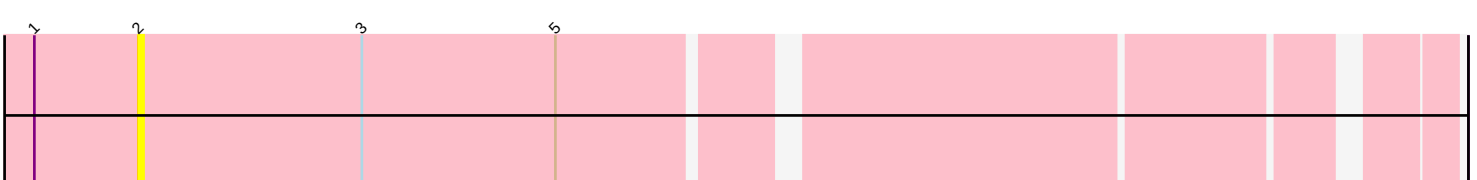
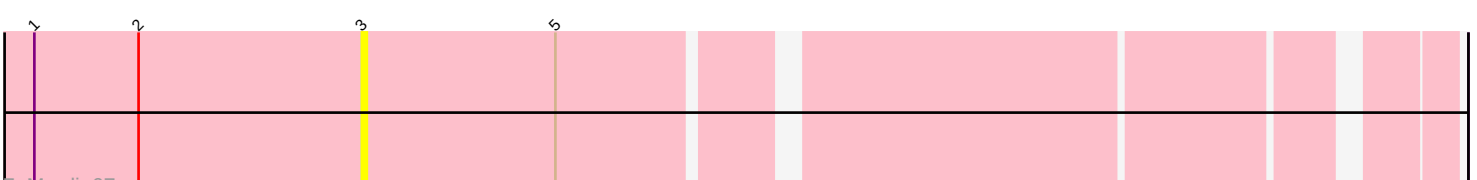
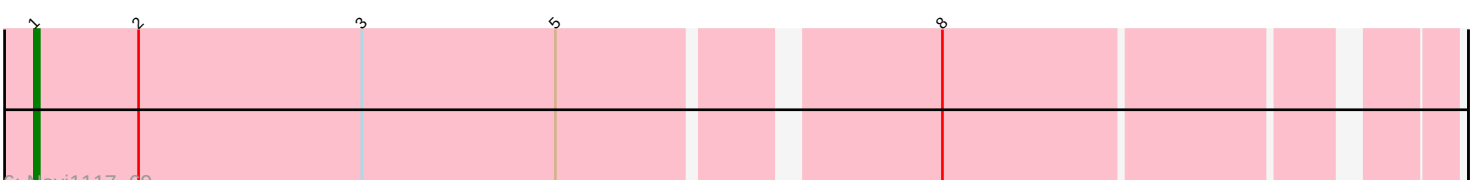
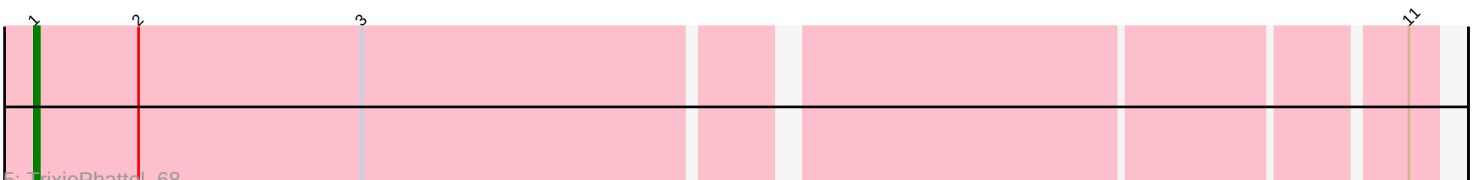
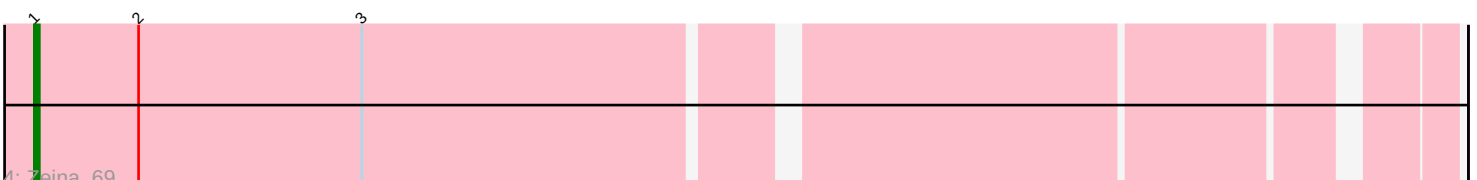
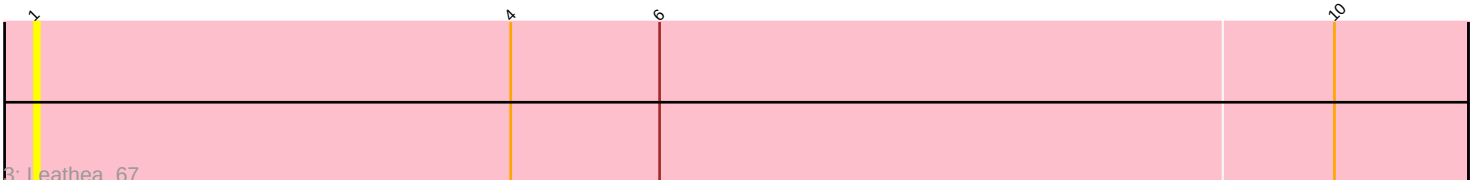
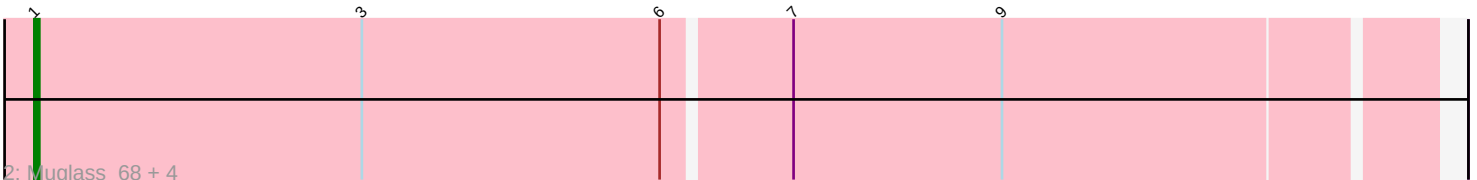


