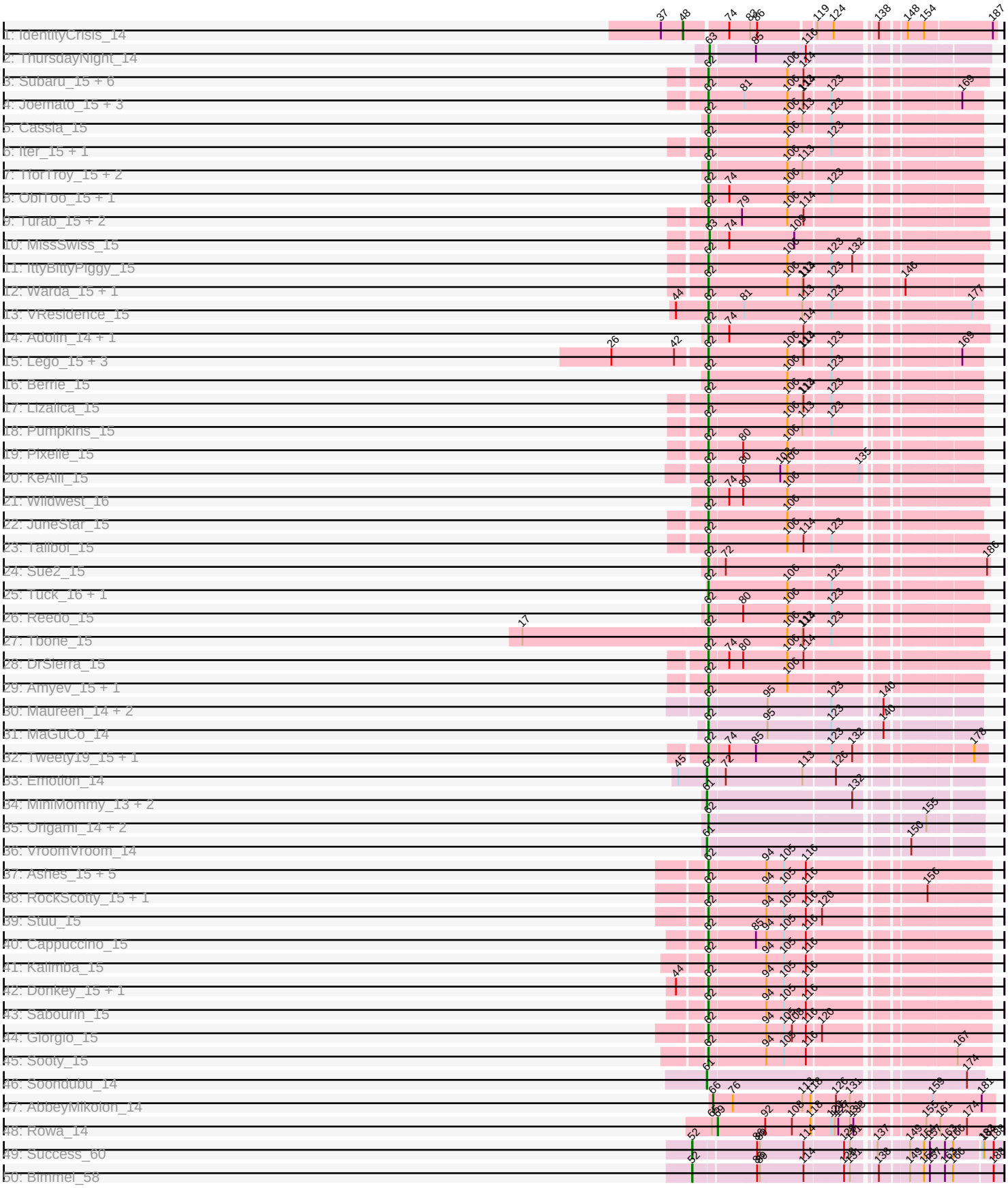
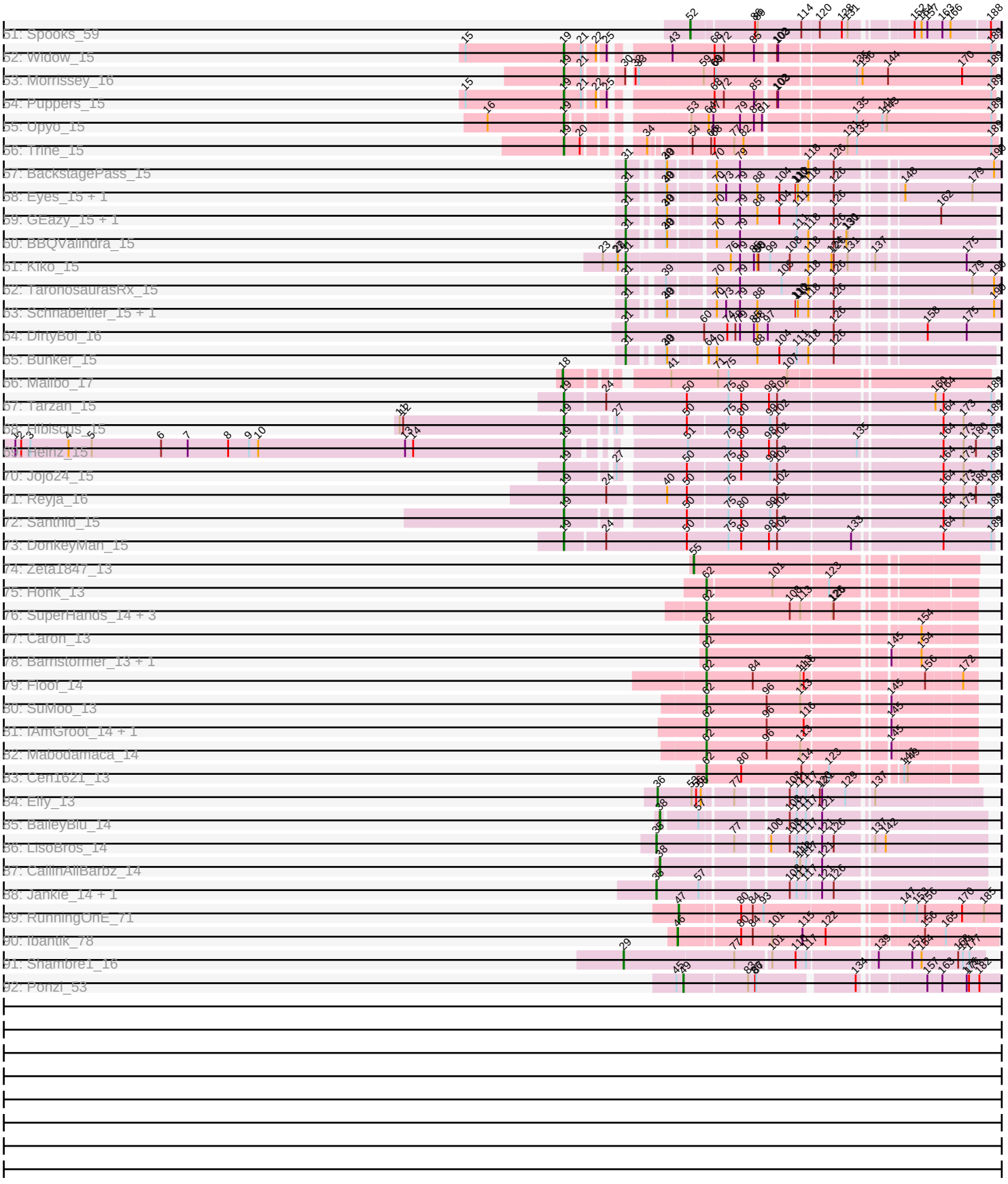
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1: IdentityCrisis_14
2: ThursdayNight_14
3: Subaru_15 + 6
4: Joemato_15 + 3
5: Cassia_15
6: Iter_15 + 1
7: ThorTroy_15 + 2
8: ObiToo_15 + 1
9: Turab_15 + 2
10: MissSwiss_15
11: IttyBittyPiggy_15
12: Warda_15 + 1
13: VResidence_15
14: Adolin_14 + 1
15: Lego_15 + 3
16: Bernie_15
17: Lizalica_15
18: Pumpkins_15
19: Pixelle_15
20: KeAlli_15
21: Wildwest_16
22: JuneStar_15
23: Tallboi_15
24: Sue2_15
25: Tuck_16 + 1
26: Reedo_15
27: Tbone_15
28: DrSierra_15
29: Amyev_15 + 1
30: Maureen_14 + 2
31: MaGuCo_14
32: Tweety19_15 + 1
33: Emotion_14
34: MiniMommy_13 + 2
35: Origami_14 + 2
36: VroomVroom_14
37: Ashes_15 + 5
38: RockScotty_15 + 1
39: Stuu_15
40: Cappuccino_15
41: Kalimba_15
42: Donkey_15 + 1
43: Sabourin_15
44: Giorgio_15
45: Sooty_15
46: Soondubu_14
47: AbbeyMikolon_14
48: Rowa_14
49: Success_60
50: Bimmel_58

