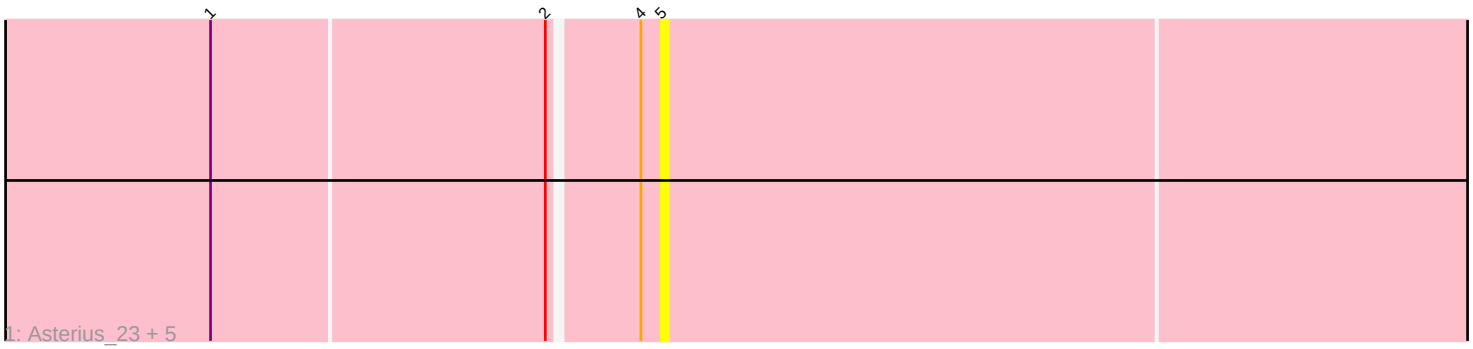
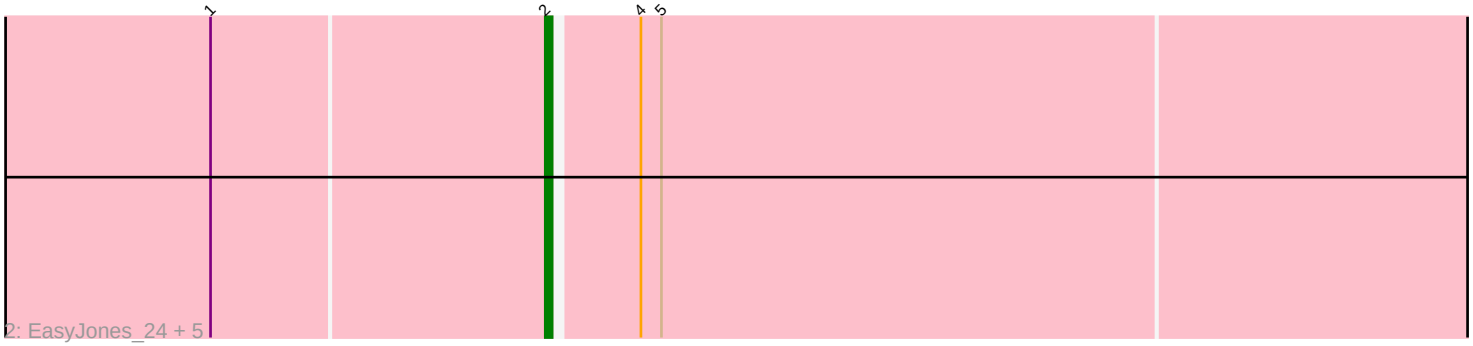
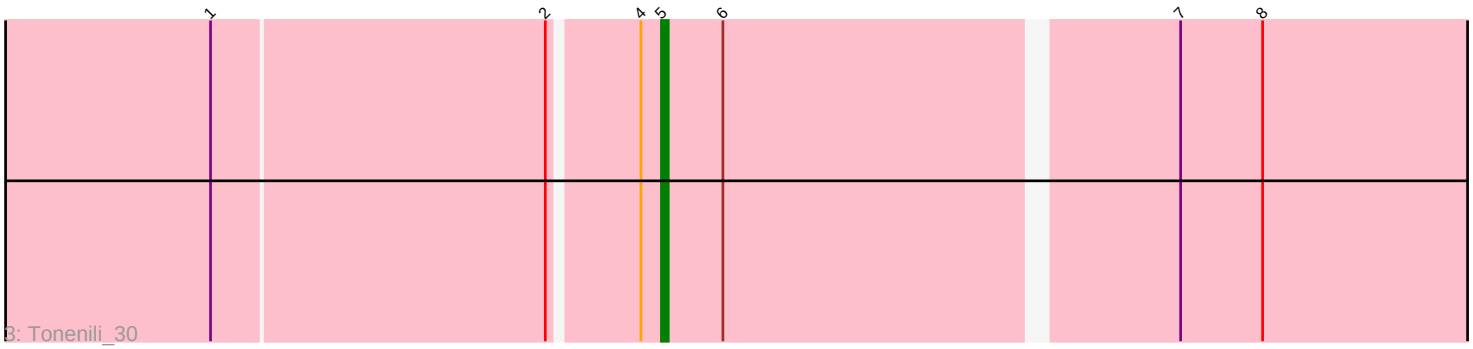
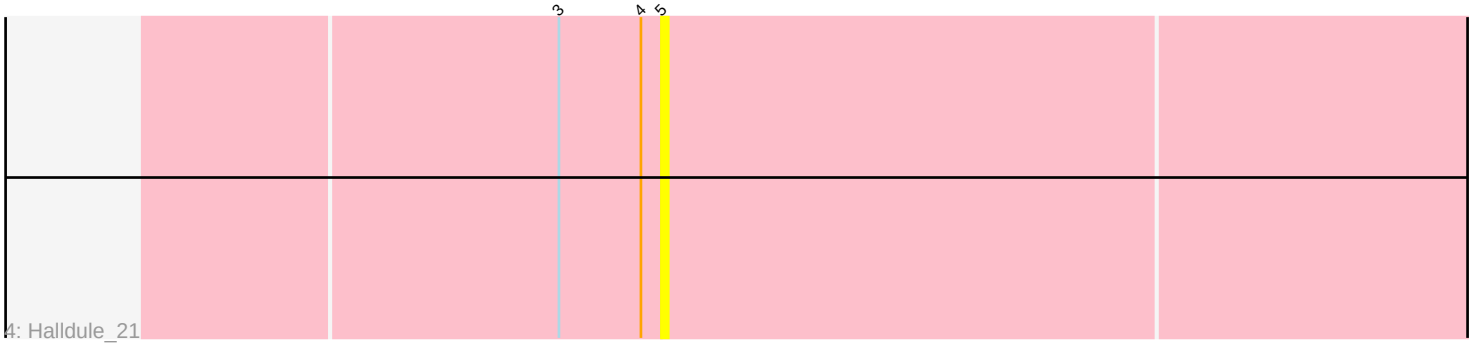
Pham 203441


