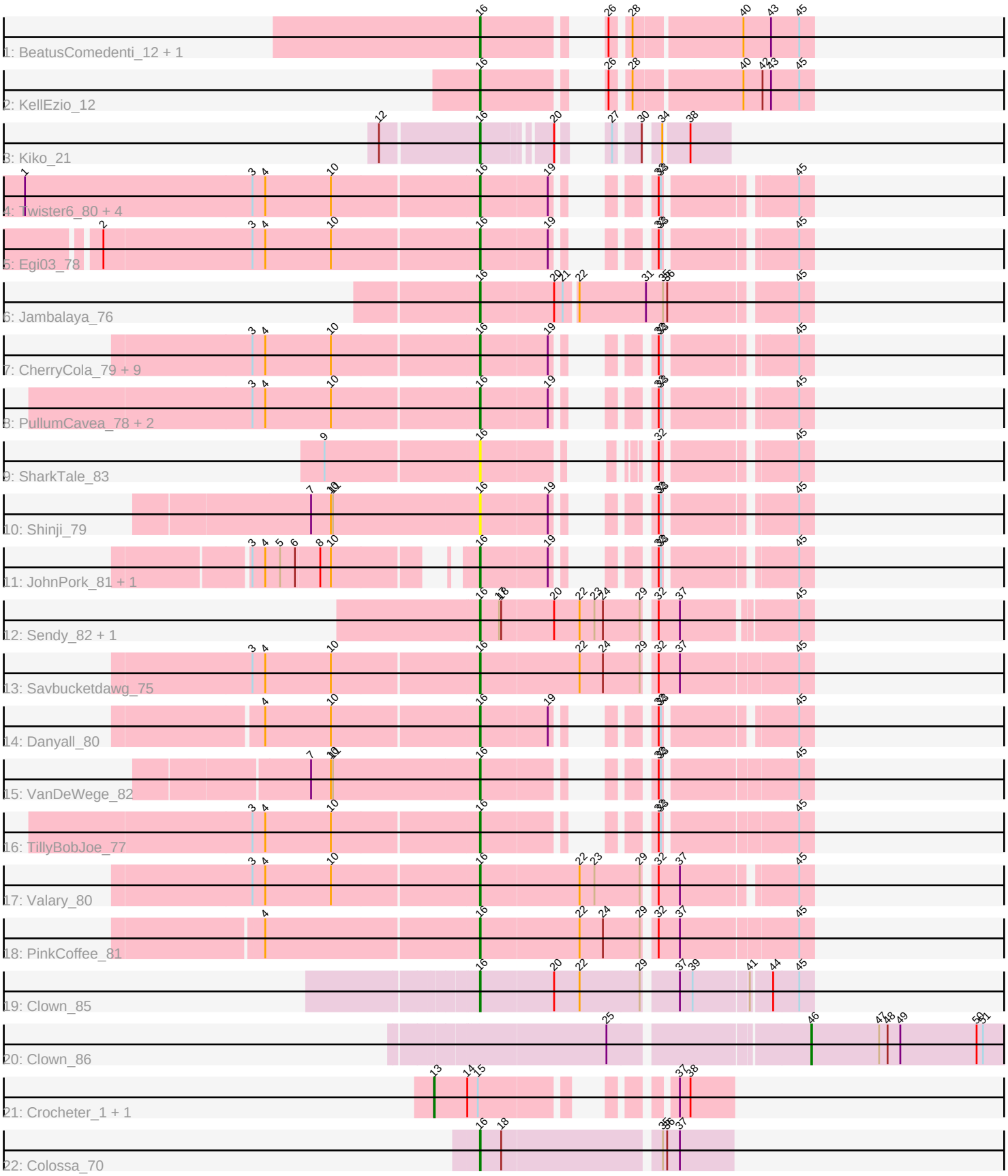
Pham 347782


1: BeatusComedenti_12 + 1
2: KellEzio_12
3: Kiko_21
4: Twister6_80 + 4
5: Egi03_78
6: Jambalaya_76
7: CherryCola_79 + 9
8: PullumCavea_78 + 2
9: SharkTale_83
10: Shinji_79
11: JohnPork_81 + 1
12: Sendy_82 + 1
13: Savbucketdawg_75
14: Danyall_80
15: VanDeWege_82
16: TillyBobJoe_77
17: Valary_80
18: PinkCoffee_81
19: Clown_85
20: Clown_86
21: Crocheter_1 + 1
22: Colossa_70

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 347782 Report

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

Pham number 347782 has 41 members, 5 are drafts.

