



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 169977 Report

This analysis was run 07/09/24 on database version 566.

Pham number 169977 has 63 members, 3 are drafts.

Phages represented in each track:

- Track 1 : DMoney_8, Peeb_8, ECartman_8, Hope_8, Kasen3_8, Liefie_8, Sweets_8, ShaboiShabazz_8, BruceB_8, Camri_8, Cedasite_8, Plagueis_8, GoldenAsh_8, Phreak_8, BQuat_8, Gomashi_8, OctaviousRex_8, Jolene_8, Hotshotbaby7_8, Avrafan_8, Jane_8, Angel_8, Schiebel_8, Phish_8, Periodt_8, CassieYates_8, Sizemore_8, Barkley26_8, Frosty24_8, Cherrybomb426_8, Crespo_8, Darionha_8, Olga_8, Aroostook_8, TomBrady_8, Annihilator_8, JorRay_8, ZoMa_8, Zombie_8, Marmie_8, CLED96_8, Halo_8, Gideon_8, Kareem_8, BPs_8, Mowgli_8, Chance64_8, PinkYoshi_8, Remy19_8, Coleslaw_8, Jonghyun_8, LouisV14_8, Renaissance_8
- Track 2 : Rabbs_8, Sneeze_8
- Track 3 : Taheera_8, Terror_8
- Track 4 : DNAlll_008
- Track 5 : Grizzly_8
- Track 6 : FlagStaff_8, Pace1224_8
- Track 7 : Avocado_8, Cambiare_9

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

The start number called the most often in the published annotations is 2, it was called in 57 of the 60 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Angel_8, Annihilator_8, Aroostook_8, Avrafan_8, BPs_8, BQuat_8, Barkley26_8, BruceB_8, CLED96_8, Camri_8, CassieYates_8, Cedasite_8, Chance64_8, Cherrybomb426_8, Coleslaw_8, Crespo_8, DMoney_8, DNAlll_008, Darionha_8, ECartman_8, Frosty24_8, Gideon_8, GoldenAsh_8, Gomashi_8, Grizzly_8, Halo_8, Hope_8, Hotshotbaby7_8, Jane_8, Jolene_8, Jonghyun_8, JorRay_8, Kareem_8, Kasen3_8, Liefie_8, LouisV14_8, Marmie_8, Mowgli_8, OctaviousRex_8, Olga_8, Peeb_8, Periodt_8, Phish_8, Phreak_8, PinkYoshi_8, Plagueis_8, Rabbs_8, Remy19_8, Renaissance_8, Schiebel_8, ShaboiShabazz_8, Sizemore_8, Sneeze_8, Sweets_8, Taheera_8, Terror_8, TomBrady_8, ZoMa_8, Zombie_8,

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

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

- Avocado_8, Cambiare_9, FlagStaff_8, Pace1224_8,

Summary by start number:

Start 1:

- Found in 4 of 63 (6.3%) of genes in pham
- Manual Annotations of this start: 3 of 60
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Avocado_8 (G2), Cambiare_9 (G2), FlagStaff_8 (G2), Pace1224_8 (G2),

Start 2:

- Found in 59 of 63 (93.7%) of genes in pham
- Manual Annotations of this start: 57 of 60
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Angel_8 (G1), Annihilator_8 (G1), Aroostook_8 (G1), Avrafan_8 (G1), BPs_8 (G1), BQuat_8 (G1), Barkley26_8 (G1), BruceB_8 (G1), CLED96_8 (G1), Camri_8 (G1), CassieYates_8 (G1), Cedasite_8 (G1), Chance64_8 (G1), Cherrybomb426_8 (G1), Coleslaw_8 (G1), Crespo_8 (G1), DMoney_8 (G1), DNAIII_008 (G1), Darionha_8 (G1), ECartman_8 (G1), Frosty24_8 (G1), Gideon_8 (G1), GoldenAsh_8 (G1), Gomashi_8 (G1), Grizzly_8 (G1), Halo_8 (G1), Hope_8 (G1), Hotshotbaby7_8 (G1), Jane_8 (G1), Jolene_8 (G1), Jonghyun_8 (G1), JorRay_8 (G1), Kareem_8 (G1), Kasen3_8 (G1), Liefie_8 (G1), LouisV14_8 (G1), Marmie_8 (G1), Mowgli_8 (G1), OctaviousRex_8 (G1), Olga_8 (G1), Peeb_8 (G1), Periodt_8 (G1), Phish_8 (G1), Phreak_8 (G1), PinkYoshi_8 (G1), Plagueis_8 (G1), Rabbs_8 (G1), Remy19_8 (G1), Renaissance_8 (G1), Schiebel_8 (G1), ShaboiShabazz_8 (G1), Sizemore_8 (G1), Sneeze_8 (G1), Sweets_8 (G1), Taheera_8 (G1), Terror_8 (G1), TomBrady_8 (G1), ZoMa_8 (G1), Zombie_8 (G1),

