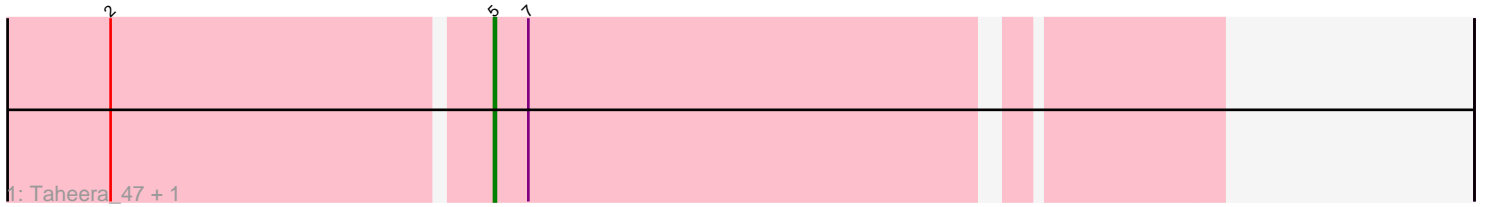


Pham 308549



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 308549 Report

This analysis was run 06/27/26 on database version 652.

Pham number 308549 has 71 members, 6 are drafts.

Phages represented in each track:

- Track 1 : Taheera_47, Terror_47
- Track 2 : Cedasite_49, ForeverHowLong_47, BPs_49, Olga_49, DingDing_49, PinkYoshi_49, BQuat_49, Halo_49, Cherrybomb426_49, Crespo_48, Phish_48, Phreak_49, Maliketh_49, Jane_49, Zombie_48, Richarlison_47, Hope_49, AzulaCat_49, Remy19_49, JorRay_49, Mowgli_49, Hotshotbaby7_49, Peeb_48, Primanti_47, Frosty24_49, Phloodle_47, Darionha_49, Kareem_49, Gideon_50, Chance64_49, CassieYates_49, Renaissance_49, Avrafan_49, TomBrady_49, BruceB_49, Coleslaw_49, LouisV14_51, Annihilator_49, Jeilious_48, Schiebel_49, CLED96_49, AizenPogi_48, MZKinsey_49, Sweets_48, OctaviousRex_48, Jonghyun_47, Marmie_49, Neoh_50, TinaBug_49, Angel_49, ZoMa_47, Aroostook_49, GoldenAsh_48, Wendigo_49, ShaboiShabazz_48, Plagueis_49, DMoney_48, Camri_49, Gomashi_48, Sizemore_49, Kasen3_49, Ruriko_49, ECartman_47
- Track 3 : DNAlll_0047
- Track 4 : Barkley26_48
- Track 5 : Rabbs_51, Sneeze_50
- Track 6 : Liefie_48
- Track 7 : LilSpotty_47

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

The start number called the most often in the published annotations is 5, it was called in 64 of the 65 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- AizenPogi_48, Angel_49, Annihilator_49, Aroostook_49, Avrafan_49, AzulaCat_49, BPs_49, BQuat_49, Barkley26_48, BruceB_49, CLED96_49, Camri_49, CassieYates_49, Cedasite_49, Chance64_49, Cherrybomb426_49, Coleslaw_49, Crespo_48, DMoney_48, DNAlll_0047, Darionha_49, DingDing_49, ECartman_47, ForeverHowLong_47, Frosty24_49, Gideon_50, GoldenAsh_48, Gomashi_48, Halo_49, Hope_49, Hotshotbaby7_49, Jane_49, Jeilious_48, Jonghyun_47, JorRay_49, Kareem_49, Kasen3_49, Liefie_48, LouisV14_51, MZKinsey_49, Maliketh_49, Marmie_49, Mowgli_49, Neoh_50, OctaviousRex_48, Olga_49, Peeb_48, Phish_48, Phloodle_47, Phreak_49, PinkYoshi_49, Plagueis_49,

