Pham 283840

1: Bunnybear_77

2: Madavieve_78

3: Nymphadora_83 + 13

4: WelcomeAyanna_82 + 4

5: Manasvini_80 + 9

6: Maridalia_82

7: Hyzer_98

8: Yeezy_85

9: Dorito_74

10: Samman98_78

11: DobbysSock_72 + 5

12: Beenie_71 + 5

13: Thimann_79 + 5
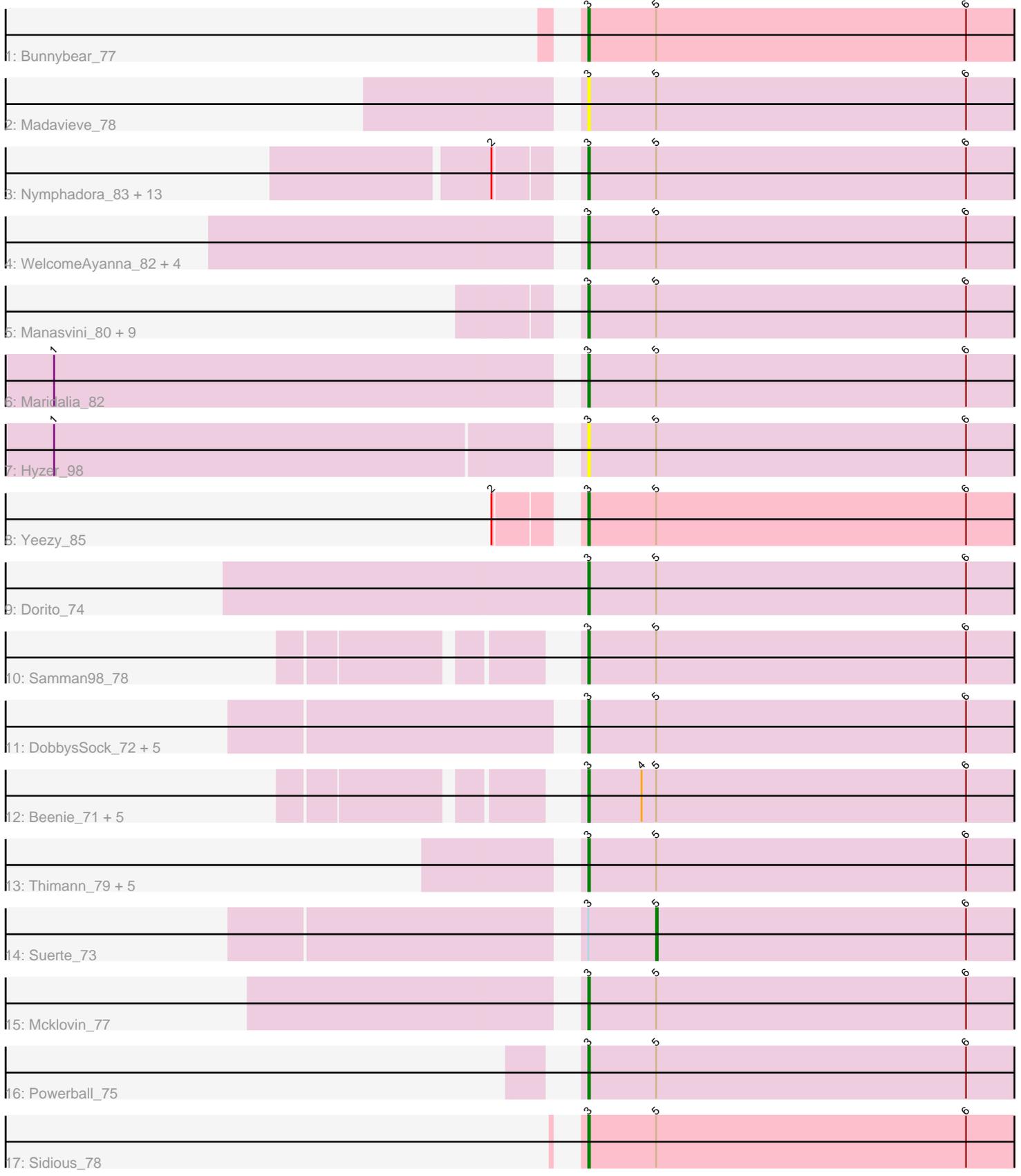
14: Suerte_73

15: Mcklovin_77

16: Powerball_75

17: Sidious_78

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 283840 Report

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

Pham number 283840 has 58 members, 5 are drafts.