Summary by clusters:

There are 2 clusters represented in this pham: G2, G1,

Info for manual annotations of cluster G1:

- Start number 2 was manually annotated 57 times for cluster G1.

Info for manual annotations of cluster G2:

- Start number 1 was manually annotated 3 times for cluster G2.

Gene Information:

Gene: Angel_8 Start: 8075, Stop: 8302, Start Num: 2

Candidate Starts for Angel_8:

(Start: 2 @8075 has 57 MA's), (4, 8084), (6, 8102), (7, 8111), (8, 8159),

Gene: Annihilator_8 Start: 8075, Stop: 8302, Start Num: 2

Candidate Starts for Annihilator_8:

(Start: 2 @8075 has 57 MA's), (4, 8084), (6, 8102), (7, 8111), (8, 8159),

Gene: Aroostook_8 Start: 8075, Stop: 8302, Start Num: 2
Candidate Starts for Aroostook_8:
(Start: 2 @8075 has 57 MA's), (4, 8084), (6, 8102), (7, 8111), (8, 8159),

Gene: Avocado_8 Start: 8194, Stop: 8397, Start Num: 1
Candidate Starts for Avocado_8:
(Start: 1 @8194 has 3 MA's), (3, 8200),

Gene: Avrafan_8 Start: 8075, Stop: 8302, Start Num: 2
Candidate Starts for Avrafan_8:
(Start: 2 @8075 has 57 MA's), (4, 8084), (6, 8102), (7, 8111), (8, 8159),

Gene: BPs_8 Start: 8075, Stop: 8302, Start Num: 2
Candidate Starts for BPs_8:
(Start: 2 @8075 has 57 MA's), (4, 8084), (6, 8102), (7, 8111), (8, 8159),

Gene: BQuat_8 Start: 8075, Stop: 8302, Start Num: 2
Candidate Starts for BQuat_8:
(Start: 2 @8075 has 57 MA's), (4, 8084), (6, 8102), (7, 8111), (8, 8159),

Gene: Barkley26_8 Start: 8075, Stop: 8302, Start Num: 2
Candidate Starts for Barkley26_8:
(Start: 2 @8075 has 57 MA's), (4, 8084), (6, 8102), (7, 8111), (8, 8159),

Gene: BruceB_8 Start: 8075, Stop: 8302, Start Num: 2
Candidate Starts for BruceB_8:
(Start: 2 @8075 has 57 MA's), (4, 8084), (6, 8102), (7, 8111), (8, 8159),

Gene: CLED96_8 Start: 8075, Stop: 8302, Start Num: 2
Candidate Starts for CLED96_8:
(Start: 2 @8075 has 57 MA's), (4, 8084), (6, 8102), (7, 8111), (8, 8159),

Gene: Cambiare_9 Start: 8656, Stop: 8859, Start Num: 1
Candidate Starts for Cambiare_9:
(Start: 1 @8656 has 3 MA's), (3, 8662),

Gene: Camri_8 Start: 8075, Stop: 8302, Start Num: 2
Candidate Starts for Camri_8:
(Start: 2 @8075 has 57 MA's), (4, 8084), (6, 8102), (7, 8111), (8, 8159),

Gene: CassieYates_8 Start: 8075, Stop: 8302, Start Num: 2
Candidate Starts for CassieYates_8:
(Start: 2 @8075 has 57 MA's), (4, 8084), (6, 8102), (7, 8111), (8, 8159),

