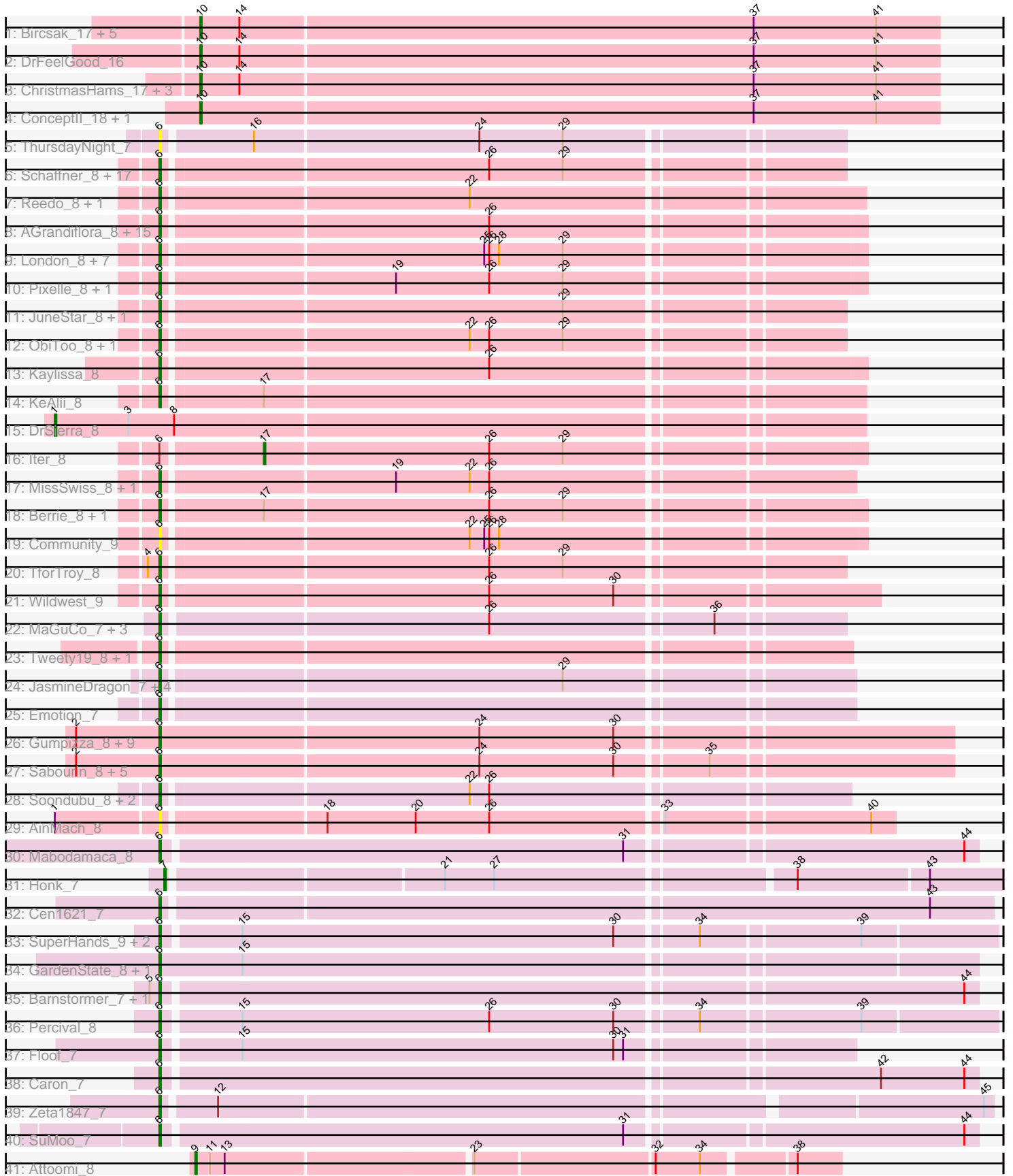


Pham 294544



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 294544 Report

This analysis was run 04/18/26 on database version 643.

Pham number 294544 has 123 members, 25 are drafts.

Phages represented in each track:

- Track 1 : Bircsak_17, Tripl3t_18, Gompeii16_17, StrongArm_16, Bexan_16, PowerRanger_17
- Track 2 : DrFeelGood_16
- Track 3 : ChristmasHams_17, BluSpix_17, Graduation_19, IgnatiusPatJac_16
- Track 4 : ConceptII_18, PacerPaul_17
- Track 5 : ThursdayNight_7
- Track 6 : Schaffner_8, Origami_7, IttyBittyPiggy_8, Janeemi_9, Yang_8, Amyev_8, FiveHead_7, Tian_8, AEgle_8, Nitro_8, Turab_8, Cassia_8, Lizalica_8, JohnThicc_7, Adumb2043_8, Amploria_8, Pumpkins_8, LadyAstra_7
- Track 7 : Reedo_8, Adolin_8
- Track 8 : AGrandiflora_8, Cyan_8, Warda_8, YesChef_8, Flutur_8, VResidence_8, Tallboi_8, Tbone_8, JohnDoe_8, Powerpuff_8, Tutumahutu_8, Mudpuppy_8, Simpson_8, Lego_8, Tuck_9, Joemato_8
- Track 9 : London_8, Eraser_8, Subaru_8, Elezi_8, Asa16_8, Skelbel_8, Niobe_8, Jstan_8
- Track 10 : Pixelle_8, Phives_9
- Track 11 : JuneStar_8, Sue2_8
- Track 12 : ObiToo_8, Crewmate_9
- Track 13 : Kaylissa_8
- Track 14 : KeAlii_8
- Track 15 : DrSierra_8
- Track 16 : lter_8
- Track 17 : MissSwiss_8, PandaPo_8
- Track 18 : Berrie_8, Ascela_8
- Track 19 : Community_9
- Track 20 : TforTroy_8
- Track 21 : Wildwest_9
- Track 22 : MaGuCo_7, IUFootball_7, Liebe_7, Maureen_7
- Track 23 : Tweety19_8, Snek_8
- Track 24 : JasmineDragon_7, AceofSpades_7, ShakeltOph_7, MiniMommy_7, VroomVroom_7
- Track 25 : Emotion_7
- Track 26 : Gumpizza_8, SpecialK_8, Giorgio_8, Moss_8, Mysterium_8, Halsey_8, Stuu_8, Ashes_8, RockScotty_8, Beaupre_8
- Track 27 : Sabourin_8, Sooty_8, Gambol_8, Cappuccino_8, Donkey_8, Kalimba_8
- Track 28 : Soondubu_8, DrManhattan_8, Exile_8
- Track 29 : AinMach_8

