



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 268018 Report

This analysis was run 02/07/26 on database version 634.

Pham number 268018 has 71 members, 10 are drafts.

Phages represented in each track:

- Track 1 : BPs_53, Richarlison_52, Phloodle_52, Darionha_54, Kareem_54, Crespo_53, Remy19_54, Jeilious_53, BruceB_53, ShaboiShabazz_53, TomBrady_54, AizenPogi_53, Coleslaw_54, CLED96_54, Marmie_55, Chance64_55, Aroostook_55, Angel_53, OctaviousRex_53, Gomashi_53, Avrafan_53, Neoh_53, Frosty24_53, Ruriko_52, Sizemore_54, Kasen3_54, ZoMa_52, Wendigo_52, Sweets_53, Camri_54, Plagueis_55, JorRay_54, Schiebel_53, DingDing_52, Cedasite_54, DNAIII_0052, Jolene_54, Gideon_55, Renaissance_54, Cherrybomb426_54, Olga_54, Jonghyun_53, Halo_54, BQuat_54, CassieYates_54, GoldenAsh_53, Jane_54, TinaBug_54, Zombie_53, PinkYoshi_54, LouisV14_56, Liefie_52, Phish_53, Annihilator_53, ECartman_52, Hope_53, Mowgli_55, Hotshotbaby7_55, Phreak_55, Maliketh_52, DMoney_53, AzulaCat_54
- Track 2 : Peeb_53, Barkley26_52, Grizzly_54
- Track 3 : Periodt_55, Rattrick_55
- Track 4 : Terror_51, Taheera_51
- Track 5 : Sneeze_55, Rabbs_56

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

The start number called the most often in the published annotations is 11, it was called in 61 of the 61 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- AizenPogi_53, Angel_53, Annihilator_53, Aroostook_55, Avrafan_53, AzulaCat_54, BPs_53, BQuat_54, Barkley26_52, BruceB_53, CLED96_54, Camri_54, CassieYates_54, Cedasite_54, Chance64_55, Cherrybomb426_54, Coleslaw_54, Crespo_53, DMoney_53, DNAIII_0052, Darionha_54, DingDing_52, ECartman_52, Frosty24_53, Gideon_55, GoldenAsh_53, Gomashi_53, Grizzly_54, Halo_54, Hope_53, Hotshotbaby7_55, Jane_54, Jeilious_53, Jolene_54, Jonghyun_53, JorRay_54, Kareem_54, Kasen3_54, Liefie_52, LouisV14_56, Maliketh_52, Marmie_55, Mowgli_55, Neoh_53, OctaviousRex_53, Olga_54, Peeb_53, Periodt_55, Phish_53, Phloodle_52, Phreak_55, PinkYoshi_54, Plagueis_55, Rabbs_56, Rattrick_55, Remy19_54, Renaissance_54, Richarlison_52, Ruriko_52, Schiebel_53, ShaboiShabazz_53, Sizemore_54, Sneeze_55, Sweets_53, Taheera_51, Terror_51, TinaBug_54, TomBrady_54, Wendigo_52, ZoMa_52, Zombie_53,

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

-

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

-

Summary by start number:

Start 11:

- Found in 71 of 71 (100.0%) of genes in pham
- Manual Annotations of this start: 61 of 61
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AizenPogi_53 (G1), Angel_53 (G1), Annihilator_53 (G1), Aroostook_55 (G1), Avrafan_53 (G1), AzulaCat_54 (G1), BPs_53 (G1), BQuat_54 (G1), Barkley26_52 (G1), BruceB_53 (G1), CLED96_54 (G1), Camri_54 (G1), CassieYates_54 (G1), Cedasite_54 (G1), Chance64_55 (G1), Cherrybomb426_54 (G1), Coleslaw_54 (G1), Crespo_53 (G1), DMoney_53 (G1), DNAll_0052 (G1), Darionha_54 (G1), DingDing_52 (G1), ECartman_52 (G1), Frosty24_53 (G1), Gideon_55 (G1), GoldenAsh_53 (G1), Gomashi_53 (G1), Grizzly_54 (G1), Halo_54 (G1), Hope_53 (G1), Hotshotbaby7_55 (G1), Jane_54 (G1), Jeilious_53 (G1), Jolene_54 (G1), Jonghyun_53 (G1), JorRay_54 (G1), Kareem_54 (G1), Kasen3_54 (G1), Liefie_52 (G1), LouisV14_56 (G1), Maliketh_52 (G1), Marmie_55 (G1), Mowgli_55 (G1), Neoh_53 (G1), OctaviousRex_53 (G1), Olga_54 (G1), Peeb_53 (G1), Periodt_55 (G1), Phish_53 (G1), Phloodle_52 (G1), Phreak_55 (G1), PinkYoshi_54 (G1), Plagueis_55 (G1), Rabbs_56 (G1), Rattrick_55 (G1), Remy19_54 (G1), Renaissance_54 (G1), Richarlison_52 (G1), Ruriko_52 (G1), Schiebel_53 (G1), ShaboiShabazz_53 (G1), Sizemore_54 (G1), Sneeze_55 (G1), Sweets_53 (G1), Taheera_51 (G1), Terror_51 (G1), TinaBug_54 (G1), TomBrady_54 (G1), Wendigo_52 (G1), ZoMa_52 (G1), Zombie_53 (G1),

