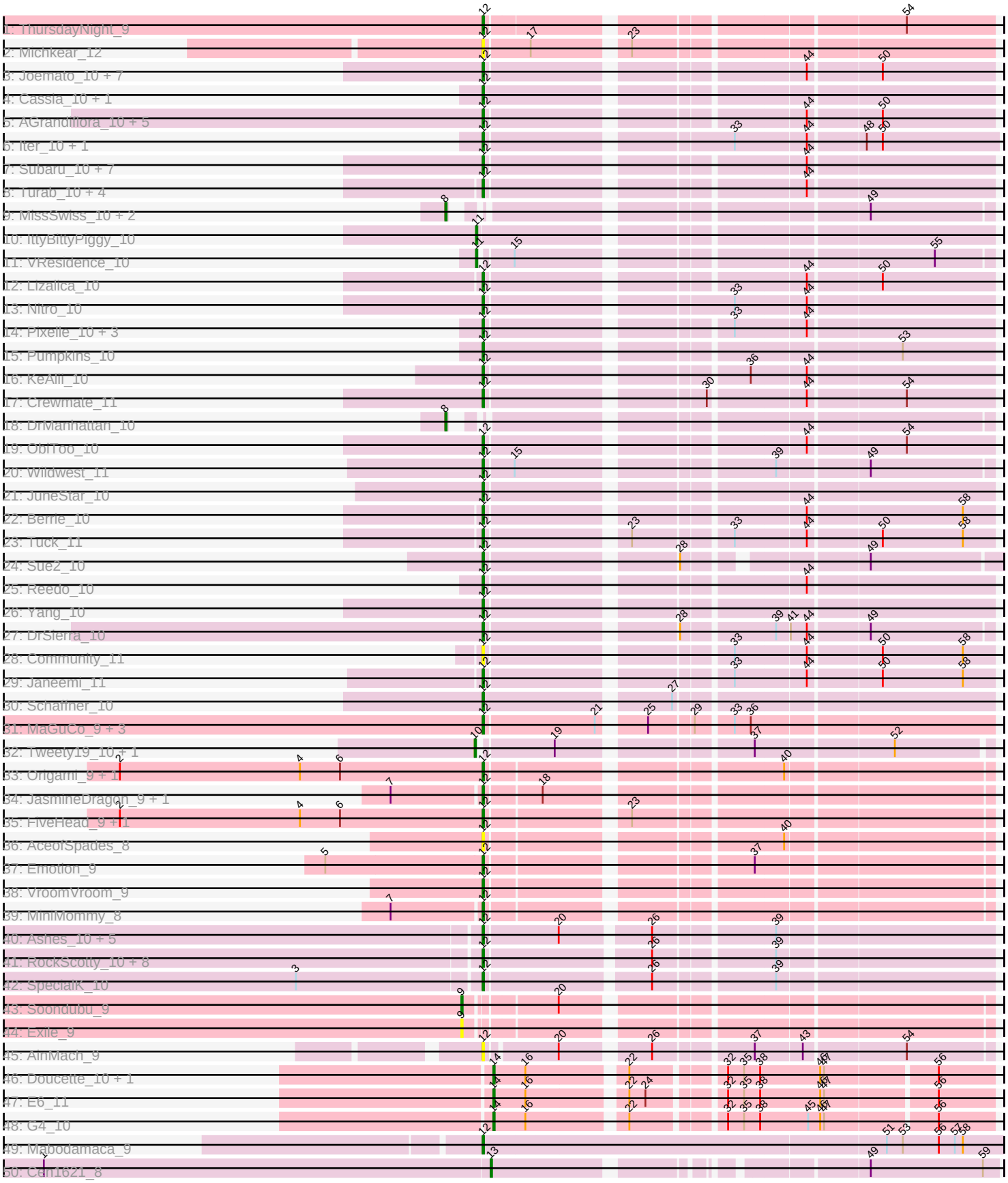
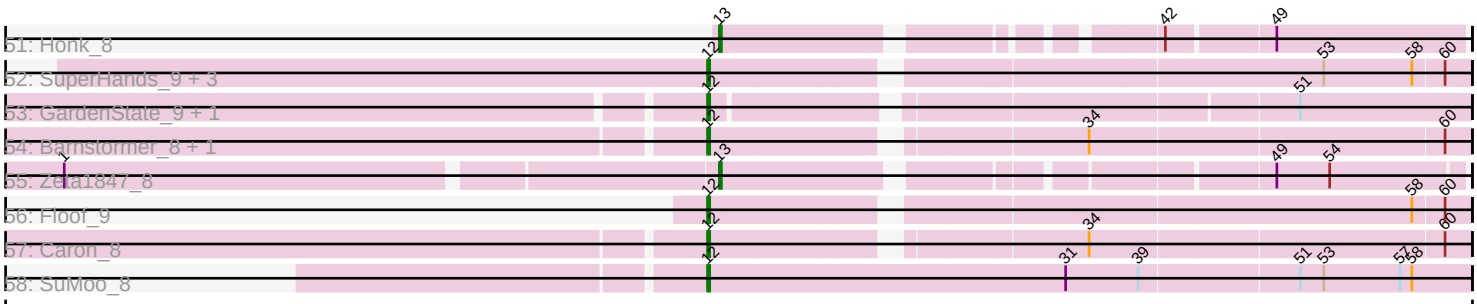
Pham 347426