Gene: Cedasite_8 Start: 8075, Stop: 8302, Start Num: 2
Candidate Starts for Cedasite_8:
(Start: 2 @8075 has 57 MA's), (4, 8084), (6, 8102), (7, 8111), (8, 8159),

Gene: Chance64_8 Start: 8075, Stop: 8302, Start Num: 2
Candidate Starts for Chance64_8:
(Start: 2 @8075 has 57 MA's), (4, 8084), (6, 8102), (7, 8111), (8, 8159),

Gene: Cherrybomb426_8 Start: 8075, Stop: 8302, Start Num: 2

Candidate Starts for Cherrybomb426_8:
(Start: 2 @8075 has 57 MA's), (4, 8084), (6, 8102), (7, 8111), (8, 8159),

Gene: Coleslaw_8 Start: 8075, Stop: 8302, Start Num: 2
Candidate Starts for Coleslaw_8:
(Start: 2 @8075 has 57 MA's), (4, 8084), (6, 8102), (7, 8111), (8, 8159),

Gene: Crespo_8 Start: 8076, Stop: 8303, Start Num: 2
Candidate Starts for Crespo_8:
(Start: 2 @8076 has 57 MA's), (4, 8085), (6, 8103), (7, 8112), (8, 8160),

Gene: DMoney_8 Start: 8075, Stop: 8302, Start Num: 2
Candidate Starts for DMoney_8:
(Start: 2 @8075 has 57 MA's), (4, 8084), (6, 8102), (7, 8111), (8, 8159),

Gene: DNAIII_008 Start: 8084, Stop: 8311, Start Num: 2
Candidate Starts for DNAIII_008:
(Start: 2 @8084 has 57 MA's), (4, 8093), (6, 8111), (8, 8168),

Gene: Darionha_8 Start: 8075, Stop: 8302, Start Num: 2
Candidate Starts for Darionha_8:
(Start: 2 @8075 has 57 MA's), (4, 8084), (6, 8102), (7, 8111), (8, 8159),

Gene: ECartman_8 Start: 8075, Stop: 8302, Start Num: 2
Candidate Starts for ECartman_8:
(Start: 2 @8075 has 57 MA's), (4, 8084), (6, 8102), (7, 8111), (8, 8159),

Gene: FlagStaff_8 Start: 8146, Stop: 8343, Start Num: 1
Candidate Starts for FlagStaff_8:
(Start: 1 @8146 has 3 MA's), (4, 8158),

Gene: Frosty24_8 Start: 8075, Stop: 8302, Start Num: 2
Candidate Starts for Frosty24_8:
(Start: 2 @8075 has 57 MA's), (4, 8084), (6, 8102), (7, 8111), (8, 8159),

Gene: Gideon_8 Start: 8075, Stop: 8302, Start Num: 2
Candidate Starts for Gideon_8:
(Start: 2 @8075 has 57 MA's), (4, 8084), (6, 8102), (7, 8111), (8, 8159),

Gene: GoldenAsh_8 Start: 8075, Stop: 8302, Start Num: 2
Candidate Starts for GoldenAsh_8:
(Start: 2 @8075 has 57 MA's), (4, 8084), (6, 8102), (7, 8111), (8, 8159),

Gene: Gomashi_8 Start: 8076, Stop: 8303, Start Num: 2
Candidate Starts for Gomashi_8:
(Start: 2 @8076 has 57 MA's), (4, 8085), (6, 8103), (7, 8112), (8, 8160),

Gene: Grizzly_8 Start: 8075, Stop: 8302, Start Num: 2
Candidate Starts for Grizzly_8:
(Start: 2 @8075 has 57 MA's), (7, 8111), (8, 8159),

Gene: Halo_8 Start: 8076, Stop: 8297, Start Num: 2
Candidate Starts for Halo_8:

(Start: 2 @8076 has 57 MA's), (4, 8085), (6, 8103), (7, 8112), (8, 8160),

Gene: Hope_8 Start: 8075, Stop: 8302, Start Num: 2

Candidate Starts for Hope_8:

(Start: 2 @8075 has 57 MA's), (4, 8084), (6, 8102), (7, 8111), (8, 8159),

Gene: Hotshotbaby7_8 Start: 8075, Stop: 8302, Start Num: 2

Candidate Starts for Hotshotbaby7_8:

(Start: 2 @8075 has 57 MA's), (4, 8084), (6, 8102), (7, 8111), (8, 8159),

Gene: Jane_8 Start: 8075, Stop: 8302, Start Num: 2

Candidate Starts for Jane_8:

(Start: 2 @8075 has 57 MA's), (4, 8084), (6, 8102), (7, 8111), (8, 8159),

Gene: Jolene_8 Start: 8075, Stop: 8302, Start Num: 2

Candidate Starts for Jolene_8:

(Start: 2 @8075 has 57 MA's), (4, 8084), (6, 8102), (7, 8111), (8, 8159),

Gene: Jonghyun_8 Start: 8075, Stop: 8302, Start Num: 2

Candidate Starts for Jonghyun_8:

(Start: 2 @8075 has 57 MA's), (4, 8084), (6, 8102), (7, 8111), (8, 8159),

Gene: JorRay_8 Start: 8075, Stop: 8302, Start Num: 2

Candidate Starts for JorRay_8:

(Start: 2 @8075 has 57 MA's), (4, 8084), (6, 8102), (7, 8111), (8, 8159),

Gene: Kareem_8 Start: 8075, Stop: 8302, Start Num: 2

Candidate Starts for Kareem_8:

(Start: 2 @8075 has 57 MA's), (4, 8084), (6, 8102), (7, 8111), (8, 8159),

Gene: Kasen3_8 Start: 8076, Stop: 8303, Start Num: 2

Candidate Starts for Kasen3_8:

(Start: 2 @8076 has 57 MA's), (4, 8085), (6, 8103), (7, 8112), (8, 8160),

Gene: Liefie_8 Start: 8074, Stop: 8301, Start Num: 2

Candidate Starts for Liefie_8:

(Start: 2 @8074 has 57 MA's), (4, 8083), (6, 8101), (7, 8110), (8, 8158),

Gene: LouisV14_8 Start: 8075, Stop: 8302, Start Num: 2

Candidate Starts for LouisV14_8:

(Start: 2 @8075 has 57 MA's), (4, 8084), (6, 8102), (7, 8111), (8, 8159),

Gene: Marmie_8 Start: 8075, Stop: 8302, Start Num: 2

Candidate Starts for Marmie_8:

(Start: 2 @8075 has 57 MA's), (4, 8084), (6, 8102), (7, 8111), (8, 8159),

Gene: Mowgli_8 Start: 8075, Stop: 8302, Start Num: 2

Candidate Starts for Mowgli_8:

(Start: 2 @8075 has 57 MA's), (4, 8084), (6, 8102), (7, 8111), (8, 8159),

Gene: OctaviousRex_8 Start: 8075, Stop: 8302, Start Num: 2

Candidate Starts for OctaviousRex_8:

(Start: 2 @8075 has 57 MA's), (4, 8084), (6, 8102), (7, 8111), (8, 8159),

Gene: Olga_8 Start: 8075, Stop: 8302, Start Num: 2
Candidate Starts for Olga_8:
(Start: 2 @8075 has 57 MA's), (4, 8084), (6, 8102), (7, 8111), (8, 8159),

Gene: Pace1224_8 Start: 8146, Stop: 8343, Start Num: 1
Candidate Starts for Pace1224_8:
(Start: 1 @8146 has 3 MA's), (4, 8158),

Gene: Peeb_8 Start: 8075, Stop: 8302, Start Num: 2
Candidate Starts for Peeb_8:
(Start: 2 @8075 has 57 MA's), (4, 8084), (6, 8102), (7, 8111), (8, 8159),

Gene: Periodt_8 Start: 8075, Stop: 8302, Start Num: 2
Candidate Starts for Periodt_8:
(Start: 2 @8075 has 57 MA's), (4, 8084), (6, 8102), (7, 8111), (8, 8159),

