Pham 348119


8
17
19
25
26
1: Annalisa_1 + 12
1
2
4
10
11
15
16
23
2: Squiddly_1
3
5
6
7
9
12
14
18
21
24
25
27
28
3: Maravista_104
13
20
22
4: EmiRose_46

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 348119 Report

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

Pham number 348119 has 16 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Annalisa_1, Samman98_1, MichaelScott_1, Easley_1, Clark_1, Invectra_1, Beenie_1, Rizz_2, Tuti_1, Thimann_1, Dolores_1, WinkNick_1, Sekhmet_1
• Track 2 : Squiddly_1
• Track 3 : Maravista_104
• Track 4 : EmiRose_46

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

The start number called the most often in the published annotations is 8, it was called in 12 of the 15 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Annalisa_1, Beenie_1, Clark_1, Dolores_1, Easley_1, Invectra_1, MichaelScott_1, Rizz_2, Samman98_1, Sekhmet_1, Thimann_1, Tuti_1, WinkNick_1,

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:
• EmiRose_46, Maravista_104, Squiddly_1,

Summary by start number:

Start 8:
• Found in 13 of 16 (81.2%) of genes in pham
• Manual Annotations of this start: 12 of 15
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Annalisa_1 (CZ4), Beenie_1 (CZ4), Clark_1 (CZ4), Dolores_1 (CZ4), Easley_1 (CZ4), Invectra_1 (CZ4), MichaelScott_1 (CZ4), Rizz_2 (CZ4), Samman98_1 (CZ4), Sekhmet_1 (CZ4), Thimann_1 (CZ4), Tuti_1 (CZ4), WinkNick_1 (CZ4),

Start 10:
• Found in 1 of 16 (6.2%) of genes in pham

• Manual Annotations of this start: 1 of 15
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Squiddly_1 (DN2),

Start 12:
• Found in 1 of 16 (6.2%) of genes in pham
• Manual Annotations of this start: 1 of 15
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Maravista_104 (F1),

Start 13:
• Found in 1 of 16 (6.2%) of genes in pham
• Manual Annotations of this start: 1 of 15
• Called 100.0% of time when present
• Phage (with cluster) where this start called: EmiRose_46 (singleton),

Summary by clusters:

There are 4 clusters represented in this pham: F1, singleton, CZ4, DN2,

Info for manual annotations of cluster CZ4:
•Start number 8 was manually annotated 12 times for cluster CZ4.

Info for manual annotations of cluster DN2:
•Start number 10 was manually annotated 1 time for cluster DN2.

Info for manual annotations of cluster F1:
•Start number 12 was manually annotated 1 time for cluster F1.

Gene Information:

Gene: Annalisa_1 Start: 47, Stop: 517, Start Num: 8
Candidate Starts for Annalisa_1:
(Start: 8 @47 has 12 MA's), (17, 272), (19, 302), (25, 407), (26, 470),

Gene: Beenie_1 Start: 47, Stop: 517, Start Num: 8
Candidate Starts for Beenie_1:
(Start: 8 @47 has 12 MA's), (17, 272), (19, 302), (25, 407), (26, 470),

Gene: Clark_1 Start: 47, Stop: 517, Start Num: 8
Candidate Starts for Clark_1:
(Start: 8 @47 has 12 MA's), (17, 272), (19, 302), (25, 407), (26, 470),

Gene: Dolores_1 Start: 47, Stop: 517, Start Num: 8
Candidate Starts for Dolores_1:
(Start: 8 @47 has 12 MA's), (17, 272), (19, 302), (25, 407), (26, 470),

Gene: Easley_1 Start: 47, Stop: 517, Start Num: 8
Candidate Starts for Easley_1:
(Start: 8 @47 has 12 MA's), (17, 272), (19, 302), (25, 407), (26, 470),

Gene: EmiRose_46 Start: 36892, Stop: 37236, Start Num: 13
Candidate Starts for EmiRose_46:
(Start: 13 @36892 has 1 MA's), (20, 37030), (22, 37060),

Gene: Invectra_1 Start: 47, Stop: 517, Start Num: 8
Candidate Starts for Invectra_1:
(Start: 8 @47 has 12 MA's), (17, 272), (19, 302), (25, 407), (26, 470),

Gene: Maravista_104 Start: 59702, Stop: 60061, Start Num: 12
Candidate Starts for Maravista_104:
(3, 59351), (5, 59519), (6, 59534), (7, 59558), (9, 59645), (Start: 12 @59702 has 1 MA's), (14, 59729), (18, 59831), (21, 59888), (24, 59909), (25, 59951), (27, 60029), (28, 60050),

Gene: MichaelScott_1 Start: 47, Stop: 517, Start Num: 8
Candidate Starts for MichaelScott_1:
(Start: 8 @47 has 12 MA's), (17, 272), (19, 302), (25, 407), (26, 470),

Gene: Rizz_2 Start: 47, Stop: 517, Start Num: 8
Candidate Starts for Rizz_2:
(Start: 8 @47 has 12 MA's), (17, 272), (19, 302), (25, 407), (26, 470),

Gene: Samman98_1 Start: 47, Stop: 517, Start Num: 8
Candidate Starts for Samman98_1:
(Start: 8 @47 has 12 MA's), (17, 272), (19, 302), (25, 407), (26, 470),

Gene: Sekhmet_1 Start: 47, Stop: 517, Start Num: 8
Candidate Starts for Sekhmet_1:
(Start: 8 @47 has 12 MA's), (17, 272), (19, 302), (25, 407), (26, 470),

Gene: Squiddly_1 Start: 362, Stop: 730, Start Num: 10
Candidate Starts for Squiddly_1:
(1, 11), (2, 41), (4, 110), (Start: 10 @362 has 1 MA's), (11, 392), (15, 440), (16, 476), (23, 596),

Gene: Thimann_1 Start: 47, Stop: 517, Start Num: 8
Candidate Starts for Thimann_1:
(Start: 8 @47 has 12 MA's), (17, 272), (19, 302), (25, 407), (26, 470),

Gene: Tuti_1 Start: 47, Stop: 517, Start Num: 8
Candidate Starts for Tuti_1:
(Start: 8 @47 has 12 MA's), (17, 272), (19, 302), (25, 407), (26, 470),

Gene: WinkNick_1 Start: 47, Stop: 517, Start Num: 8
Candidate Starts for WinkNick_1:
(Start: 8 @47 has 12 MA's), (17, 272), (19, 302), (25, 407), (26, 470),