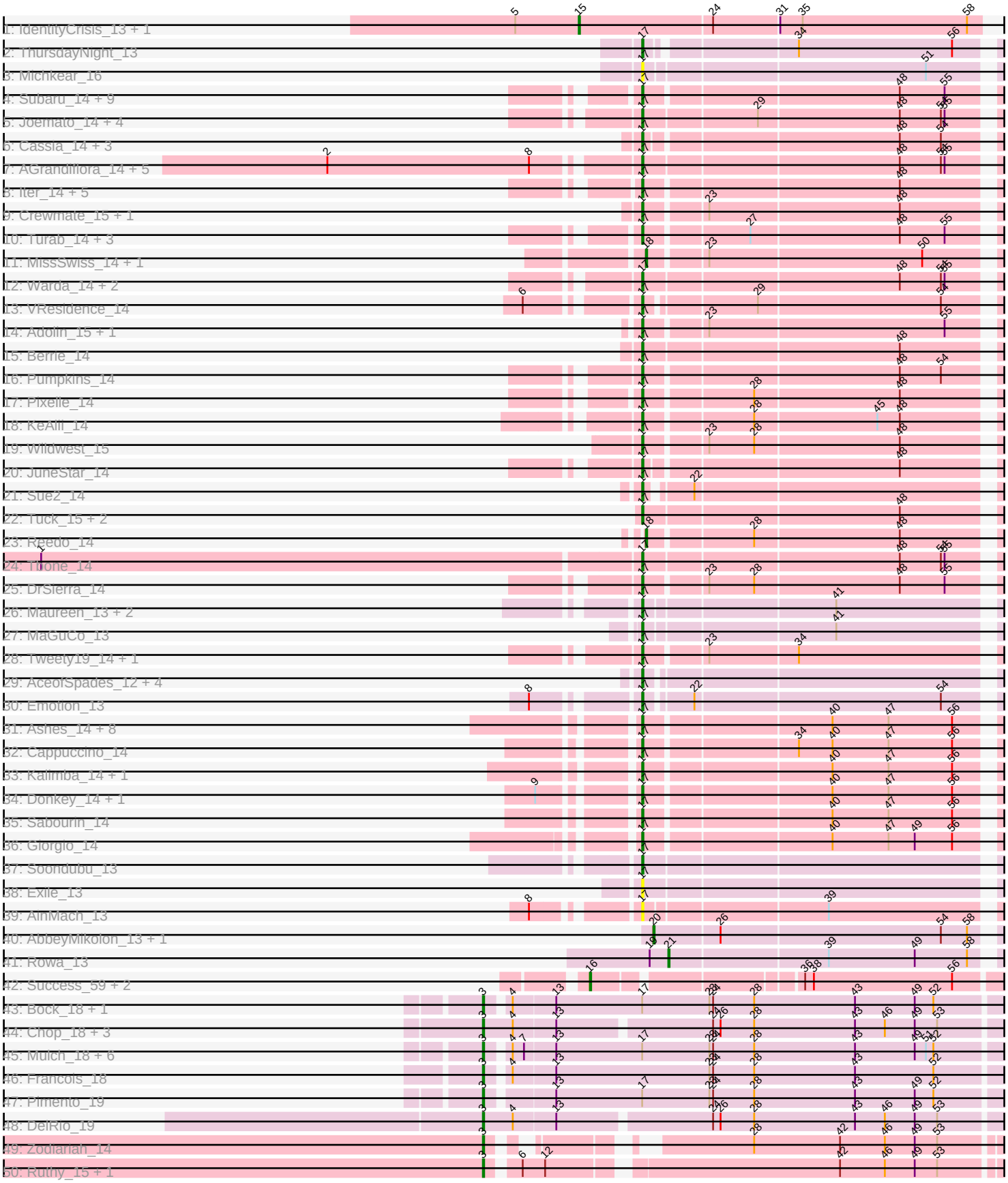
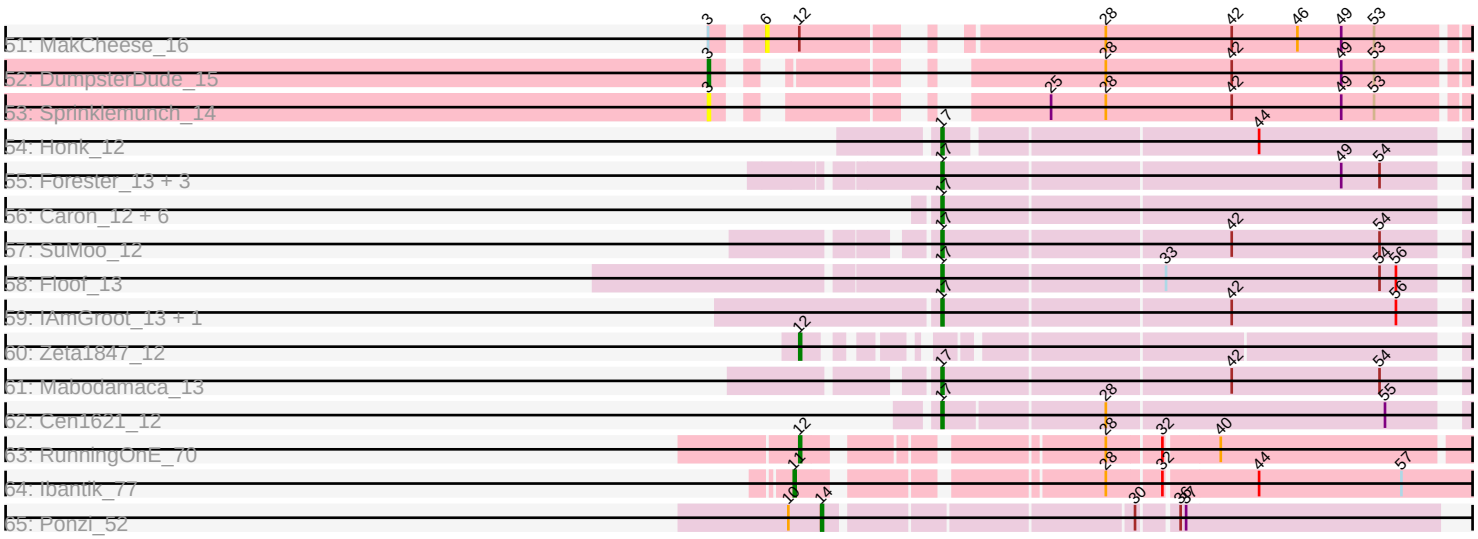
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1: IdentityCrisis_13 + 1
2: ThursdayNight_13
3: Michkear_16
4: Subaru_14 + 9
5: Joemato_14 + 4
6: Cassia_14 + 3
7: AGrandiflora_14 + 5
8: Iter_14 + 5
9: Crewmate_15 + 1
10: Turab_14 + 3
11: MissSwiss_14 + 1
12: Warda_14 + 2
13: VResidence_14
14: Adolin_15 + 1
15: Bernie_14
16: Pumpkins_14
17: Pixelle_14
18: KeAlli_14
19: Wildwest_15
20: JuneStar_14
21: Sue2_14
22: Tuck_15 + 2
23: Reedo_14
24: Thone_14
25: DrSierra_14
26: Maureen_13 + 2
27: MaGuCo_13
28: Tweety19_14 + 1
29: AceofSpades_12 + 4
30: Emotion_13
31: Ashes_14 + 8
32: Cappuccino_14
33: Kalimba_14 + 1
34: Donkey_14 + 1
35: Sabourin_14
36: Giorgio_14
37: Soondubu_13
38: Exile_13
39: AlinMach_13
40: AbbeyMikolon_13 + 1
41: Rowa_13
42: Success_59 + 2
43: Bock_18 + 1
44: Chop_18 + 3
45: Mulch_18 + 6
46: Francois_18
47: Pimento_19
48: DelRio_19
49: Zodiarian_14
50: Ruthy_15 + 1