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51: Spooks_59
52: Widow_15
53: Morrissey_16
54: Puppers_15
55: Opyo_15
56: Trine_15
57: BackstagePass_15
58: Eyes_15 + 1
59: GEazy_15 + 1
60: BBQValindra_15
61: Kiko_15
62: TaronosaurasRx_15
63: Schnabeltier_15 + 1
64: DirtyBoi_16
65: Bunker_15
66: Malibo_17
67: Tarzan_15
68: Hibiscus_15
69: Heinz_15
70: Jojo24_15
71: Reyja_16
72: Santhid_15
73: DonkeyMan_15
74: Zeta1847_13
75: Honk_13
76: SuperHands_14 + 3
77: Caron_13
78: Barnstormer_13 + 1
79: Floof_14
80: SuMoo_13
81: IAmGroot_14 + 1
82: Mabodamaca_14
83: Cen1621_13
84: Elfy_13
85: BaileyBlu_14
86: LisoBros_14
87: CallinAllBarbz_14
88: Jankie_14 + 1
89: RunningOnE_71
90: Ibantik_78
91: Shambre1_16
92: Ponzi_53

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 347369 Report

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

Pham number 347369 has 137 members, 0 are drafts.

Phages represented in each track:
- Track 1 : IdentityCrisis_14
- Track 2 : ThursdayNight_14
- Track 3 : Subaru_15, Elezi_15, Nitro_15, Eraser_15, London_15, Niobe_15, Asa16_15
- Track 4 : Joemato_15, JohnDoe_15, Kaylissa_15, Cyan_15
- Track 5 : Cassia_15
- Track 6 : Iter_15, Ascela_15
- Track 7 : TforTroy_15, Yang_15, Schaffner_15
- Track 8 : ObiToo_15, Crewmate_16
- Track 9 : Turab_15, Adumb2043_15, Amploria_15
- Track 10 : MissSwiss_15
- Track 11 : IttyBittyPiggy_15
- Track 12 : Warda_15, Mudpuppy_15
- Track 13 : VResidence_15
- Track 14 : Adolin_14, DrManhattan_15
- Track 15 : Lego_15, YesChef_15, Tutumahutu_15, Powerpuff_15
- Track 16 : Berrie_15
- Track 17 : Lizalica_15
- Track 18 : Pumpkins_15
- Track 19 : Pixelle_15
- Track 20 : KeAlii_15
- Track 21 : Wildwest_16
- Track 22 : JuneStar_15
- Track 23 : Tallboi_15
- Track 24 : Sue2_15
- Track 25 : Tuck_16, Janeemi_16
- Track 26 : Reedo_15
- Track 27 : Tbone_15
- Track 28 : DrSierra_15
- Track 29 : Amyev_15, Phives_16
- Track 30 : Maureen_14, IUFootball_14, Liebe_14
- Track 31 : MaGuCo_14
- Track 32 : Tweety19_15, Snek_15
- Track 33 : Emotion_14
- Track 34 : MiniMommy_13, JasmineDragon_14, ShakeItOph_14
- Track 35 : Origami_14, LadyAstra_14, JohnThicc_14
- Track 36 : VroomVroom_14

• Track 37 : Ashes_15, Mysterium_15, SpecialK_15, Halsey_15, Gumpizza_15, Beaupre_15
• Track 38 : RockScotty_15, Moss_15
• Track 39 : Stuu_15
• Track 40 : Cappuccino_15
• Track 41 : Kalimba_15
• Track 42 : Donkey_15, Gambol_15
• Track 43 : Sabourin_15
• Track 44 : Giorgio_15
• Track 45 : Sooty_15
• Track 46 : Soondubu_14
• Track 47 : AbbeyMikolon_14
• Track 48 : Rowa_14
• Track 49 : Success_60
• Track 50 : Bimmel_58
• Track 51 : Spooks_59
• Track 52 : Widow_15
• Track 53 : Morrissey_16
• Track 54 : Puppers_15
• Track 55 : Upyo_15
• Track 56 : Trine_15
• Track 57 : BackstagePass_15
• Track 58 : Eyes_15, Opie_15
• Track 59 : GEazy_15, HannahD_15
• Track 60 : BBQValindra_15
• Track 61 : Kiko_15
• Track 62 : TaronosaurasRx_15
• Track 63 : Schnabeltier_15, MagicMan_15
• Track 64 : DirtyBoi_16
• Track 65 : Bunker_15
• Track 66 : Malibo_17
• Track 67 : Tarzan_15
• Track 68 : Hibiscus_15
• Track 69 : Heinz_15
• Track 70 : Jojo24_15
• Track 71 : Reyja_16
• Track 72 : Santhid_15
• Track 73 : DonkeyMan_15
• Track 74 : Zeta1847_13
• Track 75 : Honk_13
• Track 76 : SuperHands_14, Forester_14, Percival_14, Gretchen_14
• Track 77 : Caron_13
• Track 78 : Barnstormer_13, UtzChips_13
• Track 79 : Floof_14
• Track 80 : SuMoo_13
• Track 81 : IAmGroot_14, GardenState_14
• Track 82 : Mabodamaca_14
• Track 83 : Cen1621_13
• Track 84 : Elfy_13
• Track 85 : BaileyBlu_14
• Track 86 : LisoBros_14
• Track 87 : CallinAllBarbz_14
• Track 88 : Jankie_14, GrimEater_14

• Track 89 : RunningOnE_71
• Track 90 : Ibantik_78
• Track 91 : Shambre1_16
• Track 92 : Ponzi_53

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

The start number called the most often in the published annotations is 62, it was called in 87 of the 137 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Adolin_14, Adumb2043_15, Amploria_15, Amyev_15, Asa16_15, Ascela_15, Ashes_15, Barnstormer_13, Beaupre_15, Berrie_15, Cappuccino_15, Caron_13, Cassia_15, Cen1621_13, Crewmate_16, Cyan_15, Donkey_15, DrManhattan_15, DrSierra_15, Elezi_15, Eraser_15, Floof_14, Forester_14, Gambol_15, GardenState_14, Giorgio_15, Gretchen_14, Gumpizza_15, Halsey_15, Honk_13, IAmGroot_14, IUFootball_14, Iter_15, IttyBittyPiggy_15, Janeemi_16, Joemato_15, JohnDoe_15, JohnThicc_14, JuneStar_15, Kalimba_15, Kaylissa_15, KeAlii_15, LadyAstra_14, Lego_15, Liebe_14, Lizalica_15, London_15, MaGuCo_14, Mabodamaca_14, Maureen_14, Moss_15, Mudpuppy_15, Mysterium_15, Niobe_15, Nitro_15, ObiToo_15, Origami_14, Percival_14, Phives_16, Pixelle_15, Powerpuff_15, Pumpkins_15, Reedo_15, RockScotty_15, Sabourin_15, Schaffner_15, Snek_15, Sooty_15, SpecialK_15, Stuu_15, SuMoo_13, Subaru_15, Sue2_15, SuperHands_14, Tallboi_15, Tbone_15, TforTroy_15, Tuck_16, Turab_15, Tutumahutu_15, Tweety19_15, UtzChips_13, VResidence_15, Warda_15, Wildwest_16, Yang_15, YesChef_15,

