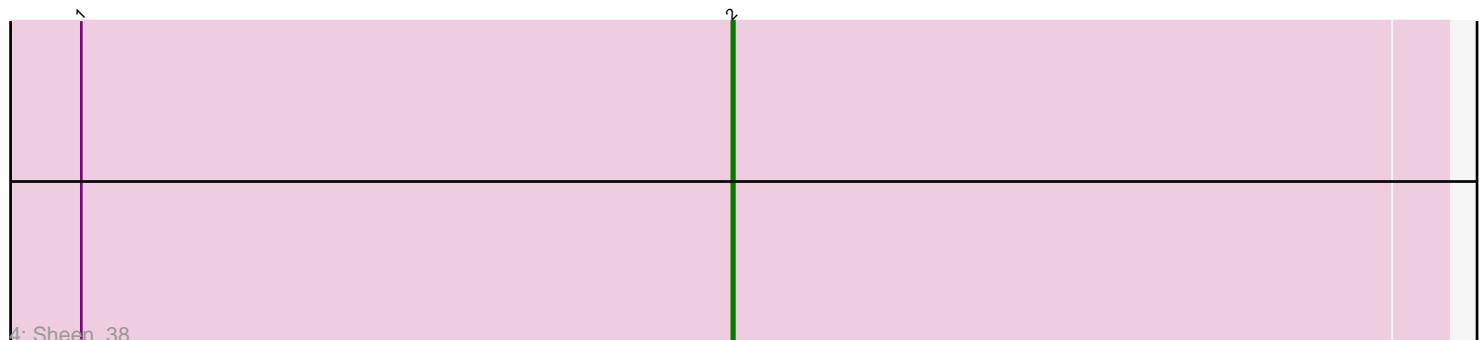# Pham 280898

1: Lambert1_39 + 14

2: Toro_38 + 1

3: FlyCatcher_43 + 1

4: Sheen_38
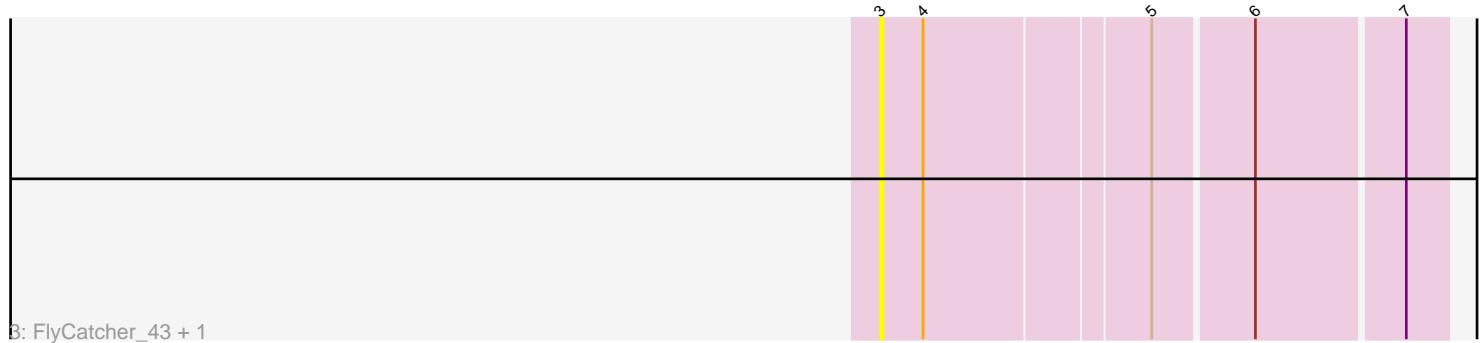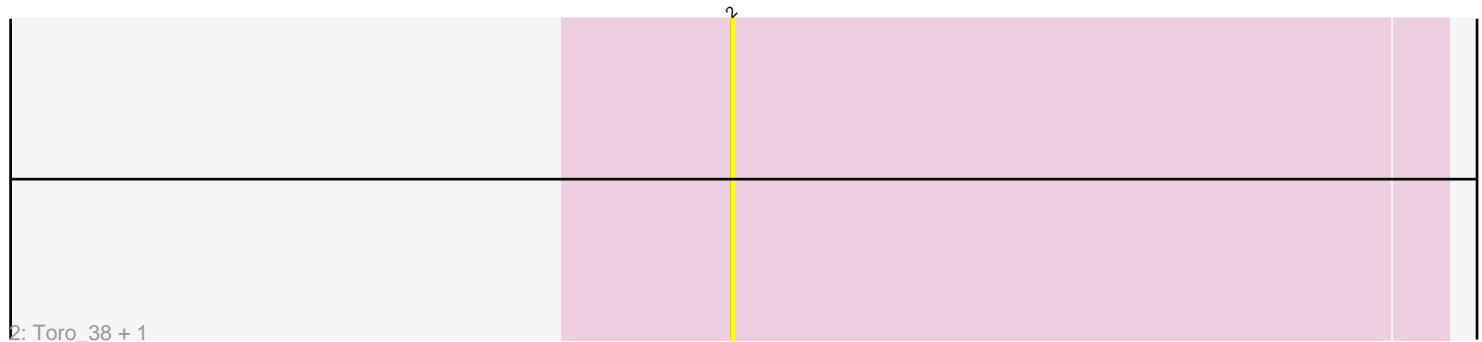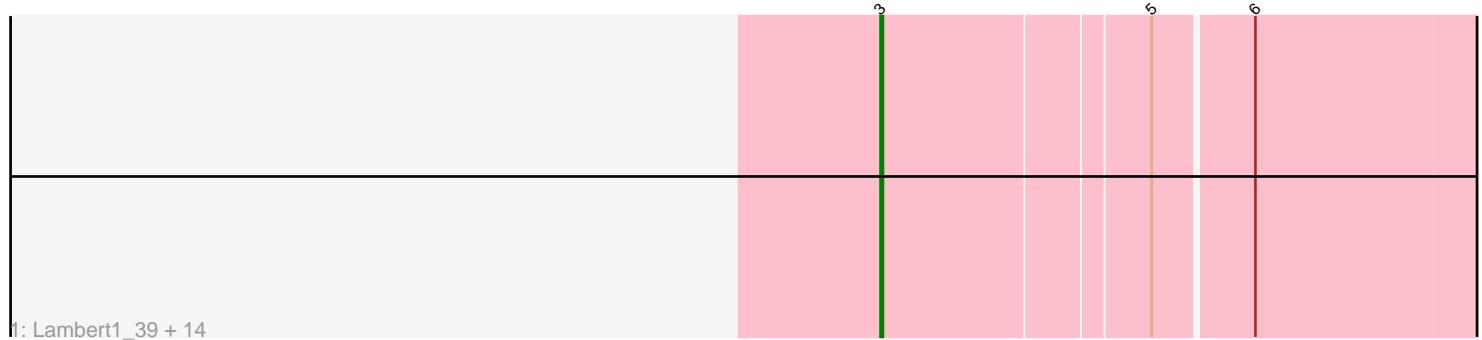
Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly 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 280898 Report