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51: MakCheese_16
52: DumpsterDude_15
53: Sprinklemunch_14
54: Honk_12
55: Forester_13 + 3
56: Caron_12 + 6
57: SuMoo_12
58: Floof_13
59: IAmGroot_13 + 1
60: Zeta1847_12
61: Mabodamaca_13
62: Cen1621_12
63: RunningOnE_70
64: Ibantik_77
65: Ponzi_52

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 347360 Report

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

Pham number 347360 has 143 members, 18 are drafts.

Phages represented in each track:
- Track 1 : IdentityCrisis_13, WST1_13
- Track 2 : ThursdayNight_13
- Track 3 : Michkear_16
- Track 4 : Subaru_14, Elezi_14, Nitro_14, Jstan_14, Eraser_14, London_14, Tallboi_14, Niobe_14, Skelbel_14, Asa16_14
- Track 5 : Joemato_14, JohnDoe_14, Kaylissa_14, Simpson_15, Cyan_14
- Track 6 : Cassia_14, TforTroy_14, Yang_14, Schaffner_14
- Track 7 : AGrandiflora_14, Lego_14, Flutur_14, YesChef_14, Tutumahutu_14, Powerpuff_14
- Track 8 : Iter_14, IttyBittyPiggy_14, Tian_14, Ascela_14, Amyev_14, Phives_15
- Track 9 : Crewmate_15, ObiToo_14
- Track 10 : Turab_14, Adumb2043_14, Amploria_14, AEgle_14
- Track 11 : MissSwiss_14, PandaPo_14
- Track 12 : Warda_14, Lizalica_14, Mudpuppy_14
- Track 13 : VResidence_14
- Track 14 : Adolin_15, DrManhattan_14
- Track 15 : Berrie_14
- Track 16 : Pumpkins_14
- Track 17 : Pixelle_14
- Track 18 : KeAlii_14
- Track 19 : Wildwest_15
- Track 20 : JuneStar_14
- Track 21 : Sue2_14
- Track 22 : Tuck_15, Community_15, Janeemi_15
- Track 23 : Reedo_14
- Track 24 : Tbone_14
- Track 25 : DrSierra_14
- Track 26 : Maureen_13, IUFootball_13, Liebe_13
- Track 27 : MaGuCo_13
- Track 28 : Tweety19_14, Snek_14
- Track 29 : AceofSpades_12, MiniMommy_12, JasmineDragon_13, VroomVroom_13, ShakeItOph_13
- Track 30 : Emotion_13
- Track 31 : Ashes_14, RockScotty_14, Mysterium_14, SpecialK_14, Halsey_14, Beaupre_14, Stuu_14, Gumpizza_14, Moss_14
- Track 32 : Cappuccino_14
- Track 33 : Kalimba_14, Sooty_14

• Track 34 : Donkey_14, Gambol_14
• Track 35 : Sabourin_14
• Track 36 : Giorgio_14
• Track 37 : Soondubu_13
• Track 38 : Exile_13
• Track 39 : AinMach_13
• Track 40 : AbbeyMikolon_13, Nesbitt_13
• Track 41 : Rowa_13
• Track 42 : Success_59, Spooks_58, Bimmel_57
• Track 43 : Bock_18, BetterKatz_18
• Track 44 : Chop_18, GrandSlam_18, Ayotoya_18, Hamood_18
• Track 45 : Mulch_18, SussRoloMann_18, WheatThin_19, Nadeem_18, Parada_18, Brylie_18, NancyRae_18
• Track 46 : Francois_18
• Track 47 : Pimento_19
• Track 48 : DelRio_19
• Track 49 : Zodiariah_14
• Track 50 : Ruthy_15, ArchiDore_15
• Track 51 : MakCheese_16
• Track 52 : DumpsterDude_15
• Track 53 : Sprinklemunch_14
• Track 54 : Honk_12
• Track 55 : Forester_13, Percival_13, SuperHands_13, Gretchen_13
• Track 56 : Caron_12, FiveHead_13, Barnstormer_12, Origami_13, LadyAstra_13, UtzChips_12, JohnThicc_13
• Track 57 : SuMoo_12
• Track 58 : Floof_13
• Track 59 : IAmGroot_13, GardenState_13
• Track 60 : Zeta1847_12
• Track 61 : Mabodamaca_13
• Track 62 : Cen1621_12
• Track 63 : RunningOnE_70
• Track 64 : Ibantik_77
• Track 65 : Ponzi_52

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

The start number called the most often in the published annotations is 17, it was called in 93 of the 125 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AEgle_14, AGrandiflora_14, AceofSpades_12, Adolin_15, Adumb2043_14, AinMach_13, Amploria_14, Amyev_14, Asa16_14, Ascela_14, Ashes_14, Barnstormer_12, Beaupre_14, Berrie_14, Cappuccino_14, Caron_12, Cassia_14, Cen1621_12, Community_15, Crewmate_15, Cyan_14, Donkey_14, DrManhattan_14, DrSierra_14, Elezi_14, Emotion_13, Eraser_14, Exile_13, FiveHead_13, Floof_13, Flutur_14, Forester_13, Gambol_14, GardenState_13, Giorgio_14, Gretchen_13, Gumpizza_14, Halsey_14, Honk_12, IAmGroot_13, IUFootball_13, Iter_14, IttyBittyPiggy_14, Janeemi_15, JasmineDragon_13, Joemato_14, JohnDoe_14, JohnThicc_13, Jstan_14, JuneStar_14, Kalimba_14,

Kaylissa_14, KeAlii_14, LadyAstra_13, Lego_14, Liebe_13, Lizalica_14, London_14, MaGuCo_13, Mabodamaca_13, Maureen_13, Michkear_16, MiniMommy_12, Moss_14, Mudpuppy_14, Mysterium_14, Niobe_14, Nitro_14, ObiToo_14, Origami_13, Percival_13, Phives_15, Pixelle_14, Powerpuff_14, Pumpkins_14, RockScotty_14, Sabourin_14, Schaffner_14, ShakeItOph_13, Simpson_15, Skelbel_14, Snek_14, Soondubu_13, Sooty_14, SpecialK_14, Stuu_14, SuMoo_12, Subaru_14, Sue2_14, SuperHands_13, Tallboi_14, Tbone_14, TforTroy_14, ThursdayNight_13, Tian_14, Tuck_15, Turab_14, Tutumahutu_14, Tweety19_14, UtzChips_12, VResidence_14, VroomVroom_13, Warda_14, Wildwest_15, Yang_14, YesChef_14,