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

Genes that do not have the "Most Annotated" start:
• AbbeyMikolon_14, BBQValindra_15, BackstagePass_15, BaileyBlu_14, Bimmel_58, Bunker_15, CallinAllBarbz_14, DirtyBoi_16, DonkeyMan_15, Elfy_13, Emotion_14, Eyes_15, GEazy_15, GrimEater_14, HannahD_15, Heinz_15, Hibiscus_15, Ibantik_78, IdentityCrisis_14, Jankie_14, JasmineDragon_14, Jojo24_15, Kiko_15, LisoBros_14, MagicMan_15, Malibo_17, MiniMommy_13, MissSwiss_15, Morrissey_16, Opie_15, Ponzi_53, Puppers_15, Reyja_16, Rowa_14, RunningOnE_71, Santhid_15, Schnabeltier_15, ShakeItOph_14, Shambre1_16, Soondubu_14, Spooks_59, Success_60, TaronosaurasRx_15, Tarzan_15, ThursdayNight_14, Trine_15, Upyo_15, VroomVroom_14, Widow_15, Zeta1847_13,

Summary by start number:

Start 18:
• Found in 1 of 137 (0.7%) of genes in pham
• Manual Annotations of this start: 1 of 137
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Malibo_17 (DW),

Start 19:

• Found in 12 of 137 (8.8%) of genes in pham
• Manual Annotations of this start: 12 of 137
• Called 100.0% of time when present
• Phage (with cluster) where this start called: DonkeyMan_15 (DY), Heinz_15 (DY), Hibiscus_15 (DY), Jojo24_15 (DY), Morrissey_16 (CD), Puppers_15 (CD), Reyja_16 (DY), Santhid_15 (DY), Tarzan_15 (DY), Trine_15 (CD), Upyo_15 (CD), Widow_15 (CD),

Start 29:
• Found in 1 of 137 (0.7%) of genes in pham
• Manual Annotations of this start: 1 of 137
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Shambre1_16 (singleton),

Start 31:
• Found in 12 of 137 (8.8%) of genes in pham
• Manual Annotations of this start: 12 of 137
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BBQValindra_15 (DB), BackstagePass_15 (DB), Bunker_15 (DB), DirtyBoi_16 (DB), Eyes_15 (DB), GEazy_15 (DB), HannahD_15 (DB), Kiko_15 (DB), MagicMan_15 (DB), Opie_15 (DB), Schnabeltier_15 (DB), TaronosaurasRx_15 (DB),

Start 35:
• Found in 3 of 137 (2.2%) of genes in pham
• Manual Annotations of this start: 3 of 137
• Called 100.0% of time when present
• Phage (with cluster) where this start called: GrimEater_14 (FP), Jankie_14 (FP), LisoBros_14 (FP),

Start 36:
• Found in 1 of 137 (0.7%) of genes in pham
• Manual Annotations of this start: 1 of 137
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Elfy_13 (FP),

Start 38:
• Found in 2 of 137 (1.5%) of genes in pham
• Manual Annotations of this start: 2 of 137
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BaileyBlu_14 (FP), CallinAllBarbz_14 (FP),

Start 46:
• Found in 1 of 137 (0.7%) of genes in pham
• Manual Annotations of this start: 1 of 137
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Ibantik_78 (JN),

Start 47:
• Found in 1 of 137 (0.7%) of genes in pham
• Manual Annotations of this start: 1 of 137
• Called 100.0% of time when present

• Phage (with cluster) where this start called: RunningOnE_71 (JN),

Start 48:
• Found in 1 of 137 (0.7%) of genes in pham
• Manual Annotations of this start: 1 of 137
• Called 100.0% of time when present
• Phage (with cluster) where this start called: IdentityCrisis_14 (AJ),

Start 49:
• Found in 1 of 137 (0.7%) of genes in pham
• Manual Annotations of this start: 1 of 137
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Ponzi_53 (singleton),

Start 52:
• Found in 3 of 137 (2.2%) of genes in pham
• Manual Annotations of this start: 3 of 137
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Bimmel_58 (BT), Spooks_59 (BT), Success_60 (BT),

Start 55:
• Found in 1 of 137 (0.7%) of genes in pham
• Manual Annotations of this start: 1 of 137
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Zeta1847_13 (EH),

Start 61:
• Found in 6 of 137 (4.4%) of genes in pham
• Manual Annotations of this start: 6 of 137
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Emotion_14 (AZ4), JasmineDragon_14 (AZ4), MiniMommy_13 (AZ4), ShakeItOph_14 (AZ4), Soondubu_14 (AZ6), VroomVroom_14 (AZ4),

Start 62:
• Found in 87 of 137 (63.5%) of genes in pham
• Manual Annotations of this start: 87 of 137
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Adolin_14 (AZ1), Adumb2043_15 (AZ1), Amploria_15 (AZ1), Amyev_15 (AZ1), Asa16_15 (AZ1), Ascela_15 (AZ1), Ashes_15 (AZ5), Barnstormer_13 (EH), Beaupre_15 (AZ5), Berrie_15 (AZ1), Cappuccino_15 (AZ5), Caron_13 (EH), Cassia_15 (AZ1), Cen1621_13 (EH), Crewmate_16 (AZ1), Cyan_15 (AZ1), Donkey_15 (AZ5), DrManhattan_15 (AZ1), DrSierra_15 (AZ1), Elezi_15 (AZ1), Eraser_15 (AZ1), Floof_14 (EH), Forester_14 (EH), Gambol_15 (AZ5), GardenState_14 (EH), Giorgio_15 (AZ5), Gretchen_14 (EH), Gumpizza_15 (AZ5), Halsey_15 (AZ5), Honk_13 (EH), IAmGroot_14 (EH), IUFootball_14 (AZ2), Iter_15 (AZ1), IttyBittyPiggy_15 (AZ1), Janeemi_16 (AZ1), Joemato_15 (AZ1), JohnDoe_15 (AZ1), JohnThicc_14 (AZ4), JuneStar_15 (AZ1), Kalimba_15 (AZ5), Kaylissa_15 (AZ1), KeAlii_15 (AZ1), LadyAstra_14 (AZ4), Lego_15 (AZ1), Liebe_14 (AZ2), Lizalica_15 (AZ1), London_15 (AZ1), MaGuCo_14 (AZ2), Mabodamaca_14 (EH), Maureen_14 (AZ2), Moss_15 (AZ5), Mudpuppy_15 (AZ1), Mysterium_15 (AZ5), Niobe_15 (AZ1), Nitro_15 (AZ1), ObiToo_15 (AZ1), Origami_14 (AZ4), Percival_14

(EH), Phives_16 (AZ1), Pixelle_15 (AZ1), Powerpuff_15 (AZ1), Pumpkins_15 (AZ1), Reedo_15 (AZ1), RockScotty_15 (AZ5), Sabourin_15 (AZ5), Schaffner_15 (AZ1), Snek_15 (AZ3), Sooty_15 (AZ5), SpecialK_15 (AZ5), Stuu_15 (AZ5), SuMoo_13 (EH), Subaru_15 (AZ1), Sue2_15 (AZ1), SuperHands_14 (EH), Tallboi_15 (AZ1), Tbone_15 (AZ1), TforTroy_15 (AZ1), Tuck_16 (AZ1), Turab_15 (AZ1), Tutumahutu_15 (AZ1), Tweety19_15 (AZ3), UtzChips_13 (EH), VResidence_15 (AZ1), Warda_15 (AZ1), Wildwest_16 (AZ1), Yang_15 (AZ1), YesChef_15 (AZ1),

Start 63:
• Found in 2 of 137 (1.5%) of genes in pham
• Manual Annotations of this start: 2 of 137
• Called 100.0% of time when present
• Phage (with cluster) where this start called: MissSwiss_15 (AZ1), ThursdayNight_14 (AZ),

Start 66:
• Found in 2 of 137 (1.5%) of genes in pham
• Manual Annotations of this start: 1 of 137
• Called 50.0% of time when present
• Phage (with cluster) where this start called: AbbeyMikolon_14 (BL),

Start 69:
• Found in 2 of 137 (1.5%) of genes in pham
• Manual Annotations of this start: 1 of 137
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Rowa_14 (BL),

Summary by clusters:

There are 18 clusters represented in this pham: FP, singleton, AZ, EH, BL, AJ, DB, CD, BT, JN, DY, AZ1, AZ2, AZ3, AZ4, AZ5, AZ6, DW,

Info for manual annotations of cluster AJ:
•Start number 48 was manually annotated 1 time for cluster AJ.