This analysis was run 02/07/26 on database version 634.

Pham number 280898 has 20 members, 5 are drafts.

Phages represented in each track:
• Track 1 : Lambert1_39, EtoileNova_40, Caviar_39, QuinnKiro_38, Panamaxus_37, Hookmount_39, ResDef_39, Pocahontas_39, Popcicle_39, Noella_39, Margo_39, Veracruz_38, Todacoro_39, Texage_38, Norbert_38
• Track 2 : Toro_38, FlyCatcher_40
• Track 3 : FlyCatcher_43, Toro_41
• Track 4 : Sheen_38

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

The start number called the most often in the published annotations is 3, it was called in 14 of the 15 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Caviar_39, EtoileNova_40, FlyCatcher_43, Hookmount_39, Lambert1_39, Margo_39, Noella_39, Norbert_38, Panamaxus_37, Pocahontas_39, Popcicle_39, QuinnKiro_38, ResDef_39, Texage_38, Todacoro_39, Toro_41, Veracruz_38,

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

Genes that do not have the "Most Annotated" start:
• FlyCatcher_40, Sheen_38, Toro_38,

Summary by start number:

Start 2:
• Found in 3 of 20 (15.0%) of genes in pham
• Manual Annotations of this start: 1 of 15
• Called 100.0% of time when present
• Phage (with cluster) where this start called: FlyCatcher_40 (A7), Sheen_38 (A7), Toro_38 (A7),

Start 3:
• Found in 17 of 20 (85.0%) of genes in pham

• Manual Annotations of this start: 14 of 15
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Caviar_39 (A3), EtoileNova_40 (A3), FlyCatcher_43 (A7), Hookmount_39 (A3), Lambert1_39 (A3), Margo_39 (A3), Noella_39 (A3), Norbert_38 (A3), Panamaxus_37 (A3), Pocahontas_39 (A3), Popcicle_39 (A3), QuinnKiro_38 (A3), ResDef_39 (A3), Texage_38 (A3), Todacoro_39 (A3), Toro_41 (A7), Veracruz_38 (A3),

Summary by clusters:

There are 2 clusters represented in this pham: A3, A7,

Info for manual annotations of cluster A3:
•Start number 3 was manually annotated 14 times for cluster A3.