Pham 331252



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 331252 Report

This analysis was run 09/05/26 on database version 662.

Pham number 331252 has 20 members, 4 are drafts.

Phages represented in each track:

- Track 1 : Argan_64, Uzumaki_64, PoeMe_67, Phaila_67, GantcherGoblin_65, BlackHoleSun_69, Stardrop_67, Tenney120_68, KevinMinion_65
- Track 2 : Muglass_68, Lewando_70, Biscute_67, Kinny_70, Barbonzobean_70
- Track 3 : Leathea_67
- Track 4 : Zeina_69
- Track 5 : TrixiePhattel_68
- Track 6 : Navi1117_69
- Track 7 : Mardi_67
- Track 8 : Altjira_69

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 16 of the 16 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Argan_64, Barbonzobean_70, Biscute_67, BlackHoleSun_69, GantcherGoblin_65, KevinMinion_65, Kinny_70, Leathea_67, Lewando_70, Muglass_68, Navi1117_69, Phaila_67, PoeMe_67, Stardrop_67, Tenney120_68, TrixiePhattel_68, Uzumaki_64, Zeina_69,

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

- Altjira_69, Mardi_67,

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

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Summary by start number:

Start 1:

- Found in 20 of 20 (100.0%) of genes in pham
- Manual Annotations of this start: 16 of 16
- Called 90.0% of time when present

- Phage (with cluster) where this start called: Argan_64 (AU6), Barbonzobean_70 (AU6), Biscute_67 (AU6), BlackHoleSun_69 (AU6), GantcherGoblin_65 (AU6), KevinMinion_65 (AU6), Kinny_70 (AU6), Leathea_67 (AU6), Lewando_70 (AU6), Muglass_68 (AU6), Navi1117_69 (AU6), Phaila_67 (AU6), PoeMe_67 (AU6), Stardrop_67 (AU6), Tenney120_68 (AU6), TrixiePhattel_68 (AU6), Uzumaki_64 (AU6), Zeina_69 (AU6),

Start 2:

- Found in 14 of 20 (70.0%) of genes in pham
- No Manual Annotations of this start.
- Called 7.1% of time when present
- Phage (with cluster) where this start called: Altjira_69 (AU6),

Start 3:

- Found in 19 of 20 (95.0%) of genes in pham
- No Manual Annotations of this start.
- Called 5.3% of time when present
- Phage (with cluster) where this start called: Mardi_67 (AU6),

Summary by clusters:

There is one cluster represented in this pham: AU6

Info for manual annotations of cluster AU6:

- Start number 1 was manually annotated 16 times for cluster AU6.