Info for manual annotations of cluster AZ:
•Start number 63 was manually annotated 1 time for cluster AZ.

Info for manual annotations of cluster AZ1:
•Start number 62 was manually annotated 48 times for cluster AZ1.
•Start number 63 was manually annotated 1 time for cluster AZ1.

Info for manual annotations of cluster AZ2:
•Start number 62 was manually annotated 4 times for cluster AZ2.

Info for manual annotations of cluster AZ3:
•Start number 62 was manually annotated 2 times for cluster AZ3.

Info for manual annotations of cluster AZ4:
•Start number 61 was manually annotated 5 times for cluster AZ4.
•Start number 62 was manually annotated 3 times for cluster AZ4.

Info for manual annotations of cluster AZ5:

•Start number 62 was manually annotated 16 times for cluster AZ5.

Info for manual annotations of cluster AZ6:
•Start number 61 was manually annotated 1 time for cluster AZ6.

Info for manual annotations of cluster BL:
•Start number 66 was manually annotated 1 time for cluster BL.
•Start number 69 was manually annotated 1 time for cluster BL.

Info for manual annotations of cluster BT:
•Start number 52 was manually annotated 3 times for cluster BT.

Info for manual annotations of cluster CD:
•Start number 19 was manually annotated 5 times for cluster CD.

Info for manual annotations of cluster DB:
•Start number 31 was manually annotated 12 times for cluster DB.

Info for manual annotations of cluster DW:
•Start number 18 was manually annotated 1 time for cluster DW.

Info for manual annotations of cluster DY:
•Start number 19 was manually annotated 7 times for cluster DY.

Info for manual annotations of cluster EH:
•Start number 55 was manually annotated 1 time for cluster EH.
•Start number 62 was manually annotated 14 times for cluster EH.

Info for manual annotations of cluster FP:
•Start number 35 was manually annotated 3 times for cluster FP.
•Start number 36 was manually annotated 1 time for cluster FP.
•Start number 38 was manually annotated 2 times for cluster FP.

Info for manual annotations of cluster JN:
•Start number 46 was manually annotated 1 time for cluster JN.
•Start number 47 was manually annotated 1 time for cluster JN.

Gene Information:

Gene: AbbeyMikolon_14 Start: 8843, Stop: 9489, Start Num: 66
Candidate Starts for AbbeyMikolon_14:
(Start: 66 @8843 has 1 MA's), (76, 8894), (113, 9068), (118, 9089), (126, 9140), (131, 9173), (159, 9338), (181, 9455),

Gene: Adolin_14 Start: 10098, Stop: 10726, Start Num: 62
Candidate Starts for Adolin_14:
(Start: 62 @10098 has 87 MA's), (74, 10143), (114, 10329),

Gene: Adumb2043_15 Start: 10120, Stop: 10736, Start Num: 62
Candidate Starts for Adumb2043_15:
(Start: 62 @10120 has 87 MA's), (79, 10198), (106, 10315), (114, 10351),

Gene: Amploria_15 Start: 10120, Stop: 10736, Start Num: 62
Candidate Starts for Amploria_15:
(Start: 62 @10120 has 87 MA's), (79, 10198), (106, 10315), (114, 10351),

Gene: Amyev_15 Start: 10132, Stop: 10733, Start Num: 62
Candidate Starts for Amyev_15:
(Start: 62 @10132 has 87 MA's), (106, 10327),

Gene: Asa16_15 Start: 10090, Stop: 10706, Start Num: 62
Candidate Starts for Asa16_15:
(Start: 62 @10090 has 87 MA's), (106, 10285), (114, 10321),

Gene: Ascela_15 Start: 10125, Stop: 10726, Start Num: 62
Candidate Starts for Ascela_15:
(Start: 62 @10125 has 87 MA's), (106, 10320), (123, 10416),

Gene: Ashes_15 Start: 9665, Stop: 10305, Start Num: 62
Candidate Starts for Ashes_15:
(Start: 62 @9665 has 87 MA's), (94, 9806), (105, 9851), (116, 9902),

Gene: BBQValindra_15 Start: 9257, Stop: 10068, Start Num: 31
Candidate Starts for BBQValindra_15:
(Start: 31 @9257 has 12 MA's), (39, 9323), (40, 9326), (70, 9416), (79, 9476), (111, 9623), (118, 9653), (126, 9707), (130, 9737), (131, 9740),

Gene: BackstagePass_15 Start: 9234, Stop: 10060, Start Num: 31
Candidate Starts for BackstagePass_15:
(Start: 31 @9234 has 12 MA's), (39, 9300), (40, 9303), (70, 9393), (79, 9453), (118, 9630), (126, 9684), (190, 10041),

Gene: BaileyBlu_14 Start: 7870, Stop: 8609, Start Num: 38
Candidate Starts for BaileyBlu_14:
(Start: 38 @7870 has 2 MA's), (57, 7951), (108, 8146), (111, 8164), (117, 8185), (121, 8218),

Gene: Barnstormer_13 Start: 9304, Stop: 9917, Start Num: 62
Candidate Starts for Barnstormer_13:
(Start: 62 @9304 has 87 MA's), (145, 9724), (154, 9796),

Gene: Beaupre_15 Start: 9666, Stop: 10306, Start Num: 62
Candidate Starts for Beaupre_15:
(Start: 62 @9666 has 87 MA's), (94, 9807), (105, 9852), (116, 9903),

Gene: Berrie_15 Start: 10094, Stop: 10698, Start Num: 62
Candidate Starts for Berrie_15:
(Start: 62 @10094 has 87 MA's), (106, 10292), (123, 10388),

Gene: Bimmel_58 Start: 32464, Stop: 33182, Start Num: 52
Candidate Starts for Bimmel_58:
(Start: 52 @32464 has 3 MA's), (86, 32611), (89, 32617), (114, 32728), (128, 32824), (131, 32839), (138, 32887), (149, 32953), (154, 32989), (157, 33004), (163, 33043), (166, 33064), (188, 33160),

Gene: Bunker_15 Start: 9257, Stop: 10068, Start Num: 31

Candidate Starts for Bunker_15:
(Start: 31 @9257 has 12 MA's), (39, 9323), (40, 9326), (64, 9395), (70, 9416), (88, 9521), (104, 9578), (111, 9623), (118, 9653), (126, 9707),

Gene: CallinAllBarbz_14 Start: 7880, Stop: 8628, Start Num: 38
Candidate Starts for CallinAllBarbz_14:
(Start: 38 @7880 has 2 MA's), (111, 8183), (113, 8189), (117, 8204), (121, 8237),

Gene: Cappuccino_15 Start: 9570, Stop: 10210, Start Num: 62
Candidate Starts for Cappuccino_15:
(Start: 62 @9570 has 87 MA's), (85, 9684), (94, 9711), (105, 9756), (116, 9807),

Gene: Caron_13 Start: 9346, Stop: 9959, Start Num: 62
Candidate Starts for Caron_13:
(Start: 62 @9346 has 87 MA's), (154, 9838),