Summary by clusters:

There are 2 clusters represented in this pham: G, G1,

Info for manual annotations of cluster G1:

- Start number 11 was manually annotated 61 times for cluster G1.

Gene Information:

Gene: AizenPogi_53 Start: 38048, Stop: 38206, Start Num: 11

Candidate Starts for AizenPogi_53:

(Start: 11 @38048 has 61 MA's), (12, 38108), (13, 38120), (14, 38123),

Gene: Angel_53 Start: 38033, Stop: 38191, Start Num: 11

Candidate Starts for Angel_53:

(Start: 11 @38033 has 61 MA's), (12, 38093), (13, 38105), (14, 38108),

Gene: Annihilator_53 Start: 38039, Stop: 38197, Start Num: 11

Candidate Starts for Annihilator_53:

(Start: 11 @38039 has 61 MA's), (12, 38099), (13, 38111), (14, 38114),

Gene: Aroostook_55 Start: 38495, Stop: 38653, Start Num: 11

Candidate Starts for Aroostook_55:

(Start: 11 @38495 has 61 MA's), (12, 38555), (13, 38567), (14, 38570),

Gene: Avrafan_53 Start: 38048, Stop: 38206, Start Num: 11

Candidate Starts for Avrafan_53:

(Start: 11 @38048 has 61 MA's), (12, 38108), (13, 38120), (14, 38123),

Gene: AzulaCat_54 Start: 38048, Stop: 38206, Start Num: 11

Candidate Starts for AzulaCat_54:

(Start: 11 @38048 has 61 MA's), (12, 38108), (13, 38120), (14, 38123),

Gene: BPs_53 Start: 38048, Stop: 38206, Start Num: 11

Candidate Starts for BPs_53:

(Start: 11 @38048 has 61 MA's), (12, 38108), (13, 38120), (14, 38123),

Gene: BQuat_54 Start: 38485, Stop: 38643, Start Num: 11

Candidate Starts for BQuat_54:

(Start: 11 @38485 has 61 MA's), (12, 38545), (13, 38557), (14, 38560),

Gene: Barkley26_52 Start: 37837, Stop: 37995, Start Num: 11

Candidate Starts for Barkley26_52:

(Start: 11 @37837 has 61 MA's), (12, 37897), (13, 37909), (14, 37912),

Gene: BruceB_53 Start: 38048, Stop: 38206, Start Num: 11

Candidate Starts for BruceB_53:

(Start: 11 @38048 has 61 MA's), (12, 38108), (13, 38120), (14, 38123),

Gene: CLED96_54 Start: 38048, Stop: 38206, Start Num: 11

Candidate Starts for CLED96_54:

(Start: 11 @38048 has 61 MA's), (12, 38108), (13, 38120), (14, 38123),

Gene: Camri_54 Start: 38048, Stop: 38206, Start Num: 11

Candidate Starts for Camri_54:

(Start: 11 @38048 has 61 MA's), (12, 38108), (13, 38120), (14, 38123),

Gene: CassieYates_54 Start: 38048, Stop: 38206, Start Num: 11

Candidate Starts for CassieYates_54:

(Start: 11 @38048 has 61 MA's), (12, 38108), (13, 38120), (14, 38123),

Gene: Cedasite_54 Start: 38048, Stop: 38206, Start Num: 11

Candidate Starts for Cedasite_54:

(Start: 11 @38048 has 61 MA's), (12, 38108), (13, 38120), (14, 38123),

Gene: Chance64_55 Start: 38495, Stop: 38653, Start Num: 11

Candidate Starts for Chance64_55:

(Start: 11 @38495 has 61 MA's), (12, 38555), (13, 38567), (14, 38570),

Gene: Cherrybomb426_54 Start: 38048, Stop: 38206, Start Num: 11

Candidate Starts for Cherrybomb426_54:

(Start: 11 @38048 has 61 MA's), (12, 38108), (13, 38120), (14, 38123),

Gene: Coleslaw_54 Start: 38485, Stop: 38643, Start Num: 11
Candidate Starts for Coleslaw_54:
(Start: 11 @38485 has 61 MA's), (12, 38545), (13, 38557), (14, 38560),

Gene: Crespo_53 Start: 38049, Stop: 38207, Start Num: 11
Candidate Starts for Crespo_53:
(Start: 11 @38049 has 61 MA's), (12, 38109), (13, 38121), (14, 38124),

Gene: DMoney_53 Start: 38048, Stop: 38206, Start Num: 11
Candidate Starts for DMoney_53:
(Start: 11 @38048 has 61 MA's), (12, 38108), (13, 38120), (14, 38123),

Gene: DNAIII_0052 Start: 36583, Stop: 36741, Start Num: 11
Candidate Starts for DNAIII_0052:
(Start: 11 @36583 has 61 MA's), (12, 36643), (13, 36655), (14, 36658),

Gene: Darionha_54 Start: 38048, Stop: 38206, Start Num: 11
Candidate Starts for Darionha_54:
(Start: 11 @38048 has 61 MA's), (12, 38108), (13, 38120), (14, 38123),

Gene: DingDing_52 Start: 38048, Stop: 38206, Start Num: 11
Candidate Starts for DingDing_52:
(Start: 11 @38048 has 61 MA's), (12, 38108), (13, 38120), (14, 38123),

Gene: ECartman_52 Start: 38048, Stop: 38206, Start Num: 11
Candidate Starts for ECartman_52:
(Start: 11 @38048 has 61 MA's), (12, 38108), (13, 38120), (14, 38123),

Gene: Frosty24_53 Start: 38048, Stop: 38206, Start Num: 11
Candidate Starts for Frosty24_53:
(Start: 11 @38048 has 61 MA's), (12, 38108), (13, 38120), (14, 38123),

Gene: Gideon_55 Start: 38495, Stop: 38653, Start Num: 11
Candidate Starts for Gideon_55:
(Start: 11 @38495 has 61 MA's), (12, 38555), (13, 38567), (14, 38570),

Gene: GoldenAsh_53 Start: 38033, Stop: 38191, Start Num: 11
Candidate Starts for GoldenAsh_53:
(Start: 11 @38033 has 61 MA's), (12, 38093), (13, 38105), (14, 38108),

Gene: Gomashi_53 Start: 38049, Stop: 38207, Start Num: 11
Candidate Starts for Gomashi_53:
(Start: 11 @38049 has 61 MA's), (12, 38109), (13, 38121), (14, 38124),

Gene: Grizzly_54 Start: 38360, Stop: 38518, Start Num: 11
Candidate Starts for Grizzly_54:
(Start: 11 @38360 has 61 MA's), (12, 38420), (13, 38432), (14, 38435),

Gene: Halo_54 Start: 38595, Stop: 38753, Start Num: 11
Candidate Starts for Halo_54:
(Start: 11 @38595 has 61 MA's), (12, 38655), (13, 38667), (14, 38670),

Gene: Hope_53 Start: 38048, Stop: 38206, Start Num: 11
Candidate Starts for Hope_53:
(Start: 11 @38048 has 61 MA's), (12, 38108), (13, 38120), (14, 38123),

Gene: Hotshotbaby7_55 Start: 38495, Stop: 38653, Start Num: 11
Candidate Starts for Hotshotbaby7_55:
(Start: 11 @38495 has 61 MA's), (12, 38555), (13, 38567), (14, 38570),

Gene: Jane_54 Start: 38048, Stop: 38206, Start Num: 11
Candidate Starts for Jane_54:
(Start: 11 @38048 has 61 MA's), (12, 38108), (13, 38120), (14, 38123),

Gene: Jeilious_53 Start: 38047, Stop: 38205, Start Num: 11
Candidate Starts for Jeilious_53:
(Start: 11 @38047 has 61 MA's), (12, 38107), (13, 38119), (14, 38122),

Gene: Jolene_54 Start: 38450, Stop: 38608, Start Num: 11
Candidate Starts for Jolene_54:
(Start: 11 @38450 has 61 MA's), (12, 38510), (13, 38522), (14, 38525),

