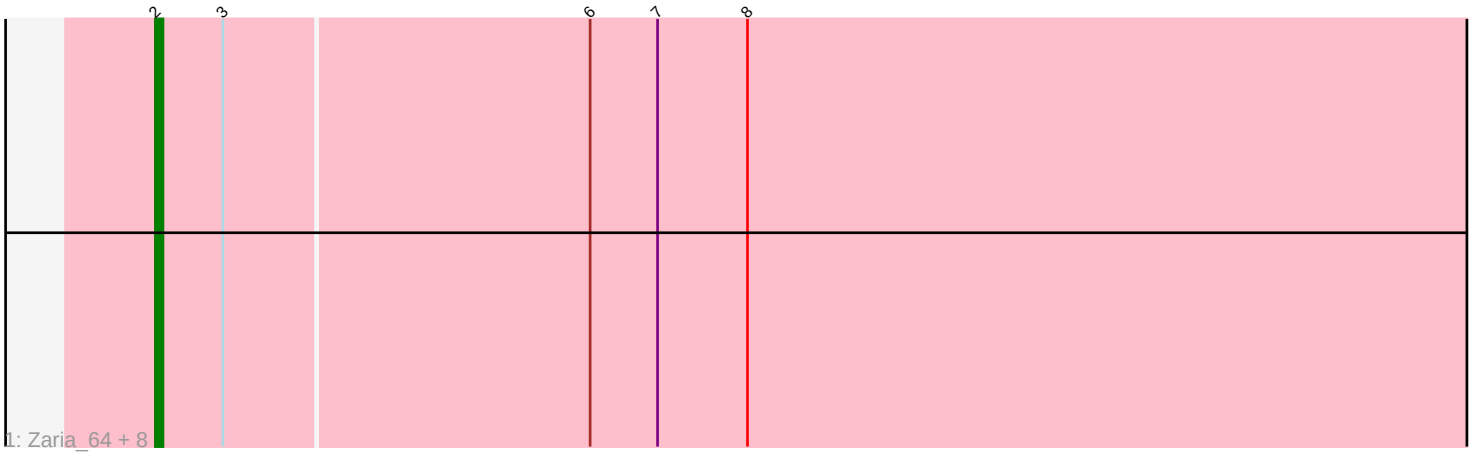
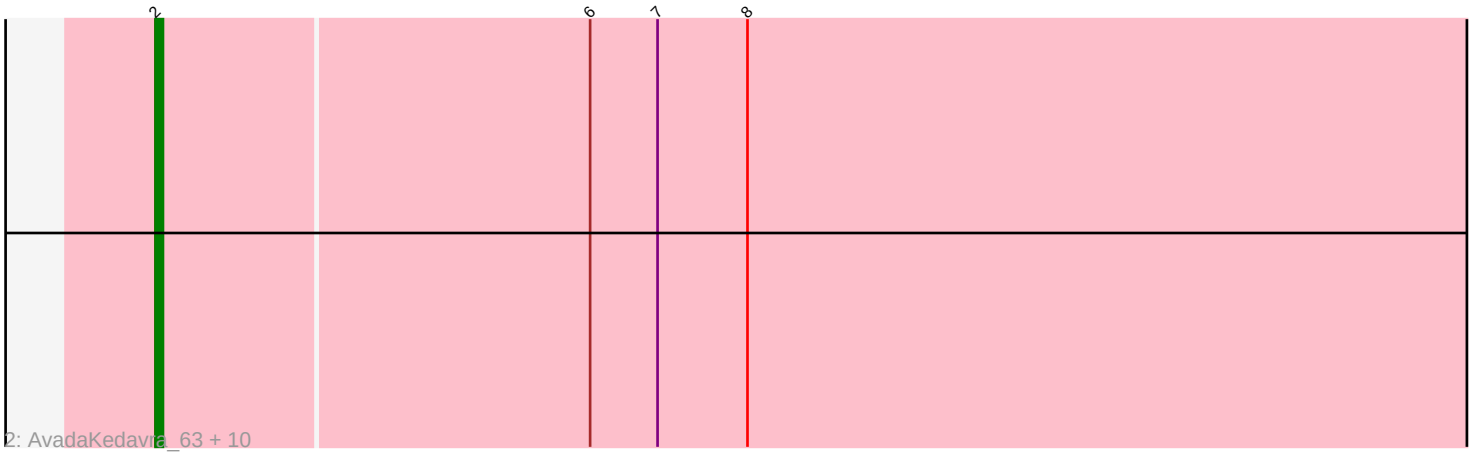
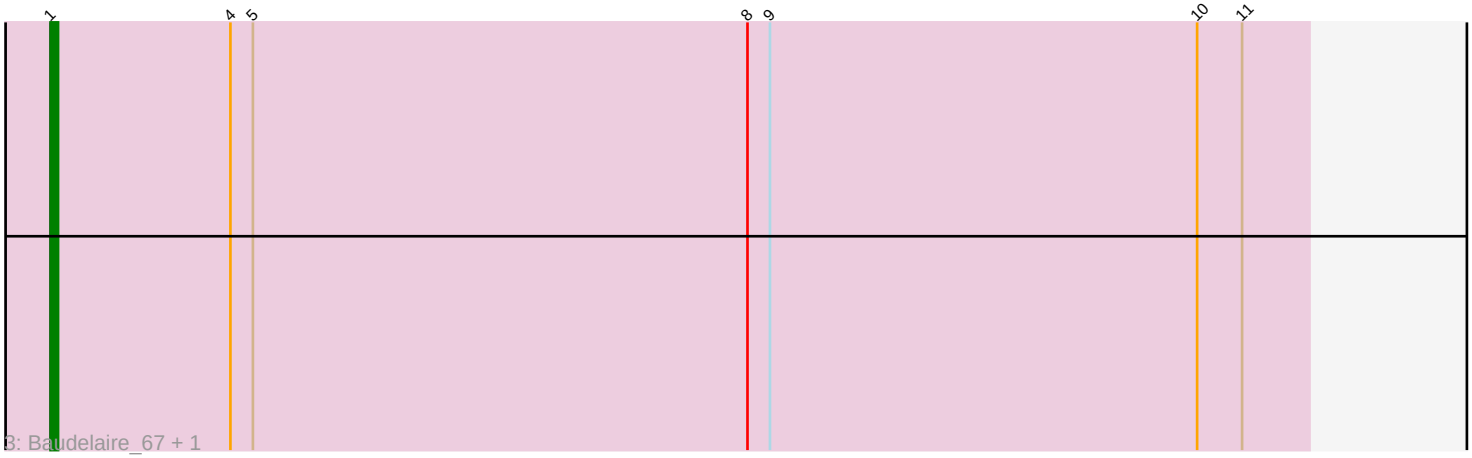
# Pham 348024