Primanti_47, Rabbs_51, Remy19_49, Renaissance_49, Richarlison_47, Ruriko_49, Schiebel_49, ShaboiShabazz_48, Sizemore_49, Sneeze_50, Sweets_48, Taheera_47, Terror_47, TinaBug_49, TomBrady_49, Wendigo_49, ZoMa_47, Zombie_48,

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

-

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

- LilSpotty_47,

Summary by start number:

Start 5:

- Found in 70 of 71 (98.6%) of genes in pham
- Manual Annotations of this start: 64 of 65
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AizenPogi_48 (G1), Angel_49 (G1), Annihilator_49 (G1), Aroostook_49 (G1), Avrafan_49 (G1), AzulaCat_49 (G1), BPs_49 (G1), BQuat_49 (G1), Barkley26_48 (G1), BruceB_49 (G1), CLED96_49 (G1), Camri_49 (G1), CassieYates_49 (G1), Cedasite_49 (G1), Chance64_49 (G1), Cherrybomb426_49 (G1), Coleslaw_49 (G1), Crespo_48 (G1), DMoney_48 (G1), DNAIII_0047 (G1), Darionha_49 (G1), DingDing_49 (G1), ECartman_47 (G1), ForeverHowLong_47 (G1), Frosty24_49 (G1), Gideon_50 (G1), GoldenAsh_48 (G1), Gomashi_48 (G1), Halo_49 (G1), Hope_49 (G1), Hotshotbaby7_49 (G1), Jane_49 (G1), Jeilious_48 (G), Jonghyun_47 (G1), JorRay_49 (G1), Kareem_49 (G1), Kasen3_49 (G1), Liefie_48 (G1), LouisV14_51 (G1), MZKinsey_49 (G1), Maliketh_49 (G1), Marmie_49 (G1), Mowgli_49 (G1), Neoh_50 (G), OctaviousRex_48 (G1), Olga_49 (G1), Peeb_48 (G1), Phish_48 (G1), Phloodle_47 (G1), Phreak_49 (G1), PinkYoshi_49 (G1), Plagueis_49 (G1), Primanti_47 (G1), Rabbs_51 (G1), Remy19_49 (G1), Renaissance_49 (G1), Richarlison_47 (G1), Ruriko_49 (G1), Schiebel_49 (G1), ShaboiShabazz_48 (G1), Sizemore_49 (G1), Sneeze_50 (G1), Sweets_48 (G1), Taheera_47 (G1), Terror_47 (G1), TinaBug_49 (G1), TomBrady_49 (G1), Wendigo_49 (G1), ZoMa_47 (G1), Zombie_48 (G1),

Start 6:

- Found in 1 of 71 (1.4%) of genes in pham
- Manual Annotations of this start: 1 of 65
- Called 100.0% of time when present
- Phage (with cluster) where this start called: LilSpotty_47 (singleton),

Summary by clusters:

There are 3 clusters represented in this pham: singleton, G, G1,

Info for manual annotations of cluster G:

- Start number 5 was manually annotated 1 time for cluster G.

Info for manual annotations of cluster G1:

- Start number 5 was manually annotated 63 times for cluster G1.

Gene Information:

Gene: AizenPogi_48 Start: 36136, Stop: 36480, Start Num: 5

Candidate Starts for AizenPogi_48:

(2, 35950), (3, 35959), (4, 36028), (Start: 5 @36136 has 64 MA's), (8, 36205), (10, 36334), (12, 36391), (13, 36394),

Gene: Angel_49 Start: 36121, Stop: 36465, Start Num: 5

Candidate Starts for Angel_49:

(2, 35935), (3, 35944), (4, 36013), (Start: 5 @36121 has 64 MA's), (8, 36190), (10, 36319), (12, 36376), (13, 36379),

Gene: Annihilator_49 Start: 36127, Stop: 36471, Start Num: 5

Candidate Starts for Annihilator_49:

(2, 35941), (3, 35950), (4, 36019), (Start: 5 @36127 has 64 MA's), (8, 36196), (10, 36325), (12, 36382), (13, 36385),

