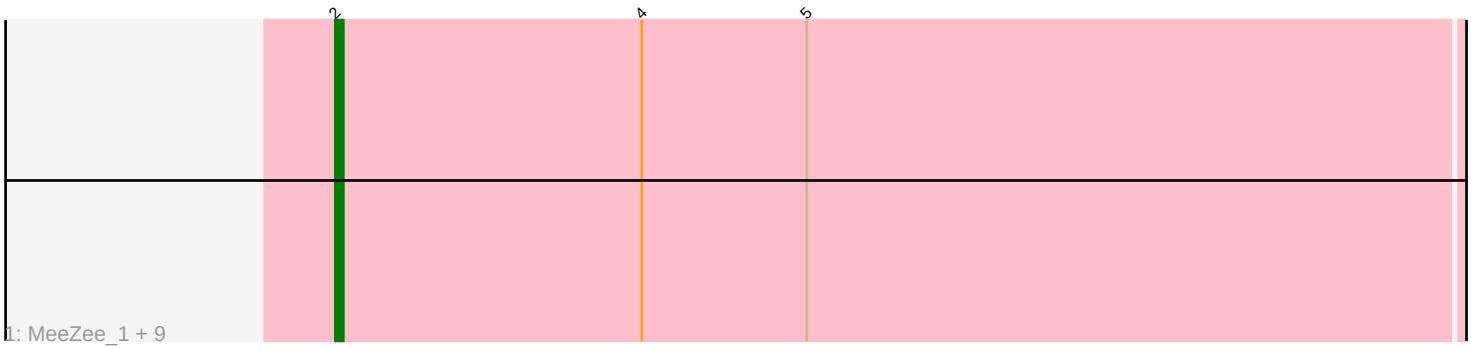
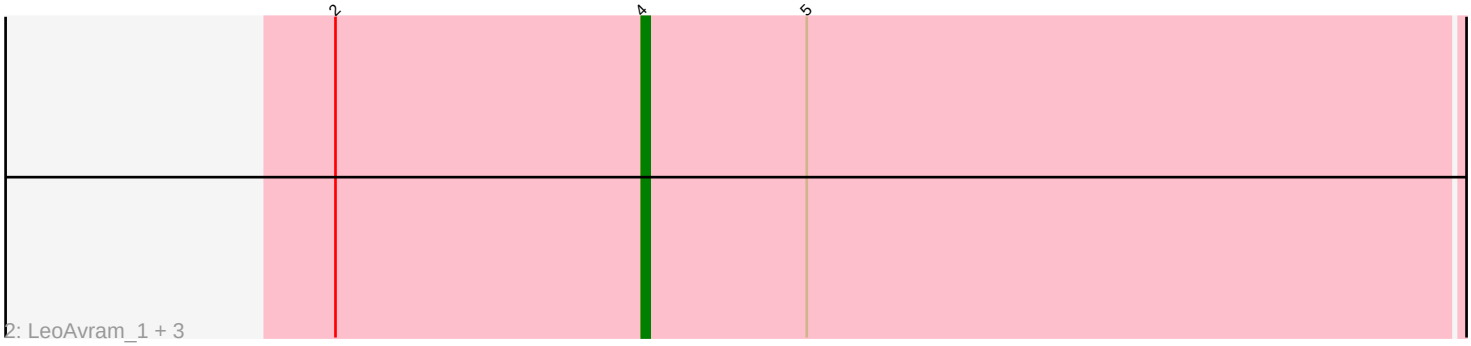
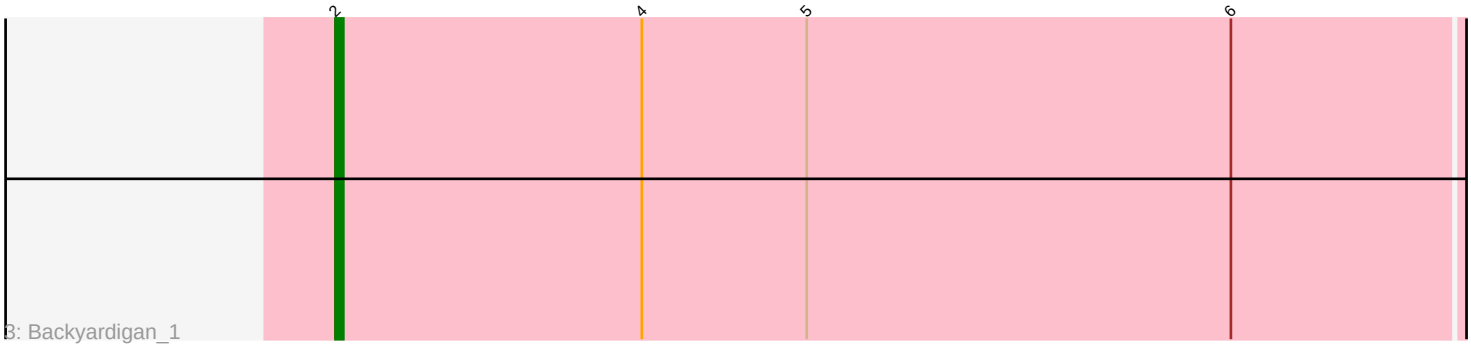
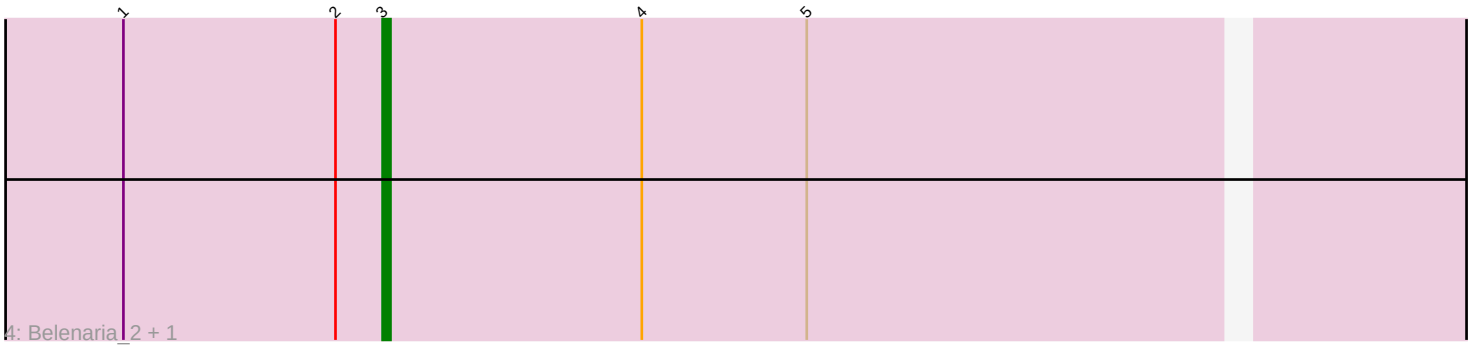
Pham 348116


