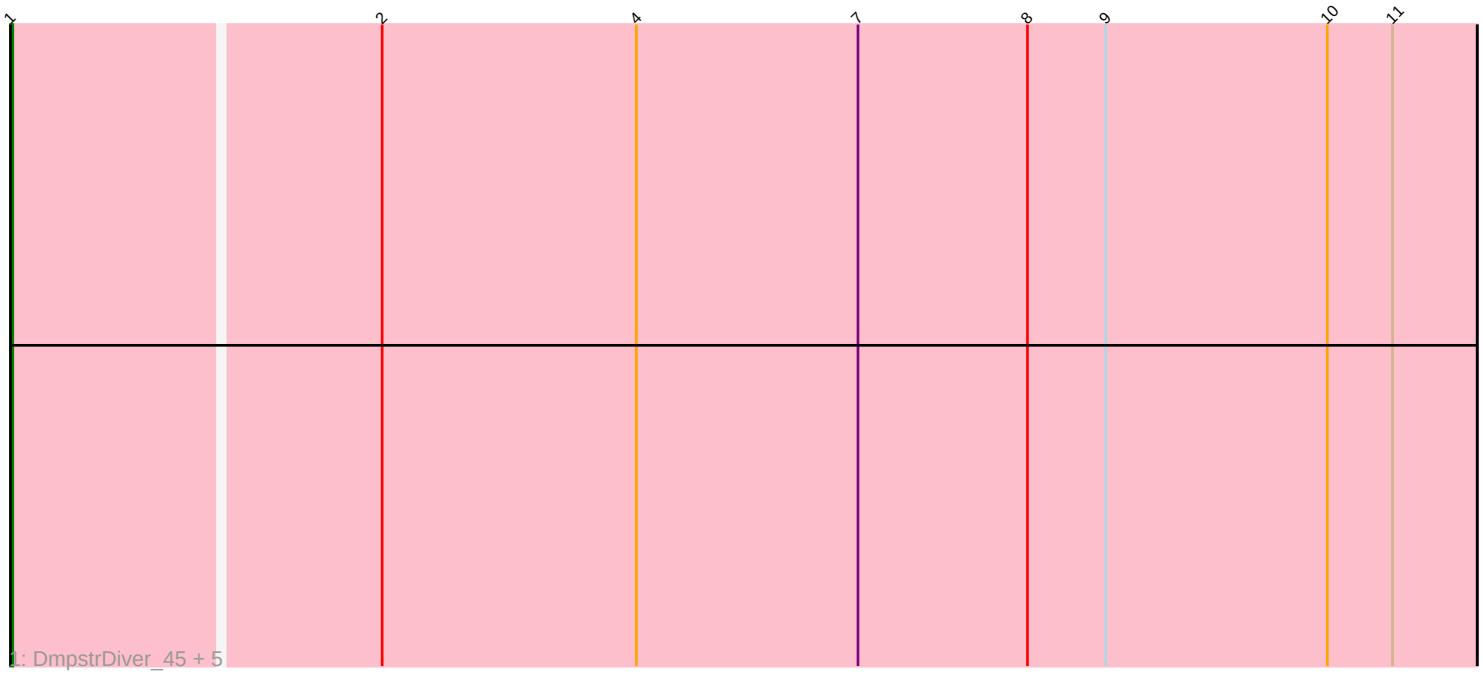
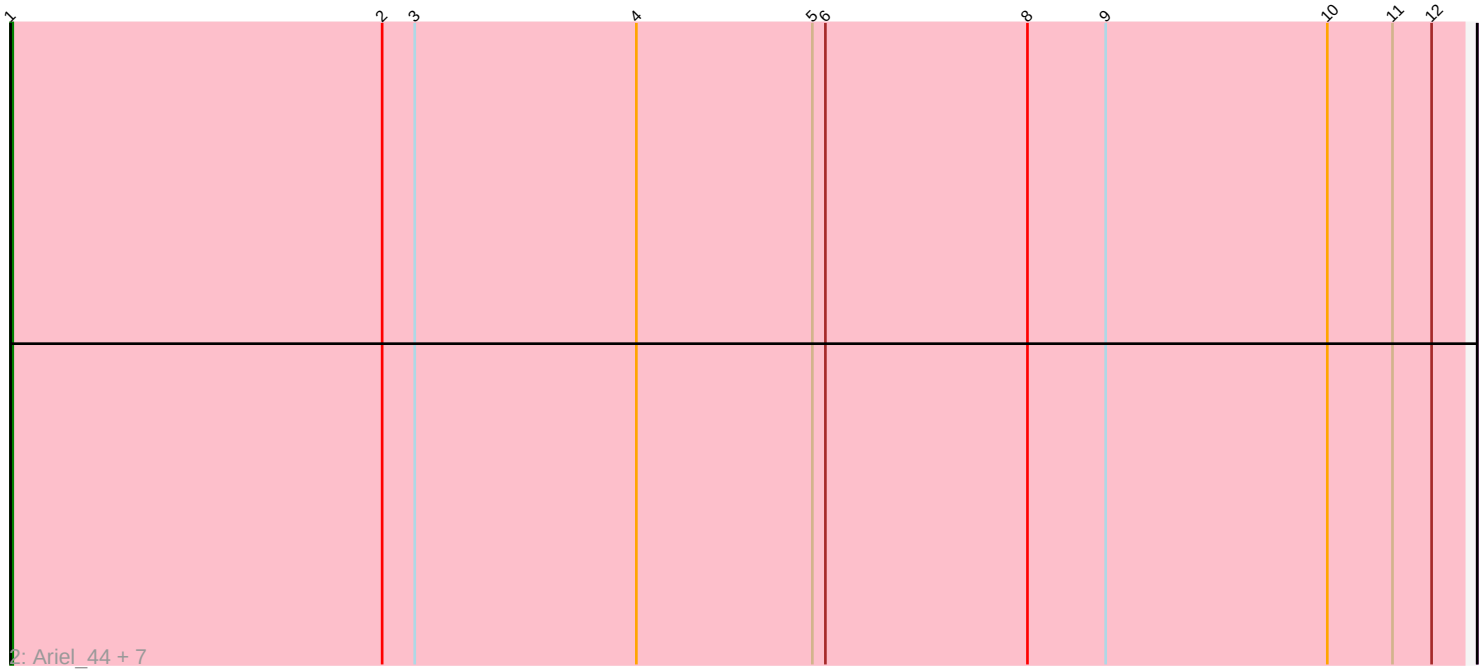
Pham 87122