Genes that have the "Most Annotated" start but do not call it:
• BetterKatz_18, Bock_18, Brylie_18, Mulch_18, Nadeem_18, NancyRae_18, Parada_18, Pimento_19, SussRoloMann_18, WheatThin_19,

Genes that do not have the "Most Annotated" start:
• AbbeyMikolon_13, ArchiDore_15, Ayotoya_18, Bimmel_57, Chop_18, DelRio_19, DumpsterDude_15, Francois_18, GrandSlam_18, Hamood_18, Ibantik_77, IdentityCrisis_13, MakCheese_16, MissSwiss_14, Nesbitt_13, PandaPo_14, Ponzi_52, Reedo_14, Rowa_13, RunningOnE_70, Ruthy_15, Spooks_58, Sprinklemunch_14, Success_59, WST1_13, Zeta1847_12, Zodiariah_14,

Summary by start number:

Start 3:
• Found in 22 of 143 (15.4%) of genes in pham
• Manual Annotations of this start: 19 of 125
• Called 95.5% of time when present
• Phage (with cluster) where this start called: ArchiDore_15 (DW), Ayotoya_18 (DI), BetterKatz_18 (DI), Bock_18 (DI), Brylie_18 (DI), Chop_18 (DI), DelRio_19 (DI), DumpsterDude_15 (DW), Francois_18 (DI), GrandSlam_18 (DI), Hamood_18 (DI), Mulch_18 (DI), Nadeem_18 (DI), NancyRae_18 (DI), Parada_18 (DI), Pimento_19 (DI), Ruthy_15 (DW), Sprinklemunch_14 (DW), SussRoloMann_18 (DI), WheatThin_19 (DI), Zodiariah_14 (DW),

Start 6:
• Found in 4 of 143 (2.8%) of genes in pham
• No Manual Annotations of this start.
• Called 25.0% of time when present
• Phage (with cluster) where this start called: MakCheese_16 (DW),

Start 11:
• Found in 1 of 143 (0.7%) of genes in pham
• Manual Annotations of this start: 1 of 125
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Ibantik_77 (JN),

Start 12:
• Found in 5 of 143 (3.5%) of genes in pham
• Manual Annotations of this start: 2 of 125
• Called 40.0% of time when present
• Phage (with cluster) where this start called: RunningOnE_70 (JN), Zeta1847_12 (EH),

Start 14:
• Found in 1 of 143 (0.7%) of genes in pham
• Manual Annotations of this start: 1 of 125
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Ponzi_52 (singleton),

Start 15:
• Found in 2 of 143 (1.4%) of genes in pham
• Manual Annotations of this start: 1 of 125
• Called 100.0% of time when present
• Phage (with cluster) where this start called: IdentityCrisis_13 (AJ), WST1_13 (AJ),

Start 16:
• Found in 3 of 143 (2.1%) of genes in pham
• Manual Annotations of this start: 3 of 125
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Bimmel_57 (BT), Spooks_58 (BT), Success_59 (BT),

Start 17:
• Found in 116 of 143 (81.1%) of genes in pham
• Manual Annotations of this start: 93 of 125
• Called 91.4% of time when present
• Phage (with cluster) where this start called: AEgle_14 (AZ1), AGrandiflora_14 (AZ1), AceofSpades_12 (AZ4), Adolin_15 (AZ1), Adumb2043_14 (AZ1), AinMach_13 (AZ7), Amploria_14 (AZ1), Amyev_14 (AZ1), Asa16_14 (AZ1), Ascela_14 (AZ1), Ashes_14 (AZ5), Barnstormer_12 (EH), Beaupre_14 (AZ5), Berrie_14 (AZ1), Cappuccino_14 (AZ5), Caron_12 (EH), Cassia_14 (AZ1), Cen1621_12 (EH), Community_15 (AZ1), Crewmate_15 (AZ1), Cyan_14 (AZ1), Donkey_14 (AZ5), DrManhattan_14 (AZ1), DrSierra_14 (AZ1), Elezi_14 (AZ1), Emotion_13 (AZ4), Eraser_14 (AZ1), Exile_13 (AZ6), FiveHead_13 (AZ4), Floof_13 (EH), Flutur_14 (AZ), Forester_13 (EH), Gambol_14 (AZ5), GardenState_13 (EH), Giorgio_14 (AZ5), Gretchen_13 (EH), Gumpizza_14 (AZ5), Halsey_14 (AZ5), Honk_12 (EH), IAmGroot_13 (EH), IUFootball_13 (AZ2), Iter_14 (AZ1), IttyBittyPiggy_14 (AZ1), Janeemi_15 (AZ1), JasmineDragon_13 (AZ4), Joemato_14 (AZ1), JohnDoe_14 (AZ1), JohnThicc_13 (AZ4), Jstan_14 (AZ1), JuneStar_14 (AZ1), Kalimba_14 (AZ5), Kaylissa_14 (AZ1), KeAlii_14 (AZ1), LadyAstra_13 (AZ4), Lego_14 (AZ1), Liebe_13 (AZ2), Lizalica_14 (AZ1), London_14 (AZ1), MaGuCo_13 (AZ2), Mabodamaca_13 (EH), Maureen_13 (AZ2), Michkear_16 (AZ), MiniMommy_12 (AZ4), Moss_14 (AZ5), Mudpuppy_14 (AZ1), Mysterium_14 (AZ5), Niobe_14 (AZ1), Nitro_14 (AZ1), ObiToo_14 (AZ1), Origami_13 (AZ4), Percival_13 (EH), Phives_15 (AZ1), Pixelle_14 (AZ1), Powerpuff_14 (AZ1), Pumpkins_14 (AZ1), RockScotty_14 (AZ5), Sabourin_14 (AZ5), Schaffner_14 (AZ1), ShakeItOph_13 (AZ4), Simpson_15 (AZ1), Skelbel_14 (AZ1), Snek_14 (AZ3), Soondubu_13 (AZ6), Sooty_14 (AZ5), SpecialK_14 (AZ5), Stuu_14 (AZ5), SuMoo_12 (EH), Subaru_14 (AZ1), Sue2_14 (AZ1), SuperHands_13 (EH), Tallboi_14 (AZ1), Tbone_14 (AZ1), TforTroy_14 (AZ1), ThursdayNight_13 (AZ), Tian_14 (AZ1), Tuck_15 (AZ1), Turab_14 (AZ1), Tutumahutu_14 (AZ1), Tweety19_14 (AZ3), UtzChips_12 (EH), VResidence_14 (AZ1), VroomVroom_13 (AZ4), Warda_14 (AZ1), Wildwest_15 (AZ1), Yang_14 (AZ1), YesChef_14 (AZ1),

Start 18:
• Found in 3 of 143 (2.1%) of genes in pham

• Manual Annotations of this start: 2 of 125
• Called 100.0% of time when present
• Phage (with cluster) where this start called: MissSwiss_14 (AZ1), PandaPo_14 (AZ1), Reedo_14 (AZ1),

Start 20:
• Found in 2 of 143 (1.4%) of genes in pham
• Manual Annotations of this start: 2 of 125
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AbbeyMikolon_13 (BL), Nesbitt_13 (BL),

Start 21:
• Found in 1 of 143 (0.7%) of genes in pham
• Manual Annotations of this start: 1 of 125
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Rowa_13 (BL),

Summary by clusters:

There are 16 clusters represented in this pham: singleton, AZ, EH, DI, BL, AJ, BT, JN, DW, AZ1, AZ2, AZ3, AZ4, AZ5, AZ6, AZ7,

Info for manual annotations of cluster AJ:
•Start number 15 was manually annotated 1 time for cluster AJ.