1: ThursdayNight_9
2: Michkear_12
3: Joemato_10 + 7
4: Cassia_10 + 1
5: AGrandMora_10 + 5
6: Iter_10 + 1
7: Subaru_10 + 7
8: Turab_10 + 4
9: MissSwiss_10 + 2
10: IttyBittyPiggy_10
11: VResidence_10
12: Lizalica_10
13: Nitro_10
14: Pixelle_10 + 3
15: Pumpkins_10
16: KeAm_10
17: Crewmate_11
18: DrManhattan_10
19: ObiToo_10
20: Wildwest_11
21: JuneStar_10
22: Bernie_10
23: Tuck_11
24: Sue2_10
25: Reedo_10
26: Yang_10
27: DrSierra_10
28: Community_11
29: Janeemi_11
30: Schaffner_10
31: MaGuCo_9 + 3
32: Tweety19_10 + 1
33: Origami_9 + 1
34: JasmineDragon_9 + 1
35: FiveHead_9 + 1
36: AceofSpades_8
37: Emotion_9
38: VroomVroom_9
39: MiniMommy_8
40: Ashes_10 + 5
41: RockScotty_10 + 8
42: SpecialK_10
43: Soondubu_9
44: Exile_9
45: AimMach_9
46: Doucette_10 + 1
47: E6_11
48: G4_10
49: Maboodamaca_9
50: Cam1621_8

Pham 347426


51: Honk_8
52: SuperHands_9 + 3
53: GardenState_9 + 1
54: Barnstormer_8 + 1
55: Zeta1847_8
56: Floof_9
57: Caron_8
58: SuMoo_8

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 347426 Report

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

Pham number 347426 has 114 members, 14 are drafts.

Phages represented in each track:
- Track 1 : ThursdayNight_9
- Track 2 : Michkear_12
- Track 3 : Joemato_10, JohnDoe_10, Simpson_11, Kaylissa_10, Warda_10, Tbone_10, Cyan_10, Mudpuppy_10
- Track 4 : Cassia_10, TforTroy_10
- Track 5 : AGrandiflora_10, Lego_10, YesChef_10, Flutur_10, Tutumahutu_10, Powerpuff_10
- Track 6 : Iter_10, Ascela_10
- Track 7 : Subaru_10, Elezi_10, Jstan_10, London_10, Eraser_10, Niobe_10, Skelbel_10, Asa16_10
- Track 8 : Turab_10, Tallboi_10, Adumb2043_10, Amploria_10, AEgle_10
- Track 9 : MissSwiss_10, Adolin_10, PandaPo_10
- Track 10 : IttyBittyPiggy_10
- Track 11 : VResidence_10
- Track 12 : Lizalica_10
- Track 13 : Nitro_10
- Track 14 : Pixelle_10, Tian_10, Amyev_10, Phives_11
- Track 15 : Pumpkins_10
- Track 16 : KeAlii_10
- Track 17 : Crewmate_11
- Track 18 : DrManhattan_10
- Track 19 : ObiToo_10
- Track 20 : Wildwest_11
- Track 21 : JuneStar_10
- Track 22 : Berrie_10
- Track 23 : Tuck_11
- Track 24 : Sue2_10
- Track 25 : Reedo_10
- Track 26 : Yang_10
- Track 27 : DrSierra_10
- Track 28 : Community_11
- Track 29 : Janeemi_11
- Track 30 : Schaffner_10
- Track 31 : MaGuCo_9, IUFootball_9, Liebe_9, Maureen_9
- Track 32 : Tweety19_10, Snek_10
- Track 33 : Origami_9, LadyAstra_9
- Track 34 : JasmineDragon_9, ShakeItOph_9

• Track 35 : FiveHead_9, JohnThicc_9
• Track 36 : AceofSpades_8
• Track 37 : Emotion_9
• Track 38 : VroomVroom_9
• Track 39 : MiniMommy_8
• Track 40 : Ashes_10, Mysterium_10, Gumpizza_10, Beaupre_10, Giorgio_10, Stuu_10
• Track 41 : RockScotty_10, Kalimba_10, Halsey_10, Cappuccino_10, Donkey_10, Sabourin_10, Gambol_10, Moss_10, Sooty_10
• Track 42 : SpecialK_10
• Track 43 : Soondubu_9
• Track 44 : Exile_9
• Track 45 : AinMach_9
• Track 46 : Doucette_10, B22_10
• Track 47 : E6_11
• Track 48 : G4_10
• Track 49 : Mabodamaca_9
• Track 50 : Cen1621_8
• Track 51 : Honk_8
• Track 52 : SuperHands_9, Forester_9, Percival_9, Gretchen_9
• Track 53 : GardenState_9, IAmGroot_9
• Track 54 : Barnstormer_8, UtzChips_8
• Track 55 : Zeta1847_8
• Track 56 : Floof_9
• Track 57 : Caron_8
• Track 58 : SuMoo_8

