Pham 346170


2
4
7
8
12
1: ScienceWizSam_69 + 1
4
12
2: Brunswick_69 + 3
2
4
7
8
12
3: AreFloNak_72 + 3
4
4: Teacup_69 + 1
2
3
4
7
8
12
5: DevitoJr_67
2
4
7
8
6: Trustiboi_67
2
3
4
7
8
12
7: Tatanka_62
4
7
12
8: MiniBagel_67 + 1
1
2
4
6
7
8
12
9: LilHuddy_72
4
6
7
12
10: Giantsbane_71
1
2
4
6
7
8
12
11: Shepard_73
5
6
7
8
9
10
11
12: Onestar_69

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 346170 Report

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

Pham number 346170 has 21 members, 3 are drafts.

Phages represented in each track:
• Track 1 : ScienceWizSam_69, Synepsis_65
• Track 2 : Brunswick_69, Acai_68, Niktson_68, ElephantMan_68
• Track 3 : AreFloNak_72, CastorTray_71, Nivinsha_71, Nightmare_69
• Track 4 : Teacup_69, LucySwiss_68
• Track 5 : DevitoJr_67
• Track 6 : Trustiboi_67
• Track 7 : Tatanka_62
• Track 8 : MiniBagel_67, Gordon_65
• Track 9 : LilHuddy_72
• Track 10 : Giantsbane_71
• Track 11 : Shepard_73
• Track 12 : Onestar_69

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

The start number called the most often in the published annotations is 4, it was called in 14 of the 18 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Acai_68, AreFloNak_72, Brunswick_69, CastorTray_71, DevitoJr_67, ElephantMan_68, Giantsbane_71, Gordon_65, LilHuddy_72, LucySwiss_68, MiniBagel_67, Nightmare_69, Niktson_68, Nivinsha_71, Teacup_69, Trustiboi_67,

Genes that have the "Most Annotated" start but do not call it:
• ScienceWizSam_69, Shepard_73, Synepsis_65, Tatanka_62,

Genes that do not have the "Most Annotated" start:
• Onestar_69,

Summary by start number:

Start 2:
• Found in 11 of 21 (52.4%) of genes in pham
• Manual Annotations of this start: 4 of 18

• Called 36.4% of time when present
• Phage (with cluster) where this start called: ScienceWizSam_69 (AU1), Shepard_73 (AU2), Synepsis_65 (AU1), Tatanka_62 (AU1),

Start 4:
• Found in 20 of 21 (95.2%) of genes in pham
• Manual Annotations of this start: 14 of 18
• Called 80.0% of time when present
• Phage (with cluster) where this start called: Acai_68 (AU1), AreFloNak_72 (AU1), Brunswick_69 (AU1), CastorTray_71 (AU1), DevitoJr_67 (AU1), ElephantMan_68 (AU1), Giantsbane_71 (AU2), Gordon_65 (AU1), LilHuddy_72 (AU2), LucySwiss_68 (AU1), MiniBagel_67 (AU1), Nightmare_69 (AU1), Niktson_68 (AU1), Nivinsha_71 (AU1), Teacup_69 (AU1), Trustiboi_67 (AU1),

Start 5:
• Found in 1 of 21 (4.8%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Onestar_69 (AW),

Summary by clusters:

There are 3 clusters represented in this pham: AU1, AU2, AW,

Info for manual annotations of cluster AU1:
•Start number 2 was manually annotated 3 times for cluster AU1.
•Start number 4 was manually annotated 12 times for cluster AU1.

Info for manual annotations of cluster AU2:
•Start number 2 was manually annotated 1 time for cluster AU2.
•Start number 4 was manually annotated 2 times for cluster AU2.

Gene Information:

Gene: Acai_68 Start: 46338, Stop: 46538, Start Num: 4
Candidate Starts for Acai_68:
(Start: 4 @46338 has 14 MA's), (12, 46488),

Gene: AreFloNak_72 Start: 46382, Stop: 46585, Start Num: 4
Candidate Starts for AreFloNak_72:
(Start: 2 @46343 has 4 MA's), (Start: 4 @46382 has 14 MA's), (7, 46451), (8, 46460), (12, 46535),

Gene: Brunswick_69 Start: 46217, Stop: 46417, Start Num: 4
Candidate Starts for Brunswick_69:
(Start: 4 @46217 has 14 MA's), (12, 46367),

