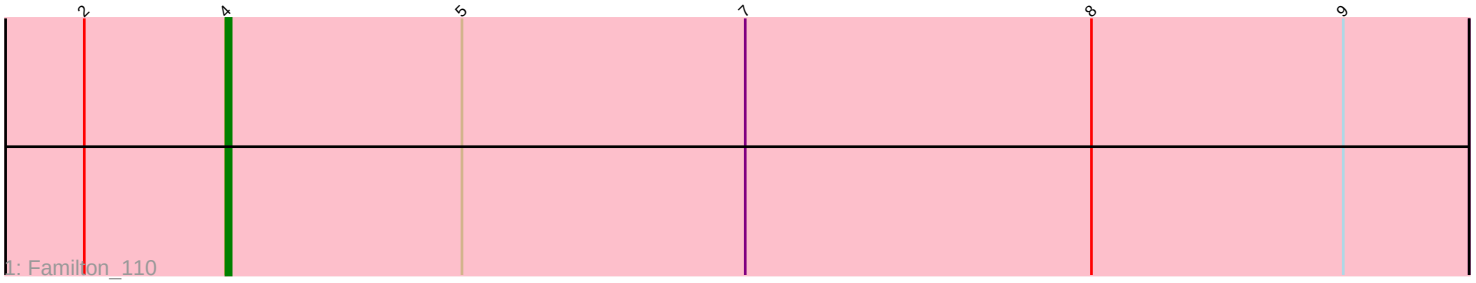
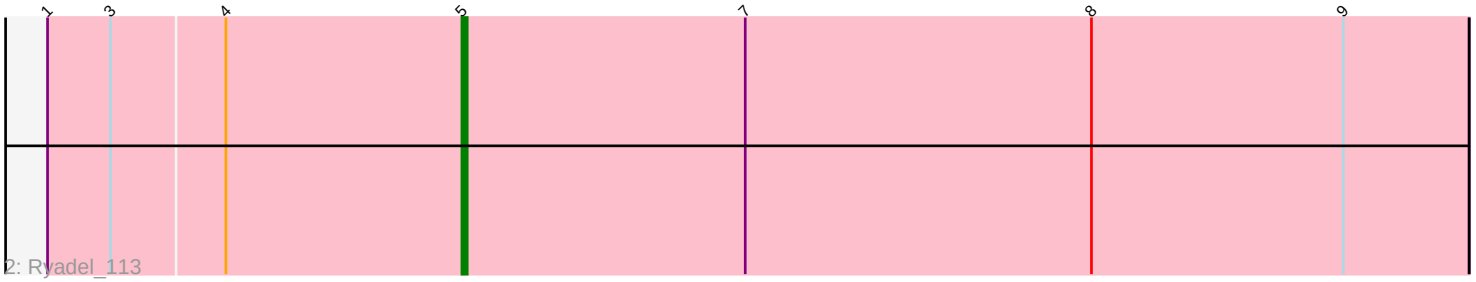
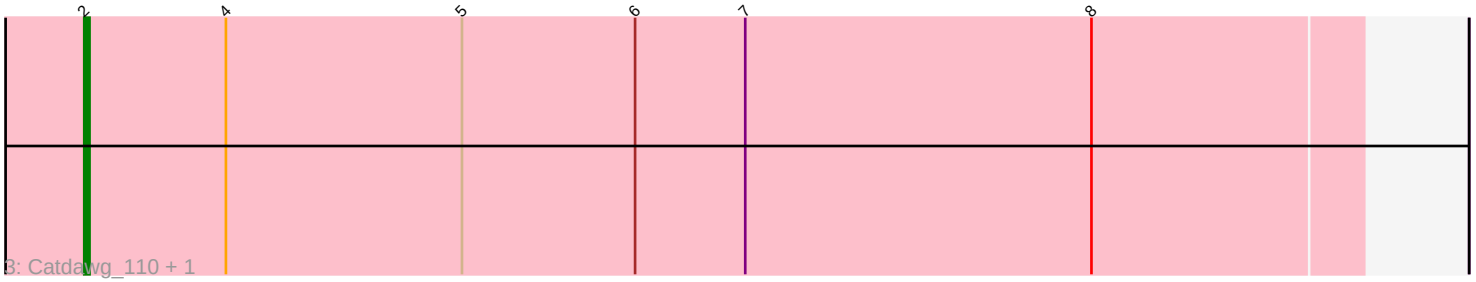
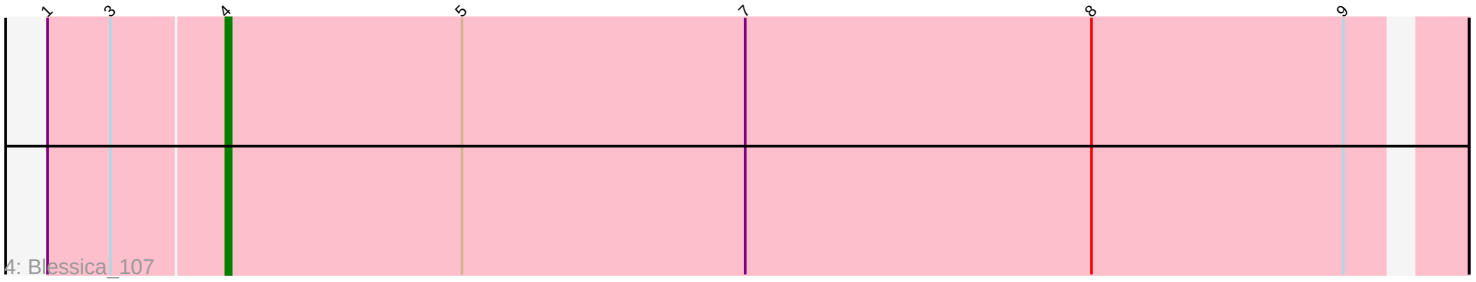
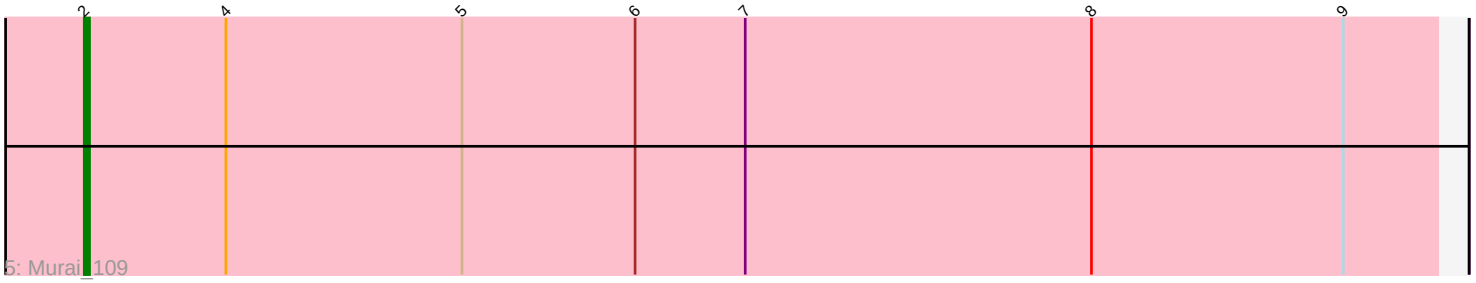
Pham 88386