Phages represented in each track:
• Track 1 : Bunnybear_77
• Track 2 : Madavieve_78
• Track 3 : Nymphadora_83, AlumE_81, Zirinka_78, Agueybana_84, BaxterFox_84, TimTam_83, Hugley_81, BoyNamedSue_81, Bialota_78, Eviarto_83, BatStarr_82, Bosnia_81, Ohgeesy_83, Herod_83
• Track 4 : WelcomeAyanna_82, PhriskyACE_73, PantheRoc_85, ThankyouJordi_82, Madeline_75
• Track 5 : Manasvini_80, Antonio_77, Zameen_78, Kita_79, Suscepit_78, Polly_75, Eudoria_78, Trumpet_78, Neobush_80, Tayonia_78
• Track 6 : Maridalia_82
• Track 7 : Hyzer_98
• Track 8 : Yeezy_85
• Track 9 : Dorito_74
• Track 10 : Samman98_78
• Track 11 : DobbysSock_72, WinkNick_79, Oregano_78, Annalisa_76, Dolores_79, Sekhmet_78
• Track 12 : Beenie_71, Clark_76, MichaelScott_78, Tuti_77, Easley_75, Invectra_80
• Track 13 : Thimann_79, Adora_75, Hortense_78, Twinkle_77, Howe_78, Shlim410_76
• Track 14 : Suerte_73
• Track 15 : Mcklovin_77
• Track 16 : Powerball_75
• Track 17 : Sidious_78

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

The start number called the most often in the published annotations is 3, it was called in 52 of the 53 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Adora_75, Agueybana_84, AlumE_81, Annalisa_76, Antonio_77, BatStarr_82, BaxterFox_84, Beenie_71, Bialota_78, Bosnia_81, BoyNamedSue_81, Bunnybear_77, Clark_76, DobbysSock_72, Dolores_79, Dorito_74, Easley_75, Eudoria_78, Eviarto_83, Herod_83, Hortense_78, Howe_78, Hugley_81, Hyzer_98,

Invectra_80, Kita_79, Madavieve_78, Madeline_75, Manasvini_80, Maridalia_82, Mcklovin_77, MichaelScott_78, Neobush_80, Nymphadora_83, Ohgeesy_83, Oregano_78, PantheRoc_85, PhriskyACE_73, Polly_75, Powerball_75, Samman98_78, Sekhmet_78, Shlim410_76, Sidious_78, Suscepit_78, Tayonia_78, ThankyouJordi_82, Thimann_79, TimTam_83, Trumpet_78, Tuti_77, Twinkle_77, WelcomeAyanna_82, WinkNick_79, Yeezy_85, Zameen_78, Zirinka_78,

Genes that have the "Most Annotated" start but do not call it:
• Suerte_73,

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

Summary by start number:

Start 3:
• Found in 58 of 58 (100.0%) of genes in pham
• Manual Annotations of this start: 52 of 53
• Called 98.3% of time when present
• Phage (with cluster) where this start called: Adora_75 (CZ4), Agueybana_84 (CZ1), AlumE_81 (CZ1), Annalisa_76 (CZ4), Antonio_77 (CZ1), BatStarr_82 (CZ1), BaxterFox_84 (CZ3), Beenie_71 (CZ4), Bialota_78 (CZ1), Bosnia_81 (CZ1), BoyNamedSue_81 (CZ1), Bunnybear_77 (CZ), Clark_76 (CZ4), DobbysSock_72 (CZ4), Dolores_79 (CZ4), Dorito_74 (CZ4), Easley_75 (CZ4), Eudoria_78 (CZ1), Eviarto_83 (CZ1), Herod_83 (CZ1), Hortense_78 (CZ4), Howe_78 (CZ4), Hugley_81 (CZ1), Hyzer_98 (CZ1), Invectra_80 (CZ4), Kita_79 (CZ1), Madavieve_78 (CZ1), Madeline_75 (CZ1), Manasvini_80 (CZ1), Maridalia_82 (CZ1), Mcklovin_77 (CZ4), MichaelScott_78 (CZ4), Neobush_80 (CZ1), Nymphadora_83 (CZ1), Ohgeesy_83 (CZ), Oregano_78 (CZ4), PantheRoc_85 (CZ3), PhriskyACE_73 (CZ4), Polly_75 (CZ1), Powerball_75 (CZ4), Samman98_78 (CZ4), Sekhmet_78 (CZ4), Shlim410_76 (CZ4), Sidious_78 (CZ7), Suscepit_78 (CZ1), Tayonia_78 (CZ1), ThankyouJordi_82 (CZ1), Thimann_79 (CZ4), TimTam_83 (CZ1), Trumpet_78 (CZ1), Tuti_77 (CZ4), Twinkle_77 (CZ4), WelcomeAyanna_82 (CZ1), WinkNick_79 (CZ4), Yeezy_85 (CZ3), Zameen_78 (CZ1), Zirinka_78 (CZ1),

Start 5:
• Found in 58 of 58 (100.0%) of genes in pham
• Manual Annotations of this start: 1 of 53
• Called 1.7% of time when present
• Phage (with cluster) where this start called: Suerte_73 (CZ4),

Summary by clusters:

There are 5 clusters represented in this pham: CZ3, CZ1, CZ7, CZ4, CZ,

Info for manual annotations of cluster CZ:
•Start number 3 was manually annotated 2 times for cluster CZ.

Info for manual annotations of cluster CZ1:
•Start number 3 was manually annotated 25 times for cluster CZ1.

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

Info for manual annotations of cluster CZ4:
•Start number 3 was manually annotated 21 times for cluster CZ4.
•Start number 5 was manually annotated 1 time for cluster CZ4.

Info for manual annotations of cluster CZ7:
•Start number 3 was manually annotated 1 time for cluster CZ7.

Gene Information:

Gene: Adora_75 Start: 50646, Stop: 50954, Start Num: 3
Candidate Starts for Adora_75:
(Start: 3 @50646 has 52 MA's), (Start: 5 @50688 has 1 MA's), (6, 50880),

Gene: Agueybana_84 Start: 52113, Stop: 52421, Start Num: 3
Candidate Starts for Agueybana_84:
(2, 52077), (Start: 3 @52113 has 52 MA's), (Start: 5 @52155 has 1 MA's), (6, 52347),

Gene: AlumE_81 Start: 52004, Stop: 52312, Start Num: 3
Candidate Starts for AlumE_81:
(2, 51968), (Start: 3 @52004 has 52 MA's), (Start: 5 @52046 has 1 MA's), (6, 52238),

Gene: Annalisa_76 Start: 46540, Stop: 46848, Start Num: 3
Candidate Starts for Annalisa_76:
(Start: 3 @46540 has 52 MA's), (Start: 5 @46582 has 1 MA's), (6, 46774),

Gene: Antonio_77 Start: 49642, Stop: 49950, Start Num: 3
Candidate Starts for Antonio_77:
(Start: 3 @49642 has 52 MA's), (Start: 5 @49684 has 1 MA's), (6, 49876),

Gene: BatStarr_82 Start: 52738, Stop: 53046, Start Num: 3
Candidate Starts for BatStarr_82:
(2, 52702), (Start: 3 @52738 has 52 MA's), (Start: 5 @52780 has 1 MA's), (6, 52972),

Gene: BaxterFox_84 Start: 52934, Stop: 53242, Start Num: 3
Candidate Starts for BaxterFox_84:
(2, 52898), (Start: 3 @52934 has 52 MA's), (Start: 5 @52976 has 1 MA's), (6, 53168),

Gene: Beenie_71 Start: 46939, Stop: 47247, Start Num: 3
Candidate Starts for Beenie_71:
(Start: 3 @46939 has 52 MA's), (4, 46972), (Start: 5 @46981 has 1 MA's), (6, 47173),

