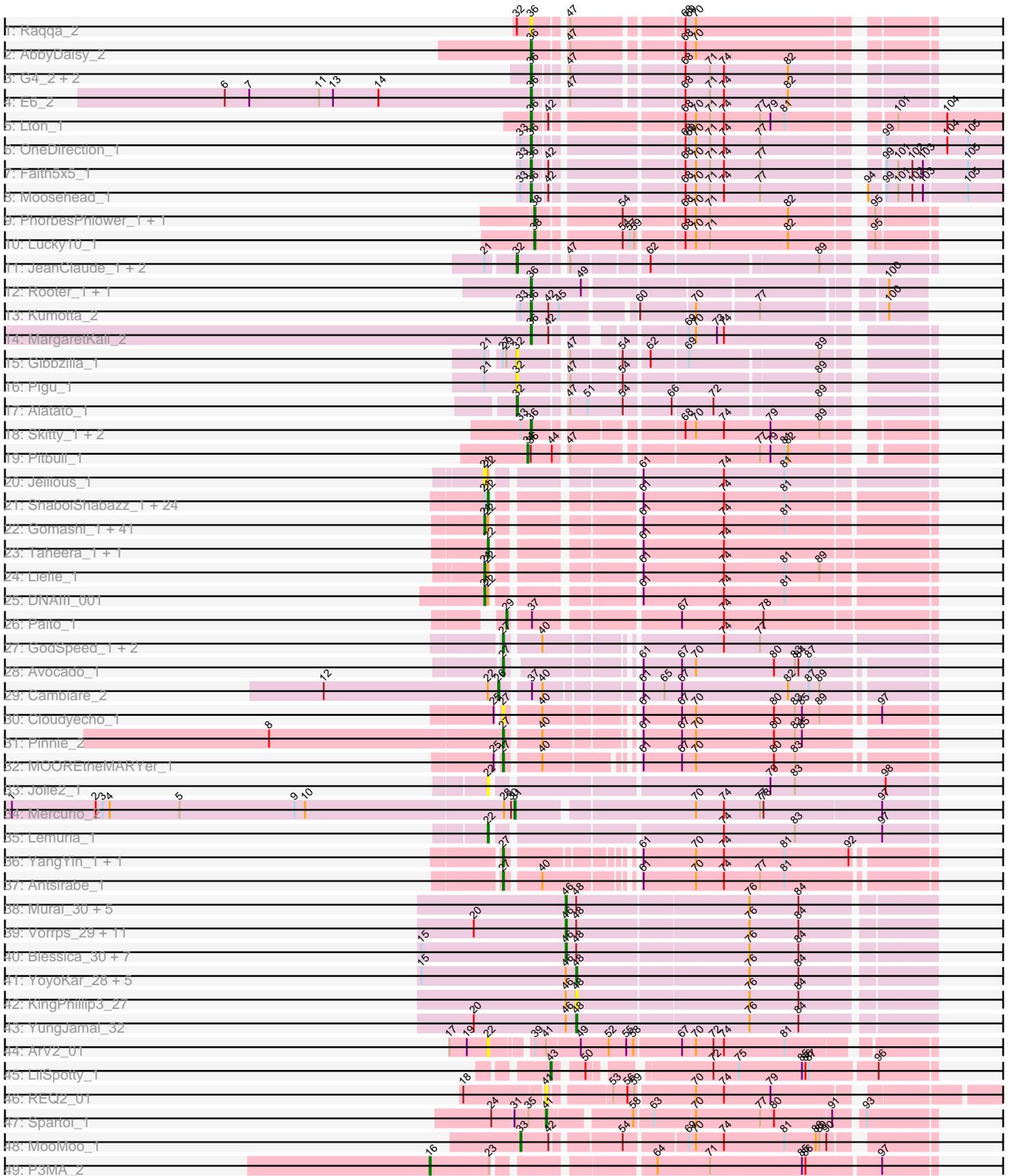


Pham 290907



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 290907 Report

This analysis was run 03/28/26 on database version 641.

Pham number 290907 has 154 members, 28 are drafts.

Phages represented in each track:

- Track 1 : Raqqa_2
- Track 2 : AbbyDaisy_2
- Track 3 : G4_2, B22_2, Doucette_2
- Track 4 : E6_2
- Track 5 : Lton_1
- Track 6 : OneDirection_1
- Track 7 : Faith5x5_1
- Track 8 : Moosehead_1
- Track 9 : PhorbesPhlower_1, Morkie_1
- Track 10 : Lucky10_1
- Track 11 : JeanClaude_1, Sarge_1, BrayBeast_1
- Track 12 : Rooter_1, Shoya_1
- Track 13 : Kumotta_2
- Track 14 : MargaretKali_2
- Track 15 : Gibbzilla_1
- Track 16 : Pigu_1
- Track 17 : Alatato_1
- Track 18 : Skitty_1, Merpity_1, MrSmee_1
- Track 19 : Pitbull_1
- Track 20 : Jeilious_1
- Track 21 : ShaboiShabazz_1, Peeb_1, Sweets_1, Maliketh_1, Cherrybomb426_1, Sizemore_1, Darionha_1, Mowgli_1, TinaBug_1, Ruriko_1, Schiebel_1, GoldenAsh_1, Phish_1, AizenPogi_1, Grizzly_1, DingDing_1, Hotshotbaby7_1, Rattrick_1, PinkYoshi_1, Kasen3_1, MZKinsey_1, Wendigo_1, Plagueis_1, DMoney_1, Olga_1
- Track 22 : Gomashi_1, Phloodle_1, CassieYates_1, Marmie_1, Crespo_1, Aroostook_1, Rabbs_1, Barkley26_1, Angel_1, Phreak_1, BruceB_1, ECartman_1, Hope_1, Halo_1, Gideon_1, LouisV14_1, Jolene_1, Frosty24_1, Avrafan_1, Jane_1, JorRay_1, TomBrady_1, BPs_1, CLED96_1, ZoMa_1, Jonghyun_1, Zombie_1, Camri_1, OctaviousRex_1, Annihilator_1, Renaissance_1, Neoh_1, Kareem_1, Remy19_1, Cedasite_1, Periodt_1, AzulaCat_1, Chance64_1, Richarlison_1, Sneeze_1, BQuat_1, Coleslaw_1
- Track 23 : Taheera_1, Terror_1
- Track 24 : Liefie_1
- Track 25 : DNAIII_001
- Track 26 : Paito_1
- Track 27 : GodSpeed_1, Pace1224_1, FlagStaff_1

- Track 28 : Avocado_1
- Track 29 : Cambiare_2
- Track 30 : Cloudyecho_1
- Track 31 : Pinnie_2
- Track 32 : MOOREtheMARYer_1
- Track 33 : Jolie2_1
- Track 34 : Mercurio_2
- Track 35 : Lemuria_1
- Track 36 : YangYin_1, Stargaze_1
- Track 37 : Antsirabe_1
- Track 38 : Murai_30, Familton_30, Idergollasper_29, FoulBall_29, JangDynasty_29, TelAviv_27
- Track 39 : Vorrps_29, Corndog_31, Bora_27, Wildflower_30, Ashwin_31, Mori_29, NiebruSaylor_29, Zakhe101_30, Shida_30, Dylan_29, Firecracker_30, Krili_29
- Track 40 : Blessica_30, Zebo_29, MadKillah_31, Smooch_32, Wogge42_29, Schuy_31, Alkhayr_30, Vagabond_30
- Track 41 : YoyoKar_28, Imara_28, SchoolBus_29, Winget_30, Ryadel_32, Catdawg_29
- Track 42 : KingPhillip3_27
- Track 43 : YungJamal_32
- Track 44 : ArV2_01
- Track 45 : LilSpotty_1
- Track 46 : REQ2_01
- Track 47 : Spartoi_1
- Track 48 : MooMoo_1
- Track 49 : P3MA_2