Gene: Aroostook_49 Start: 36136, Stop: 36480, Start Num: 5

Candidate Starts for Aroostook_49:

(2, 35950), (3, 35959), (4, 36028), (Start: 5 @36136 has 64 MA's), (8, 36205), (10, 36334), (12, 36391), (13, 36394),

Gene: Avrafan_49 Start: 36136, Stop: 36480, Start Num: 5

Candidate Starts for Avrafan_49:

(2, 35950), (3, 35959), (4, 36028), (Start: 5 @36136 has 64 MA's), (8, 36205), (10, 36334), (12, 36391), (13, 36394),

Gene: AzulaCat_49 Start: 36136, Stop: 36480, Start Num: 5

Candidate Starts for AzulaCat_49:

(2, 35950), (3, 35959), (4, 36028), (Start: 5 @36136 has 64 MA's), (8, 36205), (10, 36334), (12, 36391), (13, 36394),

Gene: BPs_49 Start: 36136, Stop: 36480, Start Num: 5

Candidate Starts for BPs_49:

(2, 35950), (3, 35959), (4, 36028), (Start: 5 @36136 has 64 MA's), (8, 36205), (10, 36334), (12, 36391), (13, 36394),

Gene: BQuat_49 Start: 36573, Stop: 36917, Start Num: 5

Candidate Starts for BQuat_49:

(2, 36387), (3, 36396), (4, 36465), (Start: 5 @36573 has 64 MA's), (8, 36642), (10, 36771), (12, 36828), (13, 36831),

Gene: Barkley26_48 Start: 36029, Stop: 36382, Start Num: 5

Candidate Starts for Barkley26_48:

(1, 35807), (2, 35831), (Start: 5 @36029 has 64 MA's), (8, 36098),

Gene: BruceB_49 Start: 36136, Stop: 36480, Start Num: 5

Candidate Starts for BruceB_49:

(2, 35950), (3, 35959), (4, 36028), (Start: 5 @36136 has 64 MA's), (8, 36205), (10, 36334), (12, 36391), (13, 36394),

Gene: CLED96_49 Start: 36136, Stop: 36480, Start Num: 5

Candidate Starts for CLED96_49:

(2, 35950), (3, 35959), (4, 36028), (Start: 5 @36136 has 64 MA's), (8, 36205), (10, 36334), (12, 36391), (13, 36394),

Gene: Camri_49 Start: 36136, Stop: 36480, Start Num: 5

Candidate Starts for Camri_49:

(2, 35950), (3, 35959), (4, 36028), (Start: 5 @36136 has 64 MA's), (8, 36205), (10, 36334), (12, 36391), (13, 36394),

Gene: CassieYates_49 Start: 36136, Stop: 36480, Start Num: 5

Candidate Starts for CassieYates_49:

(2, 35950), (3, 35959), (4, 36028), (Start: 5 @36136 has 64 MA's), (8, 36205), (10, 36334), (12, 36391), (13, 36394),

Gene: Cedasite_49 Start: 36136, Stop: 36480, Start Num: 5

Candidate Starts for Cedasite_49:

(2, 35950), (3, 35959), (4, 36028), (Start: 5 @36136 has 64 MA's), (8, 36205), (10, 36334), (12, 36391), (13, 36394),

Gene: Chance64_49 Start: 36136, Stop: 36480, Start Num: 5

Candidate Starts for Chance64_49:

(2, 35950), (3, 35959), (4, 36028), (Start: 5 @36136 has 64 MA's), (8, 36205), (10, 36334), (12, 36391), (13, 36394),

Gene: Cherrybomb426_49 Start: 36136, Stop: 36480, Start Num: 5

Candidate Starts for Cherrybomb426_49:

(2, 35950), (3, 35959), (4, 36028), (Start: 5 @36136 has 64 MA's), (8, 36205), (10, 36334), (12, 36391), (13, 36394),

Gene: Coleslaw_49 Start: 36573, Stop: 36917, Start Num: 5

Candidate Starts for Coleslaw_49:

(2, 36387), (3, 36396), (4, 36465), (Start: 5 @36573 has 64 MA's), (8, 36642), (10, 36771), (12, 36828), (13, 36831),

Gene: Crespo_48 Start: 36137, Stop: 36481, Start Num: 5

Candidate Starts for Crespo_48:

(2, 35951), (3, 35960), (4, 36029), (Start: 5 @36137 has 64 MA's), (8, 36206), (10, 36335), (12, 36392), (13, 36395),

Gene: DMoney_48 Start: 36136, Stop: 36480, Start Num: 5

Candidate Starts for DMoney_48:

(2, 35950), (3, 35959), (4, 36028), (Start: 5 @36136 has 64 MA's), (8, 36205), (10, 36334), (12, 36391), (13, 36394),

Gene: DNAIII_0047 Start: 34671, Stop: 35015, Start Num: 5

Candidate Starts for DNAIII_0047:

(2, 34473), (Start: 5 @34671 has 64 MA's), (8, 34740), (12, 34926), (13, 34929),

Gene: Darionha_49 Start: 36136, Stop: 36480, Start Num: 5

Candidate Starts for Darionha_49:

(2, 35950), (3, 35959), (4, 36028), (Start: 5 @36136 has 64 MA's), (8, 36205), (10, 36334), (12, 36391), (13, 36394),

Gene: DingDing_49 Start: 36136, Stop: 36480, Start Num: 5

Candidate Starts for DingDing_49:

(2, 35950), (3, 35959), (4, 36028), (Start: 5 @36136 has 64 MA's), (8, 36205), (10, 36334), (12, 36391), (13, 36394),

Gene: ECartman_47 Start: 36136, Stop: 36480, Start Num: 5

Candidate Starts for ECartman_47:

(2, 35950), (3, 35959), (4, 36028), (Start: 5 @36136 has 64 MA's), (8, 36205), (10, 36334), (12, 36391), (13, 36394),

Gene: ForeverHowLong_47 Start: 36131, Stop: 36475, Start Num: 5

Candidate Starts for ForeverHowLong_47:

(2, 35945), (3, 35954), (4, 36023), (Start: 5 @36131 has 64 MA's), (8, 36200), (10, 36329), (12, 36386), (13, 36389),

Gene: Frosty24_49 Start: 36136, Stop: 36480, Start Num: 5

Candidate Starts for Frosty24_49:

(2, 35950), (3, 35959), (4, 36028), (Start: 5 @36136 has 64 MA's), (8, 36205), (10, 36334), (12, 36391), (13, 36394),

Gene: Gideon_50 Start: 36583, Stop: 36927, Start Num: 5

Candidate Starts for Gideon_50:

(2, 36397), (3, 36406), (4, 36475), (Start: 5 @36583 has 64 MA's), (8, 36652), (10, 36781), (12, 36838), (13, 36841),

Gene: GoldenAsh_48 Start: 36121, Stop: 36465, Start Num: 5

Candidate Starts for GoldenAsh_48:

(2, 35935), (3, 35944), (4, 36013), (Start: 5 @36121 has 64 MA's), (8, 36190), (10, 36319), (12, 36376), (13, 36379),

Gene: Gomashi_48 Start: 36137, Stop: 36481, Start Num: 5

Candidate Starts for Gomashi_48:

(2, 35951), (3, 35960), (4, 36029), (Start: 5 @36137 has 64 MA's), (8, 36206), (10, 36335), (12, 36392), (13, 36395),

Gene: Halo_49 Start: 36131, Stop: 36475, Start Num: 5

Candidate Starts for Halo_49:

(2, 35945), (3, 35954), (4, 36023), (Start: 5 @36131 has 64 MA's), (8, 36200), (10, 36329), (12, 36386), (13, 36389),

Gene: Hope_49 Start: 36136, Stop: 36480, Start Num: 5

Candidate Starts for Hope_49:

(2, 35950), (3, 35959), (4, 36028), (Start: 5 @36136 has 64 MA's), (8, 36205), (10, 36334), (12, 36391), (13, 36394),

