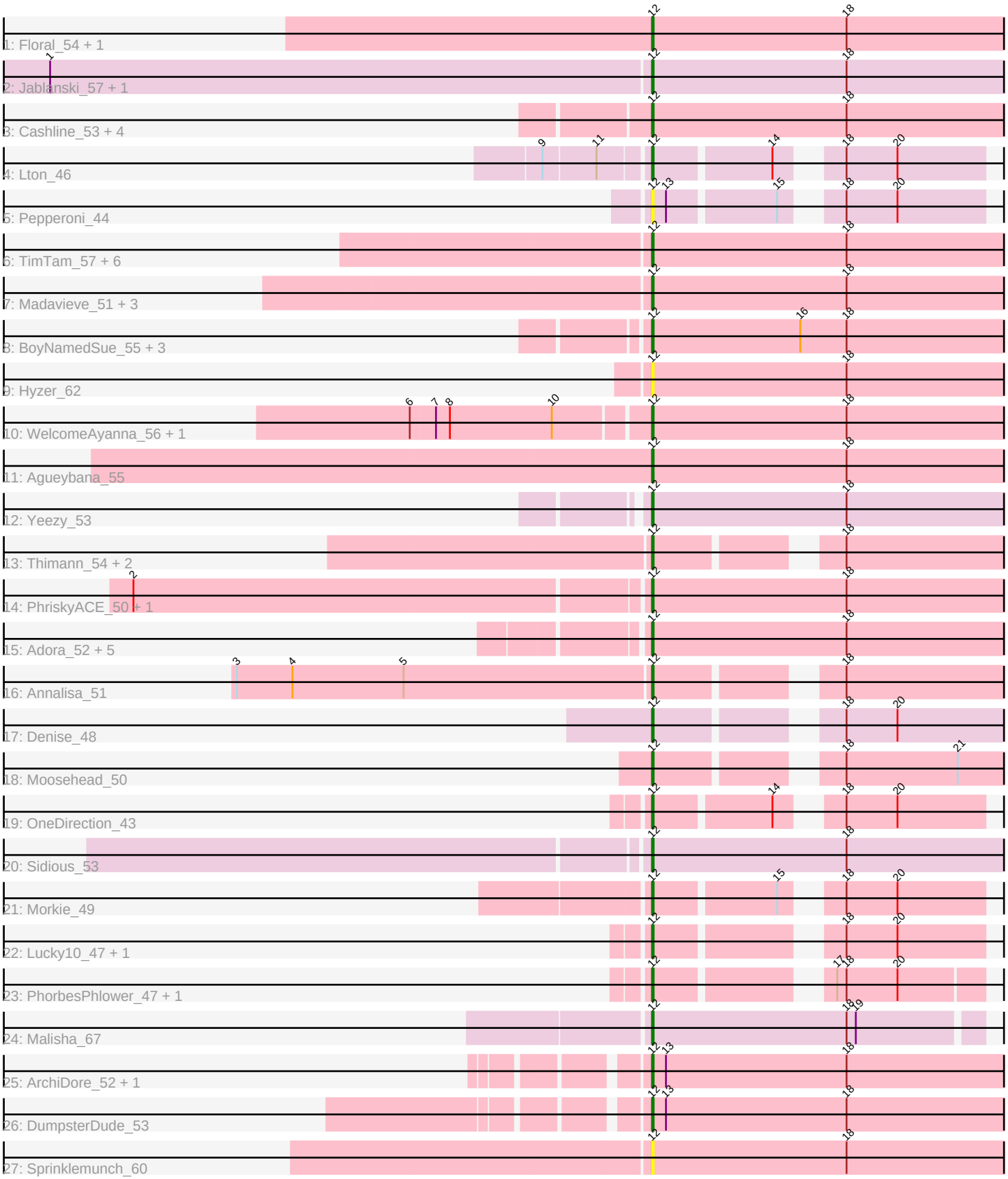
Pham 296610


1: Floral_54 + 1
2: Jablanski_57 + 1
3: Cashline_53 + 4
4: Lton_46
5: Pepperoni_44
6: TimTam_57 + 6
7: Madavieve_51 + 3
8: BoyNamedSue_55 + 3
9: Hyzer_62
10: WelcomeAyanna_56 + 1
11: Agueybana_55
12: Yeezy_53
13: Thimann_54 + 2
14: PhriskyACE_50 + 1
15: Adora_52 + 5
16: Annalisa_51
17: Denise_48
18: Moosehead_50
19: OneDirection_43
20: Sidious_53
21: Morkie_49
22: Lucky10_47 + 1
23: PhorbesPhlower_47 + 1
24: Malisha_67
25: ArchiDore_52 + 1
26: DumpsterDude_53
27: Sprinklemunch_60

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 296610 Report

This analysis was run 04/25/26 on database version 644.

Pham number 296610 has 57 members, 8 are drafts.

Phages represented in each track:
• Track 1 : Floral_54, Pollux_56
• Track 2 : Jablanski_57, Pytheas_57
• Track 3 : Cashline_53, Ohgeesy_54, BaxterFox_57, Ebert_54, Madeline_54
• Track 4 : Lton_46
• Track 5 : Pepperoni_44
• Track 6 : TimTam_57, Herod_55, Eviarto_57, Hugley_53, BatStarr_56, PantheRoc_57, Nymphadora_57
• Track 7 : Madavieve_51, Maridalia_57, SushiChef_53, Bunnybear_49
• Track 8 : BoyNamedSue_55, Marteena_52, EMsquaredA_53, AlumE_55
• Track 9 : Hyzer_62
• Track 10 : WelcomeAyanna_56, ThankyouJordi_56
• Track 11 : Agueybana_55
• Track 12 : Yeezy_53
• Track 13 : Thimann_54, Oregano_54, Easley_49
• Track 14 : PhriskyACE_50, Powerball_51
• Track 15 : Adora_52, Hortense_55, Mcklovin_51, Shlim410_53, Howe_55, Twinkle_54