Gene: Cassia_15 Start: 10208, Stop: 10809, Start Num: 62
Candidate Starts for Cassia_15:
(Start: 62 @10208 has 87 MA's), (106, 10400), (113, 10433), (123, 10496),

Gene: Cen1621_13 Start: 8442, Stop: 9049, Start Num: 62
Candidate Starts for Cen1621_13:
(Start: 62 @8442 has 87 MA's), (80, 8526), (114, 8676), (123, 8736), (147, 8883), (149, 8892),

Gene: Crewmate_16 Start: 10566, Stop: 11167, Start Num: 62
Candidate Starts for Crewmate_16:
(Start: 62 @10566 has 87 MA's), (74, 10611), (106, 10761), (123, 10857),

Gene: Cyan_15 Start: 10113, Stop: 10717, Start Num: 62
Candidate Starts for Cyan_15:
(Start: 62 @10113 has 87 MA's), (81, 10200), (106, 10311), (113, 10344), (114, 10347), (123, 10407), (169, 10674),

Gene: DirtyBoi_16 Start: 9613, Stop: 10517, Start Num: 31
Candidate Starts for DirtyBoi_16:
(Start: 31 @9613 has 12 MA's), (60, 9817), (74, 9877), (78, 9898), (79, 9910), (85, 9946), (88, 9955), (97, 9982), (126, 10141), (158, 10333), (175, 10429),

Gene: Donkey_15 Start: 9570, Stop: 10210, Start Num: 62
Candidate Starts for Donkey_15:
(44, 9507), (Start: 62 @9570 has 87 MA's), (94, 9711), (105, 9756), (116, 9807),

Gene: DonkeyMan_15 Start: 8928, Stop: 9955, Start Num: 19
Candidate Starts for DonkeyMan_15:
(Start: 19 @8928 has 12 MA's), (24, 9024), (50, 9225), (75, 9324), (80, 9357), (98, 9426), (102, 9447), (133, 9621), (164, 9828), (189, 9948),

Gene: DrManhattan_15 Start: 10088, Stop: 10716, Start Num: 62
Candidate Starts for DrManhattan_15:
(Start: 62 @10088 has 87 MA's), (74, 10133), (114, 10319),

Gene: DrSierra_15 Start: 10119, Stop: 10744, Start Num: 62
Candidate Starts for DrSierra_15:

(Start: 62 @10119 has 87 MA's), (74, 10164), (80, 10200), (106, 10314), (114, 10350),

Gene: Elezi_15 Start: 10091, Stop: 10707, Start Num: 62
Candidate Starts for Elezi_15:
(Start: 62 @10091 has 87 MA's), (106, 10286), (114, 10322),

Gene: Elfy_13 Start: 7813, Stop: 8546, Start Num: 36
Candidate Starts for Elfy_13:
(Start: 36 @7813 has 1 MA's), (53, 7894), (56, 7906), (58, 7918), (77, 7987), (108, 8101), (111, 8119), (117, 8140), (120, 8167), (121, 8173), (129, 8230), (137, 8281),

Gene: Emotion_14 Start: 8425, Stop: 9035, Start Num: 61
Candidate Starts for Emotion_14:
(45, 8359), (Start: 61 @8425 has 6 MA's), (72, 8458), (113, 8650), (126, 8725),

Gene: Eraser_15 Start: 10091, Stop: 10707, Start Num: 62
Candidate Starts for Eraser_15:
(Start: 62 @10091 has 87 MA's), (106, 10286), (114, 10322),

Gene: Eyes_15 Start: 9267, Stop: 10099, Start Num: 31
Candidate Starts for Eyes_15:
(Start: 31 @9267 has 12 MA's), (39, 9336), (40, 9339), (70, 9432), (73, 9456), (79, 9492), (88, 9537), (104, 9594), (110, 9636), (111, 9639), (112, 9642), (118, 9669), (126, 9723), (148, 9858), (179, 10026),

Gene: Floof_14 Start: 8909, Stop: 9522, Start Num: 62
Candidate Starts for Floof_14:
(Start: 62 @8909 has 87 MA's), (84, 9026), (113, 9143), (116, 9152), (156, 9410), (172, 9491),

Gene: Forester_14 Start: 10441, Stop: 11054, Start Num: 62
Candidate Starts for Forester_14:
(Start: 62 @10441 has 87 MA's), (108, 10654), (113, 10675), (125, 10747), (126, 10750),

Gene: GEazy_15 Start: 9276, Stop: 10090, Start Num: 31
Candidate Starts for GEazy_15:
(Start: 31 @9276 has 12 MA's), (39, 9345), (40, 9348), (70, 9438), (79, 9498), (88, 9543), (104, 9600), (111, 9645), (126, 9729), (162, 9954),

Gene: Gambol_15 Start: 9570, Stop: 10210, Start Num: 62
Candidate Starts for Gambol_15:
(44, 9507), (Start: 62 @9570 has 87 MA's), (94, 9711), (105, 9756), (116, 9807),

Gene: GardenState_14 Start: 9573, Stop: 10186, Start Num: 62
Candidate Starts for GardenState_14:
(Start: 62 @9573 has 87 MA's), (96, 9726), (116, 9816), (145, 9993),

Gene: Giorgio_15 Start: 9673, Stop: 10313, Start Num: 62
Candidate Starts for Giorgio_15:
(Start: 62 @9673 has 87 MA's), (94, 9814), (105, 9859), (108, 9880), (116, 9910), (120, 9943),

Gene: Gretchen_14 Start: 10435, Stop: 11048, Start Num: 62
Candidate Starts for Gretchen_14:
(Start: 62 @10435 has 87 MA's), (108, 10648), (113, 10669), (125, 10741), (126, 10744),

Gene: GrimEater_14 Start: 7885, Stop: 8636, Start Num: 35
Candidate Starts for GrimEater_14:
(Start: 35 @7885 has 3 MA's), (57, 7984), (108, 8176), (111, 8194), (117, 8215), (121, 8248), (126, 8275),

Gene: Gumpizza_15 Start: 9666, Stop: 10306, Start Num: 62
Candidate Starts for Gumpizza_15:
(Start: 62 @9666 has 87 MA's), (94, 9807), (105, 9852), (116, 9903),

Gene: Halsey_15 Start: 9665, Stop: 10305, Start Num: 62
Candidate Starts for Halsey_15:
(Start: 62 @9665 has 87 MA's), (94, 9806), (105, 9851), (116, 9902),

Gene: HannahD_15 Start: 9276, Stop: 10090, Start Num: 31
Candidate Starts for HannahD_15:
(Start: 31 @9276 has 12 MA's), (39, 9345), (40, 9348), (70, 9438), (79, 9498), (88, 9543), (104, 9600), (111, 9645), (126, 9729), (162, 9954),

Gene: Heinz_15 Start: 8959, Stop: 9896, Start Num: 19
Candidate Starts for Heinz_15:
(1, 7540), (2, 7555), (3, 7579), (4, 7678), (5, 7738), (6, 7918), (7, 7987), (8, 8092), (9, 8146), (10, 8170), (13, 8551), (14, 8572), (Start: 19 @8959 has 12 MA's), (51, 9166), (75, 9265), (80, 9298), (98, 9367), (102, 9388), (135, 9577), (164, 9769), (173, 9820), (180, 9850), (189, 9889),

Gene: Hibiscus_15 Start: 8943, Stop: 9913, Start Num: 19
Candidate Starts for Hibiscus_15:
(11, 8517), (12, 8526), (Start: 19 @8943 has 12 MA's), (27, 9048), (50, 9192), (75, 9282), (80, 9315), (99, 9387), (102, 9405), (164, 9786), (173, 9837), (189, 9906),

Gene: Honk_13 Start: 8396, Stop: 9000, Start Num: 62
Candidate Starts for Honk_13:
(Start: 62 @8396 has 87 MA's), (101, 8558), (123, 8687),

