# Pham 348455


4
8
12
21
1: Alone3_1
1
2
3
5
6
7
10
11
16
17
20
2: Specks_159
1
2
3
5
6
7
10
11
16
17
20
22
3: ArcherS7_155
13
14
15
16
4: Ziko_129
9
12
18
19
5: Cosmo_118

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 348455 Report

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

Pham number 348455 has 5 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Alone3_1
• Track 2 : Specks_159
• Track 3 : ArcherS7_155
• Track 4 : Ziko_129
• Track 5 : Cosmo_118

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

The start number called the most often in the published annotations is 12, it was called in 2 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Alone3_1, Cosmo_118,

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

Genes that do not have the "Most Annotated" start:
• ArcherS7_155, Specks_159, Ziko_129,

**Summary by start number:**

Start 10:
• Found in 2 of 5 ( 40.0% ) of genes in pham
• Manual Annotations of this start: 2 of 5
• Called 100.0% of time when present
• Phage (with cluster) where this start called: ArcherS7_155 (C1), Specks_159 (C1),

Start 12:
• Found in 2 of 5 ( 40.0% ) of genes in pham
• Manual Annotations of this start: 2 of 5
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Alone3_1 (BS), Cosmo_118 (V),

Start 13:
• Found in 1 of 5 ( 20.0% ) of genes in pham
• Manual Annotations of this start: 1 of 5
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Ziko_129 (DP),

**Summary by clusters:**

There are 4 clusters represented in this pham: C1, V, DP, BS,

Info for manual annotations of cluster BS:
•Start number 12 was manually annotated 1 time for cluster BS.

Info for manual annotations of cluster C1:
•Start number 10 was manually annotated 2 times for cluster C1.

Info for manual annotations of cluster DP:
•Start number 13 was manually annotated 1 time for cluster DP.

Info for manual annotations of cluster V:
•Start number 12 was manually annotated 1 time for cluster V.

***Gene Information:***

Gene: Alone3_1 Start: 415, Stop: 230, Start Num: 12
Candidate Starts for Alone3_1:
(4, 496), (8, 460), (Start: 12 @415 has 2 MA's), (21, 268),

Gene: ArcherS7_155 Start: 91627, Stop: 91848, Start Num: 10
Candidate Starts for ArcherS7_155:
(1, 91312), (2, 91321), (3, 91375), (5, 91555), (6, 91573), (7, 91576), (Start: 10 @91627 has 2 MA's), (11, 91630), (16, 91678), (17, 91681), (20, 91762), (22, 91804),

Gene: Cosmo_118 Start: 61707, Stop: 61874, Start Num: 12
Candidate Starts for Cosmo_118:
(9, 61695), (Start: 12 @61707 has 2 MA's), (18, 61812), (19, 61815),

Gene: Specks_159 Start: 93260, Stop: 93517, Start Num: 10
Candidate Starts for Specks_159:
(1, 92945), (2, 92954), (3, 93008), (5, 93188), (6, 93206), (7, 93209), (Start: 10 @93260 has 2 MA's), (11, 93263), (16, 93311), (17, 93314), (20, 93395),

Gene: Ziko_129 Start: 62244, Stop: 62399, Start Num: 13
Candidate Starts for Ziko_129:
(Start: 13 @62244 has 1 MA's), (14, 62265), (15, 62274), (16, 62283),