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

Info for manual annotations of cluster AZ1:
•Start number 17 was manually annotated 47 times for cluster AZ1.
•Start number 18 was manually annotated 2 times for cluster AZ1.

Info for manual annotations of cluster AZ2:
•Start number 17 was manually annotated 4 times for cluster AZ2.

Info for manual annotations of cluster AZ3:
•Start number 17 was manually annotated 2 times for cluster AZ3.

Info for manual annotations of cluster AZ4:
•Start number 17 was manually annotated 8 times for cluster AZ4.

Info for manual annotations of cluster AZ5:
•Start number 17 was manually annotated 16 times for cluster AZ5.

Info for manual annotations of cluster AZ6:
•Start number 17 was manually annotated 1 time for cluster AZ6.

Info for manual annotations of cluster BL:
•Start number 20 was manually annotated 2 times for cluster BL.
•Start number 21 was manually annotated 1 time for cluster BL.

Info for manual annotations of cluster BT:

•Start number 16 was manually annotated 3 times for cluster BT.

Info for manual annotations of cluster DI:
•Start number 3 was manually annotated 15 times for cluster DI.

Info for manual annotations of cluster DW:
•Start number 3 was manually annotated 4 times for cluster DW.

Info for manual annotations of cluster EH:
•Start number 12 was manually annotated 1 time for cluster EH.
•Start number 17 was manually annotated 14 times for cluster EH.

Info for manual annotations of cluster JN:
•Start number 11 was manually annotated 1 time for cluster JN.
•Start number 12 was manually annotated 1 time for cluster JN.

Gene Information:

Gene: AEgle_14 Start: 10121, Stop: 10390, Start Num: 17
Candidate Starts for AEgle_14:
(Start: 17 @10121 has 93 MA's), (27, 10199), (48, 10316), (55, 10352),

Gene: AGrandiflora_14 Start: 10110, Stop: 10382, Start Num: 17
Candidate Starts for AGrandiflora_14:
(2, 9879), (8, 10041), (Start: 17 @10110 has 93 MA's), (48, 10308), (54, 10341), (55, 10344),

Gene: AbbeyMikolon_13 Start: 8843, Stop: 9109, Start Num: 20
Candidate Starts for AbbeyMikolon_13:
(Start: 20 @8843 has 2 MA's), (26, 8894), (54, 9068), (58, 9089),

Gene: AceofSpades_12 Start: 8366, Stop: 8632, Start Num: 17
Candidate Starts for AceofSpades_12:
(Start: 17 @8366 has 93 MA's),

Gene: Adolin_15 Start: 10098, Stop: 10367, Start Num: 17
Candidate Starts for Adolin_15:
(Start: 17 @10098 has 93 MA's), (23, 10143), (55, 10329),

Gene: Adumb2043_14 Start: 10120, Stop: 10389, Start Num: 17
Candidate Starts for Adumb2043_14:
(Start: 17 @10120 has 93 MA's), (27, 10198), (48, 10315), (55, 10351),

Gene: AinMach_13 Start: 9226, Stop: 9495, Start Num: 17
Candidate Starts for AinMach_13:
(8, 9160), (Start: 17 @9226 has 93 MA's), (39, 9364),

Gene: Amploria_14 Start: 10120, Stop: 10389, Start Num: 17
Candidate Starts for Amploria_14:
(Start: 17 @10120 has 93 MA's), (27, 10198), (48, 10315), (55, 10351),

Gene: Amyev_14 Start: 10132, Stop: 10401, Start Num: 17

Candidate Starts for Amyev_14:
(Start: 17 @10132 has 93 MA's), (48, 10327),

Gene: ArchiDore_15 Start: 9329, Stop: 9712, Start Num: 3
Candidate Starts for ArchiDore_15:
(Start: 3 @9329 has 19 MA's), (6, 9350), (Start: 12 @9368 has 2 MA's), (42, 9584), (46, 9620), (49, 9644), (53, 9662),

Gene: Asa16_14 Start: 10090, Stop: 10359, Start Num: 17
Candidate Starts for Asa16_14:
(Start: 17 @10090 has 93 MA's), (48, 10285), (55, 10321),

Gene: Ascela_14 Start: 10125, Stop: 10394, Start Num: 17
Candidate Starts for Ascela_14:
(Start: 17 @10125 has 93 MA's), (48, 10320),

Gene: Ashes_14 Start: 9665, Stop: 9934, Start Num: 17
Candidate Starts for Ashes_14:
(Start: 17 @9665 has 93 MA's), (40, 9806), (47, 9851), (56, 9902),

Gene: Ayotoya_18 Start: 10919, Stop: 11326, Start Num: 3
Candidate Starts for Ayotoya_18:
(Start: 3 @10919 has 19 MA's), (4, 10943), (13, 10976), (24, 11093), (26, 11099), (28, 11126), (43, 11207), (46, 11231), (49, 11255), (53, 11273),

Gene: Barnstormer_12 Start: 9304, Stop: 9579, Start Num: 17
Candidate Starts for Barnstormer_12:
(Start: 17 @9304 has 93 MA's),

Gene: Beaupre_14 Start: 9666, Stop: 9935, Start Num: 17
Candidate Starts for Beaupre_14:
(Start: 17 @9666 has 93 MA's), (40, 9807), (47, 9852), (56, 9903),

Gene: Berrie_14 Start: 10094, Stop: 10366, Start Num: 17
Candidate Starts for Berrie_14:
(Start: 17 @10094 has 93 MA's), (48, 10292),

Gene: BetterKatz_18 Start: 10860, Stop: 11267, Start Num: 3
Candidate Starts for BetterKatz_18:
(Start: 3 @10860 has 19 MA's), (4, 10875), (13, 10908), (Start: 17 @10977 has 93 MA's), (23, 11031), (24, 11034), (28, 11067), (43, 11148), (49, 11196), (52, 11211),

Gene: Bimmel_57 Start: 32464, Stop: 32769, Start Num: 16
Candidate Starts for Bimmel_57:
(Start: 16 @32464 has 3 MA's), (36, 32611), (38, 32617), (56, 32728),

Gene: Bock_18 Start: 10610, Stop: 11017, Start Num: 3
Candidate Starts for Bock_18:
(Start: 3 @10610 has 19 MA's), (4, 10625), (13, 10658), (Start: 17 @10727 has 93 MA's), (23, 10781), (24, 10784), (28, 10817), (43, 10898), (49, 10946), (52, 10961),

Gene: Brylie_18 Start: 10607, Stop: 11014, Start Num: 3
Candidate Starts for Brylie_18:

(Start: 3 @10607 has 19 MA's), (4, 10622), (7, 10631), (13, 10655), (Start: 17 @10724 has 93 MA's), (23, 10778), (24, 10781), (28, 10814), (43, 10895), (49, 10943), (51, 10952), (52, 10958),