2
4
5
1: MeeZee_1 + 9


2
4
5
2: LeoAvram_1 + 3


2
4
5
6
3: Backyardigan_1


1
2
3
4
5
4: Belenaria_2 + 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 348116 Report

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

Pham number 348116 has 17 members, 7 are drafts.

Phages represented in each track:
• Track 1 : MeeZee_1, Caelakin_1, Maverick_1, Shaka_1, Goose1X_1, TiroTheta9_1, Shep_1, Zarafa_1, Peaches_1, Goose1D_1
• Track 2 : LeoAvram_1, Skadoosh_1, Rocksand_1, Northrop_1
• Track 3 : Backyardigan_1
• Track 4 : Belenaria_2, Jester_2

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

The start number called the most often in the published annotations is 2, it was called in 7 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Backyardigan_1, Caelakin_1, Goose1D_1, Goose1X_1, Maverick_1, MeeZee_1, Peaches_1, Shaka_1, Shep_1, TiroTheta9_1, Zarafa_1,

Genes that have the "Most Annotated" start but do not call it:
• Belenaria_2, Jester_2, LeoAvram_1, Northrop_1, Rocksand_1, Skadoosh_1,

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

Summary by start number:

Start 2:
• Found in 17 of 17 (100.0%) of genes in pham
• Manual Annotations of this start: 7 of 10
• Called 64.7% of time when present
• Phage (with cluster) where this start called: Backyardigan_1 (A4), Caelakin_1 (A4), Goose1D_1 (A3), Goose1X_1 (A3), Maverick_1 (A4), MeeZee_1 (A4), Peaches_1 (A4), Shaka_1 (A4), Shep_1 (A3), TiroTheta9_1 (A4), Zarafa_1 (A3),

Start 3:
• Found in 2 of 17 (11.8%) 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: Belenaria_2 (CA), Jester_2 (CA),

Start 4:
• Found in 17 of 17 (100.0%) of genes in pham
• Manual Annotations of this start: 1 of 10
• Called 23.5% of time when present
• Phage (with cluster) where this start called: LeoAvram_1 (A4), Northrop_1 (A4), Rocksand_1 (A4), Skadoosh_1 (A4),

Summary by clusters:

There are 3 clusters represented in this pham: CA, A4, A3,

Info for manual annotations of cluster A4:
•Start number 2 was manually annotated 7 times for cluster A4.
•Start number 4 was manually annotated 1 time for cluster A4.