Phages represented in each track:
• Track 1 : BeatusComedenti_12, Kitkat_13
• Track 2 : KellEzio_12
• Track 3 : Kiko_21
• Track 4 : Twister6_80, SmokingBunny_80, Evamon_79, Togo_79, Salvador_79
• Track 5 : Egi03_78
• Track 6 : Jambalaya_76
• Track 7 : CherryCola_79, Sixsevenium_81, Gezellig_76, KimmyK_79, Halo3_77, Mutzi_77, Bakery_84, CoveyB_80, YungMoney_78, Wizard_76
• Track 8 : PullumCavea_78, Phlop_77, RogerDodger_83
• Track 9 : SharkTale_83
• Track 10 : Shinji_79
• Track 11 : JohnPork_81, Portcullis_80
• Track 12 : Sendy_82, Nubi_81
• Track 13 : Savbucketdawg_75
• Track 14 : Danyall_80
• Track 15 : VanDeWege_82
• Track 16 : TillyBobJoe_77
• Track 17 : Valary_80
• Track 18 : PinkCoffee_81
• Track 19 : Clown_85
• Track 20 : Clown_86
• Track 21 : Crocheter_1, Untouchable_1
• Track 22 : Colossa_70

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 33 of the 36 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Bakery_84, BeatusComedenti_12, CherryCola_79, Clown_85, Colossa_70, CoveyB_80, Danyall_80, Egi03_78, Evamon_79, Gezellig_76, Halo3_77, Jambalaya_76, JohnPork_81, KellEzio_12, Kiko_21, KimmyK_79, Kitkat_13, Mutzi_77, Nubi_81, Phlop_77, PinkCoffee_81, Portcullis_80, PullumCavea_78,

RogerDodger_83, Salvador_79, Savbucketdawg_75, Sendy_82, SharkTale_83, Shinji_79, Sixsevenium_81, SmokingBunny_80, TillyBobJoe_77, Togo_79, Twister6_80, Valary_80, VanDeWege_82, Wizard_76, YungMoney_78,

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

Genes that do not have the "Most Annotated" start:
• Clown_86, Crocheter_1, Untouchable_1,

Summary by start number:

Start 13:
• Found in 2 of 41 (4.9%) of genes in pham
• Manual Annotations of this start: 2 of 36
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Crocheter_1 (DJ), Untouchable_1 (DJ),

Start 16:
• Found in 38 of 41 (92.7%) of genes in pham
• Manual Annotations of this start: 33 of 36
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Bakery_84 (DC1), BeatusComedenti_12 (AT), CherryCola_79 (DC1), Clown_85 (DC2), Colossa_70 (KA), CoveyB_80 (DC1), Danyall_80 (DC1), Egi03_78 (DC1), Evamon_79 (DC1), Gezellig_76 (DC1), Halo3_77 (DC1), Jambalaya_76 (DC1), JohnPork_81 (DC1), KellEzio_12 (AT), Kiko_21 (DB), KimmyK_79 (DC1), Kitkat_13 (AT), Mutzi_77 (DC1), Nubi_81 (DC1), Phlop_77 (DC1), PinkCoffee_81 (DC1), Portcullis_80 (DC1), PullumCavea_78 (DC1), RogerDodger_83 (DC1), Salvador_79 (DC1), Savbucketdawg_75 (DC1), Sendy_82 (DC1), SharkTale_83 (DC1), Shinji_79 (DC1), Sixsevenium_81 (DC1), SmokingBunny_80 (DC1), TillyBobJoe_77 (DC1), Togo_79 (DC1), Twister6_80 (DC1), Valary_80 (DC1), VanDeWege_82 (DC1), Wizard_76 (DC1), YungMoney_78 (DC1),

Start 46:
• Found in 1 of 41 (2.4%) of genes in pham
• Manual Annotations of this start: 1 of 36
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Clown_86 (DC2),

Summary by clusters:

There are 6 clusters represented in this pham: KA, DJ, DB, AT, DC2, DC1,

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

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

Info for manual annotations of cluster DC1:
•Start number 16 was manually annotated 27 times for cluster DC1.