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

The start number called the most often in the published annotations is 12, it was called in 85 of the 100 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AEgle_10, AGrandiflora_10, AceofSpades_8, Adumb2043_10, AinMach_9, Amploria_10, Amyev_10, Asa16_10, Ascela_10, Ashes_10, Barnstormer_8, Beaupre_10, Berrie_10, Cappuccino_10, Caron_8, Cassia_10, Community_11, Crewmate_11, Cyan_10, Donkey_10, DrSierra_10, Elezi_10, Emotion_9, Eraser_10, FiveHead_9, Floof_9, Flutur_10, Forester_9, Gambol_10, GardenState_9, Giorgio_10, Gretchen_9, Gumpizza_10, Halsey_10, IAmGroot_9, IUFootball_9, Iter_10, Janeemi_11, JasmineDragon_9, Joemato_10, JohnDoe_10, JohnThicc_9, Jstan_10, JuneStar_10, Kalimba_10, Kaylissa_10, KeAlii_10, LadyAstra_9, Lego_10, Liebe_9, Lizalica_10, London_10, MaGuCo_9, Mabodamaca_9, Maureen_9, Michkear_12, MiniMommy_8, Moss_10, Mudpuppy_10, Mysterium_10, Niobe_10, Nitro_10, ObiToo_10, Origami_9, Percival_9, Phives_11, Pixelle_10, Powerpuff_10, Pumpkins_10, Reedo_10, RockScotty_10, Sabourin_10, Schaffner_10, ShakeItOph_9, Simpson_11, Skelbel_10, Sooty_10, SpecialK_10, Stuu_10, SuMoo_8, Subaru_10, Sue2_10, SuperHands_9, Tallboi_10, Tbone_10, TforTroy_10, ThursdayNight_9, Tian_10, Tuck_11, Turab_10, Tutumahutu_10, UtzChips_8, VroomVroom_9, Warda_10, Wildwest_11, Yang_10, YesChef_10,

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

Genes that do not have the "Most Annotated" start:
• Adolin_10, B22_10, Cen1621_8, Doucette_10, DrManhattan_10, E6_11, Exile_9, G4_10, Honk_8, IttyBittyPiggy_10, MissSwiss_10, PandaPo_10, Snek_10, Soondubu_9, Tweety19_10, VResidence_10, Zeta1847_8,

Summary by start number:

Start 8:
• Found in 4 of 114 (3.5%) of genes in pham
• Manual Annotations of this start: 3 of 100
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Adolin_10 (AZ1), DrManhattan_10 (AZ1), MissSwiss_10 (AZ1), PandaPo_10 (AZ1),

Start 9:
• Found in 2 of 114 (1.8%) of genes in pham
• Manual Annotations of this start: 1 of 100
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Exile_9 (AZ6), Soondubu_9 (AZ6),

Start 10:
• Found in 2 of 114 (1.8%) of genes in pham
• Manual Annotations of this start: 2 of 100
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Snek_10 (AZ3), Tweety19_10 (AZ3),

Start 11:
• Found in 2 of 114 (1.8%) of genes in pham
• Manual Annotations of this start: 2 of 100
• Called 100.0% of time when present
• Phage (with cluster) where this start called: IttyBittyPiggy_10 (AZ1), VResidence_10 (AZ1),

Start 12:
• Found in 97 of 114 (85.1%) of genes in pham
• Manual Annotations of this start: 85 of 100
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AEgle_10 (AZ1), AGrandiflora_10 (AZ1), AceofSpades_8 (AZ4), Adumb2043_10 (AZ1), AinMach_9 (AZ7), Amploria_10 (AZ1), Amyev_10 (AZ1), Asa16_10 (AZ1), Ascela_10 (AZ1), Ashes_10 (AZ5), Barnstormer_8 (EH), Beaupre_10 (AZ5), Berrie_10 (AZ1), Cappuccino_10 (AZ5), Caron_8 (EH), Cassia_10 (AZ1), Community_11 (AZ1), Crewmate_11 (AZ1), Cyan_10 (AZ1), Donkey_10 (AZ5), DrSierra_10 (AZ1), Elezi_10 (AZ1), Emotion_9 (AZ4), Eraser_10 (AZ1), FiveHead_9 (AZ4), Floof_9 (EH), Flutur_10 (AZ), Forester_9 (EH), Gambol_10 (AZ5), GardenState_9 (EH), Giorgio_10 (AZ5), Gretchen_9 (EH), Gumpizza_10 (AZ5), Halsey_10 (AZ5), IAmGroot_9 (EH), IUFootball_9 (AZ2), Iter_10 (AZ1), Janeemi_11 (AZ1), JasmineDragon_9 (AZ4), Joemato_10 (AZ1), JohnDoe_10 (AZ1), JohnThicc_9 (AZ4), Jstan_10 (AZ1), JuneStar_10 (AZ1), Kalimba_10 (AZ5), Kaylissa_10 (AZ1), KeAlii_10 (AZ1), LadyAstra_9 (AZ4), Lego_10 (AZ1), Liebe_9 (AZ2), Lizalica_10 (AZ1), London_10 (AZ1), MaGuCo_9 (AZ2), Mabodamaca_9 (EH),

Maureen_9 (AZ2), Michkear_12 (AZ), MiniMommy_8 (AZ4), Moss_10 (AZ5), Mudpuppy_10 (AZ1), Mysterium_10 (AZ5), Niobe_10 (AZ1), Nitro_10 (AZ1), ObiToo_10 (AZ1), Origami_9 (AZ4), Percival_9 (EH), Phives_11 (AZ1), Pixelle_10 (AZ1), Powerpuff_10 (AZ1), Pumpkins_10 (AZ1), Reedo_10 (AZ1), RockScotty_10 (AZ5), Sabourin_10 (AZ5), Schaffner_10 (AZ1), ShakeItOph_9 (AZ4), Simpson_11 (AZ1), Skelbel_10 (AZ1), Sooty_10 (AZ5), SpecialK_10 (AZ5), Stuu_10 (AZ5), SuMoo_8 (EH), Subaru_10 (AZ1), Sue2_10 (AZ1), SuperHands_9 (EH), Tallboi_10 (AZ1), Tbone_10 (AZ1), TforTroy_10 (AZ1), ThursdayNight_9 (AZ), Tian_10 (AZ1), Tuck_11 (AZ1), Turab_10 (AZ1), Tutumahutu_10 (AZ1), UtzChips_8 (EH), VroomVroom_9 (AZ4), Warda_10 (AZ1), Wildwest_11 (AZ1), Yang_10 (AZ1), YesChef_10 (AZ1),