2
4
5
7
8
9
1: Familton_110


1
3
4
5
7
8
9
2: Ryadel_113


2
4
5
6
7
8
3: Catdawg_110 + 1


1
3
4
5
7
8
9
4: Blessica_107


2
4
5
6
7
8
9
5: Murai_109

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 88386 Report

This analysis was run 04/05/24 on database version 557.

Pham number 88386 has 6 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Familton_110
• Track 2 : Ryadel_113
• Track 3 : Catdawg_110, Krili_111
• Track 4 : Blessica_107
• Track 5 : Murai_109

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 3 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Catdawg_110, Krili_111, Murai_109,

Genes that have the "Most Annotated" start but do not call it:
• Familton_110,

Genes that do not have the "Most Annotated" start:
• Blessica_107, Ryadel_113,

Summary by start number:

Start 2:
• Found in 4 of 6 (66.7%) of genes in pham
• Manual Annotations of this start: 3 of 6
• Called 75.0% of time when present
• Phage (with cluster) where this start called: Catdawg_110 (O), Krili_111 (O), Murai_109 (O),

Start 4:
• Found in 6 of 6 (100.0%) of genes in pham
• Manual Annotations of this start: 2 of 6
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Blessica_107 (O), Familton_110 (O),

Start 5:
• Found in 6 of 6 (100.0%) of genes in pham
• Manual Annotations of this start: 1 of 6
• Called 16.7% of time when present
• Phage (with cluster) where this start called: Ryadel_113 (O),

Summary by clusters:

There is one cluster represented in this pham: O

Info for manual annotations of cluster O:
•Start number 2 was manually annotated 3 times for cluster O.
•Start number 4 was manually annotated 2 times for cluster O.
•Start number 5 was manually annotated 1 time for cluster O.

Gene Information:

Gene: Blessica_107 Start: 64900, Stop: 64670, Start Num: 4
Candidate Starts for Blessica_107:
(1, 64933), (3, 64921), (Start: 4 @64900 has 2 MA's), (Start: 5 @64855 has 1 MA's), (7, 64801), (8, 64735), (9, 64687),

Gene: Catdawg_110 Start: 66018, Stop: 65776, Start Num: 2
Candidate Starts for Catdawg_110:
(Start: 2 @66018 has 3 MA's), (Start: 4 @65991 has 2 MA's), (Start: 5 @65946 has 1 MA's), (6, 65913), (7, 65892), (8, 65826),

Gene: Familton_110 Start: 65433, Stop: 65197, Start Num: 4
Candidate Starts for Familton_110:
(Start: 2 @65460 has 3 MA's), (Start: 4 @65433 has 2 MA's), (Start: 5 @65388 has 1 MA's), (7, 65334), (8, 65268), (9, 65220),

Gene: Krili_111 Start: 65576, Stop: 65334, Start Num: 2
Candidate Starts for Krili_111:
(Start: 2 @65576 has 3 MA's), (Start: 4 @65549 has 2 MA's), (Start: 5 @65504 has 1 MA's), (6, 65471), (7, 65450), (8, 65384),

Gene: Murai_109 Start: 65419, Stop: 65162, Start Num: 2
Candidate Starts for Murai_109:
(Start: 2 @65419 has 3 MA's), (Start: 4 @65392 has 2 MA's), (Start: 5 @65347 has 1 MA's), (6, 65314), (7, 65293), (8, 65227), (9, 65179),

Gene: Ryadel_113 Start: 66347, Stop: 66156, Start Num: 5
Candidate Starts for Ryadel_113:
(1, 66425), (3, 66413), (Start: 4 @66392 has 2 MA's), (Start: 5 @66347 has 1 MA's), (7, 66293), (8, 66227), (9, 66179),