• Track 16 : Annalisa_51
• Track 17 : Denise_48
• Track 18 : Moosehead_50
• Track 19 : OneDirection_43
• Track 20 : Sidious_53
• Track 21 : Morkie_49
• Track 22 : Lucky10_47, Faith5x5_42
• Track 23 : PhorbesPhlower_47, InLimbo_47
• Track 24 : Malisha_67
• Track 25 : ArchiDore_52, Ruthy_52
• Track 26 : DumpsterDude_53
• Track 27 : Sprinklemunch_60

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

The start number called the most often in the published annotations is 12, it was called in 49 of the 49 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Adora_52, Agueybana_55, AlumE_55, Annalisa_51, ArchiDore_52, BatStarr_56, BaxterFox_57, BoyNamedSue_55, Bunnybear_49, Cashline_53, Denise_48, DumpsterDude_53, EMsquaredA_53, Easley_49, Ebert_54, Eviarto_57, Faith5x5_42, Floral_54, Herod_55, Hortense_55, Howe_55, Hugley_53, Hyzer_62, InLimbo_47, Jablanski_57, Lton_46, Lucky10_47, Madavieve_51, Madeline_54, Malisha_67, Maridalia_57, Marteena_52, Mcklovin_51, Moosehead_50, Morkie_49, Nymphadora_57, Ohgeesy_54, OneDirection_43, Oregano_54, PantheRoc_57, Pepperoni_44, PhorbesPhlower_47, PhriskyACE_50, Pollux_56, Powerball_51, Pytheas_57, Ruthy_52, Shlim410_53, Sidious_53, Sprinklemunch_60, SushiChef_53, ThankyouJordi_56, Thimann_54, TimTam_57, Twinkle_54, WelcomeAyanna_56, Yeezy_53,

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

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

Summary by start number:

Start 12:
• Found in 57 of 57 (100.0%) of genes in pham
• Manual Annotations of this start: 49 of 49
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Adora_52 (CZ4), Agueybana_55 (CZ1), AlumE_55 (CZ1), Annalisa_51 (CZ4), ArchiDore_52 (DW), BatStarr_56 (CZ1), BaxterFox_57 (CZ3), BoyNamedSue_55 (CZ1), Bunnybear_49 (CZ), Cashline_53 (CY6), Denise_48 (CZ5), DumpsterDude_53 (DW), EMsquaredA_53 (CY1), Easley_49 (CZ4), Ebert_54 (CZ2), Eviarto_57 (CZ1), Faith5x5_42 (CZ6), Floral_54 (CY1), Herod_55 (CZ1), Hortense_55 (CZ4), Howe_55 (CZ4), Hugley_53 (CZ1), Hyzer_62 (CZ1), InLimbo_47 (DH), Jablanski_57 (CY3), Lton_46 (CZ), Lucky10_47 (DH), Madavieve_51 (CZ1), Madeline_54 (CZ1), Malisha_67 (DN), Maridalia_57 (CZ1), Marteena_52 (CY1), Mcklovin_51 (CZ4), Moosehead_50 (CZ6), Morkie_49 (DH), Nymphadora_57 (CZ1), Ohgeesy_54 (CZ), OneDirection_43 (CZ6), Oregano_54 (CZ4), PantheRoc_57 (CZ3), Pepperoni_44 (CZ), PhorbesPhlower_47 (DH), PhriskyACE_50 (CZ4), Pollux_56 (CY1), Powerball_51 (CZ4), Pytheas_57 (CY3), Ruthy_52 (DW), Shlim410_53 (CZ4), Sidious_53 (CZ7), Sprinklemunch_60 (DW), SushiChef_53 (CZ), ThankyouJordi_56 (CZ1), Thimann_54 (CZ4), TimTam_57 (CZ1), Twinkle_54 (CZ4), WelcomeAyanna_56 (CZ1), Yeezy_53 (CZ3),

Summary by clusters:

There are 14 clusters represented in this pham: DN, CY3, CY1, CY6, DH, CZ2, CZ3, CZ1, CZ6, CZ7, CZ4, CZ5, CZ, DW,

Info for manual annotations of cluster CY1:
•Start number 12 was manually annotated 4 times for cluster CY1.

Info for manual annotations of cluster CY3:
•Start number 12 was manually annotated 2 times for cluster CY3.

Info for manual annotations of cluster CY6:
•Start number 12 was manually annotated 1 time for cluster CY6.

Info for manual annotations of cluster CZ:
•Start number 12 was manually annotated 3 times for cluster CZ.

Info for manual annotations of cluster CZ1:
•Start number 12 was manually annotated 12 times for cluster CZ1.

Info for manual annotations of cluster CZ2:
•Start number 12 was manually annotated 1 time for cluster CZ2.

Info for manual annotations of cluster CZ3:
•Start number 12 was manually annotated 3 times for cluster CZ3.

Info for manual annotations of cluster CZ4:
•Start number 12 was manually annotated 11 times for cluster CZ4.

Info for manual annotations of cluster CZ5:
•Start number 12 was manually annotated 1 time for cluster CZ5.

Info for manual annotations of cluster CZ6:
•Start number 12 was manually annotated 3 times for cluster CZ6.

Info for manual annotations of cluster CZ7:
•Start number 12 was manually annotated 1 time for cluster CZ7.

Info for manual annotations of cluster DH:
•Start number 12 was manually annotated 3 times for cluster DH.

Info for manual annotations of cluster DN:
•Start number 12 was manually annotated 1 time for cluster DN.

Info for manual annotations of cluster DW:
•Start number 12 was manually annotated 3 times for cluster DW.