Gene: Phish_8 Start: 8075, Stop: 8302, Start Num: 2
Candidate Starts for Phish_8:
(Start: 2 @8075 has 57 MA's), (4, 8084), (6, 8102), (7, 8111), (8, 8159),

Gene: Phreak_8 Start: 8075, Stop: 8302, Start Num: 2
Candidate Starts for Phreak_8:
(Start: 2 @8075 has 57 MA's), (4, 8084), (6, 8102), (7, 8111), (8, 8159),

Gene: PinkYoshi_8 Start: 8075, Stop: 8302, Start Num: 2
Candidate Starts for PinkYoshi_8:
(Start: 2 @8075 has 57 MA's), (4, 8084), (6, 8102), (7, 8111), (8, 8159),

Gene: Plagueis_8 Start: 8075, Stop: 8302, Start Num: 2
Candidate Starts for Plagueis_8:
(Start: 2 @8075 has 57 MA's), (4, 8084), (6, 8102), (7, 8111), (8, 8159),

Gene: Rabbs_8 Start: 8071, Stop: 8286, Start Num: 2
Candidate Starts for Rabbs_8:
(Start: 2 @8071 has 57 MA's), (4, 8080), (7, 8107),

Gene: Remy19_8 Start: 8075, Stop: 8302, Start Num: 2
Candidate Starts for Remy19_8:
(Start: 2 @8075 has 57 MA's), (4, 8084), (6, 8102), (7, 8111), (8, 8159),

Gene: Renaissance_8 Start: 8075, Stop: 8302, Start Num: 2
Candidate Starts for Renaissance_8:
(Start: 2 @8075 has 57 MA's), (4, 8084), (6, 8102), (7, 8111), (8, 8159),

Gene: Schiebel_8 Start: 8075, Stop: 8302, Start Num: 2
Candidate Starts for Schiebel_8:
(Start: 2 @8075 has 57 MA's), (4, 8084), (6, 8102), (7, 8111), (8, 8159),

Gene: ShaboiShabazz_8 Start: 8075, Stop: 8302, Start Num: 2
Candidate Starts for ShaboiShabazz_8:
(Start: 2 @8075 has 57 MA's), (4, 8084), (6, 8102), (7, 8111), (8, 8159),

Gene: Sizemore_8 Start: 8076, Stop: 8303, Start Num: 2
Candidate Starts for Sizemore_8:
(Start: 2 @8076 has 57 MA's), (4, 8085), (6, 8103), (7, 8112), (8, 8160),

Gene: Sneeze_8 Start: 8070, Stop: 8285, Start Num: 2
Candidate Starts for Sneeze_8:
(Start: 2 @8070 has 57 MA's), (4, 8079), (7, 8106),

Gene: Sweets_8 Start: 8076, Stop: 8297, Start Num: 2
Candidate Starts for Sweets_8:
(Start: 2 @8076 has 57 MA's), (4, 8085), (6, 8103), (7, 8112), (8, 8160),

Gene: Taheera_8 Start: 8080, Stop: 8295, Start Num: 2
Candidate Starts for Taheera_8:
(Start: 2 @8080 has 57 MA's), (4, 8089), (5, 8104), (7, 8116),

Gene: Terror_8 Start: 8080, Stop: 8295, Start Num: 2
Candidate Starts for Terror_8:
(Start: 2 @8080 has 57 MA's), (4, 8089), (5, 8104), (7, 8116),

Gene: TomBrady_8 Start: 8076, Stop: 8303, Start Num: 2
Candidate Starts for TomBrady_8:
(Start: 2 @8076 has 57 MA's), (4, 8085), (6, 8103), (7, 8112), (8, 8160),

Gene: ZoMa_8 Start: 8075, Stop: 8302, Start Num: 2
Candidate Starts for ZoMa_8:
(Start: 2 @8075 has 57 MA's), (4, 8084), (6, 8102), (7, 8111), (8, 8159),

Gene: Zombie_8 Start: 8075, Stop: 8302, Start Num: 2
Candidate Starts for Zombie_8:
(Start: 2 @8075 has 57 MA's), (4, 8084), (6, 8102), (7, 8111), (8, 8159),