Pham 346207


1: Bunnybear_67
2: Madavieve_68 + 2
3: WelcomeAyanna_72 + 2
4: Maridalia_72
5: SharkTale_67
6: Lucky10_64
7: BearBQ_89
8: Getalong_92 + 5
9: Zodiariah_65
10: Jace_39

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 346207 Report

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

Pham number 346207 has 19 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Bunnybear_67
• Track 2 : Madavieve_68, Madeline_66, SushiChef_72
• Track 3 : WelcomeAyanna_72, RavenCo17_68, ThankyouJordi_72
• Track 4 : Maridalia_72
• Track 5 : SharkTale_67
• Track 6 : Lucky10_64
• Track 7 : BearBQ_89
• Track 8 : Getalong_92, Phabuloso_96, BotCity_91, Kenna_84, BENtherdunthat_89, Lutum_90
• Track 9 : Zodiariah_65
• Track 10 : Jace_39

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

The start number called the most often in the published annotations is 9, it was called in 16 of the 16 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BENtherdunthat_89, BearBQ_89, BotCity_91, Bunnybear_67, Getalong_92, Jace_39, Kenna_84, Lucky10_64, Lutum_90, Madavieve_68, Madeline_66, Maridalia_72, Phabuloso_96, RavenCo17_68, SushiChef_72, ThankyouJordi_72, WelcomeAyanna_72, Zodiariah_65,

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:
• SharkTale_67,

Summary by start number:

Start 8:
• Found in 1 of 19 (5.3%) of genes in pham
• No Manual Annotations of this start.

• Called 100.0% of time when present
• Phage (with cluster) where this start called: SharkTale_67 (DC1),

Start 9:
• Found in 18 of 19 (94.7%) of genes in pham
• Manual Annotations of this start: 16 of 16
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BENtherdunthat_89 (DN1), BearBQ_89 (DN), BotCity_91 (DN), Bunnybear_67 (CZ), Getalong_92 (DN1), Jace_39 (singleton), Kenna_84 (DN1), Lucky10_64 (DH), Lutum_90 (DN1), Madavieve_68 (CZ1), Madeline_66 (CZ1), Maridalia_72 (CZ1), Phabuloso_96 (DN1), RavenCo17_68 (CZ8), SushiChef_72 (CZ), ThankyouJordi_72 (CZ1), WelcomeAyanna_72 (CZ1), Zodiariah_65 (DW),

Summary by clusters:

There are 9 clusters represented in this pham: DN, singleton, DH, CZ1, CZ8, CZ, DN1, DW, DC1,

Info for manual annotations of cluster CZ:
•Start number 9 was manually annotated 1 time for cluster CZ.

Info for manual annotations of cluster CZ1:
•Start number 9 was manually annotated 4 times for cluster CZ1.

Info for manual annotations of cluster CZ8:
•Start number 9 was manually annotated 1 time for cluster CZ8.

Info for manual annotations of cluster DH:
•Start number 9 was manually annotated 1 time for cluster DH.

Info for manual annotations of cluster DN:
•Start number 9 was manually annotated 2 times for cluster DN.

Info for manual annotations of cluster DN1:
•Start number 9 was manually annotated 5 times for cluster DN1.

Info for manual annotations of cluster DW:
•Start number 9 was manually annotated 1 time for cluster DW.

Gene Information:

Gene: BENtherdunthat_89 Start: 48908, Stop: 49252, Start Num: 9
Candidate Starts for BENtherdunthat_89:
(5, 48719), (Start: 9 @48908 has 16 MA's), (13, 48986), (19, 49079), (20, 49082), (24, 49196), (26, 49244),

Gene: BearBQ_89 Start: 50470, Stop: 50814, Start Num: 9
Candidate Starts for BearBQ_89:

(1, 50149), (6, 50329), (Start: 9 @50470 has 16 MA's), (12, 50545), (13, 50548), (17, 50599), (19, 50641), (20, 50644), (24, 50758), (26, 50806),

Gene: BotCity_91 Start: 50437, Stop: 50781, Start Num: 9
Candidate Starts for BotCity_91:
(5, 50248), (Start: 9 @50437 has 16 MA's), (13, 50515), (19, 50608), (20, 50611), (24, 50725), (26, 50773),