2
3
6
7
8
1: Zaria_64 + 8


2
6
7
8
2: AvadaKedavra_63 + 10


1
4
5
8
9
10
11
3: Baudelaire_67 + 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 348024 Report

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

Pham number 348024 has 22 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Zaria_64, Halena_61, DirkDirk_60, MAckerman_62, OhShagHennessy_61, Appletree2_63, Calm_64, UPIE_63, LeBron_62
• Track 2 : AvadaKedavra_63, JoeDirt_62, Wyatt2_64, Wamburgrxpress_63, Acquire49_63, Silverleaf_63, Rose5_63, Tyson_63, Poochiewood_63, CicholasNage_62, Enceladus_61
• Track 3 : Baudelaire_67, Aegeus_67

***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 19 of the 21 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Acquire49_63, Appletree2_63, AvadaKedavra_63, Calm_64, CicholasNage_62, DirkDirk_60, Enceladus_61, Halena_61, JoeDirt_62, LeBron_62, MAckerman_62, OhShagHennessy_61, Poochiewood_63, Rose5_63, Silverleaf_63, Tyson_63, UPIE_63, Wamburgrxpress_63, Wyatt2_64, Zaria_64,

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

Genes that do not have the "Most Annotated" start:
• Aegeus_67, Baudelaire_67,

**Summary by start number:**

Start 1:
• Found in 2 of 22 ( 9.1% ) of genes in pham
• Manual Annotations of this start: 2 of 21
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Aegeus_67 (L5), Baudelaire_67 (L5),

Start 2:
• Found in 20 of 22 ( 90.9% ) of genes in pham

• Manual Annotations of this start: 19 of 21
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Acquire49_63 (L1), Appletree2_63 (L1), AvadaKedavra_63 (L1), Calm_64 (L1), CicholasNage_62 (L1), DirkDirk_60 (L1), Enceladus_61 (L1), Halena_61 (L1), JoeDirt_62 (L1), LeBron_62 (L1), MAckerman_62 (L1), OhShagHennessy_61 (L1), Poochiewood_63 (L1), Rose5_63 (L1), Silverleaf_63 (L1), Tyson_63 (L1), UPIE_63 (L1), Wamburgrxpress_63 (L1), Wyatt2_64 (L1), Zaria_64 (L1),

**Summary by clusters:**

There are 2 clusters represented in this pham: L5, L1,

Info for manual annotations of cluster L1:
•Start number 2 was manually annotated 19 times for cluster L1.

Info for manual annotations of cluster L5:
•Start number 1 was manually annotated 2 times for cluster L5.