- Track 30 : Mabodamaca_8
- Track 31 : Honk_7
- Track 32 : Cen1621_7
- Track 33 : SuperHands_9, Forester_15, Gretchen_8
- Track 34 : GardenState_8, IAmGroot_8
- Track 35 : Barnstormer_7, UtzChips_7
- Track 36 : Percival_8
- Track 37 : Floof_7
- Track 38 : Caron_7
- Track 39 : Zeta1847_7
- Track 40 : SuMoo_7
- Track 41 : Attoomi_8

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

The start number called the most often in the published annotations is 6, it was called in 83 of the 98 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- AEgle_8, AGrandiflora_8, AceofSpades_7, Adolin_8, Adumb2043_8, AinMach_8, Amploria_8, Amyev_8, Asa16_8, Ascela_8, Ashes_8, Barnstormer_7, Beaupre_8, Berrie_8, Cappuccino_8, Caron_7, Cassia_8, Cen1621_7, Community_9, Crewmate_9, Cyan_8, Donkey_8, DrManhattan_8, Elezi_8, Emotion_7, Eraser_8, Exile_8, FiveHead_7, Floof_7, Flutur_8, Forester_15, Gambol_8, GardenState_8, Giorgio_8, Gretchen_8, Gumpizza_8, Halsey_8, IAmGroot_8, IUFootball_7, IttyBittyPiggy_8, Janeemi_9, JasmineDragon_7, Joemato_8, JohnDoe_8, JohnThicc_7, Jstan_8, JuneStar_8, Kalimba_8, Kaylissa_8, KeAlii_8, LadyAstra_7, Lego_8, Liebe_7, Lizalica_8, London_8, MaGuCo_7, Mabodamaca_8, Maureen_7, MiniMommy_7, MissSwiss_8, Moss_8, Mudpuppy_8, Mysterium_8, Niobe_8, Nitro_8, ObiToo_8, Origami_7, PandaPo_8, Percival_8, Phives_9, Pixelle_8, Powerpuff_8, Pumpkins_8, Reedo_8, RockScotty_8, Sabourin_8, Schaffner_8, ShakeltOph_7, Simpson_8, Skelbel_8, Snek_8, Soondubu_8, Sooty_8, SpecialK_8, Stuu_8, SuMoo_7, Subaru_8, Sue2_8, SuperHands_9, Tallboi_8, Tbone_8, TforTroy_8, ThursdayNight_7, Tian_8, Tuck_9, Turab_8, Tutumahutu_8, Tweety19_8, UtzChips_7, VResidence_8, VroomVroom_7, Warda_8, Wildwest_9, Yang_8, YesChef_8, Zeta1847_7,

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

- Iter_8,

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

- Attoomi_8, Bexan_16, Bircsak_17, BluSpix_17, ChristmasHams_17, ConceptII_18, DrFeelGood_16, DrSierra_8, Gompeii16_17, Graduation_19, Honk_7, IgnatiusPatJac_16, PacerPaul_17, PowerRanger_17, StrongArm_16, Tripl3t_18,

Summary by start number:

Start 1:

- Found in 2 of 123 (1.6%) of genes in pham
- Manual Annotations of this start: 1 of 98

- Called 50.0% of time when present
- Phage (with cluster) where this start called: DrSierra_8 (AZ1),

Start 6:

- Found in 107 of 123 (87.0%) of genes in pham
- Manual Annotations of this start: 83 of 98
- Called 99.1% of time when present
- Phage (with cluster) where this start called: AEgle_8 (AZ1), AGrandiflora_8 (AZ1), AceofSpades_7 (AZ4), Adolin_8 (AZ1), Adumb2043_8 (AZ1), AinMach_8 (AZ7), Amploria_8 (AZ1), Amyev_8 (AZ1), Asa16_8 (AZ1), Ascela_8 (AZ1), Ashes_8 (AZ5), Barnstormer_7 (EH), Beaupre_8 (AZ5), Berrie_8 (AZ1), Cappuccino_8 (AZ5), Caron_7 (EH), Cassia_8 (AZ1), Cen1621_7 (EH), Community_9 (AZ1), Crewmate_9 (AZ1), Cyan_8 (AZ1), Donkey_8 (AZ5), DrManhattan_8 (AZ1), Elezi_8 (AZ1), Emotion_7 (AZ4), Eraser_8 (AZ1), Exile_8 (AZ6), FiveHead_7 (AZ4), Floof_7 (EH), Flutur_8 (AZ), Forester_15 (EH), Gambol_8 (AZ5), GardenState_8 (EH), Giorgio_8 (AZ5), Gretchen_8 (EH), Gumpizza_8 (AZ5), Halsey_8 (AZ5), IAmGroot_8 (EH), IUFootball_7 (AZ2), IttyBittyPiggy_8 (AZ1), Janeemi_9 (AZ1), JasmineDragon_7 (AZ4), Joemato_8 (AZ1), JohnDoe_8 (AZ1), JohnThicc_7 (AZ4), Jstan_8 (AZ1), JuneStar_8 (AZ1), Kalimba_8 (AZ5), Kaylissa_8 (AZ1), KeAlii_8 (AZ1), LadyAstra_7 (AZ4), Lego_8 (AZ1), Liebe_7 (AZ2), Lizalica_8 (AZ1), London_8 (AZ1), MaGuCo_7 (AZ2), Mabodamaca_8 (EH), Maureen_7 (AZ2), MiniMommy_7 (AZ4), MissSwiss_8 (AZ1), Moss_8 (AZ5), Mudpuppy_8 (AZ1), Mysterium_8 (AZ5), Niobe_8 (AZ1), Nitro_8 (AZ1), ObiToo_8 (AZ1), Origami_7 (AZ4), PandaPo_8 (AZ1), Percival_8 (EH), Phives_9 (AZ1), Pixelle_8 (AZ1), Powerpuff_8 (AZ1), Pumpkins_8 (AZ1), Reedo_8 (AZ1), RockScotty_8 (AZ5), Sabourin_8 (AZ5), Schaffner_8 (AZ1), ShakeltOph_7 (AZ4), Simpson_8 (AZ1), Skelbel_8 (AZ1), Snek_8 (AZ3), Soondubu_8 (AZ6), Sooty_8 (AZ5), SpecialK_8 (AZ5), Stuu_8 (AZ5), SuMoo_7 (EH), Subaru_8 (AZ1), Sue2_8 (AZ1), SuperHands_9 (EH), Tallboi_8 (AZ1), Tbone_8 (AZ1), TforTroy_8 (AZ1), ThursdayNight_7 (AZ), Tian_8 (AZ1), Tuck_9 (AZ1), Turab_8 (AZ1), Tutumahutu_8 (AZ1), Tweety19_8 (AZ3), UtzChips_7 (EH), VResidence_8 (AZ1), VroomVroom_7 (AZ4), Warda_8 (AZ1), Wildwest_9 (AZ1), Yang_8 (AZ1), YesChef_8 (AZ1), Zeta1847_7 (EH),

Start 7:

- Found in 1 of 123 (0.8%) of genes in pham
- Manual Annotations of this start: 1 of 98
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Honk_7 (EH),

Start 9:

- Found in 1 of 123 (0.8%) of genes in pham
- Manual Annotations of this start: 1 of 98
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Attoomi_8 (singleton),

Start 10:

- Found in 13 of 123 (10.6%) of genes in pham
- Manual Annotations of this start: 11 of 98
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Bexan_16 (A1), Bircsak_17 (A1), BluSpix_17 (A1), ChristmasHams_17 (A1), ConceptII_18 (A1), DrFeelGood_16 (A1), Gompeii16_17 (A1), Graduation_19 (A1), IgnatiusPatJac_16 (A1), PacerPaul_17 (A1), PowerRanger_17 (A1), StrongArm_16 (A1), Tripl3t_18 (A1),

Start 17:

- Found in 4 of 123 (3.3%) of genes in pham
- Manual Annotations of this start: 1 of 98
- Called 25.0% of time when present
- Phage (with cluster) where this start called: Iter_8 (AZ1),

Summary by clusters:

There are 11 clusters represented in this pham: singleton, AZ3, EH, A1, AZ1, AZ2, AZ, AZ4, AZ5, AZ6, AZ7,

Info for manual annotations of cluster A1:

- Start number 10 was manually annotated 11 times for cluster A1.

Info for manual annotations of cluster AZ1:

- Start number 1 was manually annotated 1 time for cluster AZ1.
- Start number 6 was manually annotated 44 times for cluster AZ1.
- Start number 17 was manually annotated 1 time for cluster AZ1.

Info for manual annotations of cluster AZ2:

- Start number 6 was manually annotated 3 times for cluster AZ2.

Info for manual annotations of cluster AZ3:

- Start number 6 was manually annotated 2 times for cluster AZ3.

Info for manual annotations of cluster AZ4:

- Start number 6 was manually annotated 5 times for cluster AZ4.

Info for manual annotations of cluster AZ5:

- Start number 6 was manually annotated 16 times for cluster AZ5.

Info for manual annotations of cluster AZ6:

- Start number 6 was manually annotated 1 time for cluster AZ6.

Info for manual annotations of cluster EH:

- Start number 6 was manually annotated 12 times for cluster EH.
- Start number 7 was manually annotated 1 time for cluster EH.