Info for manual annotations of cluster DC2:
•Start number 16 was manually annotated 1 time for cluster DC2.
•Start number 46 was manually annotated 1 time for cluster DC2.

Info for manual annotations of cluster DJ:
•Start number 13 was manually annotated 2 times for cluster DJ.

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

Gene Information:

Gene: Bakery_84 Start: 55024, Stop: 55362, Start Num: 16
Candidate Starts for Bakery_84:
(3, 54715), (4, 54733), (10, 54826), (Start: 16 @55024 has 33 MA's), (19, 55117), (32, 55180), (33, 55183), (45, 55342),

Gene: BeatusComedenti_12 Start: 5593, Stop: 5973, Start Num: 16
Candidate Starts for BeatusComedenti_12:
(Start: 16 @5593 has 33 MA's), (26, 5710), (28, 5731), (40, 5875), (43, 5914), (45, 5953),

Gene: CherryCola_79 Start: 53272, Stop: 53610, Start Num: 16
Candidate Starts for CherryCola_79:
(3, 52963), (4, 52981), (10, 53074), (Start: 16 @53272 has 33 MA's), (19, 53365), (32, 53428), (33, 53431), (45, 53590),

Gene: Clown_85 Start: 54601, Stop: 55038, Start Num: 16
Candidate Starts for Clown_85:
(Start: 16 @54601 has 33 MA's), (20, 54703), (22, 54739), (29, 54823), (37, 54865), (39, 54883), (41, 54955), (44, 54982), (45, 55018),

Gene: Clown_86 Start: 55035, Stop: 55358, Start Num: 46
Candidate Starts for Clown_86:
(25, 54777), (Start: 46 @55035 has 1 MA's), (47, 55131), (48, 55143), (49, 55161), (50, 55269), (51, 55278),

Gene: Colossa_70 Start: 43019, Stop: 43357, Start Num: 16
Candidate Starts for Colossa_70:
(Start: 16 @43019 has 33 MA's), (18, 43049), (35, 43259), (36, 43265), (37, 43283),

Gene: CoveyB_80 Start: 52764, Stop: 53102, Start Num: 16
Candidate Starts for CoveyB_80:
(3, 52455), (4, 52473), (10, 52566), (Start: 16 @52764 has 33 MA's), (19, 52857), (32, 52920), (33, 52923), (45, 53082),

Gene: Crocheter_1 Start: 152, Stop: 469, Start Num: 13
Candidate Starts for Crocheter_1:
(Start: 13 @152 has 2 MA's), (14, 197), (15, 212), (37, 395), (38, 410),

Gene: Danyall_80 Start: 52458, Stop: 52796, Start Num: 16
Candidate Starts for Danyall_80:

(4, 52167), (10, 52260), (Start: 16 @52458 has 33 MA's), (19, 52551), (32, 52614), (33, 52617), (45, 52776),

Gene: Egi03_78 Start: 52324, Stop: 52662, Start Num: 16
Candidate Starts for Egi03_78:
(2, 51808), (3, 52015), (4, 52033), (10, 52126), (Start: 16 @52324 has 33 MA's), (19, 52417), (32, 52480), (33, 52483), (45, 52642),

Gene: Evamon_79 Start: 52689, Stop: 53027, Start Num: 16
Candidate Starts for Evamon_79:
(1, 52059), (3, 52380), (4, 52398), (10, 52491), (Start: 16 @52689 has 33 MA's), (19, 52782), (32, 52845), (33, 52848), (45, 53007),

Gene: Gezellig_76 Start: 52517, Stop: 52855, Start Num: 16
Candidate Starts for Gezellig_76:
(3, 52208), (4, 52226), (10, 52319), (Start: 16 @52517 has 33 MA's), (19, 52610), (32, 52673), (33, 52676), (45, 52835),

Gene: Halo3_77 Start: 53102, Stop: 53440, Start Num: 16
Candidate Starts for Halo3_77:
(3, 52793), (4, 52811), (10, 52904), (Start: 16 @53102 has 33 MA's), (19, 53195), (32, 53258), (33, 53261), (45, 53420),