Gene: Jonghyun_53 Start: 38495, Stop: 38653, Start Num: 11
Candidate Starts for Jonghyun_53:
(Start: 11 @38495 has 61 MA's), (12, 38555), (13, 38567), (14, 38570),

Gene: JorRay_54 Start: 38048, Stop: 38206, Start Num: 11
Candidate Starts for JorRay_54:
(Start: 11 @38048 has 61 MA's), (12, 38108), (13, 38120), (14, 38123),

Gene: Kareem_54 Start: 38048, Stop: 38206, Start Num: 11
Candidate Starts for Kareem_54:
(Start: 11 @38048 has 61 MA's), (12, 38108), (13, 38120), (14, 38123),

Gene: Kasen3_54 Start: 38034, Stop: 38192, Start Num: 11
Candidate Starts for Kasen3_54:
(Start: 11 @38034 has 61 MA's), (12, 38094), (13, 38106), (14, 38109),

Gene: Liefie_52 Start: 38159, Stop: 38317, Start Num: 11
Candidate Starts for Liefie_52:
(Start: 11 @38159 has 61 MA's), (12, 38219), (13, 38231), (14, 38234),

Gene: LouisV14_56 Start: 40313, Stop: 40471, Start Num: 11
Candidate Starts for LouisV14_56:
(Start: 11 @40313 has 61 MA's), (12, 40373), (13, 40385), (14, 40388),

Gene: Maliketh_52 Start: 38048, Stop: 38206, Start Num: 11
Candidate Starts for Maliketh_52:
(Start: 11 @38048 has 61 MA's), (12, 38108), (13, 38120), (14, 38123),

Gene: Marmie_55 Start: 38494, Stop: 38652, Start Num: 11
Candidate Starts for Marmie_55:
(Start: 11 @38494 has 61 MA's), (12, 38554), (13, 38566), (14, 38569),

Gene: Mowgli_55 Start: 38494, Stop: 38652, Start Num: 11

Candidate Starts for Mowgli_55:

(Start: 11 @38494 has 61 MA's), (12, 38554), (13, 38566), (14, 38569),

Gene: Neoh_53 Start: 38486, Stop: 38644, Start Num: 11

Candidate Starts for Neoh_53:

(Start: 11 @38486 has 61 MA's), (12, 38546), (13, 38558), (14, 38561),

Gene: OctaviousRex_53 Start: 38048, Stop: 38206, Start Num: 11

Candidate Starts for OctaviousRex_53:

(Start: 11 @38048 has 61 MA's), (12, 38108), (13, 38120), (14, 38123),

Gene: Olga_54 Start: 38048, Stop: 38206, Start Num: 11

Candidate Starts for Olga_54:

(Start: 11 @38048 has 61 MA's), (12, 38108), (13, 38120), (14, 38123),

Gene: Peeb_53 Start: 38039, Stop: 38197, Start Num: 11

Candidate Starts for Peeb_53:

(Start: 11 @38039 has 61 MA's), (12, 38099), (13, 38111), (14, 38114),

Gene: Periodt_55 Start: 38886, Stop: 39044, Start Num: 11

Candidate Starts for Periodt_55:

(3, 38748), (5, 38769), (8, 38823), (Start: 11 @38886 has 61 MA's), (12, 38946), (13, 38958), (14, 38961),

Gene: Phish_53 Start: 38048, Stop: 38206, Start Num: 11

Candidate Starts for Phish_53:

(Start: 11 @38048 has 61 MA's), (12, 38108), (13, 38120), (14, 38123),

Gene: Phloodle_52 Start: 38063, Stop: 38221, Start Num: 11

Candidate Starts for Phloodle_52:

(Start: 11 @38063 has 61 MA's), (12, 38123), (13, 38135), (14, 38138),

Gene: Phreak_55 Start: 38493, Stop: 38651, Start Num: 11

Candidate Starts for Phreak_55:

(Start: 11 @38493 has 61 MA's), (12, 38553), (13, 38565), (14, 38568),

Gene: PinkYoshi_54 Start: 38039, Stop: 38197, Start Num: 11

Candidate Starts for PinkYoshi_54:

(Start: 11 @38039 has 61 MA's), (12, 38099), (13, 38111), (14, 38114),

Gene: Plagueis_55 Start: 38314, Stop: 38472, Start Num: 11

Candidate Starts for Plagueis_55:

(Start: 11 @38314 has 61 MA's), (12, 38374), (13, 38386), (14, 38389),

Gene: Rabbs_56 Start: 38475, Stop: 38633, Start Num: 11

Candidate Starts for Rabbs_56:

(1, 38193), (2, 38205), (4, 38352), (6, 38397), (7, 38406), (Start: 11 @38475 has 61 MA's), (12, 38535), (13, 38547), (14, 38550), (15, 38565), (16, 38598),

Gene: Rattrick_55 Start: 38886, Stop: 39044, Start Num: 11

Candidate Starts for Rattrick_55:

(3, 38748), (5, 38769), (8, 38823), (Start: 11 @38886 has 61 MA's), (12, 38946), (13, 38958), (14, 38961),

Gene: Remy19_54 Start: 38048, Stop: 38206, Start Num: 11
Candidate Starts for Remy19_54:
(Start: 11 @38048 has 61 MA's), (12, 38108), (13, 38120), (14, 38123),

Gene: Renaissance_54 Start: 38048, Stop: 38206, Start Num: 11
Candidate Starts for Renaissance_54:
(Start: 11 @38048 has 61 MA's), (12, 38108), (13, 38120), (14, 38123),

Gene: Richarlison_52 Start: 38033, Stop: 38191, Start Num: 11
Candidate Starts for Richarlison_52:
(Start: 11 @38033 has 61 MA's), (12, 38093), (13, 38105), (14, 38108),

Gene: Ruriko_52 Start: 38495, Stop: 38653, Start Num: 11
Candidate Starts for Ruriko_52:
(Start: 11 @38495 has 61 MA's), (12, 38555), (13, 38567), (14, 38570),

Gene: Schiebel_53 Start: 38033, Stop: 38191, Start Num: 11
Candidate Starts for Schiebel_53:
(Start: 11 @38033 has 61 MA's), (12, 38093), (13, 38105), (14, 38108),

Gene: ShaboiShabazz_53 Start: 38048, Stop: 38206, Start Num: 11
Candidate Starts for ShaboiShabazz_53:
(Start: 11 @38048 has 61 MA's), (12, 38108), (13, 38120), (14, 38123),

Gene: Sizemore_54 Start: 38034, Stop: 38192, Start Num: 11
Candidate Starts for Sizemore_54:
(Start: 11 @38034 has 61 MA's), (12, 38094), (13, 38106), (14, 38109),

Gene: Sneeze_55 Start: 38474, Stop: 38632, Start Num: 11
Candidate Starts for Sneeze_55:
(1, 38192), (2, 38204), (4, 38351), (6, 38396), (7, 38405), (Start: 11 @38474 has 61 MA's), (12, 38534),
(13, 38546), (14, 38549), (15, 38564), (16, 38597),

Gene: Sweets_53 Start: 38043, Stop: 38201, Start Num: 11
Candidate Starts for Sweets_53:
(Start: 11 @38043 has 61 MA's), (12, 38103), (13, 38115), (14, 38118),

Gene: Taheera_51 Start: 37374, Stop: 37532, Start Num: 11
Candidate Starts for Taheera_51:
(9, 37332), (10, 37341), (Start: 11 @37374 has 61 MA's), (12, 37434), (13, 37446), (14, 37449), (15, 37464),

Gene: Terror_51 Start: 37374, Stop: 37532, Start Num: 11
Candidate Starts for Terror_51:
(9, 37332), (10, 37341), (Start: 11 @37374 has 61 MA's), (12, 37434), (13, 37446), (14, 37449), (15, 37464),

Gene: TinaBug_54 Start: 38595, Stop: 38753, Start Num: 11
Candidate Starts for TinaBug_54:
(Start: 11 @38595 has 61 MA's), (12, 38655), (13, 38667), (14, 38670),

Gene: TomBrady_54 Start: 38049, Stop: 38207, Start Num: 11

Candidate Starts for TomBrady_54:

(Start: 11 @38049 has 61 MA's), (12, 38109), (13, 38121), (14, 38124),

Gene: Wendigo_52 Start: 38048, Stop: 38206, Start Num: 11

Candidate Starts for Wendigo_52:

(Start: 11 @38048 has 61 MA's), (12, 38108), (13, 38120), (14, 38123),

Gene: ZoMa_52 Start: 38048, Stop: 38206, Start Num: 11

Candidate Starts for ZoMa_52:

(Start: 11 @38048 has 61 MA's), (12, 38108), (13, 38120), (14, 38123),

Gene: Zombie_53 Start: 38048, Stop: 38206, Start Num: 11

Candidate Starts for Zombie_53:

(Start: 11 @38048 has 61 MA's), (12, 38108), (13, 38120), (14, 38123),