1
2
4
5
1: Asterius_23 + 5


1
2
4
5
2: EasyJones_24 + 5


1
2
4
5
6
7
8
3: Tonenili_30


3
4
5
4: Halldule_21

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 203441 Report

This analysis was run 01/18/25 on database version 583.

Pham number 203441 has 14 members, 7 are drafts.

Phages represented in each track:
• Track 1 : Asterius_23, Blackdragon_20, JulietS_20, Belieber_21, Spec_22, Lethe_24
• Track 2 : EasyJones_24, Phox_24, Sprinklers_25, BackyardAgain_22, Turret_23, Sebata_25
• Track 3 : Tonenili_30
• Track 4 : Halldule_21

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 6 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BackyardAgain_22, EasyJones_24, Phox_24, Sebata_25, Sprinklers_25, Turret_23,

Genes that have the "Most Annotated" start but do not call it:
• Asterius_23, Belieber_21, Blackdragon_20, JulietS_20, Lethe_24, Spec_22, Tonenili_30,

Genes that do not have the "Most Annotated" start:
• Halldule_21,

Summary by start number:

Start 2:
• Found in 13 of 14 (92.9%) of genes in pham
• Manual Annotations of this start: 6 of 7
• Called 46.2% of time when present
• Phage (with cluster) where this start called: BackyardAgain_22 (C1), EasyJones_24 (C1), Phox_24 (C1), Sebata_25 (C1), Sprinklers_25 (C1), Turret_23 (C1),

Start 5:
• Found in 14 of 14 (100.0%) of genes in pham
• Manual Annotations of this start: 1 of 7

• Called 57.1% of time when present
• Phage (with cluster) where this start called: Asterius_23 (C1), Belieber_21 (C1), Blackdragon_20 (C1), Halldule_21 (C1), JulietS_20 (C1), Lethe_24 (C1), Spec_22 (C1), Tonenili_30 (C1),

Summary by clusters:

There is one cluster represented in this pham: C1

Info for manual annotations of cluster C1:
•Start number 2 was manually annotated 6 times for cluster C1.
•Start number 5 was manually annotated 1 time for cluster C1.