Gene: Bunnybear_67 Start: 47210, Stop: 47542, Start Num: 9
Candidate Starts for Bunnybear_67:
(2, 46955), (Start: 9 @47210 has 16 MA's), (20, 47384), (24, 47498), (25, 47534),

Gene: Getalong_92 Start: 51363, Stop: 51707, Start Num: 9
Candidate Starts for Getalong_92:
(5, 51174), (Start: 9 @51363 has 16 MA's), (13, 51441), (19, 51534), (20, 51537), (24, 51651), (26, 51699),

Gene: Jace_39 Start: 29450, Stop: 29782, Start Num: 9
Candidate Starts for Jace_39:
(3, 29198), (4, 29207), (Start: 9 @29450 has 16 MA's), (11, 29522), (15, 29552), (18, 29588), (20, 29624), (21, 29636), (22, 29687), (23, 29702),

Gene: Kenna_84 Start: 48181, Stop: 48525, Start Num: 9
Candidate Starts for Kenna_84:
(5, 47992), (Start: 9 @48181 has 16 MA's), (13, 48259), (19, 48352), (20, 48355), (24, 48469), (26, 48517),

Gene: Lucky10_64 Start: 40485, Stop: 40817, Start Num: 9
Candidate Starts for Lucky10_64:
(6, 40344), (Start: 9 @40485 has 16 MA's), (20, 40659), (24, 40773),

Gene: Lutum_90 Start: 49343, Stop: 49687, Start Num: 9
Candidate Starts for Lutum_90:
(5, 49154), (Start: 9 @49343 has 16 MA's), (13, 49421), (19, 49514), (20, 49517), (24, 49631), (26, 49679),

Gene: Madavieve_68 Start: 47342, Stop: 47674, Start Num: 9
Candidate Starts for Madavieve_68:
(2, 47087), (Start: 9 @47342 has 16 MA's), (20, 47516), (24, 47630), (25, 47666),

Gene: Madeline_66 Start: 47902, Stop: 48234, Start Num: 9
Candidate Starts for Madeline_66:
(2, 47647), (Start: 9 @47902 has 16 MA's), (20, 48076), (24, 48190), (25, 48226),

Gene: Maridalia_72 Start: 47222, Stop: 47554, Start Num: 9
Candidate Starts for Maridalia_72:
(Start: 9 @47222 has 16 MA's), (10, 47258), (20, 47396), (24, 47510), (25, 47546),

Gene: Phabuloso_96 Start: 50835, Stop: 51179, Start Num: 9
Candidate Starts for Phabuloso_96:
(5, 50646), (Start: 9 @50835 has 16 MA's), (13, 50913), (19, 51006), (20, 51009), (24, 51123), (26, 51171),

Gene: RavenCo17_68 Start: 47032, Stop: 47364, Start Num: 9
Candidate Starts for RavenCo17_68:
(Start: 9 @47032 has 16 MA's), (20, 47206), (24, 47320), (25, 47356),

Gene: SharkTale_67 Start: 49241, Stop: 49609, Start Num: 8
Candidate Starts for SharkTale_67:
(7, 49115), (8, 49241), (14, 49343), (16, 49355), (19, 49436), (21, 49454), (24, 49565), (25, 49601),

Gene: SushiChef_72 Start: 49109, Stop: 49441, Start Num: 9
Candidate Starts for SushiChef_72:
(2, 48854), (Start: 9 @49109 has 16 MA's), (20, 49283), (24, 49397), (25, 49433),

Gene: ThankyouJordi_72 Start: 49350, Stop: 49682, Start Num: 9
Candidate Starts for ThankyouJordi_72:
(Start: 9 @49350 has 16 MA's), (20, 49524), (24, 49638), (25, 49674),

Gene: WelcomeAyanna_72 Start: 49497, Stop: 49829, Start Num: 9
Candidate Starts for WelcomeAyanna_72:
(Start: 9 @49497 has 16 MA's), (20, 49671), (24, 49785), (25, 49821),

Gene: Zodiariah_65 Start: 48508, Stop: 48843, Start Num: 9
Candidate Starts for Zodiariah_65:
(2, 48253), (Start: 9 @48508 has 16 MA's), (20, 48682), (22, 48745), (24, 48799), (25, 48835),