Pham 291834

1: Zimmer_68
2: Refuge_68
3: DarthPhader_68
4: Steamy_66
5: DroogsArmy_64
6: PP_69
7: HINdeR_66

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 291834 Report

This analysis was run 03/28/26 on database version 641.

Pham number 291834 has 7 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Zimmer_68
• Track 2 : Refuge_68
• Track 3 : DarthPhader_68
• Track 4 : Steamy_66
• Track 5 : DroogsArmy_64
• Track 6 : PP_69
• Track 7 : HINdeR_66

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

The start number called the most often in the published annotations is 13, it was called in 3 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• DarthPhader_68, Refuge_68, Zimmer_68,

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:
• DroogsArmy_64, HINdeR_66, PP_69, Steamy_66,

Summary by start number:

Start 7:
• Found in 1 of 7 (14.3%) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: PP_69 (A7),

Start 8:
• Found in 2 of 7 (28.6%) of genes in pham
• Manual Annotations of this start: 2 of 7
• Called 100.0% of time when present

• Phage (with cluster) where this start called: DroogsArmy_64 (A7), HINdeR_66 (A7),

Start 12:
• Found in 4 of 7 (57.1%) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 25.0% of time when present
• Phage (with cluster) where this start called: Steamy_66 (A12),

Start 13:
• Found in 3 of 7 (42.9%) of genes in pham
• Manual Annotations of this start: 3 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: DarthPhader_68 (A12), Refuge_68 (A12), Zimmer_68 (A12),

Summary by clusters:

There are 2 clusters represented in this pham: A7, A12,

Info for manual annotations of cluster A12:
•Start number 12 was manually annotated 1 time for cluster A12.
•Start number 13 was manually annotated 3 times for cluster A12.

Info for manual annotations of cluster A7:
•Start number 7 was manually annotated 1 time for cluster A7.
•Start number 8 was manually annotated 2 times for cluster A7.

Gene Information:

Gene: DarthPhader_68 Start: 43667, Stop: 43356, Start Num: 13
Candidate Starts for DarthPhader_68:
(1, 43808), (Start: 12 @43670 has 1 MA's), (Start: 13 @43667 has 3 MA's), (15, 43619), (16, 43568), (17, 43529), (19, 43520), (22, 43487), (28, 43382),

Gene: DroogsArmy_64 Start: 45309, Stop: 44944, Start Num: 8
Candidate Starts for DroogsArmy_64:
(Start: 8 @45309 has 2 MA's), (11, 45276), (14, 45231), (16, 45153), (17, 45114), (19, 45105), (23, 45057), (24, 45045), (25, 45042), (26, 45039), (27, 45018), (28, 44967), (30, 44949),

Gene: HINdeR_66 Start: 44898, Stop: 44536, Start Num: 8
Candidate Starts for HINdeR_66:
(Start: 8 @44898 has 2 MA's), (11, 44865), (14, 44826), (16, 44745), (17, 44706), (19, 44697), (23, 44649), (25, 44634), (26, 44631), (27, 44610), (28, 44559), (30, 44541),

Gene: PP_69 Start: 46873, Stop: 46463, Start Num: 7
Candidate Starts for PP_69:
(4, 46894), (6, 46879), (Start: 7 @46873 has 1 MA's), (9, 46807), (10, 46801), (17, 46633), (18, 46630), (19, 46624), (20, 46597), (21, 46594), (23, 46576), (27, 46537), (29, 46483),

Gene: Refuge_68 Start: 43722, Stop: 43405, Start Num: 13
Candidate Starts for Refuge_68:

(2, 43860), (5, 43821), (Start: 12 @43725 has 1 MA's), (Start: 13 @43722 has 3 MA's), (15, 43668), (16, 43617), (17, 43578), (19, 43569), (22, 43536),

Gene: Steamy_66 Start: 42070, Stop: 41750, Start Num: 12
Candidate Starts for Steamy_66:
(3, 42181), (Start: 12 @42070 has 1 MA's), (15, 42013), (19, 41914), (22, 41881), (23, 41866),

Gene: Zimmer_68 Start: 43433, Stop: 43122, Start Num: 13
Candidate Starts for Zimmer_68:
(Start: 12 @43436 has 1 MA's), (Start: 13 @43433 has 3 MA's), (15, 43385), (16, 43334), (17, 43295), (19, 43286), (22, 43253), (24, 43226), (28, 43148),