Gene Information:

Gene: AEgle_8 Start: 7858, Stop: 8265, Start Num: 6

Candidate Starts for AEgle_8:

(Start: 6 @7858 has 83 MA's), (26, 8050), (29, 8095),

Gene: AGrandiflora_8 Start: 7839, Stop: 8246, Start Num: 6

Candidate Starts for AGrandiflora_8:

(Start: 6 @7839 has 83 MA's), (26, 8031),

Gene: AceofSpades_7 Start: 6184, Stop: 6585, Start Num: 6
Candidate Starts for AceofSpades_7:
(Start: 6 @6184 has 83 MA's), (29, 6421),

Gene: Adolin_8 Start: 7854, Stop: 8258, Start Num: 6
Candidate Starts for Adolin_8:
(Start: 6 @7854 has 83 MA's), (22, 8034),

Gene: Adumb2043_8 Start: 7857, Stop: 8264, Start Num: 6
Candidate Starts for Adumb2043_8:
(Start: 6 @7857 has 83 MA's), (26, 8049), (29, 8094),

Gene: AinMach_8 Start: 7070, Stop: 7495, Start Num: 6
Candidate Starts for AinMach_8:
(Start: 1 @7010 has 1 MA's), (Start: 6 @7070 has 83 MA's), (18, 7163), (20, 7217), (26, 7262), (33, 7361), (40, 7481),

Gene: Amploria_8 Start: 7857, Stop: 8264, Start Num: 6
Candidate Starts for Amploria_8:
(Start: 6 @7857 has 83 MA's), (26, 8049), (29, 8094),

Gene: Amyev_8 Start: 7873, Stop: 8280, Start Num: 6
Candidate Starts for Amyev_8:
(Start: 6 @7873 has 83 MA's), (26, 8065), (29, 8110),

Gene: Asa16_8 Start: 7826, Stop: 8233, Start Num: 6
Candidate Starts for Asa16_8:
(Start: 6 @7826 has 83 MA's), (25, 8015), (26, 8018), (28, 8024), (29, 8063),

Gene: Ascela_8 Start: 7852, Stop: 8259, Start Num: 6
Candidate Starts for Ascela_8:
(Start: 6 @7852 has 83 MA's), (Start: 17 @7909 has 1 MA's), (26, 8044), (29, 8089),

Gene: Ashes_8 Start: 7343, Stop: 7810, Start Num: 6
Candidate Starts for Ashes_8:
(2, 7292), (Start: 6 @7343 has 83 MA's), (24, 7535), (30, 7616),

Gene: Attoomi_8 Start: 6589, Stop: 6960, Start Num: 9
Candidate Starts for Attoomi_8:
(Start: 9 @6589 has 1 MA's), (11, 6598), (13, 6607), (23, 6751), (32, 6856), (34, 6883), (38, 6934),

Gene: Barnstormer_7 Start: 7106, Stop: 7585, Start Num: 6
Candidate Starts for Barnstormer_7:
(5, 7100), (Start: 6 @7106 has 83 MA's), (44, 7577),

Gene: Beaupre_8 Start: 7344, Stop: 7811, Start Num: 6
Candidate Starts for Beaupre_8:
(2, 7293), (Start: 6 @7344 has 83 MA's), (24, 7536), (30, 7617),

Gene: Berrie_8 Start: 7831, Stop: 8238, Start Num: 6
Candidate Starts for Berrie_8:
(Start: 6 @7831 has 83 MA's), (Start: 17 @7888 has 1 MA's), (26, 8023), (29, 8068),

Gene: Bexan_16 Start: 13900, Stop: 14349, Start Num: 10
Candidate Starts for Bexan_16:
(Start: 10 @13900 has 11 MA's), (14, 13924), (37, 14236), (41, 14311),

Gene: Bircsak_17 Start: 13409, Stop: 13858, Start Num: 10
Candidate Starts for Bircsak_17:
(Start: 10 @13409 has 11 MA's), (14, 13433), (37, 13745), (41, 13820),

Gene: BluSpix_17 Start: 12911, Stop: 13360, Start Num: 10
Candidate Starts for BluSpix_17:
(Start: 10 @12911 has 11 MA's), (14, 12935), (37, 13247), (41, 13322),

Gene: Cappuccino_8 Start: 7252, Stop: 7719, Start Num: 6
Candidate Starts for Cappuccino_8:
(2, 7201), (Start: 6 @7252 has 83 MA's), (24, 7444), (30, 7525), (35, 7576),

Gene: Caron_7 Start: 7134, Stop: 7613, Start Num: 6
Candidate Starts for Caron_7:
(Start: 6 @7134 has 83 MA's), (42, 7554), (44, 7605),

Gene: Cassia_8 Start: 7956, Stop: 8351, Start Num: 6
Candidate Starts for Cassia_8:
(Start: 6 @7956 has 83 MA's), (26, 8148), (29, 8193),

Gene: Cen1621_7 Start: 6257, Stop: 6748, Start Num: 6
Candidate Starts for Cen1621_7:
(Start: 6 @6257 has 83 MA's), (43, 6710),

Gene: ChristmasHams_17 Start: 12957, Stop: 13406, Start Num: 10
Candidate Starts for ChristmasHams_17:
(Start: 10 @12957 has 11 MA's), (14, 12981), (37, 13293), (41, 13368),

Gene: Community_9 Start: 8908, Stop: 9315, Start Num: 6
Candidate Starts for Community_9:
(Start: 6 @8908 has 83 MA's), (22, 9088), (25, 9097), (26, 9100), (28, 9106),

