# Pham 333237


3
11
17
25
26
27
1: LilMcDreamy_95
2
3
5
11
18
20
25
26
27
2: Mysterious_94 + 1
2
3
8
25
26
27
3: Reccee_95 + 3
2
3
4
7
9
14
15
24
26
27
4: Phelemich_92 + 1
2
3
8
25
26
5: EastView9101_94 + 1
3
11
13
25
26
27
6: Baee_93 + 1
1
2
3
6
8
19
22
23
24
25
26
27
7: Shenyu_95 + 2
1
2
3
9
10
14
15
16
21
24
25
26
27
8: StinkyVeggy_92 + 1
3
12
18
20
25
26
27
9: Serendipitous_95
2
3
5
13
25
26
10: SirJeffery_92

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 333237 Report

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

Pham number 333237 has 20 members, 8 are drafts.

Phages represented in each track:
• Track 1 : LilMcDreamy_95
• Track 2 : Mysterious_94, Nehemiah_94
• Track 3 : Reccee_95, Suigeneris_95, Acadian_94, Rita130_93
• Track 4 : Phelemich_92, Reprobate_94
• Track 5 : EastView9101_94, Donny_94
• Track 6 : Baee_93, Rich_92
• Track 7 : Shenyu_95, DigitDog_96, Nangang_95
• Track 8 : StinkyVeggy_92, KarasumaRum_92
• Track 9 : Serendipitous_95
• Track 10 : SirJeffery_92

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

The start number called the most often in the published annotations is 3, it was called in 12 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Acadian_94, Baee_93, DigitDog_96, Donny_94, EastView9101_94, KarasumaRum_92, LilMcDreamy_95, Mysterious_94, Nangang_95, Nehemiah_94, Phelemich_92, Reccee_95, Reprobate_94, Rich_92, Rita130_93, Serendipitous_95, Shenyu_95, SirJeffery_92, StinkyVeggy_92, Suigeneris_95,

Genes that have the "Most Annotated" start but do not call it:
•

Genes that do not have the "Most Annotated" start:
•

**Summary by start number:**

Start 3:
• Found in 20 of 20 ( 100.0% ) of genes in pham
• Manual Annotations of this start: 12 of 12
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Acadian_94 (B5), Baee_93 (B5), DigitDog_96 (B5), Donny_94 (B5), EastView9101_94 (B5), KarasumaRum_92 (B5), LilMcDreamy_95 (B12), Mysterious_94 (B5), Nangang_95 (B5), Nehemiah_94 (B5), Phelemich_92 (B5), Reccee_95 (B5), Reprobate_94 (B5), Rich_92 (B5), Rita130_93 (B5), Serendipitous_95 (B5), Shenyu_95 (B5), SirJeffery_92 (B5), StinkyVeggy_92 (B5), Suigeneris_95 (B5),

**Summary by clusters:**

There are 2 clusters represented in this pham: B5, B12,

Info for manual annotations of cluster B12:
•Start number 3 was manually annotated 1 time for cluster B12.

Info for manual annotations of cluster B5:
•Start number 3 was manually annotated 11 times for cluster B5.

***Gene Information:***

Gene: Acadian_94 Start: 68448, Stop: 68014, Start Num: 3
Candidate Starts for Acadian_94:
(2, 68484), (Start: 3 @68448 has 12 MA's), (8, 68301), (25, 68097), (26, 68061), (27, 68037),

Gene: Baee_93 Start: 68886, Stop: 68524, Start Num: 3
Candidate Starts for Baee_93:
(Start: 3 @68886 has 12 MA's), (11, 68742), (13, 68715), (25, 68607), (26, 68571), (27, 68547),

Gene: DigitDog_96 Start: 68959, Stop: 68555, Start Num: 3
Candidate Starts for DigitDog_96:
(1, 69025), (2, 68995), (Start: 3 @68959 has 12 MA's), (6, 68821), (8, 68812), (19, 68713), (22, 68674), (23, 68668), (24, 68647), (25, 68638), (26, 68602), (27, 68578),

Gene: Donny_94 Start: 68275, Stop: 67841, Start Num: 3
Candidate Starts for Donny_94:
(2, 68311), (Start: 3 @68275 has 12 MA's), (8, 68128), (25, 67924), (26, 67888),

Gene: EastView9101_94 Start: 68467, Stop: 68033, Start Num: 3
Candidate Starts for EastView9101_94:
(2, 68503), (Start: 3 @68467 has 12 MA's), (8, 68320), (25, 68116), (26, 68080),