Gene: Cappuccino_14 Start: 9570, Stop: 9839, Start Num: 17
Candidate Starts for Cappuccino_14:
(Start: 17 @9570 has 93 MA's), (34, 9684), (40, 9711), (47, 9756), (56, 9807),

Gene: Caron_12 Start: 9346, Stop: 9621, Start Num: 17
Candidate Starts for Caron_12:
(Start: 17 @9346 has 93 MA's),

Gene: Cassia_14 Start: 10208, Stop: 10474, Start Num: 17
Candidate Starts for Cassia_14:
(Start: 17 @10208 has 93 MA's), (48, 10400), (54, 10433),

Gene: Cen1621_12 Start: 8442, Stop: 8714, Start Num: 17
Candidate Starts for Cen1621_12:
(Start: 17 @8442 has 93 MA's), (28, 8526), (55, 8676),

Gene: Chop_18 Start: 10667, Stop: 11074, Start Num: 3
Candidate Starts for Chop_18:
(Start: 3 @10667 has 19 MA's), (4, 10691), (13, 10724), (24, 10841), (26, 10847), (28, 10874), (43, 10955), (46, 10979), (49, 11003), (53, 11021),

Gene: Community_15 Start: 11176, Stop: 11448, Start Num: 17
Candidate Starts for Community_15:
(Start: 17 @11176 has 93 MA's), (48, 11374),

Gene: Crewmate_15 Start: 10566, Stop: 10835, Start Num: 17
Candidate Starts for Crewmate_15:
(Start: 17 @10566 has 93 MA's), (23, 10611), (48, 10761),

Gene: Cyan_14 Start: 10113, Stop: 10385, Start Num: 17
Candidate Starts for Cyan_14:
(Start: 17 @10113 has 93 MA's), (29, 10200), (48, 10311), (54, 10344), (55, 10347),

Gene: DelRio_19 Start: 11141, Stop: 11548, Start Num: 3
Candidate Starts for DelRio_19:
(Start: 3 @11141 has 19 MA's), (4, 11165), (13, 11198), (24, 11315), (26, 11321), (28, 11348), (43, 11429), (46, 11453), (49, 11477), (53, 11495),

Gene: Donkey_14 Start: 9570, Stop: 9839, Start Num: 17
Candidate Starts for Donkey_14:
(9, 9507), (Start: 17 @9570 has 93 MA's), (40, 9711), (47, 9756), (56, 9807),

Gene: DrManhattan_14 Start: 10088, Stop: 10357, Start Num: 17
Candidate Starts for DrManhattan_14:
(Start: 17 @10088 has 93 MA's), (23, 10133), (55, 10319),

Gene: DrSierra_14 Start: 10119, Stop: 10388, Start Num: 17
Candidate Starts for DrSierra_14:
(Start: 17 @10119 has 93 MA's), (23, 10164), (28, 10200), (48, 10314), (55, 10350),

Gene: DumpsterDude_15 Start: 9345, Stop: 9692, Start Num: 3
Candidate Starts for DumpsterDude_15:
(Start: 3 @9345 has 19 MA's), (28, 9495), (42, 9564), (49, 9624), (53, 9642),

Gene: Elezi_14 Start: 10091, Stop: 10360, Start Num: 17
Candidate Starts for Elezi_14:
(Start: 17 @10091 has 93 MA's), (48, 10286), (55, 10322),

Gene: Emotion_13 Start: 8425, Stop: 8691, Start Num: 17
Candidate Starts for Emotion_13:
(8, 8359), (Start: 17 @8425 has 93 MA's), (22, 8458), (54, 8650),

Gene: Eraser_14 Start: 10091, Stop: 10360, Start Num: 17
Candidate Starts for Eraser_14:
(Start: 17 @10091 has 93 MA's), (48, 10286), (55, 10322),

Gene: Exile_13 Start: 10019, Stop: 10291, Start Num: 17
Candidate Starts for Exile_13:
(Start: 17 @10019 has 93 MA's),

Gene: FiveHead_13 Start: 8357, Stop: 8623, Start Num: 17
Candidate Starts for FiveHead_13:
(Start: 17 @8357 has 93 MA's),

Gene: Floof_13 Start: 8909, Stop: 9184, Start Num: 17
Candidate Starts for Floof_13:
(Start: 17 @8909 has 93 MA's), (33, 9026), (54, 9143), (56, 9152),

Gene: Flutur_14 Start: 10113, Stop: 10385, Start Num: 17
Candidate Starts for Flutur_14:
(2, 9882), (8, 10044), (Start: 17 @10113 has 93 MA's), (48, 10311), (54, 10344), (55, 10347),

Gene: Forester_13 Start: 10441, Stop: 10716, Start Num: 17
Candidate Starts for Forester_13:
(Start: 17 @10441 has 93 MA's), (49, 10654), (54, 10675),

Gene: Francois_18 Start: 10624, Stop: 11031, Start Num: 3
Candidate Starts for Francois_18:
(Start: 3 @10624 has 19 MA's), (4, 10639), (13, 10672), (23, 10795), (24, 10798), (28, 10831), (43, 10912), (52, 10975),

Gene: Gambol_14 Start: 9570, Stop: 9839, Start Num: 17
Candidate Starts for Gambol_14:
(9, 9507), (Start: 17 @9570 has 93 MA's), (40, 9711), (47, 9756), (56, 9807),

Gene: GardenState_13 Start: 9573, Stop: 9848, Start Num: 17
Candidate Starts for GardenState_13:
(Start: 17 @9573 has 93 MA's), (42, 9726), (56, 9816),

Gene: Giorgio_14 Start: 9673, Stop: 9942, Start Num: 17
Candidate Starts for Giorgio_14:
(Start: 17 @9673 has 93 MA's), (40, 9814), (47, 9859), (49, 9880), (56, 9910),

Gene: GrandSlam_18 Start: 10667, Stop: 11074, Start Num: 3
Candidate Starts for GrandSlam_18:
(Start: 3 @10667 has 19 MA's), (4, 10691), (13, 10724), (24, 10841), (26, 10847), (28, 10874), (43, 10955), (46, 10979), (49, 11003), (53, 11021),

Gene: Gretchen_13 Start: 10435, Stop: 10710, Start Num: 17
Candidate Starts for Gretchen_13:
(Start: 17 @10435 has 93 MA's), (49, 10648), (54, 10669),

Gene: Gumpizza_14 Start: 9666, Stop: 9935, Start Num: 17
Candidate Starts for Gumpizza_14:
(Start: 17 @9666 has 93 MA's), (40, 9807), (47, 9852), (56, 9903),

Gene: Halsey_14 Start: 9665, Stop: 9934, Start Num: 17
Candidate Starts for Halsey_14:
(Start: 17 @9665 has 93 MA's), (40, 9806), (47, 9851), (56, 9902),

Gene: Hamood_18 Start: 10667, Stop: 11074, Start Num: 3
Candidate Starts for Hamood_18:
(Start: 3 @10667 has 19 MA's), (4, 10691), (13, 10724), (24, 10841), (26, 10847), (28, 10874), (43, 10955), (46, 10979), (49, 11003), (53, 11021),