Gene: ConceptII_18 Start: 13371, Stop: 13820, Start Num: 10
Candidate Starts for ConceptII_18:
(Start: 10 @13371 has 11 MA's), (37, 13707), (41, 13782),

Gene: Crewmate_9 Start: 8291, Stop: 8698, Start Num: 6
Candidate Starts for Crewmate_9:
(Start: 6 @8291 has 83 MA's), (22, 8471), (26, 8483), (29, 8528),

Gene: Cyan_8 Start: 7843, Stop: 8250, Start Num: 6
Candidate Starts for Cyan_8:
(Start: 6 @7843 has 83 MA's), (26, 8035),

Gene: Donkey_8 Start: 7252, Stop: 7719, Start Num: 6
Candidate Starts for Donkey_8:
(2, 7201), (Start: 6 @7252 has 83 MA's), (24, 7444), (30, 7525), (35, 7576),

Gene: DrFeelGood_16 Start: 12986, Stop: 13435, Start Num: 10

Candidate Starts for DrFeelGood_16:
(Start: 10 @12986 has 11 MA's), (14, 13010), (37, 13322), (41, 13397),

Gene: DrManhattan_8 Start: 7844, Stop: 8248, Start Num: 6
Candidate Starts for DrManhattan_8:
(Start: 6 @7844 has 83 MA's), (22, 8024), (26, 8036),

Gene: DrSierra_8 Start: 7783, Stop: 8259, Start Num: 1
Candidate Starts for DrSierra_8:
(Start: 1 @7783 has 1 MA's), (3, 7828), (8, 7855),

Gene: Elezi_8 Start: 7827, Stop: 8234, Start Num: 6
Candidate Starts for Elezi_8:
(Start: 6 @7827 has 83 MA's), (25, 8016), (26, 8019), (28, 8025), (29, 8064),

Gene: Emotion_7 Start: 6195, Stop: 6596, Start Num: 6
Candidate Starts for Emotion_7:
(Start: 6 @6195 has 83 MA's),

Gene: Eraser_8 Start: 7827, Stop: 8234, Start Num: 6
Candidate Starts for Eraser_8:
(Start: 6 @7827 has 83 MA's), (25, 8016), (26, 8019), (28, 8025), (29, 8064),

Gene: Exile_8 Start: 7864, Stop: 8262, Start Num: 6
Candidate Starts for Exile_8:
(Start: 6 @7864 has 83 MA's), (22, 8044), (26, 8056),

Gene: FiveHead_7 Start: 6168, Stop: 6569, Start Num: 6
Candidate Starts for FiveHead_7:
(Start: 6 @6168 has 83 MA's), (26, 6360), (29, 6405),

Gene: Floop_7 Start: 6625, Stop: 7029, Start Num: 6
Candidate Starts for Floop_7:
(Start: 6 @6625 has 83 MA's), (15, 6670), (30, 6895), (31, 6901),

Gene: Flutur_8 Start: 7842, Stop: 8249, Start Num: 6
Candidate Starts for Flutur_8:
(Start: 6 @7842 has 83 MA's), (26, 8034),

Gene: Forester_15 Start: 8209, Stop: 8697, Start Num: 6
Candidate Starts for Forester_15:
(Start: 6 @8209 has 83 MA's), (15, 8254), (30, 8479), (34, 8524), (39, 8617),

Gene: Gambol_8 Start: 7252, Stop: 7719, Start Num: 6
Candidate Starts for Gambol_8:
(2, 7201), (Start: 6 @7252 has 83 MA's), (24, 7444), (30, 7525), (35, 7576),

Gene: GardenState_8 Start: 7336, Stop: 7818, Start Num: 6
Candidate Starts for GardenState_8:
(Start: 6 @7336 has 83 MA's), (15, 7387),

Gene: Giorgio_8 Start: 7345, Stop: 7812, Start Num: 6
Candidate Starts for Giorgio_8:

(2, 7294), (Start: 6 @7345 has 83 MA's), (24, 7537), (30, 7618),

Gene: Gompeii16_17 Start: 13410, Stop: 13859, Start Num: 10

Candidate Starts for Gompeii16_17:

(Start: 10 @13410 has 11 MA's), (14, 13434), (37, 13746), (41, 13821),

Gene: Graduation_19 Start: 13675, Stop: 14124, Start Num: 10

Candidate Starts for Graduation_19:

(Start: 10 @13675 has 11 MA's), (14, 13699), (37, 14011), (41, 14086),

Gene: Gretchen_8 Start: 8203, Stop: 8691, Start Num: 6

Candidate Starts for Gretchen_8:

(Start: 6 @8203 has 83 MA's), (15, 8248), (30, 8473), (34, 8518), (39, 8611),

Gene: Gumpizza_8 Start: 7344, Stop: 7811, Start Num: 6

Candidate Starts for Gumpizza_8:

(2, 7293), (Start: 6 @7344 has 83 MA's), (24, 7536), (30, 7617),

Gene: Halsey_8 Start: 7343, Stop: 7810, Start Num: 6

Candidate Starts for Halsey_8:

(2, 7292), (Start: 6 @7343 has 83 MA's), (24, 7535), (30, 7616),

Gene: Honk_7 Start: 6227, Stop: 6709, Start Num: 7

Candidate Starts for Honk_7:

(Start: 7 @6227 has 1 MA's), (21, 6386), (27, 6416), (38, 6587), (43, 6665),

Gene: IAmGroot_8 Start: 7980, Stop: 8462, Start Num: 6

Candidate Starts for IAmGroot_8:

(Start: 6 @7980 has 83 MA's), (15, 8031),

Gene: IUFootball_7 Start: 6336, Stop: 6731, Start Num: 6

Candidate Starts for IUFootball_7:

(Start: 6 @6336 has 83 MA's), (26, 6528), (36, 6657),

Gene: IgnatiusPatJac_16 Start: 12912, Stop: 13361, Start Num: 10

Candidate Starts for IgnatiusPatJac_16:

(Start: 10 @12912 has 11 MA's), (14, 12936), (37, 13248), (41, 13323),

Gene: Iter_8 Start: 7909, Stop: 8259, Start Num: 17

Candidate Starts for Iter_8:

(Start: 6 @7852 has 83 MA's), (Start: 17 @7909 has 1 MA's), (26, 8044), (29, 8089),

Gene: IttyBittyPiggy_8 Start: 7843, Stop: 8253, Start Num: 6

Candidate Starts for IttyBittyPiggy_8:

(Start: 6 @7843 has 83 MA's), (26, 8035), (29, 8080),

Gene: Janeemi_9 Start: 8938, Stop: 9369, Start Num: 6

Candidate Starts for Janeemi_9:

(Start: 6 @8938 has 83 MA's), (26, 9130), (29, 9175),

Gene: JasmineDragon_7 Start: 6172, Stop: 6573, Start Num: 6

Candidate Starts for JasmineDragon_7:

(Start: 6 @6172 has 83 MA's), (29, 6409),

Gene: Joemato_8 Start: 7843, Stop: 8250, Start Num: 6
Candidate Starts for Joemato_8:
(Start: 6 @7843 has 83 MA's), (26, 8035),

Gene: JohnDoe_8 Start: 7841, Stop: 8248, Start Num: 6
Candidate Starts for JohnDoe_8:
(Start: 6 @7841 has 83 MA's), (26, 8033),

Gene: JohnThicc_7 Start: 6168, Stop: 6569, Start Num: 6
Candidate Starts for JohnThicc_7:
(Start: 6 @6168 has 83 MA's), (26, 6360), (29, 6405),

Gene: Jstan_8 Start: 7827, Stop: 8234, Start Num: 6
Candidate Starts for Jstan_8:
(Start: 6 @7827 has 83 MA's), (25, 8016), (26, 8019), (28, 8025), (29, 8064),

Gene: JuneStar_8 Start: 7957, Stop: 8352, Start Num: 6
Candidate Starts for JuneStar_8:
(Start: 6 @7957 has 83 MA's), (29, 8194),

Gene: Kalimba_8 Start: 7252, Stop: 7719, Start Num: 6
Candidate Starts for Kalimba_8:
(2, 7201), (Start: 6 @7252 has 83 MA's), (24, 7444), (30, 7525), (35, 7576),

Gene: Kaylissa_8 Start: 7844, Stop: 8251, Start Num: 6
Candidate Starts for Kaylissa_8:
(Start: 6 @7844 has 83 MA's), (26, 8036),

Gene: KeAlii_8 Start: 7870, Stop: 8277, Start Num: 6
Candidate Starts for KeAlii_8:
(Start: 6 @7870 has 83 MA's), (Start: 17 @7927 has 1 MA's),

Gene: LadyAstra_7 Start: 6168, Stop: 6569, Start Num: 6
Candidate Starts for LadyAstra_7:
(Start: 6 @6168 has 83 MA's), (26, 6360), (29, 6405),

Gene: Lego_8 Start: 7842, Stop: 8249, Start Num: 6
Candidate Starts for Lego_8:
(Start: 6 @7842 has 83 MA's), (26, 8034),

Gene: Liebe_7 Start: 6336, Stop: 6731, Start Num: 6
Candidate Starts for Liebe_7:
(Start: 6 @6336 has 83 MA's), (26, 6528), (36, 6657),

Gene: Lizalica_8 Start: 7834, Stop: 8241, Start Num: 6
Candidate Starts for Lizalica_8:
(Start: 6 @7834 has 83 MA's), (26, 8026), (29, 8071),

Gene: London_8 Start: 7827, Stop: 8234, Start Num: 6
Candidate Starts for London_8:
(Start: 6 @7827 has 83 MA's), (25, 8016), (26, 8019), (28, 8025), (29, 8064),

Gene: MaGuCo_7 Start: 6195, Stop: 6590, Start Num: 6
Candidate Starts for MaGuCo_7:
(Start: 6 @6195 has 83 MA's), (26, 6387), (36, 6516),

Gene: Mabodamaca_8 Start: 7413, Stop: 7892, Start Num: 6
Candidate Starts for Mabodamaca_8:
(Start: 6 @7413 has 83 MA's), (31, 7689), (44, 7884),

Gene: Maureen_7 Start: 6336, Stop: 6731, Start Num: 6
Candidate Starts for Maureen_7:
(Start: 6 @6336 has 83 MA's), (26, 6528), (36, 6657),

Gene: MiniMommy_7 Start: 6172, Stop: 6573, Start Num: 6
Candidate Starts for MiniMommy_7:
(Start: 6 @6172 has 83 MA's), (29, 6409),

Gene: MissSwiss_8 Start: 7857, Stop: 8261, Start Num: 6
Candidate Starts for MissSwiss_8:
(Start: 6 @7857 has 83 MA's), (19, 7992), (22, 8037), (26, 8049),

