Pham 346459


9
11
15
17
19
22
25
1: Frizzle_55 + 1
6
11
18
24
25
2: Archimedes_57
8
11
22
24
25
3: Sapo_57
1
2
3
4
10
14
19
4: Lilbeanie_86
5
16
21
23
5: CherryTomatoes_38
16
21
23
6: SCentae_36 + 1

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 346459 Report

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

Pham number 346459 has 8 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Frizzle_55, Ghobes_56
• Track 2 : Archimedes_57
• Track 3 : Sapo_57
• Track 4 : Lilbeanie_86
• Track 5 : CherryTomatoes_38
• Track 6 : SCentae_36, Pupper_36

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 2 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Frizzle_55, Ghobes_56,

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

Genes that do not have the "Most Annotated" start:
• Archimedes_57, CherryTomatoes_38, Lilbeanie_86, Pupper_36, SCentae_36, Sapo_57,

Summary by start number:

Start 7:
• Found in 1 of 8 (12.5%) of genes in pham
• Manual Annotations of this start: 1 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Archimedes_57 (DA),

Start 8:
• Found in 1 of 8 (12.5%) of genes in pham
• Manual Annotations of this start: 1 of 8
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Sapo_57 (DA),

Start 9:
• Found in 2 of 8 (25.0%) of genes in pham
• Manual Annotations of this start: 2 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Frizzle_55 (DA), Ghobes_56 (DA),

Start 10:
• Found in 1 of 8 (12.5%) of genes in pham
• Manual Annotations of this start: 1 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Lilbeanie_86 (DE5),

Start 12:
• Found in 3 of 8 (37.5%) of genes in pham
• Manual Annotations of this start: 1 of 8
• Called 33.3% of time when present
• Phage (with cluster) where this start called: CherryTomatoes_38 (DO),

Start 13:
• Found in 3 of 8 (37.5%) of genes in pham
• Manual Annotations of this start: 2 of 8
• Called 66.7% of time when present
• Phage (with cluster) where this start called: Pupper_36 (DO), SCentae_36 (DO),

Summary by clusters:

There are 3 clusters represented in this pham: DO, DE5, DA,

Info for manual annotations of cluster DA:
•Start number 7 was manually annotated 1 time for cluster DA.
•Start number 8 was manually annotated 1 time for cluster DA.
•Start number 9 was manually annotated 2 times for cluster DA.

Info for manual annotations of cluster DE5:
•Start number 10 was manually annotated 1 time for cluster DE5.

Info for manual annotations of cluster DO:
•Start number 12 was manually annotated 1 time for cluster DO.
•Start number 13 was manually annotated 2 times for cluster DO.

Gene Information:

Gene: Archimedes_57 Start: 43859, Stop: 44050, Start Num: 7
Candidate Starts for Archimedes_57:
(6, 43856), (Start: 7 @43859 has 1 MA's), (11, 43901), (18, 43940), (24, 44012), (25, 44039),

Gene: CherryTomatoes_38 Start: 12749, Stop: 12922, Start Num: 12
Candidate Starts for CherryTomatoes_38:

(5, 12581), (Start: 12 @12749 has 1 MA's), (Start: 13 @12752 has 2 MA's), (16, 12773), (19, 12806), (20, 12812), (21, 12818), (23, 12842),

Gene: Frizzle_55 Start: 43989, Stop: 44198, Start Num: 9
Candidate Starts for Frizzle_55:
(Start: 9 @43989 has 2 MA's), (11, 44016), (15, 44046), (16, 44049), (17, 44055), (19, 44082), (22, 44103), (25, 44187),

Gene: Ghobes_56 Start: 43902, Stop: 44111, Start Num: 9
Candidate Starts for Ghobes_56:
(Start: 9 @43902 has 2 MA's), (11, 43929), (15, 43959), (16, 43962), (17, 43968), (19, 43995), (22, 44016), (25, 44100),

Gene: Lilbeanie_86 Start: 53268, Stop: 53456, Start Num: 10
Candidate Starts for Lilbeanie_86:
(1, 52545), (2, 52713), (3, 52800), (4, 52941), (Start: 10 @53268 has 1 MA's), (14, 53298), (19, 53340),

Gene: Pupper_36 Start: 12440, Stop: 12610, Start Num: 13
Candidate Starts for Pupper_36:
(Start: 12 @12437 has 1 MA's), (Start: 13 @12440 has 2 MA's), (16, 12461), (19, 12494), (20, 12500), (21, 12506), (23, 12530),

Gene: SCentae_36 Start: 12439, Stop: 12609, Start Num: 13
Candidate Starts for SCentae_36:
(Start: 12 @12436 has 1 MA's), (Start: 13 @12439 has 2 MA's), (16, 12460), (19, 12493), (20, 12499), (21, 12505), (23, 12529),

Gene: Sapo_57 Start: 43912, Stop: 44106, Start Num: 8
Candidate Starts for Sapo_57:
(Start: 8 @43912 has 1 MA's), (11, 43942), (22, 44011), (24, 44068), (25, 44095),