Pham 348183


1: Whitney_18 + 1
2: Phistory_18
3: BarnCat_6
4: JuicyJay_36 + 4
5: Optimus_33
6: Hidrated_35 + 1
7: Thibault_31

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 348183 Report

This analysis was run 11/14/26 on database version 672.

Pham number 348183 has 13 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Whitney_18, Getalong_18
• Track 2 : Phistory_18
• Track 3 : BarnCat_6
• Track 4 : JuicyJay_36, Minerva_35, Pound_35, Zelink_36, Bobby_36
• Track 5 : Optimus_33
• Track 6 : Hidrated_35, Marleymoo_39
• Track 7 : Thibault_31

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 8 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Bobby_36, Hidrated_35, JuicyJay_36, Marleymoo_39, Minerva_35, Optimus_33, Pound_35, Thibault_31, Zelink_36,

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:
• BarnCat_6, Getalong_18, Phistory_18, Whitney_18,

Summary by start number:

Start 5:
• Found in 9 of 13 (69.2%) of genes in pham
• Manual Annotations of this start: 8 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Bobby_36 (J), Hidrated_35 (J), JuicyJay_36 (J), Marleymoo_39 (J), Minerva_35 (J), Optimus_33 (J), Pound_35 (J), Thibault_31 (J), Zelink_36 (J),

Start 6:

• Found in 1 of 13 (7.7%) of genes in pham
• Manual Annotations of this start: 1 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BarnCat_6 (GB),

Start 7:
• Found in 3 of 13 (23.1%) of genes in pham
• Manual Annotations of this start: 3 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Getalong_18 (DN1), Phistory_18 (DN1), Whitney_18 (DN1),

Summary by clusters:

There are 3 clusters represented in this pham: J, DN1, GB,

Info for manual annotations of cluster DN1:
•Start number 7 was manually annotated 3 times for cluster DN1.

Info for manual annotations of cluster GB:
•Start number 6 was manually annotated 1 time for cluster GB.

Info for manual annotations of cluster J:
•Start number 5 was manually annotated 8 times for cluster J.

Gene Information:

Gene: BarnCat_6 Start: 1575, Stop: 2393, Start Num: 6
Candidate Starts for BarnCat_6:
(Start: 6 @1575 has 1 MA's), (8, 1623), (14, 1779), (19, 2034), (23, 2082), (24, 2133), (26, 2163), (32, 2256), (33, 2262), (35, 2298), (36, 2334),

Gene: Bobby_36 Start: 26040, Stop: 25063, Start Num: 5
Candidate Starts for Bobby_36:
(Start: 5 @26040 has 8 MA's), (10, 25938), (16, 25710), (18, 25590), (27, 25431), (30, 25389), (31, 25350), (39, 25155), (40, 25140), (44, 25113),

Gene: Getalong_18 Start: 9543, Stop: 10580, Start Num: 7
Candidate Starts for Getalong_18:
(1, 9330), (2, 9462), (3, 9483), (4, 9486), (Start: 7 @9543 has 3 MA's), (8, 9588), (9, 9591), (12, 9663), (13, 9693), (15, 9804), (17, 9921), (21, 10101), (22, 10104), (28, 10218), (30, 10242), (34, 10323), (37, 10413), (38, 10482), (43, 10527), (46, 10569),

Gene: Hidrated_35 Start: 27506, Stop: 26529, Start Num: 5
Candidate Starts for Hidrated_35:
(Start: 5 @27506 has 8 MA's), (10, 27404), (11, 27389), (16, 27176), (18, 27056), (27, 26897), (30, 26855), (31, 26816), (39, 26621), (40, 26606), (44, 26579),

Gene: JuicyJay_36 Start: 26948, Stop: 25971, Start Num: 5
Candidate Starts for JuicyJay_36:

(Start: 5 @26948 has 8 MA's), (10, 26846), (16, 26618), (18, 26498), (27, 26339), (30, 26297), (31, 26258), (39, 26063), (40, 26048), (44, 26021),

Gene: Marleymoo_39 Start: 28051, Stop: 27074, Start Num: 5
Candidate Starts for Marleymoo_39:
(Start: 5 @28051 has 8 MA's), (10, 27949), (11, 27934), (16, 27721), (18, 27601), (27, 27442), (30, 27400), (31, 27361), (39, 27166), (40, 27151), (44, 27124),

Gene: Minerva_35 Start: 26194, Stop: 25217, Start Num: 5
Candidate Starts for Minerva_35:
(Start: 5 @26194 has 8 MA's), (10, 26092), (16, 25864), (18, 25744), (27, 25585), (30, 25543), (31, 25504), (39, 25309), (40, 25294), (44, 25267),

Gene: Optimus_33 Start: 25748, Stop: 24771, Start Num: 5
Candidate Starts for Optimus_33:
(Start: 5 @25748 has 8 MA's), (10, 25646), (11, 25631), (16, 25418), (18, 25298), (27, 25139), (31, 25058), (39, 24863), (41, 24833), (44, 24821), (45, 24788),

Gene: Phistory_18 Start: 9529, Stop: 10557, Start Num: 7
Candidate Starts for Phistory_18:
(1, 9316), (2, 9448), (3, 9469), (4, 9472), (Start: 7 @9529 has 3 MA's), (8, 9574), (12, 9646), (17, 9904), (20, 10048), (25, 10147), (28, 10201), (29, 10222), (30, 10225), (37, 10396), (42, 10501), (43, 10504),

Gene: Pound_35 Start: 26474, Stop: 25497, Start Num: 5
Candidate Starts for Pound_35:
(Start: 5 @26474 has 8 MA's), (10, 26372), (16, 26144), (18, 26024), (27, 25865), (30, 25823), (31, 25784), (39, 25589), (40, 25574), (44, 25547),

Gene: Thibault_31 Start: 25610, Stop: 24633, Start Num: 5
Candidate Starts for Thibault_31:
(Start: 5 @25610 has 8 MA's), (10, 25508), (16, 25280), (18, 25160), (27, 25001), (30, 24959), (31, 24920), (39, 24725), (41, 24695), (44, 24683), (45, 24650),

Gene: Whitney_18 Start: 9543, Stop: 10580, Start Num: 7
Candidate Starts for Whitney_18:
(1, 9330), (2, 9462), (3, 9483), (4, 9486), (Start: 7 @9543 has 3 MA's), (8, 9588), (9, 9591), (12, 9663), (13, 9693), (15, 9804), (17, 9921), (21, 10101), (22, 10104), (28, 10218), (30, 10242), (34, 10323), (37, 10413), (38, 10482), (43, 10527), (46, 10569),

Gene: Zelink_36 Start: 26279, Stop: 25302, Start Num: 5
Candidate Starts for Zelink_36:
(Start: 5 @26279 has 8 MA's), (10, 26177), (16, 25949), (18, 25829), (27, 25670), (30, 25628), (31, 25589), (39, 25394), (40, 25379), (44, 25352),