Gene Information:

Gene: Adora_52 Start: 38735, Stop: 38977, Start Num: 12
Candidate Starts for Adora_52:
(Start: 12 @38735 has 49 MA's), (18, 38861),

Gene: Agueybana_55 Start: 39414, Stop: 39656, Start Num: 12
Candidate Starts for Agueybana_55:
(Start: 12 @39414 has 49 MA's), (18, 39540),

Gene: AlumE_55 Start: 39196, Stop: 39438, Start Num: 12
Candidate Starts for AlumE_55:
(Start: 12 @39196 has 49 MA's), (16, 39292), (18, 39322),

Gene: Annalisa_51 Start: 35580, Stop: 35795, Start Num: 12

Candidate Starts for Annalisa_51:
(3, 35316), (4, 35352), (5, 35424), (Start: 12 @35580 has 49 MA's), (18, 35679),

Gene: ArchiDore_52 Start: 39524, Stop: 39766, Start Num: 12
Candidate Starts for ArchiDore_52:
(Start: 12 @39524 has 49 MA's), (13, 39533), (18, 39650),

Gene: BatStarr_56 Start: 40720, Stop: 40962, Start Num: 12
Candidate Starts for BatStarr_56:
(Start: 12 @40720 has 49 MA's), (18, 40846),

Gene: BaxterFox_57 Start: 40474, Stop: 40716, Start Num: 12
Candidate Starts for BaxterFox_57:
(Start: 12 @40474 has 49 MA's), (18, 40600),

Gene: BoyNamedSue_55 Start: 39196, Stop: 39438, Start Num: 12
Candidate Starts for BoyNamedSue_55:
(Start: 12 @39196 has 49 MA's), (16, 39292), (18, 39322),

Gene: Bunnybear_49 Start: 37204, Stop: 37446, Start Num: 12
Candidate Starts for Bunnybear_49:
(Start: 12 @37204 has 49 MA's), (18, 37330),

Gene: Cashline_53 Start: 39714, Stop: 39956, Start Num: 12
Candidate Starts for Cashline_53:
(Start: 12 @39714 has 49 MA's), (18, 39840),

Gene: Denise_48 Start: 33091, Stop: 33306, Start Num: 12
Candidate Starts for Denise_48:
(Start: 12 @33091 has 49 MA's), (18, 33190), (20, 33223),

Gene: DumpsterDude_53 Start: 41558, Stop: 41800, Start Num: 12
Candidate Starts for DumpsterDude_53:
(Start: 12 @41558 has 49 MA's), (13, 41567), (18, 41684),

Gene: EMsquaredA_53 Start: 38371, Stop: 38613, Start Num: 12
Candidate Starts for EMsquaredA_53:
(Start: 12 @38371 has 49 MA's), (16, 38467), (18, 38497),

Gene: Easley_49 Start: 35528, Stop: 35743, Start Num: 12
Candidate Starts for Easley_49:
(Start: 12 @35528 has 49 MA's), (18, 35627),

Gene: Ebert_54 Start: 34571, Stop: 34813, Start Num: 12
Candidate Starts for Ebert_54:
(Start: 12 @34571 has 49 MA's), (18, 34697),

Gene: Eviarto_57 Start: 40695, Stop: 40937, Start Num: 12
Candidate Starts for Eviarto_57:
(Start: 12 @40695 has 49 MA's), (18, 40821),

Gene: Faith5x5_42 Start: 30278, Stop: 30463, Start Num: 12
Candidate Starts for Faith5x5_42:

(Start: 12 @30278 has 49 MA's), (18, 30377), (20, 30410),

Gene: Floral_54 Start: 40277, Stop: 40519, Start Num: 12
Candidate Starts for Floral_54:
(Start: 12 @40277 has 49 MA's), (18, 40403),

Gene: Herod_55 Start: 40739, Stop: 40981, Start Num: 12
Candidate Starts for Herod_55:
(Start: 12 @40739 has 49 MA's), (18, 40865),

Gene: Hortense_55 Start: 40090, Stop: 40332, Start Num: 12
Candidate Starts for Hortense_55:
(Start: 12 @40090 has 49 MA's), (18, 40216),