Gene: CastorTray_71 Start: 46964, Stop: 47170, Start Num: 4
Candidate Starts for CastorTray_71:
(Start: 2 @46925 has 4 MA's), (Start: 4 @46964 has 14 MA's), (7, 47033), (8, 47042), (12, 47117),

Gene: DevitoJr_67 Start: 46345, Stop: 46548, Start Num: 4
Candidate Starts for DevitoJr_67:
(Start: 2 @46306 has 4 MA's), (3, 46312), (Start: 4 @46345 has 14 MA's), (7, 46414), (8, 46423), (12, 46498),

Gene: ElephantMan_68 Start: 46847, Stop: 47047, Start Num: 4
Candidate Starts for ElephantMan_68:
(Start: 4 @46847 has 14 MA's), (12, 46997),

Gene: Giantsbane_71 Start: 45514, Stop: 45702, Start Num: 4
Candidate Starts for Giantsbane_71:
(Start: 4 @45514 has 14 MA's), (6, 45526), (7, 45565), (12, 45649),

Gene: Gordon_65 Start: 46838, Stop: 47038, Start Num: 4
Candidate Starts for Gordon_65:
(Start: 4 @46838 has 14 MA's), (7, 46904), (12, 46988),

Gene: LilHuddy_72 Start: 46642, Stop: 46827, Start Num: 4
Candidate Starts for LilHuddy_72:
(1, 46465), (Start: 2 @46603 has 4 MA's), (Start: 4 @46642 has 14 MA's), (6, 46654), (7, 46690), (8, 46699), (12, 46774),

Gene: LucySwiss_68 Start: 45956, Stop: 46156, Start Num: 4
Candidate Starts for LucySwiss_68:
(Start: 4 @45956 has 14 MA's),

Gene: MiniBagel_67 Start: 46944, Stop: 47144, Start Num: 4
Candidate Starts for MiniBagel_67:
(Start: 4 @46944 has 14 MA's), (7, 47010), (12, 47094),

Gene: Nightmare_69 Start: 47250, Stop: 47453, Start Num: 4
Candidate Starts for Nightmare_69:
(Start: 2 @47211 has 4 MA's), (Start: 4 @47250 has 14 MA's), (7, 47319), (8, 47328), (12, 47403),

Gene: Niktson_68 Start: 46847, Stop: 47047, Start Num: 4
Candidate Starts for Niktson_68:
(Start: 4 @46847 has 14 MA's), (12, 46997),

Gene: Nivinsha_71 Start: 46382, Stop: 46585, Start Num: 4
Candidate Starts for Nivinsha_71:
(Start: 2 @46343 has 4 MA's), (Start: 4 @46382 has 14 MA's), (7, 46451), (8, 46460), (12, 46535),

Gene: Onestar_69 Start: 44736, Stop: 44930, Start Num: 5
Candidate Starts for Onestar_69:
(5, 44736), (6, 44757), (7, 44793), (8, 44802), (9, 44811), (10, 44835), (11, 44838),

Gene: ScienceWizSam_69 Start: 46505, Stop: 46750, Start Num: 2
Candidate Starts for ScienceWizSam_69:
(Start: 2 @46505 has 4 MA's), (Start: 4 @46544 has 14 MA's), (7, 46613), (8, 46622), (12, 46697),

Gene: Shepard_73 Start: 46456, Stop: 46680, Start Num: 2
Candidate Starts for Shepard_73:

(1, 46318), (Start: 2 @46456 has 4 MA's), (Start: 4 @46495 has 14 MA's), (6, 46507), (7, 46543), (8, 46552), (12, 46627),

Gene: Synepsis_65 Start: 46273, Stop: 46515, Start Num: 2
Candidate Starts for Synepsis_65:
(Start: 2 @46273 has 4 MA's), (Start: 4 @46312 has 14 MA's), (7, 46381), (8, 46390), (12, 46465),

Gene: Tatanka_62 Start: 46412, Stop: 46657, Start Num: 2
Candidate Starts for Tatanka_62:
(Start: 2 @46412 has 4 MA's), (3, 46418), (Start: 4 @46451 has 14 MA's), (7, 46520), (8, 46529), (12, 46604),

Gene: Teacup_69 Start: 46890, Stop: 47090, Start Num: 4
Candidate Starts for Teacup_69:
(Start: 4 @46890 has 14 MA's),

Gene: Trustiboi_67 Start: 46567, Stop: 46773, Start Num: 4
Candidate Starts for Trustiboi_67:
(Start: 2 @46528 has 4 MA's), (Start: 4 @46567 has 14 MA's), (7, 46636), (8, 46645),