***Gene Information:***

Gene: Acquire49_63 Start: 44070, Stop: 44261, Start Num: 2
Candidate Starts for Acquire49_63:
(Start: 2 @44070 has 19 MA's), (6, 44127), (7, 44136), (8, 44148),

Gene: Aegeus_67 Start: 45507, Stop: 45674, Start Num: 1
Candidate Starts for Aegeus_67:
(Start: 1 @45507 has 2 MA's), (4, 45531), (5, 45534), (8, 45600), (9, 45603), (10, 45660), (11, 45666),

Gene: Appletree2_63 Start: 43894, Stop: 44085, Start Num: 2
Candidate Starts for Appletree2_63:
(Start: 2 @43894 has 19 MA's), (3, 43903), (6, 43951), (7, 43960), (8, 43972),

Gene: AvadaKedavra_63 Start: 44143, Stop: 44334, Start Num: 2
Candidate Starts for AvadaKedavra_63:
(Start: 2 @44143 has 19 MA's), (6, 44200), (7, 44209), (8, 44221),

Gene: Baudelaire_67 Start: 45507, Stop: 45674, Start Num: 1
Candidate Starts for Baudelaire_67:
(Start: 1 @45507 has 2 MA's), (4, 45531), (5, 45534), (8, 45600), (9, 45603), (10, 45660), (11, 45666),

Gene: Calm_64 Start: 44070, Stop: 44261, Start Num: 2
Candidate Starts for Calm_64:
(Start: 2 @44070 has 19 MA's), (3, 44079), (6, 44127), (7, 44136), (8, 44148),

Gene: CicholasNage_62 Start: 44106, Stop: 44297, Start Num: 2
Candidate Starts for CicholasNage_62:
(Start: 2 @44106 has 19 MA's), (6, 44163), (7, 44172), (8, 44184),

Gene: DirkDirk_60 Start: 43480, Stop: 43671, Start Num: 2
Candidate Starts for DirkDirk_60:

(Start: 2 @43480 has 19 MA's), (3, 43489), (6, 43537), (7, 43546), (8, 43558),

Gene: Enceladus_61 Start: 43952, Stop: 44143, Start Num: 2
Candidate Starts for Enceladus_61:
(Start: 2 @43952 has 19 MA's), (6, 44009), (7, 44018), (8, 44030),

Gene: Halena_61 Start: 43517, Stop: 43708, Start Num: 2
Candidate Starts for Halena_61:
(Start: 2 @43517 has 19 MA's), (3, 43526), (6, 43574), (7, 43583), (8, 43595),

Gene: JoeDirt_62 Start: 44385, Stop: 44576, Start Num: 2
Candidate Starts for JoeDirt_62:
(Start: 2 @44385 has 19 MA's), (6, 44442), (7, 44451), (8, 44463),

Gene: LeBron_62 Start: 43521, Stop: 43712, Start Num: 2
Candidate Starts for LeBron_62:
(Start: 2 @43521 has 19 MA's), (3, 43530), (6, 43578), (7, 43587), (8, 43599),

Gene: MAckerman_62 Start: 43510, Stop: 43701, Start Num: 2
Candidate Starts for MAckerman_62:
(Start: 2 @43510 has 19 MA's), (3, 43519), (6, 43567), (7, 43576), (8, 43588),

Gene: OhShagHennessy_61 Start: 42961, Stop: 43152, Start Num: 2
Candidate Starts for OhShagHennessy_61:
(Start: 2 @42961 has 19 MA's), (3, 42970), (6, 43018), (7, 43027), (8, 43039),

Gene: Poochiewood_63 Start: 44393, Stop: 44584, Start Num: 2
Candidate Starts for Poochiewood_63:
(Start: 2 @44393 has 19 MA's), (6, 44450), (7, 44459), (8, 44471),

Gene: Rose5_63 Start: 44405, Stop: 44596, Start Num: 2
Candidate Starts for Rose5_63:
(Start: 2 @44405 has 19 MA's), (6, 44462), (7, 44471), (8, 44483),

Gene: Silverleaf_63 Start: 44140, Stop: 44331, Start Num: 2
Candidate Starts for Silverleaf_63:
(Start: 2 @44140 has 19 MA's), (6, 44197), (7, 44206), (8, 44218),

Gene: Tyson_63 Start: 44407, Stop: 44598, Start Num: 2
Candidate Starts for Tyson_63:
(Start: 2 @44407 has 19 MA's), (6, 44464), (7, 44473), (8, 44485),

Gene: UPIE_63 Start: 43931, Stop: 44122, Start Num: 2
Candidate Starts for UPIE_63:
(Start: 2 @43931 has 19 MA's), (3, 43940), (6, 43988), (7, 43997), (8, 44009),

Gene: Wamburgrxpress_63 Start: 43961, Stop: 44152, Start Num: 2
Candidate Starts for Wamburgrxpress_63:
(Start: 2 @43961 has 19 MA's), (6, 44018), (7, 44027), (8, 44039),

Gene: Wyatt2_64 Start: 44405, Stop: 44596, Start Num: 2
Candidate Starts for Wyatt2_64:
(Start: 2 @44405 has 19 MA's), (6, 44462), (7, 44471), (8, 44483),

Gene: Zaria_64 Start: 44070, Stop: 44261, Start Num: 2
Candidate Starts for Zaria_64:
(Start: 2 @44070 has 19 MA's), (3, 44079), (6, 44127), (7, 44136), (8, 44148),