Start 13:
• Found in 3 of 114 (2.6%) of genes in pham
• Manual Annotations of this start: 3 of 100
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Cen1621_8 (EH), Honk_8 (EH), Zeta1847_8 (EH),

Start 14:
• Found in 4 of 114 (3.5%) of genes in pham
• Manual Annotations of this start: 4 of 100
• Called 100.0% of time when present
• Phage (with cluster) where this start called: B22_10 (BW), Doucette_10 (BW), E6_11 (BW), G4_10 (BW),

Summary by clusters:

There are 10 clusters represented in this pham: AZ, EH, BW, AZ1, AZ2, AZ3, AZ4, AZ5, AZ6, AZ7,

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

Info for manual annotations of cluster AZ1:
•Start number 8 was manually annotated 3 times for cluster AZ1.
•Start number 11 was manually annotated 2 times for cluster AZ1.
•Start number 12 was manually annotated 44 times for cluster AZ1.

Info for manual annotations of cluster AZ2:
•Start number 12 was manually annotated 4 times for cluster AZ2.

Info for manual annotations of cluster AZ3:
•Start number 10 was manually annotated 2 times for cluster AZ3.

Info for manual annotations of cluster AZ4:
•Start number 12 was manually annotated 8 times for cluster AZ4.

Info for manual annotations of cluster AZ5:
•Start number 12 was manually annotated 16 times for cluster AZ5.

Info for manual annotations of cluster AZ6:
•Start number 9 was manually annotated 1 time for cluster AZ6.

Info for manual annotations of cluster BW:
•Start number 14 was manually annotated 4 times for cluster BW.

Info for manual annotations of cluster EH:
•Start number 12 was manually annotated 12 times for cluster EH.
•Start number 13 was manually annotated 3 times for cluster EH.

Gene Information:

Gene: AEgle_10 Start: 8385, Stop: 8732, Start Num: 12
Candidate Starts for AEgle_10:
(Start: 12 @8385 has 85 MA's), (44, 8598),

Gene: AGrandiflora_10 Start: 8369, Stop: 8716, Start Num: 12
Candidate Starts for AGrandiflora_10:
(Start: 12 @8369 has 85 MA's), (44, 8582), (50, 8633),

Gene: AceofSpades_8 Start: 6670, Stop: 7011, Start Num: 12
Candidate Starts for AceofSpades_8:
(Start: 12 @6670 has 85 MA's), (40, 6865),

Gene: Adolin_10 Start: 8355, Stop: 8705, Start Num: 8
Candidate Starts for Adolin_10:
(Start: 8 @8355 has 3 MA's), (49, 8616),

Gene: Adumb2043_10 Start: 8384, Stop: 8731, Start Num: 12
Candidate Starts for Adumb2043_10:
(Start: 12 @8384 has 85 MA's), (44, 8597),

Gene: AinMach_9 Start: 7495, Stop: 7833, Start Num: 12
Candidate Starts for AinMach_9:
(Start: 12 @7495 has 85 MA's), (20, 7543), (26, 7600), (37, 7666), (43, 7699), (54, 7771),

Gene: Amploria_10 Start: 8384, Stop: 8731, Start Num: 12
Candidate Starts for Amploria_10:
(Start: 12 @8384 has 85 MA's), (44, 8597),

Gene: Amyev_10 Start: 8400, Stop: 8747, Start Num: 12
Candidate Starts for Amyev_10:
(Start: 12 @8400 has 85 MA's), (33, 8562), (44, 8613),

Gene: Asa16_10 Start: 8354, Stop: 8701, Start Num: 12
Candidate Starts for Asa16_10:
(Start: 12 @8354 has 85 MA's), (44, 8567),

Gene: Ascela_10 Start: 8380, Stop: 8736, Start Num: 12
Candidate Starts for Ascela_10:
(Start: 12 @8380 has 85 MA's), (33, 8548), (44, 8599), (48, 8638), (50, 8650),

Gene: Ashes_10 Start: 7908, Stop: 8258, Start Num: 12
Candidate Starts for Ashes_10:
(Start: 12 @7908 has 85 MA's), (20, 7962), (26, 8022), (39, 8103),

Gene: B22_10 Start: 7108, Stop: 7449, Start Num: 14
Candidate Starts for B22_10:
(Start: 14 @7108 has 4 MA's), (16, 7132), (22, 7198), (32, 7258), (35, 7270), (38, 7282), (46, 7327), (47, 7330), (56, 7408),

Gene: Barnstormer_8 Start: 7585, Stop: 7941, Start Num: 12
Candidate Starts for Barnstormer_8:
(Start: 12 @7585 has 85 MA's), (34, 7756), (60, 7930),

Gene: Beaupre_10 Start: 7909, Stop: 8259, Start Num: 12
Candidate Starts for Beaupre_10:
(Start: 12 @7909 has 85 MA's), (20, 7963), (26, 8023), (39, 8104),

Gene: Berrie_10 Start: 8356, Stop: 8703, Start Num: 12
Candidate Starts for Berrie_10:
(Start: 12 @8356 has 85 MA's), (44, 8569), (58, 8680),