Gene: Howe_55 Start: 40090, Stop: 40332, Start Num: 12
Candidate Starts for Howe_55:
(Start: 12 @40090 has 49 MA's), (18, 40216),

Gene: Hugley_53 Start: 40719, Stop: 40961, Start Num: 12
Candidate Starts for Hugley_53:
(Start: 12 @40719 has 49 MA's), (18, 40845),

Gene: Hyzer_62 Start: 42111, Stop: 42353, Start Num: 12
Candidate Starts for Hyzer_62:
(Start: 12 @42111 has 49 MA's), (18, 42237),

Gene: InLimbo_47 Start: 32075, Stop: 32260, Start Num: 12
Candidate Starts for InLimbo_47:
(Start: 12 @32075 has 49 MA's), (17, 32168), (18, 32174), (20, 32207),

Gene: Jablanski_57 Start: 41777, Stop: 42019, Start Num: 12
Candidate Starts for Jablanski_57:
(1, 41396), (Start: 12 @41777 has 49 MA's), (18, 41903),

Gene: Lton_46 Start: 30324, Stop: 30512, Start Num: 12
Candidate Starts for Lton_46:
(9, 30261), (11, 30294), (Start: 12 @30324 has 49 MA's), (14, 30396), (18, 30423), (20, 30456),

Gene: Lucky10_47 Start: 33042, Stop: 33230, Start Num: 12
Candidate Starts for Lucky10_47:
(Start: 12 @33042 has 49 MA's), (18, 33141), (20, 33174),

Gene: Madavieve_51 Start: 38160, Stop: 38402, Start Num: 12
Candidate Starts for Madavieve_51:
(Start: 12 @38160 has 49 MA's), (18, 38286),

Gene: Madeline_54 Start: 39604, Stop: 39846, Start Num: 12
Candidate Starts for Madeline_54:
(Start: 12 @39604 has 49 MA's), (18, 39730),

Gene: Malisha_67 Start: 41399, Stop: 41608, Start Num: 12
Candidate Starts for Malisha_67:
(Start: 12 @41399 has 49 MA's), (18, 41525), (19, 41531),

Gene: Maridalia_57 Start: 38950, Stop: 39192, Start Num: 12
Candidate Starts for Maridalia_57:
(Start: 12 @38950 has 49 MA's), (18, 39076),

Gene: Marteena_52 Start: 38371, Stop: 38613, Start Num: 12
Candidate Starts for Marteena_52:
(Start: 12 @38371 has 49 MA's), (16, 38467), (18, 38497),

Gene: Mcklovin_51 Start: 41557, Stop: 41799, Start Num: 12
Candidate Starts for Mcklovin_51:
(Start: 12 @41557 has 49 MA's), (18, 41683),

Gene: Moosehead_50 Start: 31430, Stop: 31645, Start Num: 12
Candidate Starts for Moosehead_50:
(Start: 12 @31430 has 49 MA's), (18, 31529), (21, 31601),

Gene: Morkie_49 Start: 32379, Stop: 32567, Start Num: 12
Candidate Starts for Morkie_49:
(Start: 12 @32379 has 49 MA's), (15, 32454), (18, 32478), (20, 32511),

Gene: Nymphadora_57 Start: 40719, Stop: 40961, Start Num: 12
Candidate Starts for Nymphadora_57:
(Start: 12 @40719 has 49 MA's), (18, 40845),

Gene: Ohgeesy_54 Start: 38818, Stop: 39060, Start Num: 12
Candidate Starts for Ohgeesy_54:
(Start: 12 @38818 has 49 MA's), (18, 38944),

Gene: OneDirection_43 Start: 29772, Stop: 29960, Start Num: 12
Candidate Starts for OneDirection_43:
(Start: 12 @29772 has 49 MA's), (14, 29844), (18, 29871), (20, 29904),

Gene: Oregano_54 Start: 36212, Stop: 36427, Start Num: 12
Candidate Starts for Oregano_54:
(Start: 12 @36212 has 49 MA's), (18, 36311),