Gene: Hotshotbaby7_49 Start: 36136, Stop: 36480, Start Num: 5

Candidate Starts for Hotshotbaby7_49:

(2, 35950), (3, 35959), (4, 36028), (Start: 5 @36136 has 64 MA's), (8, 36205), (10, 36334), (12, 36391), (13, 36394),

Gene: Jane_49 Start: 36136, Stop: 36480, Start Num: 5

Candidate Starts for Jane_49:

(2, 35950), (3, 35959), (4, 36028), (Start: 5 @36136 has 64 MA's), (8, 36205), (10, 36334), (12, 36391), (13, 36394),

Gene: Jeilious_48 Start: 36135, Stop: 36479, Start Num: 5

Candidate Starts for Jeilious_48:

(2, 35949), (3, 35958), (4, 36027), (Start: 5 @36135 has 64 MA's), (8, 36204), (10, 36333), (12, 36390), (13, 36393),

Gene: Jonghyun_47 Start: 36136, Stop: 36480, Start Num: 5

Candidate Starts for Jonghyun_47:

(2, 35950), (3, 35959), (4, 36028), (Start: 5 @36136 has 64 MA's), (8, 36205), (10, 36334), (12, 36391), (13, 36394),

Gene: JorRay_49 Start: 36136, Stop: 36480, Start Num: 5

Candidate Starts for JorRay_49:

(2, 35950), (3, 35959), (4, 36028), (Start: 5 @36136 has 64 MA's), (8, 36205), (10, 36334), (12, 36391), (13, 36394),

Gene: Kareem_49 Start: 36136, Stop: 36480, Start Num: 5

Candidate Starts for Kareem_49:

(2, 35950), (3, 35959), (4, 36028), (Start: 5 @36136 has 64 MA's), (8, 36205), (10, 36334), (12, 36391), (13, 36394),

Gene: Kasen3_49 Start: 36122, Stop: 36466, Start Num: 5

Candidate Starts for Kasen3_49:

(2, 35936), (3, 35945), (4, 36014), (Start: 5 @36122 has 64 MA's), (8, 36191), (10, 36320), (12, 36377), (13, 36380),

Gene: Liefie_48 Start: 36035, Stop: 36388, Start Num: 5

Candidate Starts for Liefie_48:

(2, 35837), (Start: 5 @36035 has 64 MA's), (8, 36104), (11, 36287),

Gene: LilSpotty_47 Start: 33556, Stop: 34053, Start Num: 6

Candidate Starts for LilSpotty_47:

(Start: 6 @33556 has 1 MA's), (10, 33748), (14, 33913), (15, 33964), (16, 34036),

Gene: LouisV14_51 Start: 38401, Stop: 38745, Start Num: 5

Candidate Starts for LouisV14_51:

(2, 38215), (3, 38224), (4, 38293), (Start: 5 @38401 has 64 MA's), (8, 38470), (10, 38599), (12, 38656), (13, 38659),

Gene: MZKinsey_49 Start: 36136, Stop: 36480, Start Num: 5

Candidate Starts for MZKinsey_49:

(2, 35950), (3, 35959), (4, 36028), (Start: 5 @36136 has 64 MA's), (8, 36205), (10, 36334), (12, 36391), (13, 36394),

Gene: Maliketh_49 Start: 36136, Stop: 36480, Start Num: 5

Candidate Starts for Maliketh_49:

(2, 35950), (3, 35959), (4, 36028), (Start: 5 @36136 has 64 MA's), (8, 36205), (10, 36334), (12, 36391), (13, 36394),

Gene: Marmie_49 Start: 36136, Stop: 36480, Start Num: 5

Candidate Starts for Marmie_49:

(2, 35950), (3, 35959), (4, 36028), (Start: 5 @36136 has 64 MA's), (8, 36205), (10, 36334), (12, 36391), (13, 36394),

Gene: Mowgli_49 Start: 36136, Stop: 36480, Start Num: 5

Candidate Starts for Mowgli_49:

(2, 35950), (3, 35959), (4, 36028), (Start: 5 @36136 has 64 MA's), (8, 36205), (10, 36334), (12, 36391), (13, 36394),

Gene: Neoh_50 Start: 36574, Stop: 36918, Start Num: 5

Candidate Starts for Neoh_50:

(2, 36388), (3, 36397), (4, 36466), (Start: 5 @36574 has 64 MA's), (8, 36643), (10, 36772), (12, 36829), (13, 36832),

Gene: OctaviousRex_48 Start: 36136, Stop: 36480, Start Num: 5

Candidate Starts for OctaviousRex_48:

(2, 35950), (3, 35959), (4, 36028), (Start: 5 @36136 has 64 MA's), (8, 36205), (10, 36334), (12, 36391), (13, 36394),

Gene: Olga_49 Start: 36136, Stop: 36480, Start Num: 5

Candidate Starts for Olga_49:

(2, 35950), (3, 35959), (4, 36028), (Start: 5 @36136 has 64 MA's), (8, 36205), (10, 36334), (12, 36391), (13, 36394),

Gene: Peeb_48 Start: 36127, Stop: 36471, Start Num: 5

Candidate Starts for Peeb_48:

(2, 35941), (3, 35950), (4, 36019), (Start: 5 @36127 has 64 MA's), (8, 36196), (10, 36325), (12, 36382), (13, 36385),

Gene: Phish_48 Start: 36136, Stop: 36480, Start Num: 5

Candidate Starts for Phish_48:

(2, 35950), (3, 35959), (4, 36028), (Start: 5 @36136 has 64 MA's), (8, 36205), (10, 36334), (12, 36391), (13, 36394),

Gene: Phloodle_47 Start: 36151, Stop: 36495, Start Num: 5

Candidate Starts for Phloodle_47:

(2, 35965), (3, 35974), (4, 36043), (Start: 5 @36151 has 64 MA's), (8, 36220), (10, 36349), (12, 36406), (13, 36409),

Gene: Phreak_49 Start: 36136, Stop: 36480, Start Num: 5

Candidate Starts for Phreak_49:

(2, 35950), (3, 35959), (4, 36028), (Start: 5 @36136 has 64 MA's), (8, 36205), (10, 36334), (12, 36391), (13, 36394),

Gene: PinkYoshi_49 Start: 36127, Stop: 36471, Start Num: 5

Candidate Starts for PinkYoshi_49:

(2, 35941), (3, 35950), (4, 36019), (Start: 5 @36127 has 64 MA's), (8, 36196), (10, 36325), (12, 36382), (13, 36385),

Gene: Plagueis_49 Start: 35956, Stop: 36300, Start Num: 5

Candidate Starts for Plagueis_49:

(2, 35770), (3, 35779), (4, 35848), (Start: 5 @35956 has 64 MA's), (8, 36025), (10, 36154), (12, 36211), (13, 36214),

Gene: Primanti_47 Start: 36136, Stop: 36480, Start Num: 5

Candidate Starts for Primanti_47:

(2, 35950), (3, 35959), (4, 36028), (Start: 5 @36136 has 64 MA's), (8, 36205), (10, 36334), (12, 36391), (13, 36394),

Gene: Rabbs_51 Start: 36359, Stop: 36718, Start Num: 5

Candidate Starts for Rabbs_51:

(Start: 5 @36359 has 64 MA's), (7, 36377), (9, 36524),

Gene: Remy19_49 Start: 36136, Stop: 36480, Start Num: 5

Candidate Starts for Remy19_49:

(2, 35950), (3, 35959), (4, 36028), (Start: 5 @36136 has 64 MA's), (8, 36205), (10, 36334), (12, 36391), (13, 36394),

Gene: Renaissance_49 Start: 36136, Stop: 36480, Start Num: 5

Candidate Starts for Renaissance_49:

(2, 35950), (3, 35959), (4, 36028), (Start: 5 @36136 has 64 MA's), (8, 36205), (10, 36334), (12, 36391), (13, 36394),

