Pham 216675

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 216675 Report

This analysis was run 02/22/25 on database version 588.

Pham number 216675 has 15 members, 2 are drafts.

Phages represented in each track:
• Track 1 : SummitAcademy_58, BigChungus_58, Yucky_62, Feastonyeet_58, PotPie_58, Vine_61, Bavilard_57
• Track 2 : Mayweather_62, CherryonLim_59
• Track 3 : Pons_60
• Track 4 : MAnor_60
• Track 5 : SheckWes_62
• Track 6 : Lauer_53
• Track 7 : KayGee_61, Elinal_63

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

The start number called the most often in the published annotations is 1, it was called in 13 of the 13 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Bavilard_57, BigChungus_58, CherryonLim_59, Elinal_63, Feastonyeet_58, KayGee_61, Lauer_53, MAnor_60, Mayweather_62, Pons_60, PotPie_58, SheckWes_62, SummitAcademy_58, Vine_61, Yucky_62,

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 1:
• Found in 15 of 15 (100.0%) of genes in pham
• Manual Annotations of this start: 13 of 13
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Bavilard_57 (CT), BigChungus_58 (CT), CherryonLim_59 (CT), Elinal_63 (CT), Feastonyeet_58 (CT), KayGee_61 (CT), Lauer_53 (CT), MAnor_60 (CT), Mayweather_62 (CT), Pons_60 (CT), PotPie_58

(CT), SheckWes_62 (CT), SummitAcademy_58 (CT), Vine_61 (CT), Yucky_62 (CT),

Summary by clusters:

There is one cluster represented in this pham: CT

Info for manual annotations of cluster CT:
•Start number 1 was manually annotated 13 times for cluster CT.

Gene Information:

Gene: Bavilard_57 Start: 40350, Stop: 40153, Start Num: 1
Candidate Starts for Bavilard_57:
(Start: 1 @40350 has 13 MA's), (4, 40260), (8, 40206), (9, 40197), (11, 40188), (12, 40167),

Gene: BigChungus_58 Start: 40881, Stop: 40681, Start Num: 1
Candidate Starts for BigChungus_58:
(Start: 1 @40881 has 13 MA's), (4, 40791), (8, 40737), (9, 40728), (11, 40719), (12, 40698),

Gene: CherryonLim_59 Start: 42360, Stop: 42154, Start Num: 1
Candidate Starts for CherryonLim_59:
(Start: 1 @42360 has 13 MA's), (4, 42267), (5, 42261), (9, 42204), (10, 42201),

Gene: Elinal_63 Start: 41689, Stop: 41462, Start Num: 1
Candidate Starts for Elinal_63:
(Start: 1 @41689 has 13 MA's), (4, 41572), (5, 41566), (8, 41518), (9, 41509), (11, 41500), (12, 41479),

Gene: Feastonyeet_58 Start: 40881, Stop: 40681, Start Num: 1
Candidate Starts for Feastonyeet_58:
(Start: 1 @40881 has 13 MA's), (4, 40791), (8, 40737), (9, 40728), (11, 40719), (12, 40698),

Gene: KayGee_61 Start: 41689, Stop: 41462, Start Num: 1
Candidate Starts for KayGee_61:
(Start: 1 @41689 has 13 MA's), (4, 41572), (5, 41566), (8, 41518), (9, 41509), (11, 41500), (12, 41479),

Gene: Lauer_53 Start: 41866, Stop: 41672, Start Num: 1
Candidate Starts for Lauer_53:
(Start: 1 @41866 has 13 MA's), (4, 41773), (5, 41767), (7, 41752), (9, 41710), (10, 41707),

Gene: MAnor_60 Start: 41820, Stop: 41593, Start Num: 1
Candidate Starts for MAnor_60:
(Start: 1 @41820 has 13 MA's), (2, 41754), (3, 41712), (4, 41703), (6, 41691), (8, 41649), (9, 41640), (11, 41631), (12, 41610),

Gene: Mayweather_62 Start: 42083, Stop: 41889, Start Num: 1
Candidate Starts for Mayweather_62:
(Start: 1 @42083 has 13 MA's), (4, 41990), (5, 41984), (9, 41927), (10, 41924),

Gene: Pons_60 Start: 41425, Stop: 41198, Start Num: 1
Candidate Starts for Pons_60:

(Start: 1 @41425 has 13 MA's), (2, 41359), (3, 41317), (4, 41308), (6, 41296), (8, 41254), (9, 41245), (11, 41236), (12, 41215),

Gene: PotPie_58 Start: 41916, Stop: 41716, Start Num: 1
Candidate Starts for PotPie_58:
(Start: 1 @41916 has 13 MA's), (4, 41826), (8, 41772), (9, 41763), (11, 41754), (12, 41733),

Gene: SheckWes_62 Start: 40956, Stop: 40756, Start Num: 1
Candidate Starts for SheckWes_62:
(Start: 1 @40956 has 13 MA's), (4, 40863), (7, 40848), (9, 40806), (10, 40803),

Gene: SummitAcademy_58 Start: 41059, Stop: 40859, Start Num: 1
Candidate Starts for SummitAcademy_58:
(Start: 1 @41059 has 13 MA's), (4, 40969), (8, 40915), (9, 40906), (11, 40897), (12, 40876),

Gene: Vine_61 Start: 41682, Stop: 41482, Start Num: 1
Candidate Starts for Vine_61:
(Start: 1 @41682 has 13 MA's), (4, 41592), (8, 41538), (9, 41529), (11, 41520), (12, 41499),

Gene: Yucky_62 Start: 41474, Stop: 41274, Start Num: 1
Candidate Starts for Yucky_62:
(Start: 1 @41474 has 13 MA's), (4, 41384), (8, 41330), (9, 41321), (11, 41312), (12, 41291),