Pham 346470


8
10
16
18
22
24
27
1: PatrickStar_12 + 2
2
3
5
9
12
15
2: Gmala1_4 + 2
1
6
11
13
17
19
23
25
26
3: Trogglehumper_31
4
7
14
20
21
24
28
4: Mbo2_9

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 346470 Report

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

Pham number 346470 has 8 members, 4 are drafts.

Phages represented in each track:
• Track 1 : PatrickStar_12, Orchid_12, Kampe_12
• Track 2 : Gmala1_4, GordTnk2_4, GordDuk1_4
• Track 3 : Trogglehumper_31
• Track 4 : Mbo2_9

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

The start number called the most often in the published annotations is 10, it was called in 3 of the 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Kampe_12, Orchid_12, PatrickStar_12,

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

Genes that do not have the "Most Annotated" start:
• Gmala1_4, GordDuk1_4, GordTnk2_4, Mbo2_9, Trogglehumper_31,

Summary by start number:

Start 6:
• Found in 1 of 8 (12.5%) of genes in pham
• Manual Annotations of this start: 1 of 4
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Trogglehumper_31 (singleton),

Start 7:
• Found in 1 of 8 (12.5%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Mbo2_9 (singleton),

Start 10:

• Found in 3 of 8 (37.5%) of genes in pham
• Manual Annotations of this start: 3 of 4
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Kampe_12 (CX), Orchid_12 (CX), PatrickStar_12 (CX),

Start 12:
• Found in 3 of 8 (37.5%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Gmala1_4 (DF1), GordDuk1_4 (DF1), GordTnk2_4 (DF1),

Summary by clusters:

There are 3 clusters represented in this pham: singleton, CX, DF1,

Info for manual annotations of cluster CX:
•Start number 10 was manually annotated 3 times for cluster CX.

Gene Information:

Gene: Gmala1_4 Start: 7203, Stop: 7421, Start Num: 12
Candidate Starts for Gmala1_4:
(2, 7104), (3, 7110), (5, 7119), (9, 7149), (12, 7203), (15, 7227),

Gene: GordDuk1_4 Start: 7143, Stop: 7361, Start Num: 12
Candidate Starts for GordDuk1_4:
(2, 7044), (3, 7050), (5, 7059), (9, 7089), (12, 7143), (15, 7167),

Gene: GordTnk2_4 Start: 7110, Stop: 7328, Start Num: 12
Candidate Starts for GordTnk2_4:
(2, 7011), (3, 7017), (5, 7026), (9, 7056), (12, 7110), (15, 7134),

Gene: Kampe_12 Start: 10560, Stop: 10772, Start Num: 10
Candidate Starts for Kampe_12:
(8, 10506), (Start: 10 @10560 has 3 MA's), (16, 10611), (18, 10647), (22, 10668), (24, 10710), (27, 10743),

Gene: Mbo2_9 Start: 6654, Stop: 6929, Start Num: 7
Candidate Starts for Mbo2_9:
(4, 6639), (7, 6654), (14, 6753), (20, 6807), (21, 6810), (24, 6855), (28, 6909),

Gene: Orchid_12 Start: 10560, Stop: 10772, Start Num: 10
Candidate Starts for Orchid_12:
(8, 10506), (Start: 10 @10560 has 3 MA's), (16, 10611), (18, 10647), (22, 10668), (24, 10710), (27, 10743),

Gene: PatrickStar_12 Start: 10560, Stop: 10772, Start Num: 10
Candidate Starts for PatrickStar_12:

(8, 10506), (Start: 10 @10560 has 3 MA's), (16, 10611), (18, 10647), (22, 10668), (24, 10710), (27, 10743),

Gene: Trogglehumper_31 Start: 19780, Stop: 20073, Start Num: 6
Candidate Starts for Trogglehumper_31:
(1, 19651), (Start: 6 @19780 has 1 MA's), (11, 19849), (13, 19873), (17, 19918), (19, 19924), (23, 19966), (25, 19996), (26, 20017),