Gene: Honk_12 Start: 8396, Stop: 8665, Start Num: 17
Candidate Starts for Honk_12:
(Start: 17 @8396 has 93 MA's), (44, 8558),

Gene: IAmGroot_13 Start: 10217, Stop: 10492, Start Num: 17
Candidate Starts for IAmGroot_13:
(Start: 17 @10217 has 93 MA's), (42, 10370), (56, 10460),

Gene: IUFootball_13 Start: 8595, Stop: 8864, Start Num: 17
Candidate Starts for IUFootball_13:
(Start: 17 @8595 has 93 MA's), (41, 8739),

Gene: Ibantik_77 Start: 36465, Stop: 36803, Start Num: 11
Candidate Starts for Ibantik_77:
(Start: 11 @36465 has 1 MA's), (28, 36606), (32, 36633), (44, 36681), (57, 36759),

Gene: IdentityCrisis_13 Start: 9415, Stop: 9732, Start Num: 15
Candidate Starts for IdentityCrisis_13:
(5, 9364), (Start: 15 @9415 has 1 MA's), (24, 9520), (31, 9571), (35, 9589), (58, 9721),

Gene: Iter_14 Start: 10125, Stop: 10394, Start Num: 17
Candidate Starts for Iter_14:
(Start: 17 @10125 has 93 MA's), (48, 10320),

Gene: IttyBittyPiggy_14 Start: 10108, Stop: 10371, Start Num: 17
Candidate Starts for IttyBittyPiggy_14:
(Start: 17 @10108 has 93 MA's), (48, 10297),

Gene: Janeemi_15 Start: 11204, Stop: 11476, Start Num: 17
Candidate Starts for Janeemi_15:
(Start: 17 @11204 has 93 MA's), (48, 11402),

Gene: JasmineDragon_13 Start: 8354, Stop: 8620, Start Num: 17
Candidate Starts for JasmineDragon_13:
(Start: 17 @8354 has 93 MA's),

Gene: Joemato_14 Start: 10113, Stop: 10385, Start Num: 17
Candidate Starts for Joemato_14:
(Start: 17 @10113 has 93 MA's), (29, 10200), (48, 10311), (54, 10344), (55, 10347),

Gene: JohnDoe_14 Start: 10108, Stop: 10380, Start Num: 17
Candidate Starts for JohnDoe_14:
(Start: 17 @10108 has 93 MA's), (29, 10195), (48, 10306), (54, 10339), (55, 10342),

Gene: JohnThicc_13 Start: 8357, Stop: 8623, Start Num: 17
Candidate Starts for JohnThicc_13:
(Start: 17 @8357 has 93 MA's),

Gene: Jstan_14 Start: 10091, Stop: 10360, Start Num: 17
Candidate Starts for Jstan_14:
(Start: 17 @10091 has 93 MA's), (48, 10286), (55, 10322),

Gene: JuneStar_14 Start: 10206, Stop: 10472, Start Num: 17
Candidate Starts for JuneStar_14:
(Start: 17 @10206 has 93 MA's), (48, 10398),

Gene: Kalimba_14 Start: 9571, Stop: 9840, Start Num: 17
Candidate Starts for Kalimba_14:
(Start: 17 @9571 has 93 MA's), (40, 9712), (47, 9757), (56, 9808),

Gene: Kaylissa_14 Start: 10114, Stop: 10386, Start Num: 17
Candidate Starts for Kaylissa_14:
(Start: 17 @10114 has 93 MA's), (29, 10201), (48, 10312), (54, 10345), (55, 10348),

Gene: KeAlii_14 Start: 10157, Stop: 10426, Start Num: 17
Candidate Starts for KeAlii_14:
(Start: 17 @10157 has 93 MA's), (28, 10238), (45, 10334), (48, 10352),

Gene: LadyAstra_13 Start: 8357, Stop: 8623, Start Num: 17
Candidate Starts for LadyAstra_13:
(Start: 17 @8357 has 93 MA's),

Gene: Lego_14 Start: 10113, Stop: 10385, Start Num: 17
Candidate Starts for Lego_14:
(2, 9882), (8, 10044), (Start: 17 @10113 has 93 MA's), (48, 10311), (54, 10344), (55, 10347),

Gene: Liebe_13 Start: 8595, Stop: 8864, Start Num: 17
Candidate Starts for Liebe_13:
(Start: 17 @8595 has 93 MA's), (41, 8739),

Gene: Lizalica_14 Start: 10098, Stop: 10370, Start Num: 17
Candidate Starts for Lizalica_14:
(Start: 17 @10098 has 93 MA's), (48, 10296), (54, 10329), (55, 10332),

Gene: London_14 Start: 10091, Stop: 10360, Start Num: 17
Candidate Starts for London_14:
(Start: 17 @10091 has 93 MA's), (48, 10286), (55, 10322),

Gene: MaGuCo_13 Start: 8529, Stop: 8798, Start Num: 17
Candidate Starts for MaGuCo_13:
(Start: 17 @8529 has 93 MA's), (41, 8673),

Gene: Mabodamaca_13 Start: 9642, Stop: 9917, Start Num: 17
Candidate Starts for Mabodamaca_13:
(Start: 17 @9642 has 93 MA's), (42, 9795), (54, 9876),

Gene: MakCheese_16 Start: 9106, Stop: 9450, Start Num: 6
Candidate Starts for MakCheese_16:
(Start: 3 @9085 has 19 MA's), (6, 9106), (Start: 12 @9124 has 2 MA's), (28, 9253), (42, 9322), (46, 9358), (49, 9382), (53, 9400),

Gene: Maureen_13 Start: 8595, Stop: 8864, Start Num: 17
Candidate Starts for Maureen_13:
(Start: 17 @8595 has 93 MA's), (41, 8739),

Gene: Michkear_16 Start: 12006, Stop: 12275, Start Num: 17
Candidate Starts for Michkear_16:
(Start: 17 @12006 has 93 MA's), (51, 12222),

Gene: MiniMommy_12 Start: 8355, Stop: 8621, Start Num: 17
Candidate Starts for MiniMommy_12:
(Start: 17 @8355 has 93 MA's),

Gene: MissSwiss_14 Start: 10094, Stop: 10360, Start Num: 18
Candidate Starts for MissSwiss_14:
(Start: 18 @10094 has 2 MA's), (23, 10136), (50, 10304),

Gene: Moss_14 Start: 9665, Stop: 9934, Start Num: 17
Candidate Starts for Moss_14:
(Start: 17 @9665 has 93 MA's), (40, 9806), (47, 9851), (56, 9902),

Gene: Mudpuppy_14 Start: 10112, Stop: 10384, Start Num: 17
Candidate Starts for Mudpuppy_14:
(Start: 17 @10112 has 93 MA's), (48, 10310), (54, 10343), (55, 10346),

Gene: Mulch_18 Start: 10607, Stop: 11014, Start Num: 3
Candidate Starts for Mulch_18:
(Start: 3 @10607 has 19 MA's), (4, 10622), (7, 10631), (13, 10655), (Start: 17 @10724 has 93 MA's), (23, 10778), (24, 10781), (28, 10814), (43, 10895), (49, 10943), (51, 10952), (52, 10958),