Gene: IAmGroot_14 Start: 10217, Stop: 10830, Start Num: 62
Candidate Starts for IAmGroot_14:
(Start: 62 @10217 has 87 MA's), (96, 10370), (116, 10460), (145, 10637),

Gene: IUFootball_14 Start: 8595, Stop: 9193, Start Num: 62
Candidate Starts for IUFootball_14:
(Start: 62 @8595 has 87 MA's), (95, 8739), (123, 8886), (140, 8994),

Gene: Ibantik_78 Start: 36465, Stop: 37210, Start Num: 46
Candidate Starts for Ibantik_78:
(Start: 46 @36465 has 1 MA's), (80, 36606), (84, 36633), (101, 36681), (115, 36759), (122, 36816), (156, 37032), (165, 37083),

Gene: IdentityCrisis_14 Start: 9415, Stop: 10118, Start Num: 48
Candidate Starts for IdentityCrisis_14:
(37, 9364), (Start: 48 @9415 has 1 MA's), (74, 9520), (83, 9571), (86, 9589), (119, 9721), (124, 9760), (138, 9850), (148, 9904), (154, 9946), (187, 10108),

Gene: Iter_15 Start: 10125, Stop: 10726, Start Num: 62
Candidate Starts for Iter_15:

(Start: 62 @10125 has 87 MA's), (106, 10320), (123, 10416),

Gene: IttyBittyPiggy_15 Start: 10108, Stop: 10706, Start Num: 62
Candidate Starts for IttyBittyPiggy_15:
(Start: 62 @10108 has 87 MA's), (106, 10297), (123, 10393), (132, 10447),

Gene: Janeemi_16 Start: 11204, Stop: 11808, Start Num: 62
Candidate Starts for Janeemi_16:
(Start: 62 @11204 has 87 MA's), (106, 11402), (123, 11498),

Gene: Jankie_14 Start: 7884, Stop: 8635, Start Num: 35
Candidate Starts for Jankie_14:
(Start: 35 @7884 has 3 MA's), (57, 7983), (108, 8175), (111, 8193), (117, 8214), (121, 8247), (126, 8274),

Gene: JasmineDragon_14 Start: 8354, Stop: 8961, Start Num: 61
Candidate Starts for JasmineDragon_14:
(Start: 61 @8354 has 6 MA's), (132, 8696),

Gene: Joemato_15 Start: 10113, Stop: 10717, Start Num: 62
Candidate Starts for Joemato_15:
(Start: 62 @10113 has 87 MA's), (81, 10200), (106, 10311), (113, 10344), (114, 10347), (123, 10407), (169, 10674),

Gene: JohnDoe_15 Start: 10108, Stop: 10712, Start Num: 62
Candidate Starts for JohnDoe_15:
(Start: 62 @10108 has 87 MA's), (81, 10195), (106, 10306), (113, 10339), (114, 10342), (123, 10402), (169, 10669),

Gene: JohnThicc_14 Start: 8357, Stop: 8964, Start Num: 62
Candidate Starts for JohnThicc_14:
(Start: 62 @8357 has 87 MA's), (155, 8843),

Gene: Jojo24_15 Start: 8937, Stop: 9907, Start Num: 19
Candidate Starts for Jojo24_15:
(Start: 19 @8937 has 12 MA's), (27, 9042), (50, 9186), (75, 9276), (80, 9309), (99, 9381), (102, 9399), (164, 9780), (173, 9831), (189, 9900),

Gene: JuneStar_15 Start: 10206, Stop: 10807, Start Num: 62
Candidate Starts for JuneStar_15:
(Start: 62 @10206 has 87 MA's), (106, 10398),

Gene: Kalimba_15 Start: 9571, Stop: 10211, Start Num: 62
Candidate Starts for Kalimba_15:
(Start: 62 @9571 has 87 MA's), (94, 9712), (105, 9757), (116, 9808),

Gene: Kaylissa_15 Start: 10114, Stop: 10718, Start Num: 62
Candidate Starts for Kaylissa_15:
(Start: 62 @10114 has 87 MA's), (81, 10201), (106, 10312), (113, 10345), (114, 10348), (123, 10408), (169, 10675),

Gene: KeAlii_15 Start: 10157, Stop: 10758, Start Num: 62
Candidate Starts for KeAlii_15:

(Start: 62 @10157 has 87 MA's), (80, 10238), (103, 10334), (106, 10352), (135, 10520),

Gene: Kiko_15 Start: 9515, Stop: 10383, Start Num: 31
Candidate Starts for Kiko_15:
(23, 9458), (27, 9494), (28, 9497), (Start: 31 @9515 has 12 MA's), (76, 9752), (79, 9776), (85, 9812), (88, 9821), (90, 9824), (99, 9854), (108, 9905), (118, 9953), (124, 10001), (126, 10007), (131, 10040), (137, 10085), (175, 10295),

Gene: LadyAstra_14 Start: 8357, Stop: 8964, Start Num: 62
Candidate Starts for LadyAstra_14:
(Start: 62 @8357 has 87 MA's), (155, 8843),

Gene: Lego_15 Start: 10113, Stop: 10717, Start Num: 62
Candidate Starts for Lego_15:
(26, 9882), (42, 10044), (Start: 62 @10113 has 87 MA's), (106, 10311), (113, 10344), (114, 10347), (123, 10407), (169, 10674),

Gene: Liebe_14 Start: 8595, Stop: 9193, Start Num: 62
Candidate Starts for Liebe_14:
(Start: 62 @8595 has 87 MA's), (95, 8739), (123, 8886), (140, 8994),

Gene: LisoBros_14 Start: 8153, Stop: 8907, Start Num: 35
Candidate Starts for LisoBros_14:
(Start: 35 @8153 has 3 MA's), (77, 8327), (100, 8399), (108, 8444), (111, 8462), (117, 8483), (121, 8516), (126, 8543), (137, 8624), (142, 8651),

Gene: Lizalica_15 Start: 10098, Stop: 10702, Start Num: 62
Candidate Starts for Lizalica_15:
(Start: 62 @10098 has 87 MA's), (106, 10296), (113, 10329), (114, 10332), (123, 10392),

Gene: London_15 Start: 10091, Stop: 10707, Start Num: 62
Candidate Starts for London_15:
(Start: 62 @10091 has 87 MA's), (106, 10286), (114, 10322),

Gene: MaGuCo_14 Start: 8529, Stop: 9127, Start Num: 62
Candidate Starts for MaGuCo_14:
(Start: 62 @8529 has 87 MA's), (95, 8673), (123, 8820), (140, 8928),

Gene: Mabodamaca_14 Start: 9642, Stop: 10255, Start Num: 62
Candidate Starts for Mabodamaca_14:
(Start: 62 @9642 has 87 MA's), (96, 9795), (113, 9876), (145, 10062),

Gene: MagicMan_15 Start: 9597, Stop: 10435, Start Num: 31
Candidate Starts for MagicMan_15:
(Start: 31 @9597 has 12 MA's), (39, 9666), (40, 9669), (70, 9768), (73, 9792), (79, 9828), (88, 9873), (110, 9972), (111, 9975), (112, 9978), (118, 10005), (126, 10059), (190, 10416),

Gene: Malibo_17 Start: 9627, Stop: 10582, Start Num: 18
Candidate Starts for Malibo_17:
(Start: 18 @9627 has 1 MA's), (41, 9828), (71, 9936), (75, 9963), (107, 10107),

Gene: Maureen_14 Start: 8595, Stop: 9193, Start Num: 62
Candidate Starts for Maureen_14:

(Start: 62 @8595 has 87 MA's), (95, 8739), (123, 8886), (140, 8994),

Gene: MiniMommy_13 Start: 8355, Stop: 8962, Start Num: 61
Candidate Starts for MiniMommy_13:
(Start: 61 @8355 has 6 MA's), (132, 8697),

Gene: MissSwiss_15 Start: 10094, Stop: 10716, Start Num: 63
Candidate Starts for MissSwiss_15:
(Start: 63 @10094 has 2 MA's), (74, 10136), (109, 10304),

