Pham 348115


1: Wollstar_67
2: Tandem_62 + 1
3: Alleb_63
4: Uterion_68 + 3
5: Lupine_63
6: Hubbs_65
7: Roman_66
8: Saradis_65
9: Jacko_65
10: Solimine_65
11: Zucker_82
12: Yappy_22

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 348115 Report

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

WARNING: Pham size does not match number of genes in report. Either unphamerated genes have been added (by you) or starterator has removed genes due to invalid start codon.

Pham number 348115 has 16 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Wolfstar_67
• Track 2 : Tandem_62, Pioneer3_62
• Track 3 : Alleb_63
• Track 4 : Uterion_68, DejaVu_66, PhillyPhilly_64, Pavlo_64
• Track 5 : Lupine_63
• Track 6 : Hubbs_65
• Track 7 : Roman_66
• Track 8 : Saradis_65
• Track 9 : Jacko_65
• Track 10 : Solimine_65
• Track 11 : Zucker_82
• Track 12 : Yappy_22

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

The start number called the most often in the published annotations is 8, it was called in 12 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Alleb_63, DejaVu_66, Hubbs_65, Jacko_65, Lupine_63, Pavlo_64, PhillyPhilly_64, Pioneer3_62, Roman_66, Saradis_65, Solimine_65, Tandem_62, Uterion_68, Wolfstar_67,

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:
• Yappy_22, Zucker_82,

Summary by start number:

Start 7:
• Found in 1 of 16 (6.2%) of genes in pham
• Manual Annotations of this start: 1 of 14
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Zucker_82 (FN),

Start 8:
• Found in 14 of 16 (87.5%) of genes in pham
• Manual Annotations of this start: 12 of 14
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Alleb_63 (ED1), DejaVu_66 (ED1), Hubbs_65 (ED1), Jacko_65 (ED1), Lupine_63 (ED1), Pavlo_64 (ED1), PhillyPhilly_64 (ED1), Pioneer3_62 (ED1), Roman_66 (ED1), Saradis_65 (ED1), Solimine_65 (ED1), Tandem_62 (ED1), Uterion_68 (ED1), Wolfstar_67 (ED),

Start 18:
• Found in 1 of 16 (6.2%) of genes in pham
• Manual Annotations of this start: 1 of 14
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Yappy_22 (singleton),

Summary by clusters:

There are 4 clusters represented in this pham: ED, singleton, ED1, FN,

Info for manual annotations of cluster ED:
•Start number 8 was manually annotated 1 time for cluster ED.

Info for manual annotations of cluster ED1:
•Start number 8 was manually annotated 11 times for cluster ED1.

Info for manual annotations of cluster FN:
•Start number 7 was manually annotated 1 time for cluster FN.

Gene Information:

Gene: Alleb_63 Start: 38335, Stop: 37907, Start Num: 8
Candidate Starts for Alleb_63:
(6, 38347), (Start: 8 @38335 has 12 MA's), (12, 38314), (28, 38128), (33, 38041),

Gene: DejaVu_66 Start: 38300, Stop: 37887, Start Num: 8
Candidate Starts for DejaVu_66:
(6, 38312), (Start: 8 @38300 has 12 MA's), (11, 38285), (20, 38237), (22, 38216), (24, 38213),

Gene: Hubbs_65 Start: 38508, Stop: 38095, Start Num: 8
Candidate Starts for Hubbs_65:
(6, 38520), (Start: 8 @38508 has 12 MA's), (20, 38445), (22, 38424), (24, 38421), (30, 38271), (32, 38253),

Gene: Jacko_65 Start: 37248, Stop: 36841, Start Num: 8

Candidate Starts for Jacko_65:
(Start: 8 @37248 has 12 MA's), (19, 37191), (21, 37176), (28, 37062),

Gene: Lupine_63 Start: 37714, Stop: 37301, Start Num: 8
Candidate Starts for Lupine_63:
(6, 37726), (Start: 8 @37714 has 12 MA's), (13, 37687), (20, 37651), (22, 37630), (28, 37516), (30, 37477),

Gene: Pavlo_64 Start: 38359, Stop: 37946, Start Num: 8
Candidate Starts for Pavlo_64:
(6, 38371), (Start: 8 @38359 has 12 MA's), (11, 38344), (20, 38296), (22, 38275), (24, 38272),

Gene: PhillyPhilly_64 Start: 37893, Stop: 37480, Start Num: 8
Candidate Starts for PhillyPhilly_64:
(6, 37905), (Start: 8 @37893 has 12 MA's), (11, 37878), (20, 37830), (22, 37809), (24, 37806),

Gene: Pioneer3_62 Start: 38332, Stop: 37904, Start Num: 8
Candidate Starts for Pioneer3_62:
(6, 38344), (Start: 8 @38332 has 12 MA's), (28, 38125), (33, 38038),

Gene: Roman_66 Start: 38562, Stop: 38149, Start Num: 8
Candidate Starts for Roman_66:
(3, 38655), (4, 38589), (5, 38574), (Start: 8 @38562 has 12 MA's), (11, 38547), (20, 38499), (22, 38478), (24, 38475), (33, 38277),

Gene: Saradis_65 Start: 37952, Stop: 37539, Start Num: 8
Candidate Starts for Saradis_65:
(6, 37964), (Start: 8 @37952 has 12 MA's), (20, 37889), (22, 37868), (24, 37865), (33, 37667),

Gene: Solimine_65 Start: 38360, Stop: 37953, Start Num: 8
Candidate Starts for Solimine_65:
(6, 38372), (Start: 8 @38360 has 12 MA's), (17, 38306), (28, 38168), (33, 38081),

Gene: Tandem_62 Start: 38430, Stop: 38002, Start Num: 8
Candidate Starts for Tandem_62:
(6, 38442), (Start: 8 @38430 has 12 MA's), (28, 38223), (33, 38136),

Gene: Uterion_68 Start: 38461, Stop: 38048, Start Num: 8
Candidate Starts for Uterion_68:
(6, 38473), (Start: 8 @38461 has 12 MA's), (11, 38446), (20, 38398), (22, 38377), (24, 38374),

Gene: Wolfstar_67 Start: 39602, Stop: 39174, Start Num: 8
Candidate Starts for Wolfstar_67:
(1, 39830), (2, 39827), (6, 39614), (Start: 8 @39602 has 12 MA's), (10, 39593), (20, 39539), (26, 39434), (27, 39431), (33, 39305),

Gene: Yappy_22 Start: 6722, Stop: 7054, Start Num: 18
Candidate Starts for Yappy_22:
(15, 6704), (16, 6707), (Start: 18 @6722 has 1 MA's), (23, 6749), (28, 6857), (29, 6869), (30, 6893), (31, 6899), (34, 6992), (35, 7034),

Gene: Zucker_82 Start: 48335, Stop: 48733, Start Num: 7
Candidate Starts for Zucker_82:

(Start: 7 @48335 has 1 MA's), (9, 48344), (14, 48374), (25, 48473), (28, 48524),