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

The start number called the most often in the published annotations is 21, it was called in 41 of the 126 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Angel_1, Annihilator_1, Aroostook_1, Avrafan_1, AzulaCat_1, BPs_1, BQuat_1, Barkley26_1, BruceB_1, CLED96_1, Camri_1, CassieYates_1, Cedasite_1, Chance64_1, Coleslaw_1, Crespo_1, DNAIII_001, ECartman_1, Frosty24_1, Gideon_1, Gomashi_1, Halo_1, Hope_1, Jane_1, Jeilious_1, Jolene_1, Jonghyun_1, JorRay_1, Kareem_1, Liefie_1, LouisV14_1, Marmie_1, Neoh_1, OctaviousRex_1, Periodt_1, Phloodle_1, Phreak_1, Rabbs_1, Remy19_1, Renaissance_1, Richarlison_1, Sneeze_1, TomBrady_1, ZoMa_1, Zombie_1,

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

- AizenPogi_1, BrayBeast_1, Cherrybomb426_1, DMoney_1, Darionha_1, DingDing_1, Gibbzilla_1, GoldenAsh_1, Grizzly_1, Hotshotbaby7_1, JeanClaude_1, Kasen3_1, MZKinsey_1, Maliketh_1, Mowgli_1, Olga_1, Peeb_1, Phish_1, Pigu_1, PinkYoshi_1, Plagueis_1, Rattrick_1, Ruriko_1, Sarge_1, Schiebel_1, ShaboiShabazz_1, Sizemore_1, Sweets_1, TinaBug_1, Wendigo_1,

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

- AbbyDaisy_2, Alatato_1, Alkhayr_30, Antsirabe_1, ArV2_01, Ashwin_31, Avocado_1, B22_2, Blessica_30, Bora_27, Cambiare_2, Catdawg_29, Cloudyecho_1, Corndog_31, Doucette_2, Dylan_29, E6_2, Faith5x5_1, Familton_30, Firecracker_30, FlagStaff_1, FoulBall_29, G4_2, GodSpeed_1, Idergollasper_29, Imara_28, JangDynasty_29, Jolie2_1, KingPhillip3_27, Kriili_29, Kumotta_2, Lemuria_1, LilSpotty_1, Lton_1, Lucky10_1, MOOREtheMARYer_1, MadKillah_31, MargaretKali_2, Mercurio_2, Merpity_1, MooMoo_1, Moosehead_1, Mori_29, Morkie_1, MrSmee_1, Murai_30, NiebruSaylor_29, OneDirection_1, P3MA_2, Pace1224_1, Paito_1, PhorbPhlower_1, Pinnie_2, Pitbull_1, REQ2_01, Raqqa_2, Rooter_1, Ryadel_32, SchoolBus_29, Schuy_31, Shida_30, Shoya_1, Skitty_1, Smooch_32, Spartoi_1, Stargaze_1, Taheera_1, TelAviv_27, Terror_1, Vagabond_30, Vorrrps_29, Wildflower_30, Winget_30, Wogge42_29, YangYin_1, YoyoKar_28, YungJamal_32, Zakhe101_30, Zebo_29,

Summary by start number:

Start 16:

- Found in 1 of 154 (0.6%) of genes in pham
- Manual Annotations of this start: 1 of 126
- Called 100.0% of time when present
- Phage (with cluster) where this start called: P3MA_2 (singleton),

Start 21:

- Found in 75 of 154 (48.7%) of genes in pham
- Manual Annotations of this start: 41 of 126
- Called 60.0% of time when present
- Phage (with cluster) where this start called: Angel_1 (G1), Annihilator_1 (G1), Aroostook_1 (G1), Avrafan_1 (G1), AzulaCat_1 (G1), BPs_1 (G1), BQuat_1 (G1), Barkley26_1 (G1), BruceB_1 (G1), CLED96_1 (G1), Camri_1 (G1), CassieYates_1 (G1), Cedasite_1 (G1), Chance64_1 (G1), Coleslaw_1 (G1), Crespo_1 (G1), DNAIII_001 (G1), ECartman_1 (G1), Frosty24_1 (G1), Gideon_1 (G1), Gomashi_1 (G1), Halo_1 (G1), Hope_1 (G1), Jane_1 (G1), Jeilious_1 (G), Jolene_1 (G1), Jonghyun_1 (G1), JorRay_1 (G1), Kareem_1 (G1), Liefie_1 (G1), LouisV14_1 (G1), Marmie_1 (G1), Neoh_1 (G), OctaviousRex_1 (G1), Periodt_1 (G1), Phloodle_1 (G1), Phreak_1 (G1), Rabbs_1 (G1), Remy19_1 (G1), Renaissance_1 (G1), Richarlison_1 (G1), Sneeze_1 (G1), TomBrady_1 (G1), ZoMa_1 (G1), Zombie_1 (G1),

Start 22:

- Found in 76 of 154 (49.4%) of genes in pham
- Manual Annotations of this start: 21 of 126
- Called 39.5% of time when present
- Phage (with cluster) where this start called: AizenPogi_1 (G1), ArV2_01 (singleton), Cherrybomb426_1 (G1), DMoney_1 (G1), Darionha_1 (G1), DingDing_1 (G1), GoldenAsh_1 (G1), Grizzly_1 (G1), Hotshotbaby7_1 (G1), Jolie2_1 (G4), Kasen3_1 (G1), Lemuria_1 (G4), MZKinsey_1 (G1), Maliketh_1 (G1), Mowgli_1 (G1), Olga_1 (G1), Peeb_1 (G1), Phish_1 (G1), PinkYoshi_1 (G1), Plagueis_1 (G1), Rattrick_1 (G1), Ruriko_1 (G1), Schiebel_1 (G1), ShaboiShabazz_1 (G1), Sizemore_1 (G1), Sweets_1 (G1), Taheera_1 (G1), Terror_1 (G1), TinaBug_1 (G1), Wendigo_1 (G1),

Start 26:

- Found in 1 of 154 (0.6%) of genes in pham
- Manual Annotations of this start: 1 of 126
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Cambiare_2 (G2),

Start 27:

- Found in 11 of 154 (7.1%) of genes in pham
- Manual Annotations of this start: 6 of 126
- Called 90.9% of time when present
- Phage (with cluster) where this start called: Antsirabe_1 (G5), Avocado_1 (G2), Cloudyecho_1 (G3), FlagStaff_1 (G2), GodSpeed_1 (G2), MOOREtheMARRYer_1 (G3), Pace1224_1 (G2), Pinnie_2 (G3), Stargaze_1 (G5), YangYin_1 (G5),

Start 29:

- Found in 2 of 154 (1.3%) of genes in pham
- Manual Annotations of this start: 1 of 126
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Paito_1 (G1),

Start 31:

- Found in 2 of 154 (1.3%) of genes in pham
- Manual Annotations of this start: 1 of 126
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Mercurio_2 (G4),

Start 32:

- Found in 7 of 154 (4.5%) of genes in pham
- Manual Annotations of this start: 3 of 126
- Called 85.7% of time when present
- Phage (with cluster) where this start called: Alatato_1 (FB), BrayBeast_1 (FB), Gibbzilla_1 (FB), JeanClaude_1 (FB), Pigu_1 (FB), Sarge_1 (FB),

Start 33:

- Found in 8 of 154 (5.2%) of genes in pham
- Manual Annotations of this start: 1 of 126
- Called 12.5% of time when present
- Phage (with cluster) where this start called: MooMoo_1 (singleton),

Start 34:

- Found in 1 of 154 (0.6%) of genes in pham
- Manual Annotations of this start: 1 of 126
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Pitbull_1 (FQ),

Start 36:

- Found in 18 of 154 (11.7%) of genes in pham
- Manual Annotations of this start: 14 of 126
- Called 94.4% of time when present
- Phage (with cluster) where this start called: AbbyDaisy_2 (AY), B22_2 (BW), Doucette_2 (BW), E6_2 (BW), Faith5x5_1 (CZ6), G4_2 (BW), Kumotta_2 (FB), Lton_1 (CZ), MargaretKali_2 (FB), Merpity_1 (FQ), Moosehead_1 (CZ6), MrSmee_1 (FQ), OneDirection_1 (CZ6), Raqqa_2 (AY), Rooter_1 (FB), Shoya_1 (FB), Skitty_1 (FQ),

Start 38:

- Found in 3 of 154 (1.9%) of genes in pham

- Manual Annotations of this start: 3 of 126
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Lucky10_1 (DH), Morkie_1 (DH), PhorbesPhlower_1 (DH),

Start 41:

- Found in 3 of 154 (1.9%) of genes in pham
- Manual Annotations of this start: 1 of 126
- Called 66.7% of time when present
- Phage (with cluster) where this start called: REQ2_01 (singleton), Spartoi_1 (singleton),

Start 43:

- Found in 1 of 154 (0.6%) of genes in pham
- Manual Annotations of this start: 1 of 126
- Called 100.0% of time when present
- Phage (with cluster) where this start called: LilSpotty_1 (singleton),

Start 46:

- Found in 34 of 154 (22.1%) of genes in pham
- Manual Annotations of this start: 25 of 126
- Called 76.5% of time when present
- Phage (with cluster) where this start called: Alkhayr_30 (O), Ashwin_31 (O), Blessica_30 (O), Bora_27 (O), Corndog_31 (O), Dylan_29 (O), Familton_30 (O), Firecracker_30 (O), FoulBall_29 (O), Idergollasper_29 (O), JangDynasty_29 (O), Kriili_29 (O), MadKillah_31 (O), Mori_29 (O), Murai_30 (O), NiebruSaylor_29 (O), Schuy_31 (O), Shida_30 (O), Smooch_32 (O), TelAviv_27 (O), Vagabond_30 (O), Vorrrps_29 (O), Wildflower_30 (O), Wogge42_29 (O), Zakhe101_30 (O), Zebo_29 (O),

Start 48:

- Found in 34 of 154 (22.1%) of genes in pham
- Manual Annotations of this start: 5 of 126
- Called 23.5% of time when present
- Phage (with cluster) where this start called: Catdawg_29 (O), Imara_28 (O), KingPhillip3_27 (O), Ryadel_32 (O), SchoolBus_29 (O), Winget_30 (O), YoyoKar_28 (O), YungJamal_32 (O),

Summary by clusters:

There are 15 clusters represented in this pham: FQ, singleton, G4, G3, G2, G, CZ6, G5, O, CZ, FB, BW, DH, AY, G1,

Info for manual annotations of cluster AY:

- Start number 36 was manually annotated 1 time for cluster AY.

Info for manual annotations of cluster BW:

- Start number 36 was manually annotated 4 times for cluster BW.

Info for manual annotations of cluster CZ:

- Start number 36 was manually annotated 1 time for cluster CZ.

Info for manual annotations of cluster CZ6:

- Start number 36 was manually annotated 3 times for cluster CZ6.

Info for manual annotations of cluster DH:

- Start number 38 was manually annotated 3 times for cluster DH.

Info for manual annotations of cluster FB:

- Start number 32 was manually annotated 3 times for cluster FB.
- Start number 36 was manually annotated 3 times for cluster FB.

Info for manual annotations of cluster FQ:

- Start number 34 was manually annotated 1 time for cluster FQ.
- Start number 36 was manually annotated 2 times for cluster FQ.

Info for manual annotations of cluster G1:

- Start number 21 was manually annotated 41 times for cluster G1.
- Start number 22 was manually annotated 20 times for cluster G1.
- Start number 29 was manually annotated 1 time for cluster G1.

Info for manual annotations of cluster G2:

- Start number 26 was manually annotated 1 time for cluster G2.
- Start number 27 was manually annotated 2 times for cluster G2.

Info for manual annotations of cluster G3:

- Start number 27 was manually annotated 2 times for cluster G3.

Info for manual annotations of cluster G4:

- Start number 22 was manually annotated 1 time for cluster G4.
- Start number 31 was manually annotated 1 time for cluster G4.

Info for manual annotations of cluster G5:

- Start number 27 was manually annotated 2 times for cluster G5.

Info for manual annotations of cluster O:

- Start number 46 was manually annotated 25 times for cluster O.
- Start number 48 was manually annotated 5 times for cluster O.

Gene Information:

Gene: AbbyDaisy_2 Start: 413, Stop: 712, Start Num: 36

Candidate Starts for AbbyDaisy_2:

(Start: 36 @413 has 14 MA's), (47, 437), (68, 521), (70, 530),

Gene: AizenPogi_1 Start: 46, Stop: 387, Start Num: 22

Candidate Starts for AizenPogi_1:

(Start: 21 @43 has 41 MA's), (Start: 22 @46 has 21 MA's), (61, 148), (74, 217), (81, 268),

Gene: Alatato_1 Start: 48, Stop: 362, Start Num: 32

Candidate Starts for Alatato_1:

(Start: 32 @48 has 3 MA's), (47, 84), (51, 99), (54, 129), (66, 165), (72, 198), (89, 282),

Gene: Alkhayr_30 Start: 13181, Stop: 13480, Start Num: 46

Candidate Starts for Alkhayr_30:

(15, 13058), (Start: 46 @13181 has 25 MA's), (Start: 48 @13190 has 5 MA's), (76, 13331), (84, 13373),

Gene: Angel_1 Start: 43, Stop: 387, Start Num: 21

Candidate Starts for Angel_1:

(Start: 21 @43 has 41 MA's), (Start: 22 @46 has 21 MA's), (61, 148), (74, 217), (81, 268),

Gene: Annihilator_1 Start: 43, Stop: 387, Start Num: 21

Candidate Starts for Annihilator_1:

(Start: 21 @43 has 41 MA's), (Start: 22 @46 has 21 MA's), (61, 148), (74, 217), (81, 268),

Gene: Antsirabe_1 Start: 53, Stop: 382, Start Num: 27

Candidate Starts for Antsirabe_1:

(Start: 27 @53 has 6 MA's), (40, 80), (61, 146), (70, 191), (74, 215), (77, 245), (81, 266),

Gene: ArV2_01 Start: 36, Stop: 380, Start Num: 22

Candidate Starts for ArV2_01:

(17, 3), (19, 18), (Start: 22 @36 has 21 MA's), (39, 66), (Start: 41 @75 has 1 MA's), (49, 102), (52, 126), (55, 141), (58, 147), (67, 186), (70, 195), (72, 210), (74, 219), (81, 270),

Gene: Aroostook_1 Start: 43, Stop: 387, Start Num: 21

Candidate Starts for Aroostook_1:

(Start: 21 @43 has 41 MA's), (Start: 22 @46 has 21 MA's), (61, 148), (74, 217), (81, 268),

Gene: Ashwin_31 Start: 13191, Stop: 13490, Start Num: 46

Candidate Starts for Ashwin_31:

(20, 13113), (Start: 46 @13191 has 25 MA's), (Start: 48 @13200 has 5 MA's), (76, 13341), (84, 13383),

Gene: Avocado_1 Start: 54, Stop: 380, Start Num: 27

Candidate Starts for Avocado_1:

(Start: 27 @54 has 6 MA's), (61, 144), (67, 177), (70, 189), (80, 255), (83, 273), (84, 276), (87, 285),

Gene: Avrafan_1 Start: 43, Stop: 387, Start Num: 21

Candidate Starts for Avrafan_1:

(Start: 21 @43 has 41 MA's), (Start: 22 @46 has 21 MA's), (61, 148), (74, 217), (81, 268),

Gene: AzulaCat_1 Start: 43, Stop: 387, Start Num: 21

Candidate Starts for AzulaCat_1:

(Start: 21 @43 has 41 MA's), (Start: 22 @46 has 21 MA's), (61, 148), (74, 217), (81, 268),

Gene: B22_2 Start: 706, Stop: 1002, Start Num: 36

Candidate Starts for B22_2:

(Start: 36 @706 has 14 MA's), (47, 727), (68, 811), (71, 832), (74, 844), (82, 898),

Gene: BPs_1 Start: 43, Stop: 387, Start Num: 21

Candidate Starts for BPs_1:

(Start: 21 @43 has 41 MA's), (Start: 22 @46 has 21 MA's), (61, 148), (74, 217), (81, 268),

Gene: BQuat_1 Start: 43, Stop: 387, Start Num: 21

Candidate Starts for BQuat_1:

(Start: 21 @43 has 41 MA's), (Start: 22 @46 has 21 MA's), (61, 148), (74, 217), (81, 268),

Gene: Barkley26_1 Start: 43, Stop: 387, Start Num: 21

Candidate Starts for Barkley26_1:

(Start: 21 @43 has 41 MA's), (Start: 22 @46 has 21 MA's), (61, 148), (74, 217), (81, 268),

Gene: Blessica_30 Start: 13214, Stop: 13513, Start Num: 46

Candidate Starts for Blessica_30:

(15, 13091), (Start: 46 @13214 has 25 MA's), (Start: 48 @13223 has 5 MA's), (76, 13364), (84, 13406),

Gene: Bora_27 Start: 12644, Stop: 12943, Start Num: 46

Candidate Starts for Bora_27:

(20, 12566), (Start: 46 @12644 has 25 MA's), (Start: 48 @12653 has 5 MA's), (76, 12794), (84, 12836),

Gene: BrayBeast_1 Start: 49, Stop: 357, Start Num: 32

Candidate Starts for BrayBeast_1:

(Start: 21 @28 has 41 MA's), (Start: 32 @49 has 3 MA's), (47, 85), (62, 142), (89, 277),

Gene: BruceB_1 Start: 43, Stop: 387, Start Num: 21

Candidate Starts for BruceB_1:

(Start: 21 @43 has 41 MA's), (Start: 22 @46 has 21 MA's), (61, 148), (74, 217), (81, 268),

Gene: CLED96_1 Start: 43, Stop: 387, Start Num: 21

Candidate Starts for CLED96_1:

(Start: 21 @43 has 41 MA's), (Start: 22 @46 has 21 MA's), (61, 148), (74, 217), (81, 268),

Gene: Cambiare_2 Start: 534, Stop: 869, Start Num: 26

Candidate Starts for Cambiare_2:

(12, 384), (Start: 22 @525 has 21 MA's), (Start: 26 @534 has 1 MA's), (37, 555), (40, 564), (61, 633), (65, 651), (67, 666), (82, 756), (87, 774), (89, 783),

Gene: Camri_1 Start: 43, Stop: 387, Start Num: 21

Candidate Starts for Camri_1:

(Start: 21 @43 has 41 MA's), (Start: 22 @46 has 21 MA's), (61, 148), (74, 217), (81, 268),

Gene: CassieYates_1 Start: 43, Stop: 387, Start Num: 21

Candidate Starts for CassieYates_1:

(Start: 21 @43 has 41 MA's), (Start: 22 @46 has 21 MA's), (61, 148), (74, 217), (81, 268),

Gene: Catdawg_29 Start: 12829, Stop: 13119, Start Num: 48

Candidate Starts for Catdawg_29:

(15, 12697), (Start: 46 @12820 has 25 MA's), (Start: 48 @12829 has 5 MA's), (76, 12970), (84, 13012),

Gene: Cedasite_1 Start: 43, Stop: 387, Start Num: 21

Candidate Starts for Cedasite_1:

(Start: 21 @43 has 41 MA's), (Start: 22 @46 has 21 MA's), (61, 148), (74, 217), (81, 268),

Gene: Chance64_1 Start: 43, Stop: 387, Start Num: 21

Candidate Starts for Chance64_1:

(Start: 21 @43 has 41 MA's), (Start: 22 @46 has 21 MA's), (61, 148), (74, 217), (81, 268),

Gene: Cherrybomb426_1 Start: 46, Stop: 387, Start Num: 22

Candidate Starts for Cherrybomb426_1:

(Start: 21 @43 has 41 MA's), (Start: 22 @46 has 21 MA's), (61, 148), (74, 217), (81, 268),

Gene: Cloudyecho_1 Start: 52, Stop: 381, Start Num: 27

Candidate Starts for Cloudyecho_1:

(25, 49), (Start: 27 @52 has 6 MA's), (40, 79), (61, 145), (67, 178), (70, 190), (80, 256), (83, 274), (85, 280), (89, 295), (97, 337),

Gene: Coleslaw_1 Start: 43, Stop: 387, Start Num: 21

Candidate Starts for Coleslaw_1:

(Start: 21 @43 has 41 MA's), (Start: 22 @46 has 21 MA's), (61, 148), (74, 217), (81, 268),

Gene: Corndog_31 Start: 13270, Stop: 13569, Start Num: 46

Candidate Starts for Corndog_31:

(20, 13192), (Start: 46 @13270 has 25 MA's), (Start: 48 @13279 has 5 MA's), (76, 13420), (84, 13462),

Gene: Crespo_1 Start: 44, Stop: 388, Start Num: 21

Candidate Starts for Crespo_1:

(Start: 21 @44 has 41 MA's), (Start: 22 @47 has 21 MA's), (61, 149), (74, 218), (81, 269),

Gene: DMoney_1 Start: 46, Stop: 387, Start Num: 22

Candidate Starts for DMoney_1:

(Start: 21 @43 has 41 MA's), (Start: 22 @46 has 21 MA's), (61, 148), (74, 217), (81, 268),

Gene: DNAIII_001 Start: 52, Stop: 396, Start Num: 21

Candidate Starts for DNAIII_001:

(Start: 21 @52 has 41 MA's), (Start: 22 @55 has 21 MA's), (61, 157), (74, 226), (81, 277),

Gene: Darionha_1 Start: 46, Stop: 387, Start Num: 22

Candidate Starts for Darionha_1:

(Start: 21 @43 has 41 MA's), (Start: 22 @46 has 21 MA's), (61, 148), (74, 217), (81, 268),

Gene: DingDing_1 Start: 46, Stop: 387, Start Num: 22

Candidate Starts for DingDing_1:

(Start: 21 @43 has 41 MA's), (Start: 22 @46 has 21 MA's), (61, 148), (74, 217), (81, 268),

Gene: Doucette_2 Start: 706, Stop: 1002, Start Num: 36

Candidate Starts for Doucette_2:

(Start: 36 @706 has 14 MA's), (47, 727), (68, 811), (71, 832), (74, 844), (82, 898),

Gene: Dylan_29 Start: 12996, Stop: 13295, Start Num: 46

Candidate Starts for Dylan_29:

(20, 12918), (Start: 46 @12996 has 25 MA's), (Start: 48 @13005 has 5 MA's), (76, 13146), (84, 13188),

Gene: E6_2 Start: 707, Stop: 1003, Start Num: 36

Candidate Starts for E6_2:

(6, 446), (7, 467), (11, 527), (13, 539), (14, 578), (Start: 36 @707 has 14 MA's), (47, 728), (68, 812), (71, 833), (74, 845), (82, 899),

Gene: ECartman_1 Start: 43, Stop: 387, Start Num: 21

Candidate Starts for ECartman_1:

(Start: 21 @43 has 41 MA's), (Start: 22 @46 has 21 MA's), (61, 148), (74, 217), (81, 268),

Gene: Faith5x5_1 Start: 103, Stop: 465, Start Num: 36

Candidate Starts for Faith5x5_1:

(Start: 33 @97 has 1 MA's), (Start: 36 @103 has 14 MA's), (42, 115), (68, 214), (70, 223), (71, 235), (74, 247), (77, 277), (99, 364), (101, 373), (102, 385), (103, 394), (105, 430),

Gene: Familton_30 Start: 12824, Stop: 13123, Start Num: 46

Candidate Starts for Familton_30:

(Start: 46 @12824 has 25 MA's), (Start: 48 @12833 has 5 MA's), (76, 12974), (84, 13016),

Gene: Firecracker_30 Start: 12894, Stop: 13193, Start Num: 46

Candidate Starts for Firecracker_30:

(20, 12816), (Start: 46 @12894 has 25 MA's), (Start: 48 @12903 has 5 MA's), (76, 13044), (84, 13086),

Gene: FlagStaff_1 Start: 52, Stop: 387, Start Num: 27

Candidate Starts for FlagStaff_1:

(Start: 27 @52 has 6 MA's), (40, 79), (74, 214), (77, 244),

Gene: FoulBall_29 Start: 12818, Stop: 13117, Start Num: 46

Candidate Starts for FoulBall_29:

(Start: 46 @12818 has 25 MA's), (Start: 48 @12827 has 5 MA's), (76, 12968), (84, 13010),

Gene: Frosty24_1 Start: 43, Stop: 387, Start Num: 21

Candidate Starts for Frosty24_1:

(Start: 21 @43 has 41 MA's), (Start: 22 @46 has 21 MA's), (61, 148), (74, 217), (81, 268),

Gene: G4_2 Start: 706, Stop: 1002, Start Num: 36

Candidate Starts for G4_2:

(Start: 36 @706 has 14 MA's), (47, 727), (68, 811), (71, 832), (74, 844), (82, 898),

Gene: Gibbzilla_1 Start: 49, Stop: 357, Start Num: 32

Candidate Starts for Gibbzilla_1:

(Start: 21 @28 has 41 MA's), (Start: 27 @37 has 6 MA's), (Start: 29 @40 has 1 MA's), (Start: 32 @49 has 3 MA's), (47, 85), (54, 124), (62, 142), (69, 172), (89, 277),

Gene: Gideon_1 Start: 43, Stop: 387, Start Num: 21

Candidate Starts for Gideon_1:

(Start: 21 @43 has 41 MA's), (Start: 22 @46 has 21 MA's), (61, 148), (74, 217), (81, 268),

Gene: GodSpeed_1 Start: 52, Stop: 387, Start Num: 27

Candidate Starts for GodSpeed_1:

(Start: 27 @52 has 6 MA's), (40, 79), (74, 214), (77, 244),

Gene: GoldenAsh_1 Start: 46, Stop: 387, Start Num: 22

Candidate Starts for GoldenAsh_1:

(Start: 21 @43 has 41 MA's), (Start: 22 @46 has 21 MA's), (61, 148), (74, 217), (81, 268),

Gene: Gomashi_1 Start: 44, Stop: 388, Start Num: 21

Candidate Starts for Gomashi_1:

(Start: 21 @44 has 41 MA's), (Start: 22 @47 has 21 MA's), (61, 149), (74, 218), (81, 269),

Gene: Grizzly_1 Start: 46, Stop: 387, Start Num: 22

Candidate Starts for Grizzly_1:

(Start: 21 @43 has 41 MA's), (Start: 22 @46 has 21 MA's), (61, 148), (74, 217), (81, 268),

Gene: Halo_1 Start: 43, Stop: 387, Start Num: 21

Candidate Starts for Halo_1:

(Start: 21 @43 has 41 MA's), (Start: 22 @46 has 21 MA's), (61, 148), (74, 217), (81, 268),

Gene: Hope_1 Start: 43, Stop: 387, Start Num: 21

Candidate Starts for Hope_1:

(Start: 21 @43 has 41 MA's), (Start: 22 @46 has 21 MA's), (61, 148), (74, 217), (81, 268),

Gene: Hotshotbaby7_1 Start: 46, Stop: 387, Start Num: 22

Candidate Starts for Hotshotbaby7_1:

(Start: 21 @43 has 41 MA's), (Start: 22 @46 has 21 MA's), (61, 148), (74, 217), (81, 268),

Gene: Idergollasper_29 Start: 12818, Stop: 13117, Start Num: 46

Candidate Starts for Idergollasper_29:

(Start: 46 @12818 has 25 MA's), (Start: 48 @12827 has 5 MA's), (76, 12968), (84, 13010),

Gene: Imara_28 Start: 13076, Stop: 13366, Start Num: 48

Candidate Starts for Imara_28:

(15, 12944), (Start: 46 @13067 has 25 MA's), (Start: 48 @13076 has 5 MA's), (76, 13217), (84, 13259),

Gene: Jane_1 Start: 43, Stop: 387, Start Num: 21

Candidate Starts for Jane_1:

(Start: 21 @43 has 41 MA's), (Start: 22 @46 has 21 MA's), (61, 148), (74, 217), (81, 268),

Gene: JangDynasty_29 Start: 12913, Stop: 13212, Start Num: 46

Candidate Starts for JangDynasty_29:

(Start: 46 @12913 has 25 MA's), (Start: 48 @12922 has 5 MA's), (76, 13063), (84, 13105),

Gene: JeanClaude_1 Start: 49, Stop: 357, Start Num: 32

Candidate Starts for JeanClaude_1:

(Start: 21 @28 has 41 MA's), (Start: 32 @49 has 3 MA's), (47, 85), (62, 142), (89, 277),

Gene: Jeilious_1 Start: 42, Stop: 386, Start Num: 21

Candidate Starts for Jeilious_1:

(Start: 21 @42 has 41 MA's), (Start: 22 @45 has 21 MA's), (61, 147), (74, 216), (81, 267),

Gene: Jolene_1 Start: 43, Stop: 387, Start Num: 21

Candidate Starts for Jolene_1:

(Start: 21 @43 has 41 MA's), (Start: 22 @46 has 21 MA's), (61, 148), (74, 217), (81, 268),

Gene: Jolie2_1 Start: 45, Stop: 404, Start Num: 22

Candidate Starts for Jolie2_1:

(Start: 22 @45 has 21 MA's), (79, 264), (83, 285), (98, 363),

Gene: Jonghyun_1 Start: 43, Stop: 387, Start Num: 21

Candidate Starts for Jonghyun_1:

(Start: 21 @43 has 41 MA's), (Start: 22 @46 has 21 MA's), (61, 148), (74, 217), (81, 268),

Gene: JorRay_1 Start: 43, Stop: 387, Start Num: 21

Candidate Starts for JorRay_1:

(Start: 21 @43 has 41 MA's), (Start: 22 @46 has 21 MA's), (61, 148), (74, 217), (81, 268),

Gene: Kareem_1 Start: 43, Stop: 387, Start Num: 21

Candidate Starts for Kareem_1:

(Start: 21 @43 has 41 MA's), (Start: 22 @46 has 21 MA's), (61, 148), (74, 217), (81, 268),

Gene: Kasen3_1 Start: 46, Stop: 387, Start Num: 22

Candidate Starts for Kasen3_1:

(Start: 21 @43 has 41 MA's), (Start: 22 @46 has 21 MA's), (61, 148), (74, 217), (81, 268),

Gene: KingPhillip3_27 Start: 12827, Stop: 13117, Start Num: 48

Candidate Starts for KingPhillip3_27:

(Start: 46 @12818 has 25 MA's), (Start: 48 @12827 has 5 MA's), (76, 12968), (84, 13010),

Gene: Krili_29 Start: 12988, Stop: 13287, Start Num: 46

Candidate Starts for Krili_29:

(20, 12910), (Start: 46 @12988 has 25 MA's), (Start: 48 @12997 has 5 MA's), (76, 13138), (84, 13180),

Gene: Kumotta_2 Start: 743, Stop: 1042, Start Num: 36

Candidate Starts for Kumotta_2:

(Start: 33 @734 has 1 MA's), (Start: 36 @743 has 14 MA's), (42, 758), (45, 767), (60, 821), (70, 866), (77, 917), (100, 1010),

Gene: Lemuria_1 Start: 45, Stop: 404, Start Num: 22

Candidate Starts for Lemuria_1:

(Start: 22 @45 has 21 MA's), (74, 225), (83, 285), (97, 360),

Gene: Liefie_1 Start: 42, Stop: 386, Start Num: 21

Candidate Starts for Liefie_1:

(Start: 21 @42 has 41 MA's), (Start: 22 @45 has 21 MA's), (61, 147), (74, 216), (81, 267), (89, 297),

Gene: LilSpotty_1 Start: 54, Stop: 344, Start Num: 43

Candidate Starts for LilSpotty_1:

(Start: 43 @54 has 1 MA's), (50, 75), (72, 162), (75, 183), (85, 237), (86, 240), (87, 243), (96, 297),

Gene: LouisV14_1 Start: 43, Stop: 387, Start Num: 21

Candidate Starts for LouisV14_1:

(Start: 21 @43 has 41 MA's), (Start: 22 @46 has 21 MA's), (61, 148), (74, 217), (81, 268),

Gene: Lton_1 Start: 107, Stop: 469, Start Num: 36

Candidate Starts for Lton_1:

(Start: 36 @107 has 14 MA's), (42, 119), (68, 218), (70, 227), (71, 239), (74, 251), (77, 281), (79, 290), (81, 302), (101, 377), (104, 416),

Gene: Lucky10_1 Start: 45, Stop: 347, Start Num: 38

Candidate Starts for Lucky10_1:

(Start: 38 @45 has 3 MA's), (54, 111), (57, 117), (59, 120), (68, 156), (70, 165), (71, 177), (82, 243), (95, 300),

Gene: MOOREtheMARYer_1 Start: 53, Stop: 379, Start Num: 27

Candidate Starts for MOOREtheMARYer_1:

(25, 50), (Start: 27 @53 has 6 MA's), (40, 80), (61, 143), (67, 176), (70, 188), (80, 254), (83, 272),

Gene: MZKinsey_1 Start: 46, Stop: 387, Start Num: 22

Candidate Starts for MZKinsey_1:

(Start: 21 @43 has 41 MA's), (Start: 22 @46 has 21 MA's), (61, 148), (74, 217), (81, 268),

Gene: MadKillah_31 Start: 13207, Stop: 13506, Start Num: 46

Candidate Starts for MadKillah_31:

(15, 13084), (Start: 46 @13207 has 25 MA's), (Start: 48 @13216 has 5 MA's), (76, 13357), (84, 13399),

Gene: Maliketh_1 Start: 46, Stop: 387, Start Num: 22

Candidate Starts for Maliketh_1:

(Start: 21 @43 has 41 MA's), (Start: 22 @46 has 21 MA's), (61, 148), (74, 217), (81, 268),

Gene: MargaretKali_2 Start: 578, Stop: 871, Start Num: 36

Candidate Starts for MargaretKali_2:

(Start: 36 @578 has 14 MA's), (42, 593), (69, 680), (70, 686), (73, 704), (74, 710),

Gene: Marmie_1 Start: 43, Stop: 387, Start Num: 21

Candidate Starts for Marmie_1:

(Start: 21 @43 has 41 MA's), (Start: 22 @46 has 21 MA's), (61, 148), (74, 217), (81, 268),

Gene: Mercurio_2 Start: 700, Stop: 1044, Start Num: 31

Candidate Starts for Mercurio_2:

(1, 271), (2, 343), (3, 349), (4, 355), (5, 415), (9, 514), (10, 523), (28, 691), (30, 697), (Start: 31 @700 has 1 MA's), (70, 844), (74, 868), (77, 898), (78, 901), (97, 1000),

Gene: Merpity_1 Start: 51, Stop: 347, Start Num: 36

Candidate Starts for Merpity_1:

(Start: 33 @45 has 1 MA's), (Start: 36 @51 has 14 MA's), (68, 156), (70, 165), (74, 189), (79, 228), (89, 270),

Gene: MooMoo_1 Start: 63, Stop: 377, Start Num: 33

Candidate Starts for MooMoo_1:

(Start: 33 @63 has 1 MA's), (42, 87), (54, 138), (69, 186), (70, 192), (74, 216), (81, 267), (88, 294), (89, 297), (90, 303),

Gene: Moosehead_1 Start: 103, Stop: 465, Start Num: 36

Candidate Starts for Moosehead_1:

(Start: 33 @97 has 1 MA's), (Start: 36 @103 has 14 MA's), (42, 115), (68, 214), (70, 223), (71, 235), (74, 247), (77, 277), (94, 352), (99, 364), (101, 373), (102, 385), (103, 394), (105, 430),

Gene: Mori_29 Start: 12859, Stop: 13158, Start Num: 46

Candidate Starts for Mori_29:

(20, 12781), (Start: 46 @12859 has 25 MA's), (Start: 48 @12868 has 5 MA's), (76, 13009), (84, 13051),

Gene: Morkie_1 Start: 44, Stop: 346, Start Num: 38

Candidate Starts for Morkie_1:

(Start: 38 @44 has 3 MA's), (54, 110), (68, 155), (70, 164), (71, 176), (82, 242), (95, 299),

Gene: Mowgli_1 Start: 46, Stop: 387, Start Num: 22

Candidate Starts for Mowgli_1:

(Start: 21 @43 has 41 MA's), (Start: 22 @46 has 21 MA's), (61, 148), (74, 217), (81, 268),

Gene: MrSmee_1 Start: 51, Stop: 347, Start Num: 36

Candidate Starts for MrSmee_1:

(Start: 33 @45 has 1 MA's), (Start: 36 @51 has 14 MA's), (68, 156), (70, 165), (74, 189), (79, 228), (89, 270),

Gene: Murai_30 Start: 13049, Stop: 13348, Start Num: 46

Candidate Starts for Murai_30:

(Start: 46 @13049 has 25 MA's), (Start: 48 @13058 has 5 MA's), (76, 13199), (84, 13241),

Gene: Neoh_1 Start: 44, Stop: 388, Start Num: 21

Candidate Starts for Neoh_1:

(Start: 21 @44 has 41 MA's), (Start: 22 @47 has 21 MA's), (61, 149), (74, 218), (81, 269),

Gene: NiebruSaylor_29 Start: 12860, Stop: 13159, Start Num: 46

Candidate Starts for NiebruSaylor_29:

(20, 12782), (Start: 46 @12860 has 25 MA's), (Start: 48 @12869 has 5 MA's), (76, 13010), (84, 13052),

Gene: OctaviousRex_1 Start: 43, Stop: 387, Start Num: 21

Candidate Starts for OctaviousRex_1:

(Start: 21 @43 has 41 MA's), (Start: 22 @46 has 21 MA's), (61, 148), (74, 217), (81, 268),

Gene: Olga_1 Start: 46, Stop: 387, Start Num: 22

Candidate Starts for Olga_1:

(Start: 21 @43 has 41 MA's), (Start: 22 @46 has 21 MA's), (61, 148), (74, 217), (81, 268),

Gene: OneDirection_1 Start: 104, Stop: 466, Start Num: 36

Candidate Starts for OneDirection_1:

(Start: 33 @98 has 1 MA's), (Start: 36 @104 has 14 MA's), (68, 215), (69, 218), (70, 224), (71, 236), (74, 248), (77, 278), (99, 365), (104, 413), (105, 431),

Gene: P3MA_2 Start: 587, Stop: 982, Start Num: 16

Candidate Starts for P3MA_2:

(Start: 16 @587 has 1 MA's), (23, 638), (64, 752), (71, 797), (85, 875), (86, 878), (97, 938),

Gene: Pace1224_1 Start: 52, Stop: 387, Start Num: 27

Candidate Starts for Pace1224_1:

(Start: 27 @52 has 6 MA's), (40, 79), (74, 214), (77, 244),

Gene: Paito_1 Start: 47, Stop: 382, Start Num: 29

Candidate Starts for Paito_1:

(Start: 29 @47 has 1 MA's), (37, 62), (67, 173), (74, 209), (78, 242),

Gene: Peeb_1 Start: 46, Stop: 387, Start Num: 22

Candidate Starts for Peeb_1:

(Start: 21 @43 has 41 MA's), (Start: 22 @46 has 21 MA's), (61, 148), (74, 217), (81, 268),

Gene: Periodt_1 Start: 43, Stop: 387, Start Num: 21

Candidate Starts for Periodt_1:

(Start: 21 @43 has 41 MA's), (Start: 22 @46 has 21 MA's), (61, 148), (74, 217), (81, 268),

Gene: Phish_1 Start: 46, Stop: 387, Start Num: 22

Candidate Starts for Phish_1:

(Start: 21 @43 has 41 MA's), (Start: 22 @46 has 21 MA's), (61, 148), (74, 217), (81, 268),

Gene: Phloodle_1 Start: 43, Stop: 387, Start Num: 21

Candidate Starts for Phloodle_1:

(Start: 21 @43 has 41 MA's), (Start: 22 @46 has 21 MA's), (61, 148), (74, 217), (81, 268),

Gene: PhorbesPhlower_1 Start: 44, Stop: 346, Start Num: 38

Candidate Starts for PhorbesPhlower_1:

(Start: 38 @44 has 3 MA's), (54, 110), (68, 155), (70, 164), (71, 176), (82, 242), (95, 299),

Gene: Phreak_1 Start: 43, Stop: 387, Start Num: 21

Candidate Starts for Phreak_1:

(Start: 21 @43 has 41 MA's), (Start: 22 @46 has 21 MA's), (61, 148), (74, 217), (81, 268),

Gene: Pigu_1 Start: 55, Stop: 363, Start Num: 32

Candidate Starts for Pigu_1:

(Start: 21 @28 has 41 MA's), (Start: 32 @55 has 3 MA's), (47, 91), (54, 130), (89, 283),

Gene: PinkYoshi_1 Start: 46, Stop: 387, Start Num: 22

Candidate Starts for PinkYoshi_1:

(Start: 21 @43 has 41 MA's), (Start: 22 @46 has 21 MA's), (61, 148), (74, 217), (81, 268),

Gene: Pinnie_2 Start: 520, Stop: 846, Start Num: 27

Candidate Starts for Pinnie_2:

(8, 322), (Start: 27 @520 has 6 MA's), (40, 547), (61, 613), (67, 646), (70, 658), (80, 724), (83, 742), (85, 748),

Gene: Pitbull_1 Start: 58, Stop: 360, Start Num: 34

Candidate Starts for Pitbull_1:

(Start: 34 @58 has 1 MA's), (Start: 36 @61 has 14 MA's), (44, 79), (47, 88), (77, 235), (79, 244), (81, 256), (82, 259),

Gene: Plagueis_1 Start: 46, Stop: 387, Start Num: 22

Candidate Starts for Plagueis_1:

(Start: 21 @43 has 41 MA's), (Start: 22 @46 has 21 MA's), (61, 148), (74, 217), (81, 268),

Gene: REQ2_01 Start: 71, Stop: 421, Start Num: 41

Candidate Starts for REQ2_01:

(18, 5), (Start: 41 @71 has 1 MA's), (53, 116), (56, 128), (59, 134), (70, 182), (74, 206), (79, 245),

Gene: Rabbs_1 Start: 44, Stop: 388, Start Num: 21

Candidate Starts for Rabbs_1:

(Start: 21 @44 has 41 MA's), (Start: 22 @47 has 21 MA's), (61, 149), (74, 218), (81, 269),

Gene: Raqqa_2 Start: 745, Stop: 1044, Start Num: 36

Candidate Starts for Raqqa_2:

(Start: 32 @736 has 3 MA's), (Start: 36 @745 has 14 MA's), (47, 769), (68, 853), (69, 856), (70, 862),

Gene: Rattrick_1 Start: 46, Stop: 387, Start Num: 22

Candidate Starts for Rattrick_1:

(Start: 21 @43 has 41 MA's), (Start: 22 @46 has 21 MA's), (61, 148), (74, 217), (81, 268),

Gene: Remy19_1 Start: 43, Stop: 387, Start Num: 21

Candidate Starts for Remy19_1:

(Start: 21 @43 has 41 MA's), (Start: 22 @46 has 21 MA's), (61, 148), (74, 217), (81, 268),

Gene: Renaissance_1 Start: 43, Stop: 387, Start Num: 21

Candidate Starts for Renaissance_1:

(Start: 21 @43 has 41 MA's), (Start: 22 @46 has 21 MA's), (61, 148), (74, 217), (81, 268),

Gene: Richarlison_1 Start: 43, Stop: 387, Start Num: 21

Candidate Starts for Richarlison_1:

(Start: 21 @43 has 41 MA's), (Start: 22 @46 has 21 MA's), (61, 148), (74, 217), (81, 268),

Gene: Rooter_1 Start: 59, Stop: 364, Start Num: 36

Candidate Starts for Rooter_1:

(Start: 36 @59 has 14 MA's), (49, 101), (100, 332),

Gene: Ruriko_1 Start: 46, Stop: 387, Start Num: 22

Candidate Starts for Ruriko_1:

(Start: 21 @43 has 41 MA's), (Start: 22 @46 has 21 MA's), (61, 148), (74, 217), (81, 268),

Gene: Ryadel_32 Start: 13643, Stop: 13933, Start Num: 48

Candidate Starts for Ryadel_32:

(15, 13511), (Start: 46 @13634 has 25 MA's), (Start: 48 @13643 has 5 MA's), (76, 13784), (84, 13826),

Gene: Sarge_1 Start: 49, Stop: 357, Start Num: 32

Candidate Starts for Sarge_1:

(Start: 21 @28 has 41 MA's), (Start: 32 @49 has 3 MA's), (47, 85), (62, 142), (89, 277),

Gene: Schiebel_1 Start: 46, Stop: 387, Start Num: 22

Candidate Starts for Schiebel_1:

(Start: 21 @43 has 41 MA's), (Start: 22 @46 has 21 MA's), (61, 148), (74, 217), (81, 268),

Gene: SchoolBus_29 Start: 12830, Stop: 13120, Start Num: 48

Candidate Starts for SchoolBus_29:

(15, 12698), (Start: 46 @12821 has 25 MA's), (Start: 48 @12830 has 5 MA's), (76, 12971), (84, 13013),