Gene: PantheRoc_57 Start: 39540, Stop: 39782, Start Num: 12
Candidate Starts for PantheRoc_57:
(Start: 12 @39540 has 49 MA's), (18, 39666),

Gene: Pepperoni_44 Start: 31534, Stop: 31722, Start Num: 12
Candidate Starts for Pepperoni_44:
(Start: 12 @31534 has 49 MA's), (13, 31543), (15, 31609), (18, 31633), (20, 31666),

Gene: PhorbesPhlower_47 Start: 31528, Stop: 31713, Start Num: 12
Candidate Starts for PhorbesPhlower_47:
(Start: 12 @31528 has 49 MA's), (17, 31621), (18, 31627), (20, 31660),

Gene: PhriskyACE_50 Start: 36177, Stop: 36419, Start Num: 12
Candidate Starts for PhriskyACE_50:
(2, 35853), (Start: 12 @36177 has 49 MA's), (18, 36303),

Gene: Pollux_56 Start: 40277, Stop: 40519, Start Num: 12
Candidate Starts for Pollux_56:
(Start: 12 @40277 has 49 MA's), (18, 40403),

Gene: Powerball_51 Start: 36303, Stop: 36545, Start Num: 12
Candidate Starts for Powerball_51:
(2, 35979), (Start: 12 @36303 has 49 MA's), (18, 36429),

Gene: Pytheas_57 Start: 41776, Stop: 42018, Start Num: 12
Candidate Starts for Pytheas_57:
(1, 41395), (Start: 12 @41776 has 49 MA's), (18, 41902),

Gene: Ruthy_52 Start: 39090, Stop: 39332, Start Num: 12
Candidate Starts for Ruthy_52:
(Start: 12 @39090 has 49 MA's), (13, 39099), (18, 39216),

Gene: Shlim410_53 Start: 40090, Stop: 40332, Start Num: 12
Candidate Starts for Shlim410_53:
(Start: 12 @40090 has 49 MA's), (18, 40216),

Gene: Sidious_53 Start: 38484, Stop: 38726, Start Num: 12
Candidate Starts for Sidious_53:
(Start: 12 @38484 has 49 MA's), (18, 38610),

Gene: Sprinklemunch_60 Start: 41643, Stop: 41885, Start Num: 12
Candidate Starts for Sprinklemunch_60:
(Start: 12 @41643 has 49 MA's), (18, 41769),

Gene: SushiChef_53 Start: 39718, Stop: 39960, Start Num: 12
Candidate Starts for SushiChef_53:
(Start: 12 @39718 has 49 MA's), (18, 39844),

Gene: ThankyouJordi_56 Start: 40759, Stop: 41001, Start Num: 12
Candidate Starts for ThankyouJordi_56:
(6, 40612), (7, 40627), (8, 40636), (10, 40702), (Start: 12 @40759 has 49 MA's), (18, 40885),

Gene: Thimann_54 Start: 37092, Stop: 37307, Start Num: 12
Candidate Starts for Thimann_54:
(Start: 12 @37092 has 49 MA's), (18, 37191),

Gene: TimTam_57 Start: 40719, Stop: 40961, Start Num: 12
Candidate Starts for TimTam_57:
(Start: 12 @40719 has 49 MA's), (18, 40845),

Gene: Twinkle_54 Start: 41149, Stop: 41391, Start Num: 12
Candidate Starts for Twinkle_54:
(Start: 12 @41149 has 49 MA's), (18, 41275),

Gene: WelcomeAyanna_56 Start: 40906, Stop: 41148, Start Num: 12
Candidate Starts for WelcomeAyanna_56:
(6, 40759), (7, 40774), (8, 40783), (10, 40849), (Start: 12 @40906 has 49 MA's), (18, 41032),

Gene: Yeezy_53 Start: 37368, Stop: 37610, Start Num: 12

Candidate Starts for Yeezy_53:
(Start: 12 @37368 has 49 MA's), (18, 37494),