Gene: Mysterium_14 Start: 9666, Stop: 9935, Start Num: 17
Candidate Starts for Mysterium_14:
(Start: 17 @9666 has 93 MA's), (40, 9807), (47, 9852), (56, 9903),

Gene: Nadeem_18 Start: 10607, Stop: 11014, Start Num: 3
Candidate Starts for Nadeem_18:

(Start: 3 @10607 has 19 MA's), (4, 10622), (7, 10631), (13, 10655), (Start: 17 @10724 has 93 MA's), (23, 10778), (24, 10781), (28, 10814), (43, 10895), (49, 10943), (51, 10952), (52, 10958),

Gene: NancyRae_18 Start: 10607, Stop: 11014, Start Num: 3
Candidate Starts for NancyRae_18:
(Start: 3 @10607 has 19 MA's), (4, 10622), (7, 10631), (13, 10655), (Start: 17 @10724 has 93 MA's), (23, 10778), (24, 10781), (28, 10814), (43, 10895), (49, 10943), (51, 10952), (52, 10958),

Gene: Nesbitt_13 Start: 8915, Stop: 9181, Start Num: 20
Candidate Starts for Nesbitt_13:
(Start: 20 @8915 has 2 MA's), (26, 8966), (54, 9140), (58, 9161),

Gene: Niobe_14 Start: 10091, Stop: 10360, Start Num: 17
Candidate Starts for Niobe_14:
(Start: 17 @10091 has 93 MA's), (48, 10286), (55, 10322),

Gene: Nitro_14 Start: 10114, Stop: 10383, Start Num: 17
Candidate Starts for Nitro_14:
(Start: 17 @10114 has 93 MA's), (48, 10309), (55, 10345),

Gene: ObiToo_14 Start: 10303, Stop: 10572, Start Num: 17
Candidate Starts for ObiToo_14:
(Start: 17 @10303 has 93 MA's), (23, 10348), (48, 10498),

Gene: Origami_13 Start: 8357, Stop: 8623, Start Num: 17
Candidate Starts for Origami_13:
(Start: 17 @8357 has 93 MA's),

Gene: PandaPo_14 Start: 10094, Stop: 10360, Start Num: 18
Candidate Starts for PandaPo_14:
(Start: 18 @10094 has 2 MA's), (23, 10136), (50, 10304),

Gene: Parada_18 Start: 10607, Stop: 11014, Start Num: 3
Candidate Starts for Parada_18:
(Start: 3 @10607 has 19 MA's), (4, 10622), (7, 10631), (13, 10655), (Start: 17 @10724 has 93 MA's), (23, 10778), (24, 10781), (28, 10814), (43, 10895), (49, 10943), (51, 10952), (52, 10958),

Gene: Percival_13 Start: 10269, Stop: 10544, Start Num: 17
Candidate Starts for Percival_13:
(Start: 17 @10269 has 93 MA's), (49, 10482), (54, 10503),

Gene: Phives_15 Start: 11192, Stop: 11461, Start Num: 17
Candidate Starts for Phives_15:
(Start: 17 @11192 has 93 MA's), (48, 11387),

Gene: Pimento_19 Start: 10811, Stop: 11218, Start Num: 3
Candidate Starts for Pimento_19:
(Start: 3 @10811 has 19 MA's), (13, 10859), (Start: 17 @10928 has 93 MA's), (23, 10982), (24, 10985), (28, 11018), (43, 11099), (49, 11147), (52, 11162),

Gene: Pixelle_14 Start: 10135, Stop: 10404, Start Num: 17
Candidate Starts for Pixelle_14:
(Start: 17 @10135 has 93 MA's), (28, 10216), (48, 10330),

Gene: Ponzi_52 Start: 29867, Stop: 30178, Start Num: 14
Candidate Starts for Ponzi_52:
(10, 29849), (Start: 14 @29867 has 1 MA's), (30, 30020), (36, 30038), (37, 30041),

Gene: Powerpuff_14 Start: 10164, Stop: 10436, Start Num: 17
Candidate Starts for Powerpuff_14:
(2, 9933), (8, 10095), (Start: 17 @10164 has 93 MA's), (48, 10362), (54, 10395), (55, 10398),

Gene: Pumpkins_14 Start: 10215, Stop: 10484, Start Num: 17
Candidate Starts for Pumpkins_14:
(Start: 17 @10215 has 93 MA's), (48, 10410), (54, 10443),

Gene: Reedo_14 Start: 10171, Stop: 10437, Start Num: 18
Candidate Starts for Reedo_14:
(Start: 18 @10171 has 2 MA's), (28, 10249), (48, 10363),

Gene: RockScotty_14 Start: 9665, Stop: 9934, Start Num: 17
Candidate Starts for RockScotty_14:
(Start: 17 @9665 has 93 MA's), (40, 9806), (47, 9851), (56, 9902),

Gene: Rowa_13 Start: 8677, Stop: 8931, Start Num: 21
Candidate Starts for Rowa_13:
(19, 8662), (Start: 21 @8677 has 1 MA's), (39, 8800), (49, 8869), (58, 8911),

Gene: RunningOnE_70 Start: 35204, Stop: 35530, Start Num: 12
Candidate Starts for RunningOnE_70:
(Start: 12 @35204 has 2 MA's), (28, 35339), (32, 35366), (40, 35393),

Gene: Ruthy_15 Start: 9419, Stop: 9802, Start Num: 3
Candidate Starts for Ruthy_15:
(Start: 3 @9419 has 19 MA's), (6, 9440), (Start: 12 @9458 has 2 MA's), (42, 9674), (46, 9710), (49, 9734), (53, 9752),

Gene: Sabourin_14 Start: 9570, Stop: 9839, Start Num: 17
Candidate Starts for Sabourin_14:
(Start: 17 @9570 has 93 MA's), (40, 9711), (47, 9756), (56, 9807),

Gene: Schaffner_14 Start: 10202, Stop: 10471, Start Num: 17
Candidate Starts for Schaffner_14:
(Start: 17 @10202 has 93 MA's), (48, 10397), (54, 10430),

Gene: ShakeItOph_13 Start: 8354, Stop: 8620, Start Num: 17
Candidate Starts for ShakeItOph_13:
(Start: 17 @8354 has 93 MA's),

Gene: Simpson_15 Start: 10113, Stop: 10385, Start Num: 17
Candidate Starts for Simpson_15:
(Start: 17 @10113 has 93 MA's), (29, 10200), (48, 10311), (54, 10344), (55, 10347),

Gene: Skelbel_14 Start: 10091, Stop: 10360, Start Num: 17
Candidate Starts for Skelbel_14:
(Start: 17 @10091 has 93 MA's), (48, 10286), (55, 10322),

Gene: Snek_14 Start: 9207, Stop: 9476, Start Num: 17
Candidate Starts for Snek_14:
(Start: 17 @9207 has 93 MA's), (23, 9252), (34, 9321),

Gene: Soondubu_13 Start: 10020, Stop: 10292, Start Num: 17
Candidate Starts for Soondubu_13:
(Start: 17 @10020 has 93 MA's),