Gene: Richarlison_47 Start: 36121, Stop: 36465, Start Num: 5

Candidate Starts for Richarlison_47:

(2, 35935), (3, 35944), (4, 36013), (Start: 5 @36121 has 64 MA's), (8, 36190), (10, 36319), (12, 36376), (13, 36379),

Gene: Ruriko_49 Start: 36136, Stop: 36480, Start Num: 5

Candidate Starts for Ruriko_49:

(2, 35950), (3, 35959), (4, 36028), (Start: 5 @36136 has 64 MA's), (8, 36205), (10, 36334), (12, 36391), (13, 36394),

Gene: Schiebel_49 Start: 36121, Stop: 36465, Start Num: 5

Candidate Starts for Schiebel_49:

(2, 35935), (3, 35944), (4, 36013), (Start: 5 @36121 has 64 MA's), (8, 36190), (10, 36319), (12, 36376), (13, 36379),

Gene: ShaboiShabazz_48 Start: 36136, Stop: 36480, Start Num: 5

Candidate Starts for ShaboiShabazz_48:

(2, 35950), (3, 35959), (4, 36028), (Start: 5 @36136 has 64 MA's), (8, 36205), (10, 36334), (12, 36391), (13, 36394),

Gene: Sizemore_49 Start: 36122, Stop: 36466, Start Num: 5

Candidate Starts for Sizemore_49:

(2, 35936), (3, 35945), (4, 36014), (Start: 5 @36122 has 64 MA's), (8, 36191), (10, 36320), (12, 36377), (13, 36380),

Gene: Sneeze_50 Start: 36358, Stop: 36717, Start Num: 5

Candidate Starts for Sneeze_50:

(Start: 5 @36358 has 64 MA's), (7, 36376), (9, 36523),

Gene: Sweets_48 Start: 36131, Stop: 36475, Start Num: 5

Candidate Starts for Sweets_48:

(2, 35945), (3, 35954), (4, 36023), (Start: 5 @36131 has 64 MA's), (8, 36200), (10, 36329), (12, 36386), (13, 36389),

Gene: Taheera_47 Start: 35734, Stop: 36093, Start Num: 5

Candidate Starts for Taheera_47:

(2, 35542), (Start: 5 @35734 has 64 MA's), (7, 35752),

Gene: Terror_47 Start: 35734, Stop: 36093, Start Num: 5

Candidate Starts for Terror_47:

(2, 35542), (Start: 5 @35734 has 64 MA's), (7, 35752),

Gene: TinaBug_49 Start: 36131, Stop: 36475, Start Num: 5

Candidate Starts for TinaBug_49:

(2, 35945), (3, 35954), (4, 36023), (Start: 5 @36131 has 64 MA's), (8, 36200), (10, 36329), (12, 36386), (13, 36389),

Gene: TomBrady_49 Start: 36137, Stop: 36481, Start Num: 5

Candidate Starts for TomBrady_49:

(2, 35951), (3, 35960), (4, 36029), (Start: 5 @36137 has 64 MA's), (8, 36206), (10, 36335), (12, 36392), (13, 36395),

Gene: Wendigo_49 Start: 36136, Stop: 36480, Start Num: 5

Candidate Starts for Wendigo_49:

(2, 35950), (3, 35959), (4, 36028), (Start: 5 @36136 has 64 MA's), (8, 36205), (10, 36334), (12, 36391), (13, 36394),

Gene: ZoMa_47 Start: 36136, Stop: 36480, Start Num: 5

Candidate Starts for ZoMa_47:

(2, 35950), (3, 35959), (4, 36028), (Start: 5 @36136 has 64 MA's), (8, 36205), (10, 36334), (12, 36391), (13, 36394),

Gene: Zombie_48 Start: 36136, Stop: 36480, Start Num: 5

Candidate Starts for Zombie_48:

(2, 35950), (3, 35959), (4, 36028), (Start: 5 @36136 has 64 MA's), (8, 36205), (10, 36334), (12, 36391), (13, 36394),