Info for manual annotations of cluster CA:
•Start number 3 was manually annotated 2 times for cluster CA.

Gene Information:

Gene: Backyardigan_1 Start: 676, Stop: 461, Start Num: 2
Candidate Starts for Backyardigan_1:
(Start: 2 @676 has 7 MA's), (Start: 4 @637 has 1 MA's), (5, 616), (6, 562),

Gene: Belenaria_2 Start: 879, Stop: 718, Start Num: 3
Candidate Starts for Belenaria_2:
(1, 912), (Start: 2 @885 has 7 MA's), (Start: 3 @879 has 2 MA's), (Start: 4 @846 has 1 MA's), (5, 825),

Gene: Caelakin_1 Start: 672, Stop: 457, Start Num: 2
Candidate Starts for Caelakin_1:
(Start: 2 @672 has 7 MA's), (Start: 4 @633 has 1 MA's), (5, 612),

Gene: Goose1D_1 Start: 619, Stop: 431, Start Num: 2
Candidate Starts for Goose1D_1:
(Start: 2 @619 has 7 MA's), (Start: 4 @580 has 1 MA's), (5, 559),

Gene: Goose1X_1 Start: 619, Stop: 431, Start Num: 2
Candidate Starts for Goose1X_1:
(Start: 2 @619 has 7 MA's), (Start: 4 @580 has 1 MA's), (5, 559),

Gene: Jester_2 Start: 879, Stop: 718, Start Num: 3
Candidate Starts for Jester_2:
(1, 912), (Start: 2 @885 has 7 MA's), (Start: 3 @879 has 2 MA's), (Start: 4 @846 has 1 MA's), (5, 825),

Gene: LeoAvram_1 Start: 633, Stop: 457, Start Num: 4
Candidate Starts for LeoAvram_1:
(Start: 2 @672 has 7 MA's), (Start: 4 @633 has 1 MA's), (5, 612),

Gene: Maverick_1 Start: 672, Stop: 457, Start Num: 2
Candidate Starts for Maverick_1:
(Start: 2 @672 has 7 MA's), (Start: 4 @633 has 1 MA's), (5, 612),

Gene: MeeZee_1 Start: 672, Stop: 457, Start Num: 2
Candidate Starts for MeeZee_1:
(Start: 2 @672 has 7 MA's), (Start: 4 @633 has 1 MA's), (5, 612),

Gene: Northrop_1 Start: 633, Stop: 457, Start Num: 4
Candidate Starts for Northrop_1:
(Start: 2 @672 has 7 MA's), (Start: 4 @633 has 1 MA's), (5, 612),

Gene: Peaches_1 Start: 672, Stop: 457, Start Num: 2
Candidate Starts for Peaches_1:
(Start: 2 @672 has 7 MA's), (Start: 4 @633 has 1 MA's), (5, 612),

Gene: Rocksand_1 Start: 633, Stop: 457, Start Num: 4
Candidate Starts for Rocksand_1:
(Start: 2 @672 has 7 MA's), (Start: 4 @633 has 1 MA's), (5, 612),

Gene: Shaka_1 Start: 672, Stop: 457, Start Num: 2
Candidate Starts for Shaka_1:
(Start: 2 @672 has 7 MA's), (Start: 4 @633 has 1 MA's), (5, 612),

Gene: Shep_1 Start: 619, Stop: 431, Start Num: 2
Candidate Starts for Shep_1:
(Start: 2 @619 has 7 MA's), (Start: 4 @580 has 1 MA's), (5, 559),

Gene: Skadoosh_1 Start: 633, Stop: 457, Start Num: 4
Candidate Starts for Skadoosh_1:
(Start: 2 @672 has 7 MA's), (Start: 4 @633 has 1 MA's), (5, 612),

Gene: TiroTheta9_1 Start: 672, Stop: 457, Start Num: 2
Candidate Starts for TiroTheta9_1:
(Start: 2 @672 has 7 MA's), (Start: 4 @633 has 1 MA's), (5, 612),

Gene: Zarafa_1 Start: 619, Stop: 431, Start Num: 2
Candidate Starts for Zarafa_1:
(Start: 2 @619 has 7 MA's), (Start: 4 @580 has 1 MA's), (5, 559),