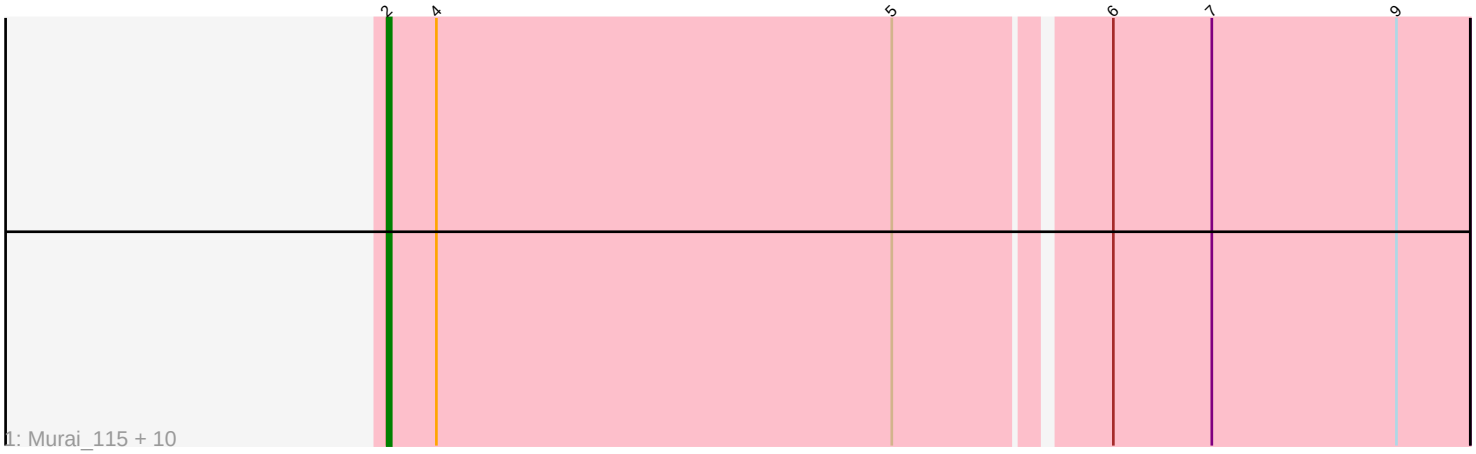
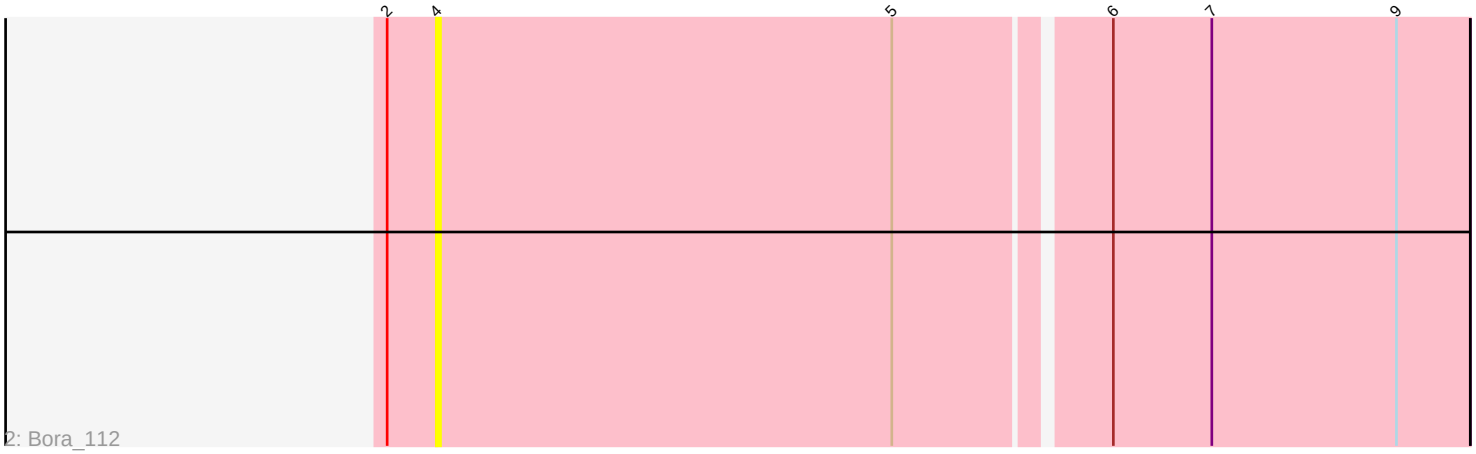
Pham 87078





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 87078 Report

This analysis was run 04/28/24 on database version 559.