Gene: Cappuccino_10 Start: 7817, Stop: 8167, Start Num: 12
Candidate Starts for Cappuccino_10:
(Start: 12 @7817 has 85 MA's), (26, 7931), (39, 8012),

Gene: Caron_8 Start: 7613, Stop: 7969, Start Num: 12
Candidate Starts for Caron_8:
(Start: 12 @7613 has 85 MA's), (34, 7784), (60, 7958),

Gene: Cassia_10 Start: 8476, Stop: 8826, Start Num: 12
Candidate Starts for Cassia_10:
(Start: 12 @8476 has 85 MA's),

Gene: Cen1621_8 Start: 6748, Stop: 7080, Start Num: 13
Candidate Starts for Cen1621_8:
(1, 6415), (Start: 13 @6748 has 3 MA's), (49, 6985), (59, 7069),

Gene: Community_11 Start: 9435, Stop: 9782, Start Num: 12
Candidate Starts for Community_11:
(Start: 12 @9435 has 85 MA's), (33, 9597), (44, 9648), (50, 9699), (58, 9759),

Gene: Crewmate_11 Start: 8821, Stop: 9168, Start Num: 12
Candidate Starts for Crewmate_11:
(Start: 12 @8821 has 85 MA's), (30, 8968), (44, 9034), (54, 9103),

Gene: Cyan_10 Start: 8373, Stop: 8720, Start Num: 12
Candidate Starts for Cyan_10:
(Start: 12 @8373 has 85 MA's), (44, 8586), (50, 8637),

Gene: Donkey_10 Start: 7817, Stop: 8167, Start Num: 12
Candidate Starts for Donkey_10:
(Start: 12 @7817 has 85 MA's), (26, 7931), (39, 8012),

Gene: Doucette_10 Start: 7168, Stop: 7509, Start Num: 14
Candidate Starts for Doucette_10:
(Start: 14 @7168 has 4 MA's), (16, 7192), (22, 7258), (32, 7318), (35, 7330), (38, 7342), (46, 7387), (47, 7390), (56, 7468),

Gene: DrManhattan_10 Start: 8345, Stop: 8695, Start Num: 8
Candidate Starts for DrManhattan_10:
(Start: 8 @8345 has 3 MA's),

Gene: DrSierra_10 Start: 8382, Stop: 8726, Start Num: 12
Candidate Starts for DrSierra_10:
(Start: 12 @8382 has 85 MA's), (28, 8511), (39, 8574), (41, 8583), (44, 8595), (49, 8637),

Gene: E6_11 Start: 7219, Stop: 7560, Start Num: 14
Candidate Starts for E6_11:
(Start: 14 @7219 has 4 MA's), (16, 7243), (22, 7309), (24, 7321), (32, 7369), (35, 7381), (38, 7393), (46, 7438), (47, 7441), (56, 7519),

Gene: Elezi_10 Start: 8355, Stop: 8702, Start Num: 12
Candidate Starts for Elezi_10:
(Start: 12 @8355 has 85 MA's), (44, 8568),

Gene: Emotion_9 Start: 6723, Stop: 7064, Start Num: 12
Candidate Starts for Emotion_9:
(5, 6612), (Start: 12 @6723 has 85 MA's), (37, 6897),

Gene: Eraser_10 Start: 8355, Stop: 8702, Start Num: 12
Candidate Starts for Eraser_10:
(Start: 12 @8355 has 85 MA's), (44, 8568),

Gene: Exile_9 Start: 8263, Stop: 8613, Start Num: 9
Candidate Starts for Exile_9:
(Start: 9 @8263 has 1 MA's),

Gene: FiveHead_9 Start: 6658, Stop: 6999, Start Num: 12
Candidate Starts for FiveHead_9:
(2, 6388), (4, 6523), (6, 6553), (Start: 12 @6658 has 85 MA's), (23, 6751),

Gene: Floof_9 Start: 7145, Stop: 7507, Start Num: 12
Candidate Starts for Floof_9:
(Start: 12 @7145 has 85 MA's), (58, 7481), (60, 7496),

Gene: Flutur_10 Start: 8372, Stop: 8719, Start Num: 12
Candidate Starts for Flutur_10:
(Start: 12 @8372 has 85 MA's), (44, 8585), (50, 8636),

Gene: Forester_9 Start: 8697, Stop: 9059, Start Num: 12
Candidate Starts for Forester_9:
(Start: 12 @8697 has 85 MA's), (53, 8988), (58, 9033), (60, 9048),

Gene: G4_10 Start: 7156, Stop: 7497, Start Num: 14
Candidate Starts for G4_10:

(Start: 14 @7156 has 4 MA's), (16, 7180), (22, 7246), (32, 7306), (35, 7318), (38, 7330), (45, 7366), (46, 7375), (47, 7378), (56, 7456),

Gene: Gambol_10 Start: 7817, Stop: 8167, Start Num: 12
Candidate Starts for Gambol_10:
(Start: 12 @7817 has 85 MA's), (26, 7931), (39, 8012),

Gene: GardenState_9 Start: 7818, Stop: 8174, Start Num: 12
Candidate Starts for GardenState_9:
(Start: 12 @7818 has 85 MA's), (51, 8088),

Gene: Giorgio_10 Start: 7910, Stop: 8260, Start Num: 12
Candidate Starts for Giorgio_10:
(Start: 12 @7910 has 85 MA's), (20, 7964), (26, 8024), (39, 8105),

