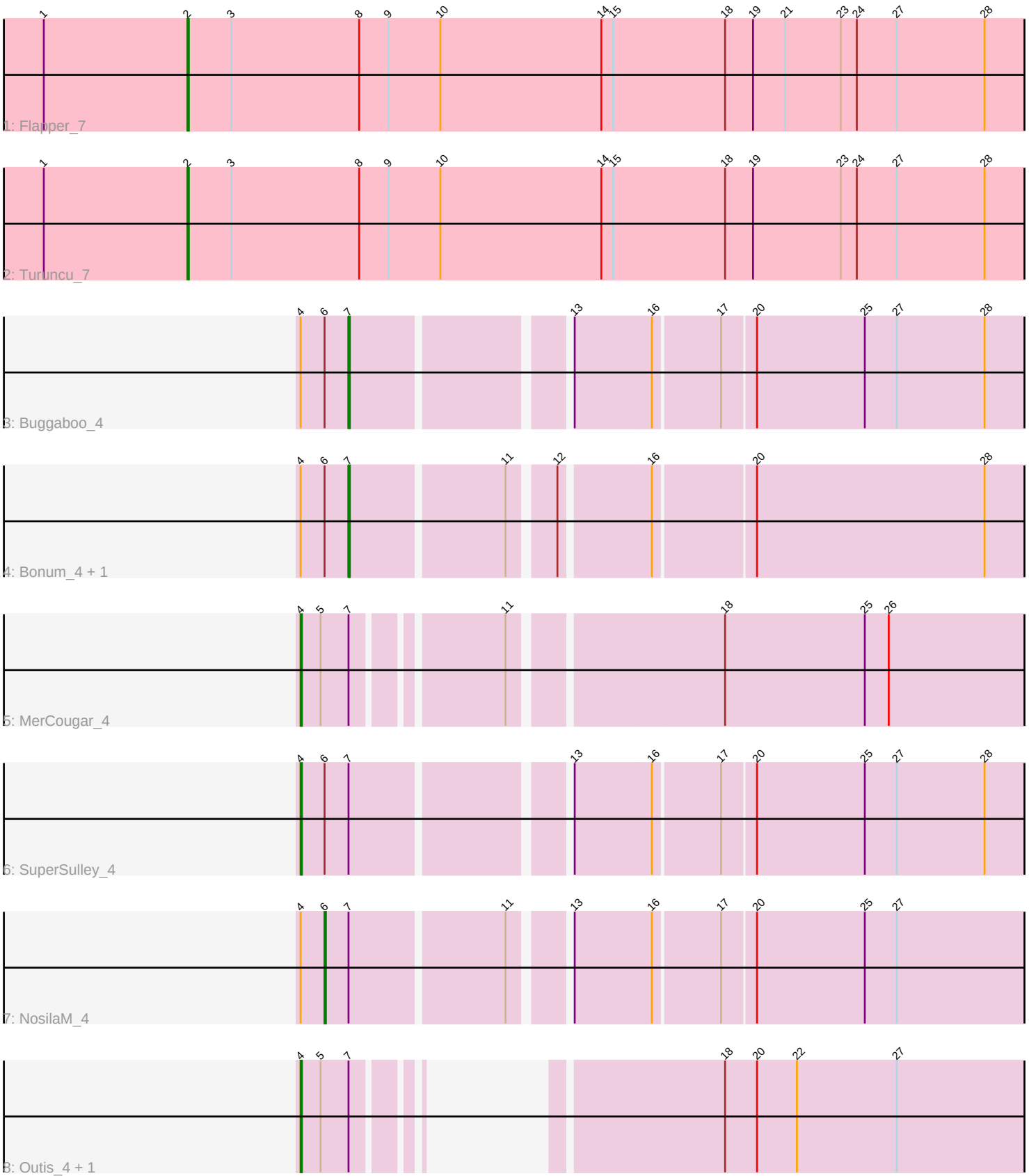
Pham 193069


1: Flapper_7
2: Turuncu_7
3: Buggaboo_4
4: Bonum_4 + 1
5: MerCougar_4
6: SuperSulley_4
7: NosilaM_4
8: Outis_4 + 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 193069 Report

This analysis was run 11/02/24 on database version 579.

Pham number 193069 has 10 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Flapper_7
• Track 2 : Turuncu_7
• Track 3 : Buggaboo_4
• Track 4 : Bonum_4, Kabluna_4
• Track 5 : MerCougar_4
• Track 6 : SuperSulley_4
• Track 7 : NosilaM_4
• Track 8 : Outis_4, StarStruck_4

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

The start number called the most often in the published annotations is 4, it was called in 4 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• MerCougar_4, Outis_4, StarStruck_4, SuperSulley_4,

Genes that have the "Most Annotated" start but do not call it:
• Bonum_4, Buggaboo_4, Kabluna_4, NosilaM_4,

Genes that do not have the "Most Annotated" start:
• Flapper_7, Turuncu_7,

Summary by start number:

Start 2:
• Found in 2 of 10 (20.0%) of genes in pham
• Manual Annotations of this start: 2 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Flapper_7 (CR1), Turuncu_7 (CR1),

