Pham 346493


5
14
1: Ranunculus_52
16
2: Ollypop_54
16
27
3: Nikan_56 + 1
8
9
11
13
19
20
21
23
24
25
26
4: Zapato_23
1
2
3
4
6
7
10
12
15
17
18
22
5: KashFlow_126 + 2

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 346493 Report

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

Pham number 346493 has 8 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Ranunculus_52
• Track 2 : Ollypop_54
• Track 3 : Nikan_56, Ren19_54
• Track 4 : Zapato_23
• Track 5 : KashFlow_126, Hannaconda_121, BronnyJames_126

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

The start number called the most often in the published annotations is 16, it was called in 3 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Nikan_56, Ollypop_54, Ren19_54,

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

Genes that do not have the "Most Annotated" start:
• BronnyJames_126, Hannaconda_121, KashFlow_126, Ranunculus_52, Zapato_23,

Summary by start number:

Start 10:
• Found in 3 of 8 (37.5%) of genes in pham
• Manual Annotations of this start: 2 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BronnyJames_126 (J), Hannaconda_121 (J), KashFlow_126 (J),

Start 14:
• Found in 1 of 8 (12.5%) of genes in pham
• Manual Annotations of this start: 1 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Ranunculus_52 (AP),

Start 16:
• Found in 3 of 8 (37.5%) of genes in pham
• Manual Annotations of this start: 3 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Nikan_56 (AP2), Ollypop_54 (AP2), Ren19_54 (AP2),

Start 21:
• 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: Zapato_23 (EC),

Summary by clusters:

There are 4 clusters represented in this pham: AP2, AP, J, EC,

Info for manual annotations of cluster AP:
•Start number 14 was manually annotated 1 time for cluster AP.

Info for manual annotations of cluster AP2:
•Start number 16 was manually annotated 3 times for cluster AP2.

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

Gene Information:

Gene: BronnyJames_126 Start: 69050, Stop: 69319, Start Num: 10
Candidate Starts for BronnyJames_126:
(1, 68789), (2, 68882), (3, 68891), (4, 68903), (6, 68942), (7, 68975), (Start: 10 @69050 has 2 MA's), (12, 69077), (15, 69089), (17, 69107), (18, 69113), (22, 69191),

Gene: Hannaconda_121 Start: 67742, Stop: 68011, Start Num: 10
Candidate Starts for Hannaconda_121:
(1, 67481), (2, 67574), (3, 67583), (4, 67595), (6, 67634), (7, 67667), (Start: 10 @67742 has 2 MA's), (12, 67769), (15, 67781), (17, 67799), (18, 67805), (22, 67883),

Gene: KashFlow_126 Start: 69524, Stop: 69793, Start Num: 10
Candidate Starts for KashFlow_126:
(1, 69263), (2, 69356), (3, 69365), (4, 69377), (6, 69416), (7, 69449), (Start: 10 @69524 has 2 MA's), (12, 69551), (15, 69563), (17, 69581), (18, 69587), (22, 69665),

Gene: Nikan_56 Start: 40128, Stop: 39904, Start Num: 16
Candidate Starts for Nikan_56:
(Start: 16 @40128 has 3 MA's), (27, 39912),

Gene: Ollypop_54 Start: 40351, Stop: 40127, Start Num: 16
Candidate Starts for Ollypop_54:

(Start: 16 @40351 has 3 MA's),

Gene: Ranunculus_52 Start: 42905, Stop: 42675, Start Num: 14
Candidate Starts for Ranunculus_52:
(5, 43067), (Start: 14 @42905 has 1 MA's),

Gene: Ren19_54 Start: 39654, Stop: 39430, Start Num: 16
Candidate Starts for Ren19_54:
(Start: 16 @39654 has 3 MA's), (27, 39438),

Gene: Zapato_23 Start: 11315, Stop: 11506, Start Num: 21
Candidate Starts for Zapato_23:
(8, 11129), (9, 11171), (11, 11204), (13, 11216), (19, 11255), (20, 11297), (21, 11315), (23, 11342), (24, 11360), (25, 11378), (26, 11399),