Pham 348266


15
20
22
23
1: Vash_30
8
10
12
15
17
19
20
23
24
2: Euratis_31
13
15
20
22
23
3: Lilbooboo_30
13
14
15
20
22
23
4: Samora_32
2
4
7
20
21
23
25
26
5: Heather_33
3
6
7
9
11
20
21
23
26
6: RemusLoopin_32
3
6
7
9
11
20
23
26
7: Sebastisaurus_32
1
18
8: Nicky22_1
1
5
16
9: QMadho_1 + 1

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 348266 Report

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

Pham number 348266 has 10 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Vash_30
• Track 2 : Euratis_31
• Track 3 : Lilbooboo_30
• Track 4 : Samora_32
• Track 5 : Heather_33
• Track 6 : RemusLoopin_32
• Track 7 : Sebastisaurus_32
• Track 8 : Nicky22_1
• Track 9 : QMacho_1, Arroyo_1

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

The start number called the most often in the published annotations is 15, it was called in 4 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Euratis_31, Lilbooboo_30, Samora_32, Vash_30,

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

Genes that do not have the "Most Annotated" start:
• Arroyo_1, Heather_33, Nicky22_1, QMacho_1, RemusLoopin_32, Sebastisaurus_32,

Summary by start number:

Start 1:
• Found in 3 of 10 (30.0%) of genes in pham
• Manual Annotations of this start: 1 of 10
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Nicky22_1 (EB),

Start 5:

• Found in 2 of 10 (20.0%) of genes in pham
• Manual Annotations of this start: 2 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Arroyo_1 (EB), QMacho_1 (EB),

Start 6:
• Found in 2 of 10 (20.0%) of genes in pham
• Manual Annotations of this start: 1 of 10
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Sebastisaurus_32 (BB2),

Start 7:
• Found in 3 of 10 (30.0%) of genes in pham
• Manual Annotations of this start: 1 of 10
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Heather_33 (BB2),

Start 9:
• Found in 2 of 10 (20.0%) of genes in pham
• Manual Annotations of this start: 1 of 10
• Called 50.0% of time when present
• Phage (with cluster) where this start called: RemusLoopin_32 (BB2),

Start 15:
• Found in 4 of 10 (40.0%) of genes in pham
• Manual Annotations of this start: 4 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Euratis_31 (BB1), Lilbooboo_30 (BB1), Samora_32 (BB1), Vash_30 (BB1),

Summary by clusters:

There are 3 clusters represented in this pham: BB2, BB1, EB,

Info for manual annotations of cluster BB1:
•Start number 15 was manually annotated 4 times for cluster BB1.

Info for manual annotations of cluster BB2:
•Start number 6 was manually annotated 1 time for cluster BB2.
•Start number 7 was manually annotated 1 time for cluster BB2.
•Start number 9 was manually annotated 1 time for cluster BB2.

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

Gene Information:

Gene: Arroyo_1 Start: 128, Stop: 592, Start Num: 5
Candidate Starts for Arroyo_1:
(Start: 1 @68 has 1 MA's), (Start: 5 @128 has 2 MA's), (16, 236),

Gene: Euratis_31 Start: 22823, Stop: 23176, Start Num: 15
Candidate Starts for Euratis_31:
(8, 22784), (10, 22790), (12, 22796), (Start: 15 @22823 has 4 MA's), (17, 22910), (19, 22961), (20, 22994), (23, 23096), (24, 23099),

Gene: Heather_33 Start: 23706, Stop: 24128, Start Num: 7
Candidate Starts for Heather_33:
(2, 23640), (4, 23691), (Start: 7 @23706 has 1 MA's), (20, 23940), (21, 23991), (23, 24042), (25, 24069), (26, 24123),

Gene: Lilbooboo_30 Start: 22871, Stop: 23233, Start Num: 15
Candidate Starts for Lilbooboo_30:
(13, 22853), (Start: 15 @22871 has 4 MA's), (20, 23042), (22, 23102), (23, 23144),

Gene: Nicky22_1 Start: 68, Stop: 616, Start Num: 1
Candidate Starts for Nicky22_1:
(Start: 1 @68 has 1 MA's), (18, 338),

Gene: QMacho_1 Start: 128, Stop: 592, Start Num: 5
Candidate Starts for QMacho_1:
(Start: 1 @68 has 1 MA's), (Start: 5 @128 has 2 MA's), (16, 236),

Gene: RemusLoopin_32 Start: 23906, Stop: 24322, Start Num: 9
Candidate Starts for RemusLoopin_32:
(3, 23837), (Start: 6 @23894 has 1 MA's), (Start: 7 @23897 has 1 MA's), (Start: 9 @23906 has 1 MA's), (11, 23912), (20, 24134), (21, 24185), (23, 24236), (26, 24317),

Gene: Samora_32 Start: 23469, Stop: 23831, Start Num: 15
Candidate Starts for Samora_32:
(13, 23457), (14, 23460), (Start: 15 @23469 has 4 MA's), (20, 23640), (22, 23700), (23, 23742),

Gene: Sebastisaurus_32 Start: 23688, Stop: 24116, Start Num: 6
Candidate Starts for Sebastisaurus_32:
(3, 23631), (Start: 6 @23688 has 1 MA's), (Start: 7 @23691 has 1 MA's), (Start: 9 @23700 has 1 MA's), (11, 23706), (20, 23928), (23, 24030), (26, 24111),

Gene: Vash_30 Start: 22721, Stop: 23083, Start Num: 15
Candidate Starts for Vash_30:
(Start: 15 @22721 has 4 MA's), (20, 22892), (22, 22952), (23, 22994),