Info for manual annotations of cluster A7:
•Start number 2 was manually annotated 1 time for cluster A7.

Gene Information:

Gene: Caviar_39 Start: 28759, Stop: 28520, Start Num: 3
Candidate Starts for Caviar_39:
(Start: 3 @28759 has 14 MA's), (5, 28651), (6, 28612),

Gene: EtoileNova_40 Start: 28763, Stop: 28524, Start Num: 3
Candidate Starts for EtoileNova_40:
(Start: 3 @28763 has 14 MA's), (5, 28655), (6, 28616),

Gene: FlyCatcher_43 Start: 30738, Stop: 30514, Start Num: 3
Candidate Starts for FlyCatcher_43:
(Start: 3 @30738 has 14 MA's), (4, 30720), (5, 30630), (6, 30591), (7, 30531),

Gene: FlyCatcher_40 Start: 30159, Stop: 29860, Start Num: 2
Candidate Starts for FlyCatcher_40:
(Start: 2 @30159 has 1 MA's),

Gene: Hookmount_39 Start: 28760, Stop: 28521, Start Num: 3
Candidate Starts for Hookmount_39:
(Start: 3 @28760 has 14 MA's), (5, 28652), (6, 28613),

Gene: Lambert1_39 Start: 28759, Stop: 28520, Start Num: 3
Candidate Starts for Lambert1_39:
(Start: 3 @28759 has 14 MA's), (5, 28651), (6, 28612),

Gene: Margo_39 Start: 28785, Stop: 28546, Start Num: 3
Candidate Starts for Margo_39:
(Start: 3 @28785 has 14 MA's), (5, 28677), (6, 28638),

Gene: Noella_39 Start: 28760, Stop: 28521, Start Num: 3
Candidate Starts for Noella_39:
(Start: 3 @28760 has 14 MA's), (5, 28652), (6, 28613),

Gene: Norbert_38 Start: 28759, Stop: 28520, Start Num: 3
Candidate Starts for Norbert_38:
(Start: 3 @28759 has 14 MA's), (5, 28651), (6, 28612),

Gene: Panamaxus_37 Start: 28759, Stop: 28520, Start Num: 3
Candidate Starts for Panamaxus_37:
(Start: 3 @28759 has 14 MA's), (5, 28651), (6, 28612),

Gene: Pocahontas_39 Start: 28756, Stop: 28517, Start Num: 3
Candidate Starts for Pocahontas_39:
(Start: 3 @28756 has 14 MA's), (5, 28648), (6, 28609),

Gene: Popcicle_39 Start: 28756, Stop: 28517, Start Num: 3
Candidate Starts for Popcicle_39:
(Start: 3 @28756 has 14 MA's), (5, 28648), (6, 28609),

Gene: QuinnKiro_38 Start: 28759, Stop: 28520, Start Num: 3
Candidate Starts for QuinnKiro_38:
(Start: 3 @28759 has 14 MA's), (5, 28651), (6, 28612),

Gene: ResDef_39 Start: 28759, Stop: 28520, Start Num: 3
Candidate Starts for ResDef_39:
(Start: 3 @28759 has 14 MA's), (5, 28651), (6, 28612),

Gene: Sheen_38 Start: 30232, Stop: 29933, Start Num: 2
Candidate Starts for Sheen_38:
(1, 30508), (Start: 2 @30232 has 1 MA's),

Gene: Texage_38 Start: 28760, Stop: 28521, Start Num: 3
Candidate Starts for Texage_38:
(Start: 3 @28760 has 14 MA's), (5, 28652), (6, 28613),

Gene: Todacoro_39 Start: 28759, Stop: 28520, Start Num: 3
Candidate Starts for Todacoro_39:
(Start: 3 @28759 has 14 MA's), (5, 28651), (6, 28612),

Gene: Toro_38 Start: 30159, Stop: 29860, Start Num: 2
Candidate Starts for Toro_38:
(Start: 2 @30159 has 1 MA's),

Gene: Toro_41 Start: 30738, Stop: 30514, Start Num: 3
Candidate Starts for Toro_41:
(Start: 3 @30738 has 14 MA's), (4, 30720), (5, 30630), (6, 30591), (7, 30531),

Gene: Veracruz_38 Start: 28759, Stop: 28520, Start Num: 3
Candidate Starts for Veracruz_38:
(Start: 3 @28759 has 14 MA's), (5, 28651), (6, 28612),