Gene: Bialota_78 Start: 51398, Stop: 51706, Start Num: 3
Candidate Starts for Bialota_78:
(2, 51362), (Start: 3 @51398 has 52 MA's), (Start: 5 @51440 has 1 MA's), (6, 51632),

Gene: Bosnia_81 Start: 53852, Stop: 54160, Start Num: 3
Candidate Starts for Bosnia_81:
(2, 53816), (Start: 3 @53852 has 52 MA's), (Start: 5 @53894 has 1 MA's), (6, 54086),

Gene: BoyNamedSue_81 Start: 52004, Stop: 52312, Start Num: 3

Candidate Starts for BoyNamedSue_81:
(2, 51968), (Start: 3 @52004 has 52 MA's), (Start: 5 @52046 has 1 MA's), (6, 52238),

Gene: Bunnybear_77 Start: 50574, Stop: 50882, Start Num: 3
Candidate Starts for Bunnybear_77:
(Start: 3 @50574 has 52 MA's), (Start: 5 @50616 has 1 MA's), (6, 50808),

Gene: Clark_76 Start: 46702, Stop: 47010, Start Num: 3
Candidate Starts for Clark_76:
(Start: 3 @46702 has 52 MA's), (4, 46735), (Start: 5 @46744 has 1 MA's), (6, 46936),

Gene: DobbysSock_72 Start: 47455, Stop: 47763, Start Num: 3
Candidate Starts for DobbysSock_72:
(Start: 3 @47455 has 52 MA's), (Start: 5 @47497 has 1 MA's), (6, 47689),

Gene: Dolores_79 Start: 46593, Stop: 46901, Start Num: 3
Candidate Starts for Dolores_79:
(Start: 3 @46593 has 52 MA's), (Start: 5 @46635 has 1 MA's), (6, 46827),

Gene: Dorito_74 Start: 46041, Stop: 46349, Start Num: 3
Candidate Starts for Dorito_74:
(Start: 3 @46041 has 52 MA's), (Start: 5 @46083 has 1 MA's), (6, 46275),

Gene: Easley_75 Start: 45703, Stop: 46011, Start Num: 3
Candidate Starts for Easley_75:
(Start: 3 @45703 has 52 MA's), (4, 45736), (Start: 5 @45745 has 1 MA's), (6, 45937),

Gene: Eudoria_78 Start: 49642, Stop: 49950, Start Num: 3
Candidate Starts for Eudoria_78:
(Start: 3 @49642 has 52 MA's), (Start: 5 @49684 has 1 MA's), (6, 49876),

Gene: Eviarto_83 Start: 52713, Stop: 53021, Start Num: 3
Candidate Starts for Eviarto_83:
(2, 52677), (Start: 3 @52713 has 52 MA's), (Start: 5 @52755 has 1 MA's), (6, 52947),

Gene: Herod_83 Start: 53132, Stop: 53440, Start Num: 3
Candidate Starts for Herod_83:
(2, 53096), (Start: 3 @53132 has 52 MA's), (Start: 5 @53174 has 1 MA's), (6, 53366),

Gene: Hortense_78 Start: 52001, Stop: 52309, Start Num: 3
Candidate Starts for Hortense_78:
(Start: 3 @52001 has 52 MA's), (Start: 5 @52043 has 1 MA's), (6, 52235),

Gene: Howe_78 Start: 52001, Stop: 52309, Start Num: 3
Candidate Starts for Howe_78:
(Start: 3 @52001 has 52 MA's), (Start: 5 @52043 has 1 MA's), (6, 52235),

Gene: Hugley_81 Start: 53112, Stop: 53420, Start Num: 3
Candidate Starts for Hugley_81:
(2, 53076), (Start: 3 @53112 has 52 MA's), (Start: 5 @53154 has 1 MA's), (6, 53346),

Gene: Hyzer_98 Start: 59654, Stop: 59962, Start Num: 3
Candidate Starts for Hyzer_98:

(1, 59345), (Start: 3 @59654 has 52 MA's), (Start: 5 @59696 has 1 MA's), (6, 59888),

Gene: Invectra_80 Start: 48275, Stop: 48583, Start Num: 3
Candidate Starts for Invectra_80:
(Start: 3 @48275 has 52 MA's), (4, 48308), (Start: 5 @48317 has 1 MA's), (6, 48509),

