Pham 340193


5
7
10
12
1: Anjali_9
5
7
12
2: Mendel_10 + 1
3
5
7
8
9
10
12
3: Dunamis_10 + 1
3
5
7
8
10
12
4: Casab_11
3
5
7
12
5: Swim_12
2
4
5
7
8
9
10
12
6: Seldom_10
5
7
10
11
12
7: Bouclier_10
5
12
8: Smelly_5
1
4
5
12
9: Pochacco_6
5
6
12
10: Spiderbri_5

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 340193 Report

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

Pham number 340193 has 12 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Anjali_9
• Track 2 : Mendel_10, Goodgraces_9
• Track 3 : Dunamis_10, Tillums_12
• Track 4 : Casab_11
• Track 5 : Swim_12
• Track 6 : Seldom_10
• Track 7 : Bouclier_10
• Track 8 : Smelly_5
• Track 9 : Pochacco_6
• Track 10 : Spiderbri_5

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

The start number called the most often in the published annotations is 5, it was called in 11 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Anjali_9, Bouclier_10, Casab_11, Dunamis_10, Goodgraces_9, Mendel_10, Seldom_10, Smelly_5, Spiderbri_5, Swim_12, Tillums_12,

Genes that have the "Most Annotated" start but do not call it:
• Pochacco_6,

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

Summary by start number:

Start 4:
• Found in 2 of 12 (16.7%) of genes in pham
• Manual Annotations of this start: 1 of 12
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Pochacco_6 (GK),

Start 5:
• Found in 12 of 12 (100.0%) of genes in pham
• Manual Annotations of this start: 11 of 12
• Called 91.7% of time when present
• Phage (with cluster) where this start called: Anjali_9 (FD), Bouclier_10 (FD), Casab_11 (FD), Dunamis_10 (FD), Goodgraces_9 (FD), Mendel_10 (FD), Seldom_10 (FD), Smelly_5 (GK), Spiderbri_5 (GK), Swim_12 (FD), Tillums_12 (FD),

Summary by clusters:

There are 2 clusters represented in this pham: GK, FD,

Info for manual annotations of cluster FD:
•Start number 5 was manually annotated 9 times for cluster FD.

Info for manual annotations of cluster GK:
•Start number 4 was manually annotated 1 time for cluster GK.
•Start number 5 was manually annotated 2 times for cluster GK.

Gene Information:

Gene: Anjali_9 Start: 5295, Stop: 5609, Start Num: 5
Candidate Starts for Anjali_9:
(Start: 5 @5295 has 11 MA's), (7, 5316), (10, 5397), (12, 5514),

Gene: Bouclier_10 Start: 5624, Stop: 5938, Start Num: 5
Candidate Starts for Bouclier_10:
(Start: 5 @5624 has 11 MA's), (7, 5645), (10, 5726), (11, 5732), (12, 5843),

Gene: Casab_11 Start: 5925, Stop: 6239, Start Num: 5
Candidate Starts for Casab_11:
(3, 5871), (Start: 5 @5925 has 11 MA's), (7, 5946), (8, 5979), (10, 6027), (12, 6144),

Gene: Dunamis_10 Start: 5366, Stop: 5680, Start Num: 5
Candidate Starts for Dunamis_10:
(3, 5312), (Start: 5 @5366 has 11 MA's), (7, 5387), (8, 5420), (9, 5444), (10, 5468), (12, 5585),

Gene: Goodgraces_9 Start: 5379, Stop: 5693, Start Num: 5
Candidate Starts for Goodgraces_9:
(Start: 5 @5379 has 11 MA's), (7, 5400), (12, 5598),

Gene: Mendel_10 Start: 5106, Stop: 5420, Start Num: 5
Candidate Starts for Mendel_10:
(Start: 5 @5106 has 11 MA's), (7, 5127), (12, 5325),

Gene: Pochacco_6 Start: 4191, Stop: 4559, Start Num: 4
Candidate Starts for Pochacco_6:
(1, 4107), (Start: 4 @4191 has 1 MA's), (Start: 5 @4233 has 11 MA's), (12, 4440),

Gene: Seldom_10 Start: 5611, Stop: 5925, Start Num: 5
Candidate Starts for Seldom_10:

(2, 5524), (Start: 4 @5569 has 1 MA's), (Start: 5 @5611 has 11 MA's), (7, 5632), (8, 5665), (9, 5689), (10, 5713), (12, 5830),

Gene: Smelly_5 Start: 4068, Stop: 4403, Start Num: 5
Candidate Starts for Smelly_5:
(Start: 5 @4068 has 11 MA's), (12, 4275),

Gene: Spiderbri_5 Start: 4013, Stop: 4342, Start Num: 5
Candidate Starts for Spiderbri_5:
(Start: 5 @4013 has 11 MA's), (6, 4022), (12, 4220),

Gene: Swim_12 Start: 5645, Stop: 5959, Start Num: 5
Candidate Starts for Swim_12:
(3, 5591), (Start: 5 @5645 has 11 MA's), (7, 5666), (12, 5864),

Gene: Tillums_12 Start: 5810, Stop: 6124, Start Num: 5
Candidate Starts for Tillums_12:
(3, 5756), (Start: 5 @5810 has 11 MA's), (7, 5831), (8, 5864), (9, 5888), (10, 5912), (12, 6029),