Gene: KarasumaRum_92 Start: 68235, Stop: 67822, Start Num: 3
Candidate Starts for KarasumaRum_92:
(1, 68301), (2, 68271), (Start: 3 @68235 has 12 MA's), (9, 68085), (10, 68082), (14, 68028), (15, 68007), (16, 67995), (21, 67965), (24, 67914), (25, 67905), (26, 67869), (27, 67845),

Gene: LilMcDreamy_95 Start: 70337, Stop: 69876, Start Num: 3
Candidate Starts for LilMcDreamy_95:
(Start: 3 @70337 has 12 MA's), (11, 70187), (17, 70100), (25, 69986), (26, 69950), (27, 69926),

Gene: Mysterious_94 Start: 69365, Stop: 68889, Start Num: 3
Candidate Starts for Mysterious_94:

(2, 69401), (Start: 3 @69365 has 12 MA's), (5, 69257), (11, 69188), (18, 69083), (20, 69044), (25, 68972), (26, 68936), (27, 68912),

Gene: Nangang_95 Start: 68855, Stop: 68451, Start Num: 3
Candidate Starts for Nangang_95:
(1, 68921), (2, 68891), (Start: 3 @68855 has 12 MA's), (6, 68717), (8, 68708), (19, 68609), (22, 68570), (23, 68564), (24, 68543), (25, 68534), (26, 68498), (27, 68474),

Gene: Nehemiah_94 Start: 69233, Stop: 68757, Start Num: 3
Candidate Starts for Nehemiah_94:
(2, 69269), (Start: 3 @69233 has 12 MA's), (5, 69125), (11, 69056), (18, 68951), (20, 68912), (25, 68840), (26, 68804), (27, 68780),

Gene: Phelemich_92 Start: 69193, Stop: 68786, Start Num: 3
Candidate Starts for Phelemich_92:
(2, 69229), (Start: 3 @69193 has 12 MA's), (4, 69178), (7, 69055), (9, 69049), (14, 68992), (15, 68971), (24, 68878), (26, 68833), (27, 68809),

Gene: Reccee_95 Start: 68718, Stop: 68284, Start Num: 3
Candidate Starts for Reccee_95:
(2, 68754), (Start: 3 @68718 has 12 MA's), (8, 68571), (25, 68367), (26, 68331), (27, 68307),

Gene: Reprobate_94 Start: 69198, Stop: 68791, Start Num: 3
Candidate Starts for Reprobate_94:
(2, 69234), (Start: 3 @69198 has 12 MA's), (4, 69183), (7, 69060), (9, 69054), (14, 68997), (15, 68976), (24, 68883), (26, 68838), (27, 68814),

Gene: Rich_92 Start: 68438, Stop: 68076, Start Num: 3
Candidate Starts for Rich_92:
(Start: 3 @68438 has 12 MA's), (11, 68294), (13, 68267), (25, 68159), (26, 68123), (27, 68099),

Gene: Rita130_93 Start: 68421, Stop: 67987, Start Num: 3
Candidate Starts for Rita130_93:
(2, 68457), (Start: 3 @68421 has 12 MA's), (8, 68274), (25, 68070), (26, 68034), (27, 68010),

Gene: Serendipitous_95 Start: 68448, Stop: 68020, Start Num: 3
Candidate Starts for Serendipitous_95:
(Start: 3 @68448 has 12 MA's), (12, 68292), (18, 68214), (20, 68175), (25, 68103), (26, 68067), (27, 68043),

Gene: Shenyu_95 Start: 68853, Stop: 68449, Start Num: 3
Candidate Starts for Shenyu_95:
(1, 68919), (2, 68889), (Start: 3 @68853 has 12 MA's), (6, 68715), (8, 68706), (19, 68607), (22, 68568), (23, 68562), (24, 68541), (25, 68532), (26, 68496), (27, 68472),

Gene: SirJeffery_92 Start: 68436, Stop: 68068, Start Num: 3
Candidate Starts for SirJeffery_92:
(2, 68472), (Start: 3 @68436 has 12 MA's), (5, 68328), (13, 68259), (25, 68151), (26, 68115),

Gene: StinkyVeggy_92 Start: 68235, Stop: 67822, Start Num: 3
Candidate Starts for StinkyVeggy_92:
(1, 68301), (2, 68271), (Start: 3 @68235 has 12 MA's), (9, 68085), (10, 68082), (14, 68028), (15, 68007), (16, 67995), (21, 67965), (24, 67914), (25, 67905), (26, 67869), (27, 67845),

Gene: Suigeneris_95 Start: 68663, Stop: 68229, Start Num: 3
Candidate Starts for Suigeneris_95:
(2, 68699), (Start: 3 @68663 has 12 MA's), (8, 68516), (25, 68312), (26, 68276), (27, 68252),