Gene: Kita_79 Start: 49651, Stop: 49959, Start Num: 3
Candidate Starts for Kita_79:
(Start: 3 @49651 has 52 MA's), (Start: 5 @49693 has 1 MA's), (6, 49885),

Gene: Madavieve_78 Start: 51054, Stop: 51362, Start Num: 3
Candidate Starts for Madavieve_78:
(Start: 3 @51054 has 52 MA's), (Start: 5 @51096 has 1 MA's), (6, 51288),

Gene: Madeline_75 Start: 50976, Stop: 51284, Start Num: 3
Candidate Starts for Madeline_75:
(Start: 3 @50976 has 52 MA's), (Start: 5 @51018 has 1 MA's), (6, 51210),

Gene: Manasvini_80 Start: 49666, Stop: 49974, Start Num: 3
Candidate Starts for Manasvini_80:
(Start: 3 @49666 has 52 MA's), (Start: 5 @49708 has 1 MA's), (6, 49900),

Gene: Maridalia_82 Start: 50934, Stop: 51242, Start Num: 3
Candidate Starts for Maridalia_82:
(1, 50622), (Start: 3 @50934 has 52 MA's), (Start: 5 @50976 has 1 MA's), (6, 51168),

Gene: Mcklovin_77 Start: 52464, Stop: 52772, Start Num: 3
Candidate Starts for Mcklovin_77:
(Start: 3 @52464 has 52 MA's), (Start: 5 @52506 has 1 MA's), (6, 52698),

Gene: MichaelScott_78 Start: 47383, Stop: 47691, Start Num: 3
Candidate Starts for MichaelScott_78:
(Start: 3 @47383 has 52 MA's), (4, 47416), (Start: 5 @47425 has 1 MA's), (6, 47617),

Gene: Neobush_80 Start: 50210, Stop: 50518, Start Num: 3
Candidate Starts for Neobush_80:
(Start: 3 @50210 has 52 MA's), (Start: 5 @50252 has 1 MA's), (6, 50444),

Gene: Nymphadora_83 Start: 52737, Stop: 53045, Start Num: 3
Candidate Starts for Nymphadora_83:
(2, 52701), (Start: 3 @52737 has 52 MA's), (Start: 5 @52779 has 1 MA's), (6, 52971),

Gene: Ohgeesy_83 Start: 52276, Stop: 52584, Start Num: 3
Candidate Starts for Ohgeesy_83:
(2, 52240), (Start: 3 @52276 has 52 MA's), (Start: 5 @52318 has 1 MA's), (6, 52510),

Gene: Oregano_78 Start: 46832, Stop: 47140, Start Num: 3
Candidate Starts for Oregano_78:
(Start: 3 @46832 has 52 MA's), (Start: 5 @46874 has 1 MA's), (6, 47066),

Gene: PantheRoc_85 Start: 52347, Stop: 52655, Start Num: 3
Candidate Starts for PantheRoc_85:
(Start: 3 @52347 has 52 MA's), (Start: 5 @52389 has 1 MA's), (6, 52581),

Gene: PhriskyACE_73 Start: 46489, Stop: 46797, Start Num: 3
Candidate Starts for PhriskyACE_73:
(Start: 3 @46489 has 52 MA's), (Start: 5 @46531 has 1 MA's), (6, 46723),

Gene: Polly_75 Start: 49085, Stop: 49393, Start Num: 3
Candidate Starts for Polly_75:
(Start: 3 @49085 has 52 MA's), (Start: 5 @49127 has 1 MA's), (6, 49319),

Gene: Powerball_75 Start: 46940, Stop: 47248, Start Num: 3
Candidate Starts for Powerball_75:
(Start: 3 @46940 has 52 MA's), (Start: 5 @46982 has 1 MA's), (6, 47174),

Gene: Samman98_78 Start: 46805, Stop: 47113, Start Num: 3
Candidate Starts for Samman98_78:
(Start: 3 @46805 has 52 MA's), (Start: 5 @46847 has 1 MA's), (6, 47039),