Pham number 87078 has 16 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Murai_115, YungJamal_112, Corndog_111, Catdawg_116, Mori_115, Ryadel_120, NiebruSaylor_115, Winget_115, MadKillah_118, Smooch_113, Vorrps_115
• Track 2 : Bora_112
• Track 3 : Cosmo_2, MaryV_2, Azrael100_2, Wildcat_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 11 of the 15 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Catdawg_116, Corndog_111, MadKillah_118, Mori_115, Murai_115, NiebruSaylor_115, Ryadel_120, Smooch_113, Vorrps_115, Winget_115, YungJamal_112,

Genes that have the "Most Annotated" start but do not call it:
• Bora_112,

Genes that do not have the "Most Annotated" start:
• Azrael100_2, Cosmo_2, MaryV_2, Wildcat_2,

Summary by start number:

Start 2:
• Found in 12 of 16 (75.0%) of genes in pham
• Manual Annotations of this start: 11 of 15
• Called 91.7% of time when present
• Phage (with cluster) where this start called: Catdawg_116 (O), Corndog_111 (O), MadKillah_118 (O), Mori_115 (O), Murai_115 (O), NiebruSaylor_115 (O), Ryadel_120 (O), Smooch_113 (O), Vorrps_115 (O), Winget_115 (O), YungJamal_112 (O),

Start 3:
• Found in 4 of 16 (25.0%) of genes in pham

• Manual Annotations of this start: 4 of 15
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Azrael100_2 (V), Cosmo_2 (V), MaryV_2 (V), Wildcat_2 (V),

Start 4:
• Found in 12 of 16 (75.0%) of genes in pham
• No Manual Annotations of this start.
• Called 8.3% of time when present
• Phage (with cluster) where this start called: Bora_112 (O),

Summary by clusters:

There are 2 clusters represented in this pham: O, V,

Info for manual annotations of cluster O:
•Start number 2 was manually annotated 11 times for cluster O.

Info for manual annotations of cluster V:
•Start number 3 was manually annotated 4 times for cluster V.

Gene Information:

Gene: Azrael100_2 Start: 474, Stop: 265, Start Num: 3
Candidate Starts for Azrael100_2:
(1, 546), (Start: 3 @474 has 4 MA's), (6, 303), (8, 270),

Gene: Bora_112 Start: 67175, Stop: 66930, Start Num: 4
Candidate Starts for Bora_112:
(Start: 2 @67187 has 11 MA's), (4, 67175), (5, 67064), (6, 67016), (7, 66992), (9, 66947),

Gene: Catdawg_116 Start: 67823, Stop: 67566, Start Num: 2
Candidate Starts for Catdawg_116:
(Start: 2 @67823 has 11 MA's), (4, 67811), (5, 67700), (6, 67652), (7, 67628), (9, 67583),

Gene: Corndog_111 Start: 65458, Stop: 65210, Start Num: 2
Candidate Starts for Corndog_111:
(Start: 2 @65458 has 11 MA's), (4, 65446), (5, 65335), (6, 65287), (7, 65263), (9, 65218),

Gene: Cosmo_2 Start: 474, Stop: 265, Start Num: 3
Candidate Starts for Cosmo_2:
(1, 546), (Start: 3 @474 has 4 MA's), (6, 303), (8, 270),

Gene: MadKillah_118 Start: 66856, Stop: 66599, Start Num: 2
Candidate Starts for MadKillah_118:
(Start: 2 @66856 has 11 MA's), (4, 66844), (5, 66733), (6, 66685), (7, 66661), (9, 66616),

Gene: MaryV_2 Start: 474, Stop: 265, Start Num: 3
Candidate Starts for MaryV_2:
(1, 546), (Start: 3 @474 has 4 MA's), (6, 303), (8, 270),

Gene: Mori_115 Start: 67406, Stop: 67149, Start Num: 2
Candidate Starts for Mori_115:
(Start: 2 @67406 has 11 MA's), (4, 67394), (5, 67283), (6, 67235), (7, 67211), (9, 67166),

Gene: Murai_115 Start: 67224, Stop: 66967, Start Num: 2
Candidate Starts for Murai_115:
(Start: 2 @67224 has 11 MA's), (4, 67212), (5, 67101), (6, 67053), (7, 67029), (9, 66984),

Gene: NiebruSaylor_115 Start: 66520, Stop: 66263, Start Num: 2
Candidate Starts for NiebruSaylor_115:
(Start: 2 @66520 has 11 MA's), (4, 66508), (5, 66397), (6, 66349), (7, 66325), (9, 66280),

Gene: Ryadel_120 Start: 68372, Stop: 68115, Start Num: 2
Candidate Starts for Ryadel_120:
(Start: 2 @68372 has 11 MA's), (4, 68360), (5, 68249), (6, 68201), (7, 68177), (9, 68132),

Gene: Smooch_113 Start: 67104, Stop: 66847, Start Num: 2
Candidate Starts for Smooch_113:
(Start: 2 @67104 has 11 MA's), (4, 67092), (5, 66981), (6, 66933), (7, 66909), (9, 66864),

Gene: Vorrps_115 Start: 67407, Stop: 67150, Start Num: 2
Candidate Starts for Vorrps_115:
(Start: 2 @67407 has 11 MA's), (4, 67395), (5, 67284), (6, 67236), (7, 67212), (9, 67167),

Gene: Wildcat_2 Start: 484, Stop: 275, Start Num: 3
Candidate Starts for Wildcat_2:
(1, 556), (Start: 3 @484 has 4 MA's), (6, 313), (8, 280),

Gene: Winget_115 Start: 67256, Stop: 66999, Start Num: 2
Candidate Starts for Winget_115:
(Start: 2 @67256 has 11 MA's), (4, 67244), (5, 67133), (6, 67085), (7, 67061), (9, 67016),

Gene: YungJamal_112 Start: 65893, Stop: 65636, Start Num: 2
Candidate Starts for YungJamal_112:
(Start: 2 @65893 has 11 MA's), (4, 65881), (5, 65770), (6, 65722), (7, 65698), (9, 65653),