Gene: Moss_8 Start: 7343, Stop: 7810, Start Num: 6
Candidate Starts for Moss_8:
(2, 7292), (Start: 6 @7343 has 83 MA's), (24, 7535), (30, 7616),

Gene: Mudpuppy_8 Start: 7842, Stop: 8249, Start Num: 6
Candidate Starts for Mudpuppy_8:
(Start: 6 @7842 has 83 MA's), (26, 8034),

Gene: Mysterium_8 Start: 7344, Stop: 7811, Start Num: 6
Candidate Starts for Mysterium_8:
(2, 7293), (Start: 6 @7344 has 83 MA's), (24, 7536), (30, 7617),

Gene: Niobe_8 Start: 7827, Stop: 8234, Start Num: 6
Candidate Starts for Niobe_8:
(Start: 6 @7827 has 83 MA's), (25, 8016), (26, 8019), (28, 8025), (29, 8064),

Gene: Nitro_8 Start: 7844, Stop: 8251, Start Num: 6
Candidate Starts for Nitro_8:
(Start: 6 @7844 has 83 MA's), (26, 8036), (29, 8081),

Gene: ObiToo_8 Start: 8041, Stop: 8436, Start Num: 6
Candidate Starts for ObiToo_8:
(Start: 6 @8041 has 83 MA's), (22, 8221), (26, 8233), (29, 8278),

Gene: Origami_7 Start: 6168, Stop: 6569, Start Num: 6
Candidate Starts for Origami_7:
(Start: 6 @6168 has 83 MA's), (26, 6360), (29, 6405),

Gene: PacerPaul_17 Start: 13148, Stop: 13597, Start Num: 10
Candidate Starts for PacerPaul_17:
(Start: 10 @13148 has 11 MA's), (37, 13484), (41, 13559),

Gene: PandaPo_8 Start: 7857, Stop: 8261, Start Num: 6

Candidate Starts for PandaPo_8:

(Start: 6 @7857 has 83 MA's), (19, 7992), (22, 8037), (26, 8049),

Gene: Percival_8 Start: 8037, Stop: 8525, Start Num: 6

Candidate Starts for Percival_8:

(Start: 6 @8037 has 83 MA's), (15, 8082), (26, 8232), (30, 8307), (34, 8352), (39, 8445),

Gene: Phives_9 Start: 8933, Stop: 9340, Start Num: 6

Candidate Starts for Phives_9:

(Start: 6 @8933 has 83 MA's), (19, 9068), (26, 9125), (29, 9170),

Gene: Pixelle_8 Start: 7876, Stop: 8283, Start Num: 6

Candidate Starts for Pixelle_8:

(Start: 6 @7876 has 83 MA's), (19, 8011), (26, 8068), (29, 8113),

Gene: PowerRanger_17 Start: 13508, Stop: 13957, Start Num: 10

Candidate Starts for PowerRanger_17:

(Start: 10 @13508 has 11 MA's), (14, 13532), (37, 13844), (41, 13919),

Gene: Powerpuff_8 Start: 7893, Stop: 8300, Start Num: 6

Candidate Starts for Powerpuff_8:

(Start: 6 @7893 has 83 MA's), (26, 8085),

Gene: Pumpkins_8 Start: 7958, Stop: 8353, Start Num: 6

Candidate Starts for Pumpkins_8:

(Start: 6 @7958 has 83 MA's), (26, 8150), (29, 8195),

Gene: Reedo_8 Start: 7890, Stop: 8297, Start Num: 6

Candidate Starts for Reedo_8:

(Start: 6 @7890 has 83 MA's), (22, 8070),

Gene: RockScotty_8 Start: 7343, Stop: 7810, Start Num: 6

Candidate Starts for RockScotty_8:

(2, 7292), (Start: 6 @7343 has 83 MA's), (24, 7535), (30, 7616),

Gene: Sabourin_8 Start: 7252, Stop: 7719, Start Num: 6

Candidate Starts for Sabourin_8:

(2, 7201), (Start: 6 @7252 has 83 MA's), (24, 7444), (30, 7525), (35, 7576),

Gene: Schaffner_8 Start: 7952, Stop: 8347, Start Num: 6

Candidate Starts for Schaffner_8:

(Start: 6 @7952 has 83 MA's), (26, 8144), (29, 8189),

Gene: ShakeltOph_7 Start: 6172, Stop: 6573, Start Num: 6

Candidate Starts for ShakeltOph_7:

(Start: 6 @6172 has 83 MA's), (29, 6409),

Gene: Simpson_8 Start: 7843, Stop: 8250, Start Num: 6

Candidate Starts for Simpson_8:

(Start: 6 @7843 has 83 MA's), (26, 8035),

Gene: Skelbel_8 Start: 7827, Stop: 8234, Start Num: 6

Candidate Starts for Skelbel_8:

(Start: 6 @7827 has 83 MA's), (25, 8016), (26, 8019), (28, 8025), (29, 8064),

Gene: Snek_8 Start: 6968, Stop: 7366, Start Num: 6

Candidate Starts for Snek_8:

(Start: 6 @6968 has 83 MA's),

Gene: Soondubu_8 Start: 7865, Stop: 8263, Start Num: 6

Candidate Starts for Soondubu_8:

(Start: 6 @7865 has 83 MA's), (22, 8045), (26, 8057),

Gene: Sooty_8 Start: 7253, Stop: 7720, Start Num: 6

Candidate Starts for Sooty_8:

(2, 7202), (Start: 6 @7253 has 83 MA's), (24, 7445), (30, 7526), (35, 7577),

Gene: SpecialK_8 Start: 7250, Stop: 7717, Start Num: 6

Candidate Starts for SpecialK_8:

(2, 7199), (Start: 6 @7250 has 83 MA's), (24, 7442), (30, 7523),

Gene: StrongArm_16 Start: 13900, Stop: 14349, Start Num: 10

Candidate Starts for StrongArm_16:

(Start: 10 @13900 has 11 MA's), (14, 13924), (37, 14236), (41, 14311),

Gene: Stuu_8 Start: 7343, Stop: 7810, Start Num: 6

Candidate Starts for Stuu_8:

(2, 7292), (Start: 6 @7343 has 83 MA's), (24, 7535), (30, 7616),

Gene: SuMoo_7 Start: 6373, Stop: 6852, Start Num: 6

Candidate Starts for SuMoo_7:

(Start: 6 @6373 has 83 MA's), (31, 6649), (44, 6844),

Gene: Subaru_8 Start: 7827, Stop: 8234, Start Num: 6

Candidate Starts for Subaru_8:

(Start: 6 @7827 has 83 MA's), (25, 8016), (26, 8019), (28, 8025), (29, 8064),

Gene: Sue2_8 Start: 7875, Stop: 8270, Start Num: 6

Candidate Starts for Sue2_8:

(Start: 6 @7875 has 83 MA's), (29, 8112),

Gene: SuperHands_9 Start: 8209, Stop: 8697, Start Num: 6

Candidate Starts for SuperHands_9:

(Start: 6 @8209 has 83 MA's), (15, 8254), (30, 8479), (34, 8524), (39, 8617),

Gene: Tallboi_8 Start: 7862, Stop: 8269, Start Num: 6

Candidate Starts for Tallboi_8:

(Start: 6 @7862 has 83 MA's), (26, 8054),

Gene: Tbone_8 Start: 7839, Stop: 8246, Start Num: 6

Candidate Starts for Tbone_8:

(Start: 6 @7839 has 83 MA's), (26, 8031),

Gene: TforTroy_8 Start: 7981, Stop: 8379, Start Num: 6

Candidate Starts for TforTroy_8:

(4, 7975), (Start: 6 @7981 has 83 MA's), (26, 8173), (29, 8218),

Gene: ThursdayNight_7 Start: 6385, Stop: 6780, Start Num: 6
Candidate Starts for ThursdayNight_7:
(Start: 6 @6385 has 83 MA's), (16, 6436), (24, 6571), (29, 6622),

Gene: Tian_8 Start: 7873, Stop: 8280, Start Num: 6
Candidate Starts for Tian_8:
(Start: 6 @7873 has 83 MA's), (26, 8065), (29, 8110),

Gene: Tripl3t_18 Start: 13860, Stop: 14309, Start Num: 10
Candidate Starts for Tripl3t_18:
(Start: 10 @13860 has 11 MA's), (14, 13884), (37, 14196), (41, 14271),

Gene: Tuck_9 Start: 8887, Stop: 9315, Start Num: 6
Candidate Starts for Tuck_9:
(Start: 6 @8887 has 83 MA's), (26, 9079),

Gene: Turab_8 Start: 7857, Stop: 8264, Start Num: 6
Candidate Starts for Turab_8:
(Start: 6 @7857 has 83 MA's), (26, 8049), (29, 8094),

Gene: Tutumahutu_8 Start: 7893, Stop: 8300, Start Num: 6
Candidate Starts for Tutumahutu_8:
(Start: 6 @7893 has 83 MA's), (26, 8085),

Gene: Tweety19_8 Start: 6967, Stop: 7365, Start Num: 6
Candidate Starts for Tweety19_8:
(Start: 6 @6967 has 83 MA's),

Gene: UtzChips_7 Start: 7094, Stop: 7573, Start Num: 6
Candidate Starts for UtzChips_7:
(5, 7088), (Start: 6 @7094 has 83 MA's), (44, 7565),

Gene: VResidence_8 Start: 7916, Stop: 8323, Start Num: 6
Candidate Starts for VResidence_8:
(Start: 6 @7916 has 83 MA's), (26, 8108),

Gene: VroomVroom_7 Start: 6184, Stop: 6585, Start Num: 6
Candidate Starts for VroomVroom_7:
(Start: 6 @6184 has 83 MA's), (29, 6421),

Gene: Warda_8 Start: 7839, Stop: 8246, Start Num: 6
Candidate Starts for Warda_8:
(Start: 6 @7839 has 83 MA's), (26, 8031),

Gene: Wildwest_9 Start: 8762, Stop: 9178, Start Num: 6
Candidate Starts for Wildwest_9:
(Start: 6 @8762 has 83 MA's), (26, 8954), (30, 9029),

Gene: Yang_8 Start: 7957, Stop: 8352, Start Num: 6
Candidate Starts for Yang_8:
(Start: 6 @7957 has 83 MA's), (26, 8149), (29, 8194),

Gene: YesChef_8 Start: 7893, Stop: 8300, Start Num: 6
Candidate Starts for YesChef_8:
(Start: 6 @7893 has 83 MA's), (26, 8085),

Gene: Zeta1847_7 Start: 6205, Stop: 6684, Start Num: 6
Candidate Starts for Zeta1847_7:
(Start: 6 @6205 has 83 MA's), (12, 6235), (45, 6679),