Gene: Gretchen_9 Start: 8691, Stop: 9053, Start Num: 12
Candidate Starts for Gretchen_9:
(Start: 12 @8691 has 85 MA's), (53, 8982), (58, 9027), (60, 9042),

Gene: Gumpizza_10 Start: 7909, Stop: 8259, Start Num: 12
Candidate Starts for Gumpizza_10:
(Start: 12 @7909 has 85 MA's), (20, 7963), (26, 8023), (39, 8104),

Gene: Halsey_10 Start: 7908, Stop: 8258, Start Num: 12
Candidate Starts for Halsey_10:
(Start: 12 @7908 has 85 MA's), (26, 8022), (39, 8103),

Gene: Honk_8 Start: 6713, Stop: 7048, Start Num: 13
Candidate Starts for Honk_8:
(Start: 13 @6713 has 3 MA's), (42, 6902), (49, 6953),

Gene: IAmGroot_9 Start: 8462, Stop: 8818, Start Num: 12
Candidate Starts for IAmGroot_9:
(Start: 12 @8462 has 85 MA's), (51, 8732),

Gene: IUFootball_9 Start: 6828, Stop: 7175, Start Num: 12
Candidate Starts for IUFootball_9:
(Start: 12 @6828 has 85 MA's), (21, 6909), (25, 6936), (29, 6966), (33, 6990), (36, 7002),

Gene: Iter_10 Start: 8380, Stop: 8736, Start Num: 12
Candidate Starts for Iter_10:
(Start: 12 @8380 has 85 MA's), (33, 8548), (44, 8599), (48, 8638), (50, 8650),

Gene: IttyBittyPiggy_10 Start: 8374, Stop: 8727, Start Num: 11
Candidate Starts for IttyBittyPiggy_10:
(Start: 11 @8374 has 2 MA's),

Gene: Janeemi_11 Start: 9466, Stop: 9813, Start Num: 12
Candidate Starts for Janeemi_11:
(Start: 12 @9466 has 85 MA's), (33, 9628), (44, 9679), (50, 9730), (58, 9790),

Gene: JasmineDragon_9 Start: 6658, Stop: 6999, Start Num: 12
Candidate Starts for JasmineDragon_9:

(7, 6595), (Start: 12 @6658 has 85 MA's), (18, 6697),

Gene: Joemato_10 Start: 8373, Stop: 8720, Start Num: 12
Candidate Starts for Joemato_10:
(Start: 12 @8373 has 85 MA's), (44, 8586), (50, 8637),

Gene: JohnDoe_10 Start: 8371, Stop: 8718, Start Num: 12
Candidate Starts for JohnDoe_10:
(Start: 12 @8371 has 85 MA's), (44, 8584), (50, 8635),

Gene: JohnThicc_9 Start: 6658, Stop: 6999, Start Num: 12
Candidate Starts for JohnThicc_9:
(2, 6388), (4, 6523), (6, 6553), (Start: 12 @6658 has 85 MA's), (23, 6751),

Gene: Jstan_10 Start: 8355, Stop: 8702, Start Num: 12
Candidate Starts for Jstan_10:
(Start: 12 @8355 has 85 MA's), (44, 8568),

Gene: JuneStar_10 Start: 8474, Stop: 8821, Start Num: 12
Candidate Starts for JuneStar_10:
(Start: 12 @8474 has 85 MA's),

Gene: Kalimba_10 Start: 7817, Stop: 8167, Start Num: 12
Candidate Starts for Kalimba_10:
(Start: 12 @7817 has 85 MA's), (26, 7931), (39, 8012),

Gene: Kaylissa_10 Start: 8374, Stop: 8721, Start Num: 12
Candidate Starts for Kaylissa_10:
(Start: 12 @8374 has 85 MA's), (44, 8587), (50, 8638),

Gene: KeAlii_10 Start: 8406, Stop: 8753, Start Num: 12
Candidate Starts for KeAlii_10:
(Start: 12 @8406 has 85 MA's), (36, 8580), (44, 8619),

Gene: LadyAstra_9 Start: 6658, Stop: 6999, Start Num: 12
Candidate Starts for LadyAstra_9:
(2, 6388), (4, 6523), (6, 6553), (Start: 12 @6658 has 85 MA's), (40, 6853),

Gene: Lego_10 Start: 8372, Stop: 8719, Start Num: 12
Candidate Starts for Lego_10:
(Start: 12 @8372 has 85 MA's), (44, 8585), (50, 8636),

Gene: Liebe_9 Start: 6828, Stop: 7175, Start Num: 12
Candidate Starts for Liebe_9:
(Start: 12 @6828 has 85 MA's), (21, 6909), (25, 6936), (29, 6966), (33, 6990), (36, 7002),

Gene: Lizalica_10 Start: 8361, Stop: 8708, Start Num: 12
Candidate Starts for Lizalica_10:
(Start: 12 @8361 has 85 MA's), (44, 8574), (50, 8625),

Gene: London_10 Start: 8355, Stop: 8702, Start Num: 12
Candidate Starts for London_10:
(Start: 12 @8355 has 85 MA's), (44, 8568),

Gene: MaGuCo_9 Start: 6687, Stop: 7034, Start Num: 12
Candidate Starts for MaGuCo_9:
(Start: 12 @6687 has 85 MA's), (21, 6768), (25, 6795), (29, 6825), (33, 6849), (36, 6861),

