Pham 348188


1: Gambino_87 + 2
2: Frokostdame_83
3: CheeseSpider_89
4: JasperJr_77 + 1
5: BlingBling_75
6: Wisp_75
7: Lysidious_82
8: Denise_72
9: Malisha_93
10: REQ2_79

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 348188 Report

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

Pham number 348188 has 13 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Gambino_87, Azula_85, MissRona_85
• Track 2 : Frokostdame_83
• Track 3 : CheeseSpider_89
• Track 4 : JasperJr_77, Guacamole_77
• Track 5 : BlingBling_75
• Track 6 : Wisp_75
• Track 7 : Lysidious_82
• Track 8 : Denise_72
• Track 9 : Malisha_93
• Track 10 : REQ2_79

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

The start number called the most often in the published annotations is 15, it was called in 5 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BlingBling_75, Guacamole_77, JasperJr_77, Lysidious_82, Wisp_75,

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:
• Azula_85, CheeseSpider_89, Denise_72, Frokostdame_83, Gambino_87, Malisha_93, MissRona_85, REQ2_79,

Summary by start number:

Start 14:
• Found in 2 of 13 (15.4%) of genes in pham
• Manual Annotations of this start: 2 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Denise_72 (CZ5), Malisha_93 (DN),

Start 15:
• Found in 5 of 13 (38.5%) of genes in pham
• Manual Annotations of this start: 5 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BlingBling_75 (CV), Guacamole_77 (CV), JasperJr_77 (CV), Lysidious_82 (CV), Wisp_75 (CV),

Start 17:
• Found in 4 of 13 (30.8%) of genes in pham
• Manual Annotations of this start: 4 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Azula_85 (CV), Frokostdame_83 (CV), Gambino_87 (CV), MissRona_85 (CV),

Start 18:
• Found in 1 of 13 (7.7%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: REQ2_79 (singleton),

Start 20:
• 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: CheeseSpider_89 (CV),

Summary by clusters:

There are 4 clusters represented in this pham: DN, singleton, CV, CZ5,

Info for manual annotations of cluster CV:
•Start number 15 was manually annotated 5 times for cluster CV.
•Start number 17 was manually annotated 4 times for cluster CV.
•Start number 20 was manually annotated 1 time for cluster CV.

Info for manual annotations of cluster CZ5:
•Start number 14 was manually annotated 1 time for cluster CZ5.

Info for manual annotations of cluster DN:
•Start number 14 was manually annotated 1 time for cluster DN.

Gene Information:

Gene: Azula_85 Start: 52425, Stop: 52931, Start Num: 17
Candidate Starts for Azula_85:
(12, 52362), (13, 52395), (Start: 17 @52425 has 4 MA's), (29, 52572), (33, 52605), (36, 52650), (39, 52680), (44, 52881),

Gene: BlingBling_75 Start: 47632, Stop: 48156, Start Num: 15
Candidate Starts for BlingBling_75:
(Start: 15 @47632 has 5 MA's), (19, 47656), (22, 47710), (28, 47785), (30, 47797),

Gene: CheeseSpider_89 Start: 52237, Stop: 52719, Start Num: 20
Candidate Starts for CheeseSpider_89:
(16, 52210), (Start: 20 @52237 has 1 MA's), (21, 52252), (29, 52360), (39, 52468), (43, 52603), (44, 52669),

Gene: Denise_72 Start: 42269, Stop: 42910, Start Num: 14
Candidate Starts for Denise_72:
(3, 41783), (4, 41819), (8, 41975), (10, 42014), (Start: 14 @42269 has 2 MA's), (31, 42449), (32, 42455), (35, 42518), (38, 42551), (40, 42590), (41, 42680), (44, 42788), (45, 42806),

Gene: Frokostdame_83 Start: 51333, Stop: 51839, Start Num: 17
Candidate Starts for Frokostdame_83:
(4, 50868), (5, 50901), (7, 51009), (8, 51024), (10, 51060), (Start: 17 @51333 has 4 MA's), (29, 51480), (33, 51513), (36, 51558),

Gene: Gambino_87 Start: 52425, Stop: 52931, Start Num: 17
Candidate Starts for Gambino_87:
(12, 52362), (13, 52395), (Start: 17 @52425 has 4 MA's), (29, 52572), (33, 52605), (36, 52650), (39, 52680), (44, 52881),

Gene: Guacamole_77 Start: 48781, Stop: 49305, Start Num: 15
Candidate Starts for Guacamole_77:
(Start: 15 @48781 has 5 MA's), (19, 48805), (22, 48859), (28, 48934), (30, 48946), (34, 49003),

Gene: JasperJr_77 Start: 48781, Stop: 49305, Start Num: 15
Candidate Starts for JasperJr_77:
(Start: 15 @48781 has 5 MA's), (19, 48805), (22, 48859), (28, 48934), (30, 48946), (34, 49003),

Gene: Lysidious_82 Start: 49840, Stop: 50364, Start Num: 15
Candidate Starts for Lysidious_82:
(Start: 15 @49840 has 5 MA's), (19, 49864), (22, 49918), (28, 49993), (30, 50005),

Gene: Malisha_93 Start: 54059, Stop: 54694, Start Num: 14
Candidate Starts for Malisha_93:
(1, 53384), (2, 53537), (3, 53573), (4, 53609), (6, 53741), (7, 53750), (8, 53765), (9, 53795), (10, 53804), (Start: 14 @54059 has 2 MA's), (23, 54170), (27, 54212), (31, 54236), (35, 54305), (38, 54338), (40, 54374), (41, 54464), (45, 54590), (46, 54671), (47, 54674),

Gene: MissRona_85 Start: 52426, Stop: 52932, Start Num: 17
Candidate Starts for MissRona_85:
(12, 52363), (13, 52396), (Start: 17 @52426 has 4 MA's), (29, 52573), (33, 52606), (36, 52651), (39, 52681), (44, 52882),

Gene: REQ2_79 Start: 46736, Stop: 47323, Start Num: 18
Candidate Starts for REQ2_79:
(11, 46598), (18, 46736), (24, 46835), (25, 46841), (42, 47123), (44, 47207),

Gene: Wisp_75 Start: 48505, Stop: 49029, Start Num: 15
Candidate Starts for Wisp_75:
(Start: 15 @48505 has 5 MA's), (19, 48529), (22, 48583), (26, 48652), (30, 48670), (34, 48727), (37, 48754),