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 87122 Report

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

Pham number 87122 has 14 members, 1 are drafts.

Phages represented in each track:
• Track 1 : DmpstrDiver_45, BAKA_48, Optimus_49, Minerva_50, Duke13_47, Wanda_50
• Track 2 : Ariel_44, Squint_43, Gonephishing_46, Superphikiman_44, Courthouse_44, Lucky2013_44, MiaZeal_44, Porcelain_43

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

The start number called the most often in the published annotations is 1, it was called in 13 of the 13 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Ariel_44, BAKA_48, Courthouse_44, DmpstrDiver_45, Duke13_47, Gonephishing_46, Lucky2013_44, MiaZeal_44, Minerva_50, Optimus_49, Porcelain_43, Squint_43, Superphikiman_44, Wanda_50,

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

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

Summary by start number:

Start 1:
• Found in 14 of 14 (100.0%) of genes in pham
• Manual Annotations of this start: 13 of 13
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Ariel_44 (J), BAKA_48 (J), Courthouse_44 (J), DmpstrDiver_45 (J), Duke13_47 (J), Gonephishing_46 (J), Lucky2013_44 (J), MiaZeal_44 (J), Minerva_50 (J), Optimus_49 (J), Porcelain_43 (J), Squint_43 (J), Superphikiman_44 (J), Wanda_50 (J),

Summary by clusters:

There is one cluster represented in this pham: J

Info for manual annotations of cluster J:
•Start number 1 was manually annotated 13 times for cluster J.