Gene: Mabodamaca_9 Start: 7894, Stop: 8274, Start Num: 12
Candidate Starts for Mabodamaca_9:
(Start: 12 @7894 has 85 MA's), (51, 8188), (53, 8200), (56, 8227), (57, 8239), (58, 8245),

Gene: Maureen_9 Start: 6828, Stop: 7175, Start Num: 12
Candidate Starts for Maureen_9:
(Start: 12 @6828 has 85 MA's), (21, 6909), (25, 6936), (29, 6966), (33, 6990), (36, 7002),

Gene: Michkear_12 Start: 10287, Stop: 10634, Start Num: 12
Candidate Starts for Michkear_12:
(Start: 12 @10287 has 85 MA's), (17, 10320), (23, 10383),

Gene: MiniMommy_8 Start: 6658, Stop: 6999, Start Num: 12
Candidate Starts for MiniMommy_8:
(7, 6595), (Start: 12 @6658 has 85 MA's),

Gene: MissSwiss_10 Start: 8349, Stop: 8699, Start Num: 8
Candidate Starts for MissSwiss_10:
(Start: 8 @8349 has 3 MA's), (49, 8610),

Gene: Moss_10 Start: 7908, Stop: 8258, Start Num: 12
Candidate Starts for Moss_10:
(Start: 12 @7908 has 85 MA's), (26, 8022), (39, 8103),

Gene: Mudpuppy_10 Start: 8372, Stop: 8719, Start Num: 12
Candidate Starts for Mudpuppy_10:
(Start: 12 @8372 has 85 MA's), (44, 8585), (50, 8636),

Gene: Mysterium_10 Start: 7909, Stop: 8259, Start Num: 12
Candidate Starts for Mysterium_10:
(Start: 12 @7909 has 85 MA's), (20, 7963), (26, 8023), (39, 8104),

Gene: Niobe_10 Start: 8355, Stop: 8702, Start Num: 12
Candidate Starts for Niobe_10:
(Start: 12 @8355 has 85 MA's), (44, 8568),

Gene: Nitro_10 Start: 8372, Stop: 8725, Start Num: 12
Candidate Starts for Nitro_10:
(Start: 12 @8372 has 85 MA's), (33, 8540), (44, 8591),

Gene: ObiToo_10 Start: 8558, Stop: 8905, Start Num: 12
Candidate Starts for ObiToo_10:
(Start: 12 @8558 has 85 MA's), (44, 8771), (54, 8840),

Gene: Origami_9 Start: 6658, Stop: 6999, Start Num: 12
Candidate Starts for Origami_9:
(2, 6388), (4, 6523), (6, 6553), (Start: 12 @6658 has 85 MA's), (40, 6853),

Gene: PandaPo_10 Start: 8349, Stop: 8699, Start Num: 8
Candidate Starts for PandaPo_10:
(Start: 8 @8349 has 3 MA's), (49, 8610),

Gene: Percival_9 Start: 8525, Stop: 8887, Start Num: 12
Candidate Starts for Percival_9:
(Start: 12 @8525 has 85 MA's), (53, 8816), (58, 8861), (60, 8876),

Gene: Phives_11 Start: 9460, Stop: 9807, Start Num: 12
Candidate Starts for Phives_11:
(Start: 12 @9460 has 85 MA's), (33, 9622), (44, 9673),

Gene: Pixelle_10 Start: 8403, Stop: 8750, Start Num: 12
Candidate Starts for Pixelle_10:
(Start: 12 @8403 has 85 MA's), (33, 8565), (44, 8616),

Gene: Powerpuff_10 Start: 8423, Stop: 8770, Start Num: 12
Candidate Starts for Powerpuff_10:
(Start: 12 @8423 has 85 MA's), (44, 8636), (50, 8687),

Gene: Pumpkins_10 Start: 8478, Stop: 8828, Start Num: 12
Candidate Starts for Pumpkins_10:
(Start: 12 @8478 has 85 MA's), (53, 8760),

Gene: Reedo_10 Start: 8425, Stop: 8772, Start Num: 12
Candidate Starts for Reedo_10:
(Start: 12 @8425 has 85 MA's), (44, 8638),

Gene: RockScotty_10 Start: 7908, Stop: 8258, Start Num: 12
Candidate Starts for RockScotty_10:
(Start: 12 @7908 has 85 MA's), (26, 8022), (39, 8103),

Gene: Sabourin_10 Start: 7817, Stop: 8167, Start Num: 12
Candidate Starts for Sabourin_10:
(Start: 12 @7817 has 85 MA's), (26, 7931), (39, 8012),

Gene: Schaffner_10 Start: 8469, Stop: 8819, Start Num: 12
Candidate Starts for Schaffner_10:
(Start: 12 @8469 has 85 MA's), (27, 8598),

Gene: ShakeItOph_9 Start: 6658, Stop: 6999, Start Num: 12
Candidate Starts for ShakeItOph_9:
(7, 6595), (Start: 12 @6658 has 85 MA's), (18, 6697),

Gene: Simpson_11 Start: 8373, Stop: 8720, Start Num: 12
Candidate Starts for Simpson_11:
(Start: 12 @8373 has 85 MA's), (44, 8586), (50, 8637),

Gene: Skelbel_10 Start: 8355, Stop: 8702, Start Num: 12
Candidate Starts for Skelbel_10:
(Start: 12 @8355 has 85 MA's), (44, 8568),

Gene: Snek_10 Start: 7472, Stop: 7813, Start Num: 10

Candidate Starts for Snek_10:
(Start: 10 @7472 has 2 MA's), (19, 7523), (37, 7649), (52, 7745),