Gene: Morrissey_16 Start: 9186, Stop: 10171, Start Num: 19
Candidate Starts for Morrissey_16:
(Start: 19 @9186 has 12 MA's), (21, 9228), (30, 9300), (32, 9306), (33, 9315), (59, 9471), (68, 9495), (Start: 69 @9498 has 1 MA's), (135, 9822), (136, 9837), (144, 9903), (170, 10086), (189, 10161),

Gene: Moss_15 Start: 9665, Stop: 10305, Start Num: 62
Candidate Starts for Moss_15:
(Start: 62 @9665 has 87 MA's), (94, 9806), (105, 9851), (116, 9902), (156, 10157),

Gene: Mudpuppy_15 Start: 10112, Stop: 10716, Start Num: 62
Candidate Starts for Mudpuppy_15:
(Start: 62 @10112 has 87 MA's), (106, 10310), (113, 10343), (114, 10346), (123, 10406), (146, 10550),

Gene: Mysterium_15 Start: 9666, Stop: 10306, Start Num: 62
Candidate Starts for Mysterium_15:
(Start: 62 @9666 has 87 MA's), (94, 9807), (105, 9852), (116, 9903),

Gene: Niobe_15 Start: 10091, Stop: 10707, Start Num: 62
Candidate Starts for Niobe_15:
(Start: 62 @10091 has 87 MA's), (106, 10286), (114, 10322),

Gene: Nitro_15 Start: 10114, Stop: 10715, Start Num: 62
Candidate Starts for Nitro_15:
(Start: 62 @10114 has 87 MA's), (106, 10309), (114, 10345),

Gene: ObiToo_15 Start: 10303, Stop: 10904, Start Num: 62
Candidate Starts for ObiToo_15:
(Start: 62 @10303 has 87 MA's), (74, 10348), (106, 10498), (123, 10594),

Gene: Opie_15 Start: 9611, Stop: 10443, Start Num: 31
Candidate Starts for Opie_15:
(Start: 31 @9611 has 12 MA's), (39, 9680), (40, 9683), (70, 9776), (73, 9800), (79, 9836), (88, 9881), (104, 9938), (110, 9980), (111, 9983), (112, 9986), (118, 10013), (126, 10067), (148, 10202), (179, 10370),

Gene: Origami_14 Start: 8357, Stop: 8964, Start Num: 62
Candidate Starts for Origami_14:
(Start: 62 @8357 has 87 MA's), (155, 8843),

Gene: Percival_14 Start: 10269, Stop: 10882, Start Num: 62
Candidate Starts for Percival_14:
(Start: 62 @10269 has 87 MA's), (108, 10482), (113, 10503), (125, 10575), (126, 10578),

Gene: Phives_16 Start: 11192, Stop: 11793, Start Num: 62
Candidate Starts for Phives_16:
(Start: 62 @11192 has 87 MA's), (106, 11387),

Gene: Pixelle_15 Start: 10135, Stop: 10736, Start Num: 62
Candidate Starts for Pixelle_15:
(Start: 62 @10135 has 87 MA's), (80, 10216), (106, 10330),

Gene: Ponzi_53 Start: 29867, Stop: 30597, Start Num: 49
Candidate Starts for Ponzi_53:
(45, 29849), (Start: 49 @29867 has 1 MA's), (83, 30020), (86, 30038), (87, 30041), (134, 30269), (157, 30413), (163, 30452), (175, 30512), (176, 30518), (182, 30545),

Gene: Powerpuff_15 Start: 10164, Stop: 10768, Start Num: 62
Candidate Starts for Powerpuff_15:
(26, 9933), (42, 10095), (Start: 62 @10164 has 87 MA's), (106, 10362), (113, 10395), (114, 10398), (123, 10458), (169, 10725),

Gene: Pumpkins_15 Start: 10215, Stop: 10819, Start Num: 62
Candidate Starts for Pumpkins_15:
(Start: 62 @10215 has 87 MA's), (106, 10410), (113, 10443), (123, 10506),

Gene: Puppers_15 Start: 8726, Stop: 9696, Start Num: 19
Candidate Starts for Puppers_15:
(15, 8477), (Start: 19 @8726 has 12 MA's), (21, 8768), (22, 8795), (25, 8813), (68, 9023), (72, 9047), (85, 9122), (102, 9167), (103, 9170), (189, 9686),

Gene: Reedo_15 Start: 10171, Stop: 10784, Start Num: 62
Candidate Starts for Reedo_15:
(Start: 62 @10171 has 87 MA's), (80, 10249), (106, 10363), (123, 10459),

Gene: Reyja_16 Start: 9079, Stop: 10085, Start Num: 19
Candidate Starts for Reyja_16:
(Start: 19 @9079 has 12 MA's), (24, 9184), (40, 9319), (50, 9364), (75, 9454), (102, 9577), (164, 9958), (173, 10009), (180, 10039), (189, 10078),

Gene: RockScotty_15 Start: 9665, Stop: 10305, Start Num: 62
Candidate Starts for RockScotty_15:
(Start: 62 @9665 has 87 MA's), (94, 9806), (105, 9851), (116, 9902), (156, 10157),

Gene: Rowa_14 Start: 8677, Stop: 9314, Start Num: 69
Candidate Starts for Rowa_14:
(65, 8662), (Start: 69 @8677 has 1 MA's), (92, 8800), (108, 8869), (118, 8911), (123, 8950), (125, 8959), (127, 8968), (131, 8995), (133, 9004), (155, 9145), (161, 9175), (174, 9244),

Gene: RunningOnE_71 Start: 35204, Stop: 35946, Start Num: 47
Candidate Starts for RunningOnE_71:
(Start: 47 @35204 has 1 MA's), (80, 35339), (84, 35366), (93, 35393), (147, 35705), (153, 35738), (156, 35759), (170, 35849), (185, 35906),

Gene: Sabourin_15 Start: 9570, Stop: 10210, Start Num: 62
Candidate Starts for Sabourin_15:
(Start: 62 @9570 has 87 MA's), (94, 9711), (105, 9756), (116, 9807),

Gene: Santhid_15 Start: 8945, Stop: 9915, Start Num: 19
Candidate Starts for Santhid_15:
(Start: 19 @8945 has 12 MA's), (50, 9194), (75, 9284), (80, 9317), (99, 9389), (102, 9407), (164, 9788), (173, 9839), (189, 9908),

Gene: Schaffner_15 Start: 10202, Stop: 10806, Start Num: 62
Candidate Starts for Schaffner_15:
(Start: 62 @10202 has 87 MA's), (106, 10397), (113, 10430),

Gene: Schnabeltier_15 Start: 9598, Stop: 10436, Start Num: 31
Candidate Starts for Schnabeltier_15:
(Start: 31 @9598 has 12 MA's), (39, 9667), (40, 9670), (70, 9769), (73, 9793), (79, 9829), (88, 9874), (110, 9973), (111, 9976), (112, 9979), (118, 10006), (126, 10060), (190, 10417),

Gene: ShakeItOph_14 Start: 8354, Stop: 8961, Start Num: 61
Candidate Starts for ShakeItOph_14:
(Start: 61 @8354 has 6 MA's), (132, 8696),

Gene: Shambre1_16 Start: 10117, Stop: 10979, Start Num: 29
Candidate Starts for Shambre1_16:
(Start: 29 @10117 has 1 MA's), (77, 10390), (101, 10477), (110, 10537), (117, 10561), (139, 10711), (151, 10798), (154, 10822), (168, 10912), (171, 10924), (177, 10939),

Gene: Snek_15 Start: 9207, Stop: 9826, Start Num: 62
Candidate Starts for Snek_15:
(Start: 62 @9207 has 87 MA's), (74, 9252), (85, 9321), (123, 9498), (132, 9552), (178, 9795),

Gene: Soondubu_14 Start: 10020, Stop: 10639, Start Num: 61
Candidate Starts for Soondubu_14:
(Start: 61 @10020 has 6 MA's), (174, 10602),