Gene: Sooty_14 Start: 9572, Stop: 9841, Start Num: 17
Candidate Starts for Sooty_14:
(Start: 17 @9572 has 93 MA's), (40, 9713), (47, 9758), (56, 9809),

Gene: SpecialK_14 Start: 9572, Stop: 9841, Start Num: 17
Candidate Starts for SpecialK_14:
(Start: 17 @9572 has 93 MA's), (40, 9713), (47, 9758), (56, 9809),

Gene: Spooks_58 Start: 33765, Stop: 34070, Start Num: 16
Candidate Starts for Spooks_58:
(Start: 16 @33765 has 3 MA's), (36, 33912), (38, 33918), (56, 34029),

Gene: Sprinklemunch_14 Start: 9134, Stop: 9484, Start Num: 3
Candidate Starts for Sprinklemunch_14:
(Start: 3 @9134 has 19 MA's), (25, 9257), (28, 9287), (42, 9356), (49, 9416), (53, 9434),

Gene: Stuu_14 Start: 9665, Stop: 9934, Start Num: 17
Candidate Starts for Stuu_14:
(Start: 17 @9665 has 93 MA's), (40, 9806), (47, 9851), (56, 9902),

Gene: SuMoo_12 Start: 8599, Stop: 8874, Start Num: 17
Candidate Starts for SuMoo_12:
(Start: 17 @8599 has 93 MA's), (42, 8752), (54, 8833),

Gene: Subaru_14 Start: 10091, Stop: 10360, Start Num: 17
Candidate Starts for Subaru_14:
(Start: 17 @10091 has 93 MA's), (48, 10286), (55, 10322),

Gene: Success_59 Start: 32884, Stop: 33189, Start Num: 16
Candidate Starts for Success_59:
(Start: 16 @32884 has 3 MA's), (36, 33031), (38, 33037), (56, 33148),

Gene: Sue2_14 Start: 10128, Stop: 10391, Start Num: 17
Candidate Starts for Sue2_14:
(Start: 17 @10128 has 93 MA's), (22, 10158),

Gene: SuperHands_13 Start: 10441, Stop: 10716, Start Num: 17
Candidate Starts for SuperHands_13:
(Start: 17 @10441 has 93 MA's), (49, 10654), (54, 10675),

Gene: SussRoloMann_18 Start: 10607, Stop: 11014, Start Num: 3
Candidate Starts for SussRoloMann_18:
(Start: 3 @10607 has 19 MA's), (4, 10622), (7, 10631), (13, 10655), (Start: 17 @10724 has 93 MA's), (23, 10778), (24, 10781), (28, 10814), (43, 10895), (49, 10943), (51, 10952), (52, 10958),

Gene: Tallboi_14 Start: 10118, Stop: 10387, Start Num: 17
Candidate Starts for Tallboi_14:
(Start: 17 @10118 has 93 MA's), (48, 10313), (55, 10349),

Gene: Tbone_14 Start: 10117, Stop: 10389, Start Num: 17
Candidate Starts for Tbone_14:
(1, 9646), (Start: 17 @10117 has 93 MA's), (48, 10315), (54, 10348), (55, 10351),

Gene: TforTroy_14 Start: 10233, Stop: 10502, Start Num: 17
Candidate Starts for TforTroy_14:
(Start: 17 @10233 has 93 MA's), (48, 10428), (54, 10461),

Gene: ThursdayNight_13 Start: 8624, Stop: 8887, Start Num: 17
Candidate Starts for ThursdayNight_13:
(Start: 17 @8624 has 93 MA's), (34, 8732), (56, 8855),

Gene: Tian_14 Start: 10132, Stop: 10401, Start Num: 17
Candidate Starts for Tian_14:
(Start: 17 @10132 has 93 MA's), (48, 10327),

Gene: Tuck_15 Start: 11156, Stop: 11428, Start Num: 17
Candidate Starts for Tuck_15:
(Start: 17 @11156 has 93 MA's), (48, 11354),

Gene: Turab_14 Start: 10120, Stop: 10389, Start Num: 17
Candidate Starts for Turab_14:
(Start: 17 @10120 has 93 MA's), (27, 10198), (48, 10315), (55, 10351),

Gene: Tutumahutu_14 Start: 10164, Stop: 10436, Start Num: 17
Candidate Starts for Tutumahutu_14:
(2, 9933), (8, 10095), (Start: 17 @10164 has 93 MA's), (48, 10362), (54, 10395), (55, 10398),

Gene: Tweety19_14 Start: 9206, Stop: 9475, Start Num: 17
Candidate Starts for Tweety19_14:
(Start: 17 @9206 has 93 MA's), (23, 9251), (34, 9320),

Gene: UtzChips_12 Start: 9292, Stop: 9567, Start Num: 17
Candidate Starts for UtzChips_12:
(Start: 17 @9292 has 93 MA's),

Gene: VResidence_14 Start: 10200, Stop: 10466, Start Num: 17
Candidate Starts for VResidence_14:
(6, 10125), (Start: 17 @10200 has 93 MA's), (29, 10281), (54, 10425),

Gene: VroomVroom_13 Start: 8366, Stop: 8632, Start Num: 17
Candidate Starts for VroomVroom_13:
(Start: 17 @8366 has 93 MA's),

Gene: WST1_13 Start: 9433, Stop: 9750, Start Num: 15
Candidate Starts for WST1_13:
(5, 9382), (Start: 15 @9433 has 1 MA's), (24, 9538), (31, 9589), (35, 9607), (58, 9739),

Gene: Warda_14 Start: 10109, Stop: 10381, Start Num: 17
Candidate Starts for Warda_14:
(Start: 17 @10109 has 93 MA's), (48, 10307), (54, 10340), (55, 10343),

Gene: WheatThin_19 Start: 10607, Stop: 11014, Start Num: 3
Candidate Starts for WheatThin_19:
(Start: 3 @10607 has 19 MA's), (4, 10622), (7, 10631), (13, 10655), (Start: 17 @10724 has 93 MA's), (23, 10778), (24, 10781), (28, 10814), (43, 10895), (49, 10943), (51, 10952), (52, 10958),

Gene: Wildwest_15 Start: 11039, Stop: 11308, Start Num: 17
Candidate Starts for Wildwest_15:
(Start: 17 @11039 has 93 MA's), (23, 11084), (28, 11120), (48, 11234),

Gene: Yang_14 Start: 10203, Stop: 10472, Start Num: 17
Candidate Starts for Yang_14:
(Start: 17 @10203 has 93 MA's), (48, 10398), (54, 10431),

Gene: YesChef_14 Start: 10164, Stop: 10436, Start Num: 17
Candidate Starts for YesChef_14:
(2, 9933), (8, 10095), (Start: 17 @10164 has 93 MA's), (48, 10362), (54, 10395), (55, 10398),

Gene: Zeta1847_12 Start: 8400, Stop: 8708, Start Num: 12
Candidate Starts for Zeta1847_12:
(Start: 12 @8400 has 2 MA's),

Gene: Zodiariah_14 Start: 9098, Stop: 9445, Start Num: 3
Candidate Starts for Zodiariah_14:
(Start: 3 @9098 has 19 MA's), (28, 9248), (42, 9317), (46, 9353), (49, 9377), (53, 9395),