Start 4:
• Found in 8 of 10 (80.0%) of genes in pham
• Manual Annotations of this start: 4 of 10

• Called 50.0% of time when present
• Phage (with cluster) where this start called: MerCougar_4 (CR2), Outis_4 (CR2), StarStruck_4 (CR2), SuperSulley_4 (CR2),

Start 6:
• Found in 5 of 10 (50.0%) of genes in pham
• Manual Annotations of this start: 1 of 10
• Called 20.0% of time when present
• Phage (with cluster) where this start called: NosilaM_4 (CR2),

Start 7:
• Found in 8 of 10 (80.0%) of genes in pham
• Manual Annotations of this start: 3 of 10
• Called 37.5% of time when present
• Phage (with cluster) where this start called: Bonum_4 (CR2), Buggaboo_4 (CR2), Kabluna_4 (CR2),

Summary by clusters:

There are 2 clusters represented in this pham: CR2, CR1,

Info for manual annotations of cluster CR1:
•Start number 2 was manually annotated 2 times for cluster CR1.

Info for manual annotations of cluster CR2:
•Start number 4 was manually annotated 4 times for cluster CR2.
•Start number 6 was manually annotated 1 time for cluster CR2.
•Start number 7 was manually annotated 3 times for cluster CR2.

Gene Information:

Gene: Bonum_4 Start: 3830, Stop: 4321, Start Num: 7
Candidate Starts for Bonum_4:
(Start: 4 @3794 has 4 MA's), (Start: 6 @3812 has 1 MA's), (Start: 7 @3830 has 3 MA's), (11, 3941), (12, 3971), (16, 4034), (20, 4106), (28, 4277),

Gene: Buggaboo_4 Start: 3485, Stop: 3976, Start Num: 7
Candidate Starts for Buggaboo_4:
(Start: 4 @3449 has 4 MA's), (Start: 6 @3467 has 1 MA's), (Start: 7 @3485 has 3 MA's), (13, 3632), (16, 3689), (17, 3737), (20, 3761), (25, 3842), (27, 3866), (28, 3932),

Gene: Flapper_7 Start: 4082, Stop: 4723, Start Num: 2
Candidate Starts for Flapper_7:
(1, 3974), (Start: 2 @4082 has 2 MA's), (3, 4115), (8, 4211), (9, 4232), (10, 4271), (14, 4391), (15, 4400), (18, 4484), (19, 4505), (21, 4529), (23, 4571), (24, 4583), (27, 4613), (28, 4679),

Gene: Kabluna_4 Start: 3221, Stop: 3712, Start Num: 7
Candidate Starts for Kabluna_4:
(Start: 4 @3185 has 4 MA's), (Start: 6 @3203 has 1 MA's), (Start: 7 @3221 has 3 MA's), (11, 3332), (12, 3362), (16, 3425), (20, 3497), (28, 3668),

Gene: MerCougar_4 Start: 3823, Stop: 4344, Start Num: 4
Candidate Starts for MerCougar_4:
(Start: 4 @3823 has 4 MA's), (5, 3838), (Start: 7 @3859 has 3 MA's), (11, 3958), (18, 4105), (25, 4210), (26, 4228),

Gene: NosilaM_4 Start: 4091, Stop: 4600, Start Num: 6
Candidate Starts for NosilaM_4:
(Start: 4 @4073 has 4 MA's), (Start: 6 @4091 has 1 MA's), (Start: 7 @4109 has 3 MA's), (11, 4220), (13, 4256), (16, 4313), (17, 4361), (20, 4385), (25, 4466), (27, 4490),

Gene: Outis_4 Start: 3598, Stop: 4035, Start Num: 4
Candidate Starts for Outis_4:
(Start: 4 @3598 has 4 MA's), (5, 3613), (Start: 7 @3634 has 3 MA's), (18, 3796), (20, 3820), (22, 3850), (27, 3925),

Gene: StarStruck_4 Start: 3598, Stop: 4035, Start Num: 4
Candidate Starts for StarStruck_4:
(Start: 4 @3598 has 4 MA's), (5, 3613), (Start: 7 @3634 has 3 MA's), (18, 3796), (20, 3820), (22, 3850), (27, 3925),

Gene: SuperSulley_4 Start: 3449, Stop: 3976, Start Num: 4
Candidate Starts for SuperSulley_4:
(Start: 4 @3449 has 4 MA's), (Start: 6 @3467 has 1 MA's), (Start: 7 @3485 has 3 MA's), (13, 3632), (16, 3689), (17, 3737), (20, 3761), (25, 3842), (27, 3866), (28, 3932),

Gene: Turuncu_7 Start: 3978, Stop: 4619, Start Num: 2
Candidate Starts for Turuncu_7:
(1, 3870), (Start: 2 @3978 has 2 MA's), (3, 4011), (8, 4107), (9, 4128), (10, 4167), (14, 4287), (15, 4296), (18, 4380), (19, 4401), (23, 4467), (24, 4479), (27, 4509), (28, 4575),