Gene: Sooty_15 Start: 9572, Stop: 10212, Start Num: 62
Candidate Starts for Sooty_15:
(Start: 62 @9572 has 87 MA's), (94, 9713), (105, 9758), (116, 9809), (167, 10130),

Gene: SpecialK_15 Start: 9572, Stop: 10212, Start Num: 62
Candidate Starts for SpecialK_15:
(Start: 62 @9572 has 87 MA's), (94, 9713), (105, 9758), (116, 9809),

Gene: Spooks_59 Start: 33765, Stop: 34483, Start Num: 52
Candidate Starts for Spooks_59:
(Start: 52 @33765 has 3 MA's), (86, 33912), (89, 33918), (114, 34029), (120, 34071), (128, 34125), (131, 34140), (152, 34272), (154, 34290), (157, 34305), (163, 34344), (166, 34365), (188, 34461),

Gene: Stuu_15 Start: 9665, Stop: 10305, Start Num: 62
Candidate Starts for Stuu_15:
(Start: 62 @9665 has 87 MA's), (94, 9806), (105, 9851), (116, 9902), (120, 9935),

Gene: SuMoo_13 Start: 8599, Stop: 9212, Start Num: 62
Candidate Starts for SuMoo_13:
(Start: 62 @8599 has 87 MA's), (96, 8752), (113, 8833), (145, 9019),

Gene: Subaru_15 Start: 10091, Stop: 10707, Start Num: 62
Candidate Starts for Subaru_15:
(Start: 62 @10091 has 87 MA's), (106, 10286), (114, 10322),

Gene: Success_60 Start: 32884, Stop: 33602, Start Num: 52
Candidate Starts for Success_60:
(Start: 52 @32884 has 3 MA's), (86, 33031), (89, 33037), (114, 33148), (128, 33244), (131, 33259), (137, 33304), (149, 33373), (154, 33409), (157, 33424), (163, 33463), (166, 33484), (183, 33553), (184, 33556), (188, 33580),

Gene: Sue2_15 Start: 10128, Stop: 10759, Start Num: 62
Candidate Starts for Sue2_15:
(Start: 62 @10128 has 87 MA's), (72, 10158), (186, 10752),

Gene: SuperHands_14 Start: 10441, Stop: 11054, Start Num: 62
Candidate Starts for SuperHands_14:
(Start: 62 @10441 has 87 MA's), (108, 10654), (113, 10675), (125, 10747), (126, 10750),

Gene: Tallboi_15 Start: 10118, Stop: 10734, Start Num: 62
Candidate Starts for Tallboi_15:
(Start: 62 @10118 has 87 MA's), (106, 10313), (114, 10349), (123, 10409),

Gene: TaronosaurasRx_15 Start: 9610, Stop: 10442, Start Num: 31
Candidate Starts for TaronosaurasRx_15:
(Start: 31 @9610 has 12 MA's), (39, 9679), (70, 9775), (79, 9835), (105, 9943), (118, 10012), (126, 10066), (179, 10369), (190, 10423),

Gene: Tarzan_15 Start: 8933, Stop: 9960, Start Num: 19
Candidate Starts for Tarzan_15:
(Start: 19 @8933 has 12 MA's), (24, 9029), (50, 9230), (75, 9329), (80, 9362), (98, 9431), (102, 9452), (160, 9812), (164, 9833), (189, 9953),

Gene: Tbone_15 Start: 10117, Stop: 10721, Start Num: 62
Candidate Starts for Tbone_15:
(17, 9646), (Start: 62 @10117 has 87 MA's), (106, 10315), (113, 10348), (114, 10351), (123, 10411),

Gene: TforTroy_15 Start: 10233, Stop: 10837, Start Num: 62
Candidate Starts for TforTroy_15:
(Start: 62 @10233 has 87 MA's), (106, 10428), (113, 10461),

Gene: ThursdayNight_14 Start: 8624, Stop: 9237, Start Num: 63
Candidate Starts for ThursdayNight_14:
(Start: 63 @8624 has 2 MA's), (85, 8732), (116, 8855),

Gene: Trine_15 Start: 8732, Stop: 9684, Start Num: 19
Candidate Starts for Trine_15:
(Start: 19 @8732 has 12 MA's), (20, 8768), (34, 8867), (54, 8948), (Start: 66 @8996 has 1 MA's), (68, 9002), (77, 9053), (82, 9077), (131, 9305), (135, 9329), (189, 9668),

Gene: Tuck_16 Start: 11156, Stop: 11760, Start Num: 62
Candidate Starts for Tuck_16:
(Start: 62 @11156 has 87 MA's), (106, 11354), (123, 11450),

Gene: Turab_15 Start: 10120, Stop: 10736, Start Num: 62
Candidate Starts for Turab_15:
(Start: 62 @10120 has 87 MA's), (79, 10198), (106, 10315), (114, 10351),

Gene: Tutumahutu_15 Start: 10164, Stop: 10768, Start Num: 62
Candidate Starts for Tutumahutu_15:
(26, 9933), (42, 10095), (Start: 62 @10164 has 87 MA's), (106, 10362), (113, 10395), (114, 10398), (123, 10458), (169, 10725),

Gene: Tweety19_15 Start: 9206, Stop: 9825, Start Num: 62
Candidate Starts for Tweety19_15:
(Start: 62 @9206 has 87 MA's), (74, 9251), (85, 9320), (123, 9497), (132, 9551), (178, 9794),

Gene: Upyo_15 Start: 8842, Stop: 9809, Start Num: 19
Candidate Starts for Upyo_15:
(16, 8647), (Start: 19 @8842 has 12 MA's), (53, 9082), (64, 9121), (67, 9130), (79, 9199), (85, 9232), (91, 9253), (135, 9460), (141, 9526), (143, 9538), (189, 9799),

Gene: UtzChips_13 Start: 9292, Stop: 9905, Start Num: 62
Candidate Starts for UtzChips_13:
(Start: 62 @9292 has 87 MA's), (145, 9712), (154, 9784),

Gene: VResidence_15 Start: 10200, Stop: 10816, Start Num: 62
Candidate Starts for VResidence_15:
(44, 10125), (Start: 62 @10200 has 87 MA's), (81, 10281), (113, 10425), (123, 10488), (177, 10788),

Gene: VroomVroom_14 Start: 8366, Stop: 8973, Start Num: 61
Candidate Starts for VroomVroom_14:
(Start: 61 @8366 has 6 MA's), (150, 8813),

Gene: Warda_15 Start: 10109, Stop: 10713, Start Num: 62
Candidate Starts for Warda_15:
(Start: 62 @10109 has 87 MA's), (106, 10307), (113, 10340), (114, 10343), (123, 10403), (146, 10547),

Gene: Widow_15 Start: 8717, Stop: 9687, Start Num: 19
Candidate Starts for Widow_15:
(15, 8468), (Start: 19 @8717 has 12 MA's), (21, 8759), (22, 8786), (25, 8804), (43, 8918), (68, 9014), (72, 9038), (85, 9113), (102, 9158), (103, 9161), (189, 9677),

Gene: Wildwest_16 Start: 11039, Stop: 11667, Start Num: 62
Candidate Starts for Wildwest_16:
(Start: 62 @11039 has 87 MA's), (74, 11084), (80, 11120), (106, 11234),

Gene: Yang_15 Start: 10203, Stop: 10807, Start Num: 62
Candidate Starts for Yang_15:
(Start: 62 @10203 has 87 MA's), (106, 10398), (113, 10431),

Gene: YesChef_15 Start: 10164, Stop: 10768, Start Num: 62
Candidate Starts for YesChef_15:
(26, 9933), (42, 10095), (Start: 62 @10164 has 87 MA's), (106, 10362), (113, 10395), (114, 10398), (123, 10458), (169, 10725),

Gene: Zeta1847_13 Start: 8400, Stop: 9055, Start Num: 55

Candidate Starts for Zeta1847_13:
(Start: 55 @8400 has 1 MA's),