Gene: Soondubu_9 Start: 8264, Stop: 8614, Start Num: 9
Candidate Starts for Soondubu_9:
(Start: 9 @8264 has 1 MA's), (20, 8324),

Gene: Sooty_10 Start: 7818, Stop: 8168, Start Num: 12
Candidate Starts for Sooty_10:
(Start: 12 @7818 has 85 MA's), (26, 7932), (39, 8013),

Gene: SpecialK_10 Start: 7815, Stop: 8165, Start Num: 12
Candidate Starts for SpecialK_10:
(3, 7683), (Start: 12 @7815 has 85 MA's), (26, 7929), (39, 8010),

Gene: Stuu_10 Start: 7908, Stop: 8258, Start Num: 12
Candidate Starts for Stuu_10:
(Start: 12 @7908 has 85 MA's), (20, 7962), (26, 8022), (39, 8103),

Gene: SuMoo_8 Start: 6854, Stop: 7234, Start Num: 12
Candidate Starts for SuMoo_8:
(Start: 12 @6854 has 85 MA's), (31, 7034), (39, 7070), (51, 7148), (53, 7160), (57, 7199), (58, 7205),

Gene: Subaru_10 Start: 8355, Stop: 8702, Start Num: 12
Candidate Starts for Subaru_10:
(Start: 12 @8355 has 85 MA's), (44, 8568),

Gene: Sue2_10 Start: 8396, Stop: 8734, Start Num: 12
Candidate Starts for Sue2_10:
(Start: 12 @8396 has 85 MA's), (28, 8525), (49, 8639),

Gene: SuperHands_9 Start: 8697, Stop: 9059, Start Num: 12
Candidate Starts for SuperHands_9:
(Start: 12 @8697 has 85 MA's), (53, 8988), (58, 9033), (60, 9048),

Gene: Tallboi_10 Start: 8389, Stop: 8736, Start Num: 12
Candidate Starts for Tallboi_10:
(Start: 12 @8389 has 85 MA's), (44, 8602),

Gene: Tbone_10 Start: 8369, Stop: 8716, Start Num: 12
Candidate Starts for Tbone_10:
(Start: 12 @8369 has 85 MA's), (44, 8582), (50, 8633),

Gene: TforTroy_10 Start: 8501, Stop: 8851, Start Num: 12
Candidate Starts for TforTroy_10:
(Start: 12 @8501 has 85 MA's),

Gene: ThursdayNight_9 Start: 6880, Stop: 7224, Start Num: 12
Candidate Starts for ThursdayNight_9:
(Start: 12 @6880 has 85 MA's), (54, 7159),

Gene: Tian_10 Start: 8400, Stop: 8747, Start Num: 12
Candidate Starts for Tian_10:

(Start: 12 @8400 has 85 MA's), (33, 8562), (44, 8613),

Gene: Tuck_11 Start: 9415, Stop: 9762, Start Num: 12
Candidate Starts for Tuck_11:
(Start: 12 @9415 has 85 MA's), (23, 9511), (33, 9577), (44, 9628), (50, 9679), (58, 9739),

Gene: Turab_10 Start: 8384, Stop: 8731, Start Num: 12
Candidate Starts for Turab_10:
(Start: 12 @8384 has 85 MA's), (44, 8597),

Gene: Tutumahutu_10 Start: 8423, Stop: 8770, Start Num: 12
Candidate Starts for Tutumahutu_10:
(Start: 12 @8423 has 85 MA's), (44, 8636), (50, 8687),

Gene: Tweety19_10 Start: 7471, Stop: 7812, Start Num: 10
Candidate Starts for Tweety19_10:
(Start: 10 @7471 has 2 MA's), (19, 7522), (37, 7648), (52, 7744),

Gene: UtzChips_8 Start: 7573, Stop: 7929, Start Num: 12
Candidate Starts for UtzChips_8:
(Start: 12 @7573 has 85 MA's), (34, 7744), (60, 7918),

Gene: VResidence_10 Start: 8441, Stop: 8785, Start Num: 11
Candidate Starts for VResidence_10:
(Start: 11 @8441 has 2 MA's), (15, 8462), (55, 8744),

Gene: VroomVroom_9 Start: 6670, Stop: 7011, Start Num: 12
Candidate Starts for VroomVroom_9:
(Start: 12 @6670 has 85 MA's),

Gene: Warda_10 Start: 8369, Stop: 8716, Start Num: 12
Candidate Starts for Warda_10:
(Start: 12 @8369 has 85 MA's), (44, 8582), (50, 8633),

Gene: Wildwest_11 Start: 9289, Stop: 9633, Start Num: 12
Candidate Starts for Wildwest_11:
(Start: 12 @9289 has 85 MA's), (15, 9310), (39, 9481), (49, 9544),

Gene: Yang_10 Start: 8474, Stop: 8821, Start Num: 12
Candidate Starts for Yang_10:
(Start: 12 @8474 has 85 MA's),

Gene: YesChef_10 Start: 8423, Stop: 8770, Start Num: 12
Candidate Starts for YesChef_10:
(Start: 12 @8423 has 85 MA's), (44, 8636), (50, 8687),

Gene: Zeta1847_8 Start: 6684, Stop: 7025, Start Num: 13
Candidate Starts for Zeta1847_8:
(1, 6363), (Start: 13 @6684 has 3 MA's), (49, 6933), (54, 6960),