Gene: Jambalaya_76 Start: 51745, Stop: 52182, Start Num: 16
Candidate Starts for Jambalaya_76:
(Start: 16 @51745 has 33 MA's), (20, 51847), (21, 51859), (22, 51874), (31, 51967), (35, 51991), (36, 51997), (45, 52162),

Gene: JohnPork_81 Start: 52573, Stop: 52911, Start Num: 16
Candidate Starts for JohnPork_81:
(3, 52324), (4, 52342), (5, 52363), (6, 52384), (8, 52417), (10, 52432), (Start: 16 @52573 has 33 MA's), (19, 52666), (32, 52729), (33, 52732), (45, 52891),

Gene: KellEzio_12 Start: 5595, Stop: 5975, Start Num: 16
Candidate Starts for KellEzio_12:
(Start: 16 @5595 has 33 MA's), (26, 5712), (28, 5733), (40, 5877), (42, 5904), (43, 5916), (45, 5955),

Gene: Kiko_21 Start: 18413, Stop: 18652, Start Num: 16
Candidate Starts for Kiko_21:
(12, 18278), (Start: 16 @18413 has 33 MA's), (20, 18497), (27, 18518), (30, 18548), (34, 18563), (38, 18596),

Gene: KimmyK_79 Start: 52964, Stop: 53302, Start Num: 16
Candidate Starts for KimmyK_79:
(3, 52655), (4, 52673), (10, 52766), (Start: 16 @52964 has 33 MA's), (19, 53057), (32, 53120), (33, 53123), (45, 53282),

Gene: Kitkat_13 Start: 5719, Stop: 6099, Start Num: 16
Candidate Starts for Kitkat_13:
(Start: 16 @5719 has 33 MA's), (26, 5836), (28, 5857), (40, 6001), (43, 6040), (45, 6079),

Gene: Mutzi_77 Start: 53222, Stop: 53563, Start Num: 16
Candidate Starts for Mutzi_77:

(3, 52913), (4, 52931), (10, 53024), (Start: 16 @53222 has 33 MA's), (19, 53315), (32, 53378), (33, 53381), (45, 53543),

Gene: Nubi_81 Start: 52625, Stop: 53056, Start Num: 16
Candidate Starts for Nubi_81:
(Start: 16 @52625 has 33 MA's), (17, 52652), (18, 52655), (20, 52727), (22, 52763), (23, 52784), (24, 52796), (29, 52847), (32, 52859), (37, 52889), (45, 53036),

Gene: Phlop_77 Start: 52567, Stop: 52905, Start Num: 16
Candidate Starts for Phlop_77:
(3, 52258), (4, 52276), (10, 52369), (Start: 16 @52567 has 33 MA's), (19, 52660), (32, 52723), (33, 52726), (45, 52885),

Gene: PinkCoffee_81 Start: 52499, Stop: 52939, Start Num: 16
Candidate Starts for PinkCoffee_81:
(4, 52208), (Start: 16 @52499 has 33 MA's), (22, 52637), (24, 52670), (29, 52721), (32, 52733), (37, 52763), (45, 52919),

Gene: Portcullis_80 Start: 52573, Stop: 52911, Start Num: 16
Candidate Starts for Portcullis_80:
(3, 52324), (4, 52342), (5, 52363), (6, 52384), (8, 52417), (10, 52432), (Start: 16 @52573 has 33 MA's), (19, 52666), (32, 52729), (33, 52732), (45, 52891),

Gene: PullumCavea_78 Start: 52744, Stop: 53082, Start Num: 16
Candidate Starts for PullumCavea_78:
(3, 52435), (4, 52453), (10, 52546), (Start: 16 @52744 has 33 MA's), (19, 52837), (32, 52900), (33, 52903), (45, 53062),

Gene: RogerDodger_83 Start: 53332, Stop: 53670, Start Num: 16
Candidate Starts for RogerDodger_83:
(3, 53023), (4, 53041), (10, 53134), (Start: 16 @53332 has 33 MA's), (19, 53425), (32, 53488), (33, 53491), (45, 53650),

Gene: Salvador_79 Start: 52687, Stop: 53025, Start Num: 16
Candidate Starts for Salvador_79:
(1, 52057), (3, 52378), (4, 52396), (10, 52489), (Start: 16 @52687 has 33 MA's), (19, 52780), (32, 52843), (33, 52846), (45, 53005),