Gene Information:

Gene: Asterius_23 Start: 8058, Stop: 8342, Start Num: 5
Candidate Starts for Asterius_23:
(1, 7995), (Start: 2 @8043 has 6 MA's), (4, 8055), (Start: 5 @8058 has 1 MA's),

Gene: BackyardAgain_22 Start: 7200, Stop: 7499, Start Num: 2
Candidate Starts for BackyardAgain_22:
(1, 7152), (Start: 2 @7200 has 6 MA's), (4, 7212), (Start: 5 @7215 has 1 MA's),

Gene: Belieber_21 Start: 6975, Stop: 7259, Start Num: 5
Candidate Starts for Belieber_21:
(1, 6912), (Start: 2 @6960 has 6 MA's), (4, 6972), (Start: 5 @6975 has 1 MA's),

Gene: Blackdragon_20 Start: 6822, Stop: 7106, Start Num: 5
Candidate Starts for Blackdragon_20:
(1, 6759), (Start: 2 @6807 has 6 MA's), (4, 6819), (Start: 5 @6822 has 1 MA's),

Gene: EasyJones_24 Start: 6941, Stop: 7240, Start Num: 2
Candidate Starts for EasyJones_24:
(1, 6893), (Start: 2 @6941 has 6 MA's), (4, 6953), (Start: 5 @6956 has 1 MA's),

Gene: Halldule_21 Start: 6575, Stop: 6859, Start Num: 5
Candidate Starts for Halldule_21:
(3, 6560), (4, 6572), (Start: 5 @6575 has 1 MA's),

Gene: JulietS_20 Start: 6200, Stop: 6484, Start Num: 5
Candidate Starts for JulietS_20:
(1, 6137), (Start: 2 @6185 has 6 MA's), (4, 6197), (Start: 5 @6200 has 1 MA's),

Gene: Lethe_24 Start: 8025, Stop: 8309, Start Num: 5
Candidate Starts for Lethe_24:
(1, 7962), (Start: 2 @8010 has 6 MA's), (4, 8022), (Start: 5 @8025 has 1 MA's),

Gene: Phox_24 Start: 8475, Stop: 8774, Start Num: 2
Candidate Starts for Phox_24:
(1, 8427), (Start: 2 @8475 has 6 MA's), (4, 8487), (Start: 5 @8490 has 1 MA's),

Gene: Sebata_25 Start: 8661, Stop: 8960, Start Num: 2
Candidate Starts for Sebata_25:
(1, 8613), (Start: 2 @8661 has 6 MA's), (4, 8673), (Start: 5 @8676 has 1 MA's),

Gene: Spec_22 Start: 7254, Stop: 7538, Start Num: 5
Candidate Starts for Spec_22:
(1, 7191), (Start: 2 @7239 has 6 MA's), (4, 7251), (Start: 5 @7254 has 1 MA's),

Gene: Sprinklers_25 Start: 7800, Stop: 8099, Start Num: 2
Candidate Starts for Sprinklers_25:
(1, 7752), (Start: 2 @7800 has 6 MA's), (4, 7812), (Start: 5 @7815 has 1 MA's),

Gene: Tonenili_30 Start: 9490, Stop: 9759, Start Num: 5
Candidate Starts for Tonenili_30:
(1, 9427), (Start: 2 @9475 has 6 MA's), (4, 9487), (Start: 5 @9490 has 1 MA's), (6, 9499), (7, 9562), (8, 9574),

Gene: Turret_23 Start: 6939, Stop: 7238, Start Num: 2
Candidate Starts for Turret_23:
(1, 6891), (Start: 2 @6939 has 6 MA's), (4, 6951), (Start: 5 @6954 has 1 MA's),