Gene: Sekhmet_78 Start: 46992, Stop: 47300, Start Num: 3
Candidate Starts for Sekhmet_78:
(Start: 3 @46992 has 52 MA's), (Start: 5 @47034 has 1 MA's), (6, 47226),

Gene: Shlim410_76 Start: 52001, Stop: 52309, Start Num: 3
Candidate Starts for Shlim410_76:
(Start: 3 @52001 has 52 MA's), (Start: 5 @52043 has 1 MA's), (6, 52235),

Gene: Sidious_78 Start: 50989, Stop: 51297, Start Num: 3
Candidate Starts for Sidious_78:
(Start: 3 @50989 has 52 MA's), (Start: 5 @51031 has 1 MA's), (6, 51223),

Gene: Suerte_73 Start: 46605, Stop: 46871, Start Num: 5
Candidate Starts for Suerte_73:
(Start: 3 @46563 has 52 MA's), (Start: 5 @46605 has 1 MA's), (6, 46797),

Gene: Suscepit_78 Start: 49643, Stop: 49951, Start Num: 3
Candidate Starts for Suscepit_78:
(Start: 3 @49643 has 52 MA's), (Start: 5 @49685 has 1 MA's), (6, 49877),

Gene: Tayonia_78 Start: 49642, Stop: 49950, Start Num: 3
Candidate Starts for Tayonia_78:
(Start: 3 @49642 has 52 MA's), (Start: 5 @49684 has 1 MA's), (6, 49876),

Gene: ThankyouJordi_82 Start: 52759, Stop: 53067, Start Num: 3
Candidate Starts for ThankyouJordi_82:
(Start: 3 @52759 has 52 MA's), (Start: 5 @52801 has 1 MA's), (6, 52993),

Gene: Thimann_79 Start: 47303, Stop: 47611, Start Num: 3
Candidate Starts for Thimann_79:
(Start: 3 @47303 has 52 MA's), (Start: 5 @47345 has 1 MA's), (6, 47537),

Gene: TimTam_83 Start: 52737, Stop: 53045, Start Num: 3
Candidate Starts for TimTam_83:
(2, 52701), (Start: 3 @52737 has 52 MA's), (Start: 5 @52779 has 1 MA's), (6, 52971),

Gene: Trumpet_78 Start: 49643, Stop: 49951, Start Num: 3
Candidate Starts for Trumpet_78:
(Start: 3 @49643 has 52 MA's), (Start: 5 @49685 has 1 MA's), (6, 49877),

Gene: Tuti_77 Start: 47241, Stop: 47549, Start Num: 3
Candidate Starts for Tuti_77:
(Start: 3 @47241 has 52 MA's), (4, 47274), (Start: 5 @47283 has 1 MA's), (6, 47475),

Gene: Twinkle_77 Start: 53060, Stop: 53368, Start Num: 3
Candidate Starts for Twinkle_77:
(Start: 3 @53060 has 52 MA's), (Start: 5 @53102 has 1 MA's), (6, 53294),

Gene: WelcomeAyanna_82 Start: 52906, Stop: 53214, Start Num: 3
Candidate Starts for WelcomeAyanna_82:
(Start: 3 @52906 has 52 MA's), (Start: 5 @52948 has 1 MA's), (6, 53140),

Gene: WinkNick_79 Start: 46516, Stop: 46824, Start Num: 3
Candidate Starts for WinkNick_79:
(Start: 3 @46516 has 52 MA's), (Start: 5 @46558 has 1 MA's), (6, 46750),

Gene: Yeezy_85 Start: 50799, Stop: 51107, Start Num: 3
Candidate Starts for Yeezy_85:
(2, 50763), (Start: 3 @50799 has 52 MA's), (Start: 5 @50841 has 1 MA's), (6, 51033),

Gene: Zameen_78 Start: 49642, Stop: 49950, Start Num: 3
Candidate Starts for Zameen_78:
(Start: 3 @49642 has 52 MA's), (Start: 5 @49684 has 1 MA's), (6, 49876),

Gene: Zirinka_78 Start: 51386, Stop: 51694, Start Num: 3
Candidate Starts for Zirinka_78:
(2, 51350), (Start: 3 @51386 has 52 MA's), (Start: 5 @51428 has 1 MA's), (6, 51620),