Gene: Savbucketdawg_75 Start: 52079, Stop: 52519, Start Num: 16
Candidate Starts for Savbucketdawg_75:
(3, 51770), (4, 51788), (10, 51881), (Start: 16 @52079 has 33 MA's), (22, 52217), (24, 52250), (29, 52301), (32, 52313), (37, 52343), (45, 52499),

Gene: Sendy_82 Start: 52826, Stop: 53257, Start Num: 16
Candidate Starts for Sendy_82:
(Start: 16 @52826 has 33 MA's), (17, 52853), (18, 52856), (20, 52928), (22, 52964), (23, 52985), (24, 52997), (29, 53048), (32, 53060), (37, 53090), (45, 53237),

Gene: SharkTale_83 Start: 54935, Stop: 55258, Start Num: 16
Candidate Starts for SharkTale_83:
(9, 54728), (Start: 16 @54935 has 33 MA's), (32, 55076), (45, 55238),

Gene: Shinji_79 Start: 52690, Stop: 53028, Start Num: 16

Candidate Starts for Shinji_79:
(7, 52456), (10, 52483), (11, 52486), (Start: 16 @52690 has 33 MA's), (19, 52783), (32, 52846), (33, 52849), (45, 53008),

Gene: Sixsevenium_81 Start: 54005, Stop: 54343, Start Num: 16
Candidate Starts for Sixsevenium_81:
(3, 53696), (4, 53714), (10, 53807), (Start: 16 @54005 has 33 MA's), (19, 54098), (32, 54161), (33, 54164), (45, 54323),

Gene: SmokingBunny_80 Start: 53683, Stop: 54021, Start Num: 16
Candidate Starts for SmokingBunny_80:
(1, 53053), (3, 53374), (4, 53392), (10, 53485), (Start: 16 @53683 has 33 MA's), (19, 53776), (32, 53839), (33, 53842), (45, 54001),

Gene: TillyBobJoe_77 Start: 52709, Stop: 53059, Start Num: 16
Candidate Starts for TillyBobJoe_77:
(3, 52400), (4, 52418), (10, 52511), (Start: 16 @52709 has 33 MA's), (32, 52865), (33, 52868), (45, 53039),

Gene: Togo_79 Start: 53683, Stop: 54021, Start Num: 16
Candidate Starts for Togo_79:
(1, 53053), (3, 53374), (4, 53392), (10, 53485), (Start: 16 @53683 has 33 MA's), (19, 53776), (32, 53839), (33, 53842), (45, 54001),

Gene: Twister6_80 Start: 52032, Stop: 52370, Start Num: 16
Candidate Starts for Twister6_80:
(1, 51402), (3, 51723), (4, 51741), (10, 51834), (Start: 16 @52032 has 33 MA's), (19, 52125), (32, 52188), (33, 52191), (45, 52350),

Gene: Untouchable_1 Start: 152, Stop: 469, Start Num: 13
Candidate Starts for Untouchable_1:
(Start: 13 @152 has 2 MA's), (14, 197), (15, 212), (37, 395), (38, 410),

Gene: Valary_80 Start: 53339, Stop: 53767, Start Num: 16
Candidate Starts for Valary_80:
(3, 53030), (4, 53048), (10, 53141), (Start: 16 @53339 has 33 MA's), (22, 53477), (23, 53498), (29, 53561), (32, 53573), (37, 53603), (45, 53747),

Gene: VanDeWege_82 Start: 53340, Stop: 53690, Start Num: 16
Candidate Starts for VanDeWege_82:
(7, 53106), (10, 53133), (11, 53136), (Start: 16 @53340 has 33 MA's), (32, 53496), (33, 53499), (45, 53670),

Gene: Wizard_76 Start: 52517, Stop: 52855, Start Num: 16
Candidate Starts for Wizard_76:
(3, 52208), (4, 52226), (10, 52319), (Start: 16 @52517 has 33 MA's), (19, 52610), (32, 52673), (33, 52676), (45, 52835),

Gene: YungMoney_78 Start: 54062, Stop: 54403, Start Num: 16
Candidate Starts for YungMoney_78:
(3, 53753), (4, 53771), (10, 53864), (Start: 16 @54062 has 33 MA's), (19, 54155), (32, 54218), (33, 54221), (45, 54383),