Gene Information:

Gene: Altjira_69 Start: 43998, Stop: 44243, Start Num: 2

Candidate Starts for Altjira_69:

(Start: 1 @43977 has 16 MA's), (2, 43998), (3, 44043), (5, 44082),

Gene: Argan_64 Start: 42700, Stop: 42966, Start Num: 1

Candidate Starts for Argan_64:

(Start: 1 @42700 has 16 MA's), (2, 42721), (3, 42766), (5, 42805),

Gene: Barbonzobean_70 Start: 44628, Stop: 44903, Start Num: 1

Candidate Starts for Barbonzobean_70:

(Start: 1 @44628 has 16 MA's), (3, 44694), (6, 44754), (7, 44778), (9, 44820),

Gene: Biscute_67 Start: 44032, Stop: 44307, Start Num: 1

Candidate Starts for Biscute_67:

(Start: 1 @44032 has 16 MA's), (3, 44098), (6, 44158), (7, 44182), (9, 44224),

Gene: BlackHoleSun_69 Start: 42815, Stop: 43081, Start Num: 1

Candidate Starts for BlackHoleSun_69:

(Start: 1 @42815 has 16 MA's), (2, 42836), (3, 42881), (5, 42920),

Gene: GantcherGoblin_65 Start: 42756, Stop: 43022, Start Num: 1

Candidate Starts for GantcherGoblin_65:

(Start: 1 @42756 has 16 MA's), (2, 42777), (3, 42822), (5, 42861),

Gene: KevinMinion_65 Start: 43651, Stop: 43917, Start Num: 1
Candidate Starts for KevinMinion_65:
(Start: 1 @43651 has 16 MA's), (2, 43672), (3, 43717), (5, 43756),

Gene: Kinny_70 Start: 44860, Stop: 45135, Start Num: 1
Candidate Starts for Kinny_70:
(Start: 1 @44860 has 16 MA's), (3, 44926), (6, 44986), (7, 45010), (9, 45052),

Gene: Leathea_67 Start: 42633, Stop: 42920, Start Num: 1
Candidate Starts for Leathea_67:
(Start: 1 @42633 has 16 MA's), (4, 42729), (6, 42759), (10, 42894),

Gene: Lewando_70 Start: 44452, Stop: 44727, Start Num: 1
Candidate Starts for Lewando_70:
(Start: 1 @44452 has 16 MA's), (3, 44518), (6, 44578), (7, 44602), (9, 44644),

Gene: Mardi_67 Start: 43284, Stop: 43484, Start Num: 3
Candidate Starts for Mardi_67:
(Start: 1 @43218 has 16 MA's), (2, 43239), (3, 43284), (5, 43323),

Gene: Muglass_68 Start: 43936, Stop: 44211, Start Num: 1
Candidate Starts for Muglass_68:
(Start: 1 @43936 has 16 MA's), (3, 44002), (6, 44062), (7, 44086), (9, 44128),

Gene: Navi1117_69 Start: 43660, Stop: 43926, Start Num: 1
Candidate Starts for Navi1117_69:
(Start: 1 @43660 has 16 MA's), (2, 43681), (3, 43726), (5, 43765), (8, 43834),

Gene: Phaila_67 Start: 42883, Stop: 43149, Start Num: 1
Candidate Starts for Phaila_67:
(Start: 1 @42883 has 16 MA's), (2, 42904), (3, 42949), (5, 42988),

Gene: PoeMe_67 Start: 43368, Stop: 43634, Start Num: 1
Candidate Starts for PoeMe_67:
(Start: 1 @43368 has 16 MA's), (2, 43389), (3, 43434), (5, 43473),

Gene: Stardrop_67 Start: 43470, Stop: 43736, Start Num: 1
Candidate Starts for Stardrop_67:
(Start: 1 @43470 has 16 MA's), (2, 43491), (3, 43536), (5, 43575),

Gene: Tenney120_68 Start: 43416, Stop: 43682, Start Num: 1
Candidate Starts for Tenney120_68:
(Start: 1 @43416 has 16 MA's), (2, 43437), (3, 43482), (5, 43521),

Gene: TrixiePhattel_68 Start: 43043, Stop: 43309, Start Num: 1
Candidate Starts for TrixiePhattel_68:
(Start: 1 @43043 has 16 MA's), (2, 43064), (3, 43109), (11, 43304),

Gene: Uzumaki_64 Start: 42857, Stop: 43123, Start Num: 1
Candidate Starts for Uzumaki_64:
(Start: 1 @42857 has 16 MA's), (2, 42878), (3, 42923), (5, 42962),

Gene: Zeina_69 Start: 43551, Stop: 43817, Start Num: 1
Candidate Starts for Zeina_69:
(Start: 1 @43551 has 16 MA's), (2, 43572), (3, 43617),