Gene: Schuy_31 Start: 13207, Stop: 13506, Start Num: 46

Candidate Starts for Schuy_31:

(15, 13084), (Start: 46 @13207 has 25 MA's), (Start: 48 @13216 has 5 MA's), (76, 13357), (84, 13399),

Gene: ShaboiShabazz_1 Start: 46, Stop: 387, Start Num: 22

Candidate Starts for ShaboiShabazz_1:

(Start: 21 @43 has 41 MA's), (Start: 22 @46 has 21 MA's), (61, 148), (74, 217), (81, 268),

Gene: Shida_30 Start: 13114, Stop: 13413, Start Num: 46

Candidate Starts for Shida_30:

(20, 13036), (Start: 46 @13114 has 25 MA's), (Start: 48 @13123 has 5 MA's), (76, 13264), (84, 13306),

Gene: Shoya_1 Start: 59, Stop: 364, Start Num: 36

Candidate Starts for Shoya_1:

(Start: 36 @59 has 14 MA's), (49, 101), (100, 332),

Gene: Sizemore_1 Start: 46, Stop: 387, Start Num: 22

Candidate Starts for Sizemore_1:

(Start: 21 @43 has 41 MA's), (Start: 22 @46 has 21 MA's), (61, 148), (74, 217), (81, 268),

Gene: Skitty_1 Start: 51, Stop: 347, Start Num: 36

Candidate Starts for Skitty_1:

(Start: 33 @45 has 1 MA's), (Start: 36 @51 has 14 MA's), (68, 156), (70, 165), (74, 189), (79, 228), (89, 270),

Gene: Smooch_32 Start: 14365, Stop: 14664, Start Num: 46

Candidate Starts for Smooch_32:

(15, 14242), (Start: 46 @14365 has 25 MA's), (Start: 48 @14374 has 5 MA's), (76, 14515), (84, 14557),

Gene: Sneeze_1 Start: 43, Stop: 387, Start Num: 21

Candidate Starts for Sneeze_1:

(Start: 21 @43 has 41 MA's), (Start: 22 @46 has 21 MA's), (61, 148), (74, 217), (81, 268),

Gene: Spartoi_1 Start: 95, Stop: 397, Start Num: 41

Candidate Starts for Spartoi_1:

(24, 50), (Start: 31 @68 has 1 MA's), (35, 80), (Start: 41 @95 has 1 MA's), (58, 158), (63, 173), (70, 206), (77, 260), (80, 272), (91, 320), (93, 341),

Gene: Stargaze_1 Start: 52, Stop: 372, Start Num: 27

Candidate Starts for Stargaze_1:

(Start: 27 @52 has 6 MA's), (61, 136), (70, 181), (74, 205), (81, 256), (92, 310),

Gene: Sweets_1 Start: 46, Stop: 387, Start Num: 22

Candidate Starts for Sweets_1:

(Start: 21 @43 has 41 MA's), (Start: 22 @46 has 21 MA's), (61, 148), (74, 217), (81, 268),

Gene: Taheera_1 Start: 47, Stop: 391, Start Num: 22

Candidate Starts for Taheera_1:

(Start: 22 @47 has 21 MA's), (61, 149), (74, 218),

Gene: TelAviv_27 Start: 12815, Stop: 13114, Start Num: 46

Candidate Starts for TelAviv_27:

(Start: 46 @12815 has 25 MA's), (Start: 48 @12824 has 5 MA's), (76, 12965), (84, 13007),

Gene: Terror_1 Start: 47, Stop: 391, Start Num: 22

Candidate Starts for Terror_1:

(Start: 22 @47 has 21 MA's), (61, 149), (74, 218),

Gene: TinaBug_1 Start: 46, Stop: 387, Start Num: 22

Candidate Starts for TinaBug_1:

(Start: 21 @43 has 41 MA's), (Start: 22 @46 has 21 MA's), (61, 148), (74, 217), (81, 268),

Gene: TomBrady_1 Start: 44, Stop: 388, Start Num: 21

Candidate Starts for TomBrady_1:

(Start: 21 @44 has 41 MA's), (Start: 22 @47 has 21 MA's), (61, 149), (74, 218), (81, 269),

Gene: Vagabond_30 Start: 13088, Stop: 13387, Start Num: 46

Candidate Starts for Vagabond_30:

(15, 12965), (Start: 46 @13088 has 25 MA's), (Start: 48 @13097 has 5 MA's), (76, 13238), (84, 13280),

Gene: Vorrps_29 Start: 12860, Stop: 13159, Start Num: 46

Candidate Starts for Vorrps_29:

(20, 12782), (Start: 46 @12860 has 25 MA's), (Start: 48 @12869 has 5 MA's), (76, 13010), (84, 13052),

Gene: Wendigo_1 Start: 46, Stop: 387, Start Num: 22

Candidate Starts for Wendigo_1:

(Start: 21 @43 has 41 MA's), (Start: 22 @46 has 21 MA's), (61, 148), (74, 217), (81, 268),

Gene: Wildflower_30 Start: 12855, Stop: 13154, Start Num: 46

Candidate Starts for Wildflower_30:

(20, 12777), (Start: 46 @12855 has 25 MA's), (Start: 48 @12864 has 5 MA's), (76, 13005), (84, 13047),

Gene: Winget_30 Start: 13096, Stop: 13386, Start Num: 48

Candidate Starts for Winget_30:

(15, 12964), (Start: 46 @13087 has 25 MA's), (Start: 48 @13096 has 5 MA's), (76, 13237), (84, 13279),

Gene: Wogge42_29 Start: 13177, Stop: 13476, Start Num: 46

Candidate Starts for Wogge42_29:

(15, 13054), (Start: 46 @13177 has 25 MA's), (Start: 48 @13186 has 5 MA's), (76, 13327), (84, 13369),

Gene: YangYin_1 Start: 52, Stop: 372, Start Num: 27

Candidate Starts for YangYin_1:

(Start: 27 @52 has 6 MA's), (61, 136), (70, 181), (74, 205), (81, 256), (92, 310),

Gene: YoyoKar_28 Start: 12831, Stop: 13121, Start Num: 48

Candidate Starts for YoyoKar_28:

(15, 12699), (Start: 46 @12822 has 25 MA's), (Start: 48 @12831 has 5 MA's), (76, 12972), (84, 13014),

Gene: YungJamal_32 Start: 13159, Stop: 13449, Start Num: 48

Candidate Starts for YungJamal_32:

(20, 13072), (Start: 46 @13150 has 25 MA's), (Start: 48 @13159 has 5 MA's), (76, 13300), (84, 13342),

Gene: Zakhe101_30 Start: 13000, Stop: 13299, Start Num: 46

Candidate Starts for Zakhe101_30:

(20, 12922), (Start: 46 @13000 has 25 MA's), (Start: 48 @13009 has 5 MA's), (76, 13150), (84, 13192),

Gene: Zebo_29 Start: 12821, Stop: 13120, Start Num: 46

Candidate Starts for Zebo_29:

(15, 12698), (Start: 46 @12821 has 25 MA's), (Start: 48 @12830 has 5 MA's), (76, 12971), (84, 13013),

Gene: ZoMa_1 Start: 43, Stop: 387, Start Num: 21

Candidate Starts for ZoMa_1:

(Start: 21 @43 has 41 MA's), (Start: 22 @46 has 21 MA's), (61, 148), (74, 217), (81, 268),

Gene: Zombie_1 Start: 43, Stop: 387, Start Num: 21

Candidate Starts for Zombie_1:

(Start: 21 @43 has 41 MA's), (Start: 22 @46 has 21 MA's), (61, 148), (74, 217), (81, 268),