Gene Information:

Gene: Ariel_44 Start: 35602, Stop: 36270, Start Num: 1
Candidate Starts for Ariel_44:
(Start: 1 @35602 has 13 MA's), (2, 35773), (3, 35788), (4, 35890), (5, 35971), (6, 35977), (8, 36070), (9, 36106), (10, 36208), (11, 36238), (12, 36256),

Gene: BAKA_48 Start: 39225, Stop: 39893, Start Num: 1
Candidate Starts for BAKA_48:
(Start: 1 @39225 has 13 MA's), (2, 39390), (4, 39507), (7, 39609), (8, 39687), (9, 39723), (10, 39825), (11, 39855),

Gene: Courthouse_44 Start: 36006, Stop: 36674, Start Num: 1
Candidate Starts for Courthouse_44:
(Start: 1 @36006 has 13 MA's), (2, 36177), (3, 36192), (4, 36294), (5, 36375), (6, 36381), (8, 36474), (9, 36510), (10, 36612), (11, 36642), (12, 36660),

Gene: DmpstrDiver_45 Start: 38654, Stop: 39322, Start Num: 1
Candidate Starts for DmpstrDiver_45:
(Start: 1 @38654 has 13 MA's), (2, 38819), (4, 38936), (7, 39038), (8, 39116), (9, 39152), (10, 39254), (11, 39284),

Gene: Duke13_47 Start: 38972, Stop: 39640, Start Num: 1
Candidate Starts for Duke13_47:
(Start: 1 @38972 has 13 MA's), (2, 39137), (4, 39254), (7, 39356), (8, 39434), (9, 39470), (10, 39572), (11, 39602),

Gene: Gonephishing_46 Start: 37401, Stop: 38069, Start Num: 1
Candidate Starts for Gonephishing_46:
(Start: 1 @37401 has 13 MA's), (2, 37572), (3, 37587), (4, 37689), (5, 37770), (6, 37776), (8, 37869), (9, 37905), (10, 38007), (11, 38037), (12, 38055),

Gene: Lucky2013_44 Start: 36142, Stop: 36810, Start Num: 1
Candidate Starts for Lucky2013_44:
(Start: 1 @36142 has 13 MA's), (2, 36313), (3, 36328), (4, 36430), (5, 36511), (6, 36517), (8, 36610), (9, 36646), (10, 36748), (11, 36778), (12, 36796),

Gene: MiaZeal_44 Start: 35817, Stop: 36485, Start Num: 1
Candidate Starts for MiaZeal_44:
(Start: 1 @35817 has 13 MA's), (2, 35988), (3, 36003), (4, 36105), (5, 36186), (6, 36192), (8, 36285), (9, 36321), (10, 36423), (11, 36453), (12, 36471),

Gene: Minerva_50 Start: 40521, Stop: 41189, Start Num: 1
Candidate Starts for Minerva_50:
(Start: 1 @40521 has 13 MA's), (2, 40686), (4, 40803), (7, 40905), (8, 40983), (9, 41019), (10, 41121), (11, 41151),

Gene: Optimus_49 Start: 40106, Stop: 40774, Start Num: 1
Candidate Starts for Optimus_49:
(Start: 1 @40106 has 13 MA's), (2, 40271), (4, 40388), (7, 40490), (8, 40568), (9, 40604), (10, 40706), (11, 40736),

Gene: Porcelain_43 Start: 35817, Stop: 36485, Start Num: 1
Candidate Starts for Porcelain_43:
(Start: 1 @35817 has 13 MA's), (2, 35988), (3, 36003), (4, 36105), (5, 36186), (6, 36192), (8, 36285), (9, 36321), (10, 36423), (11, 36453), (12, 36471),

Gene: Squint_43 Start: 35936, Stop: 36604, Start Num: 1
Candidate Starts for Squint_43:
(Start: 1 @35936 has 13 MA's), (2, 36107), (3, 36122), (4, 36224), (5, 36305), (6, 36311), (8, 36404), (9, 36440), (10, 36542), (11, 36572), (12, 36590),

Gene: Superphikiman_44 Start: 36008, Stop: 36676, Start Num: 1
Candidate Starts for Superphikiman_44:
(Start: 1 @36008 has 13 MA's), (2, 36179), (3, 36194), (4, 36296), (5, 36377), (6, 36383), (8, 36476), (9, 36512), (10, 36614), (11, 36644), (12, 36662),

Gene: Wanda_50 Start: 38998, Stop: 39666, Start Num: 1
Candidate Starts for Wanda_50:
(Start: 1 @38998 has 13 MA's), (2, 39163), (4, 39280), (7, 39382), (8, 39460), (9, 39496), (10, 39598), (11, 39628),