Pham 6815
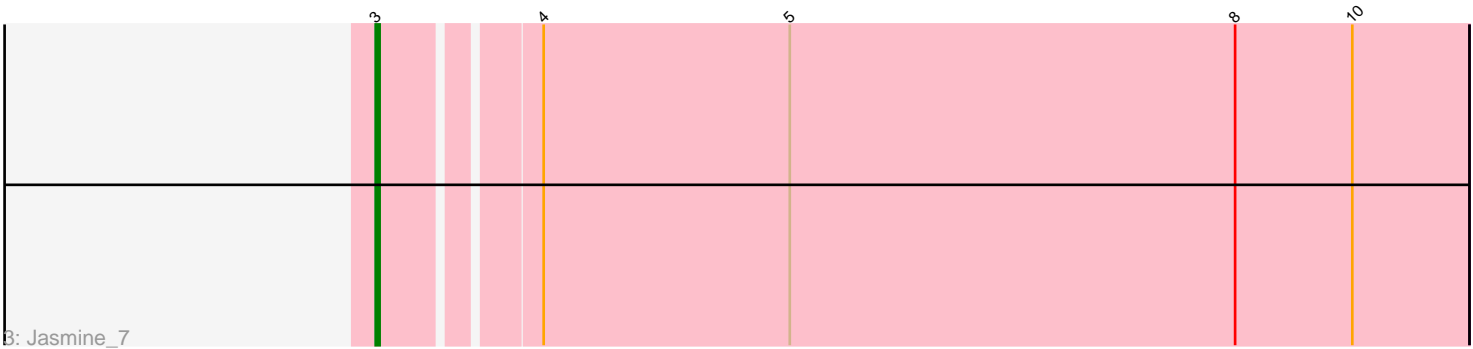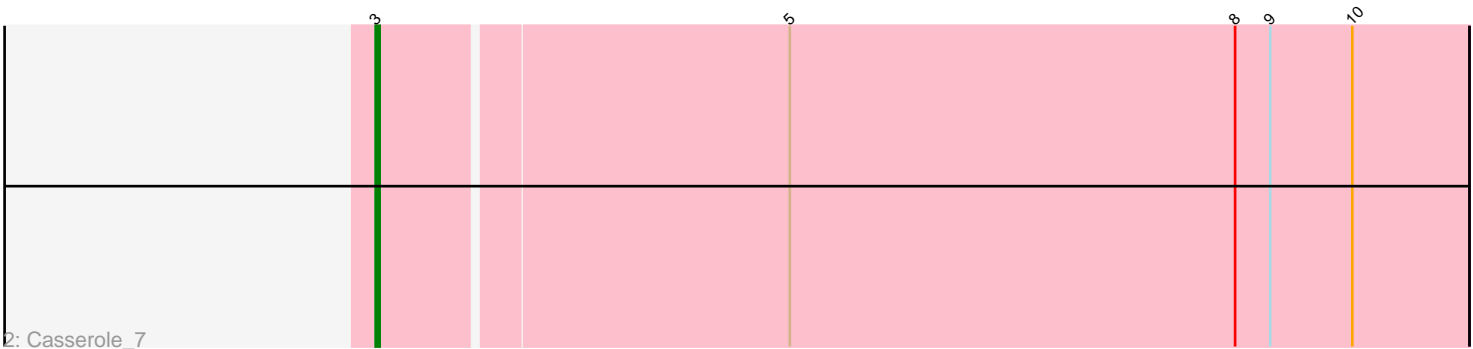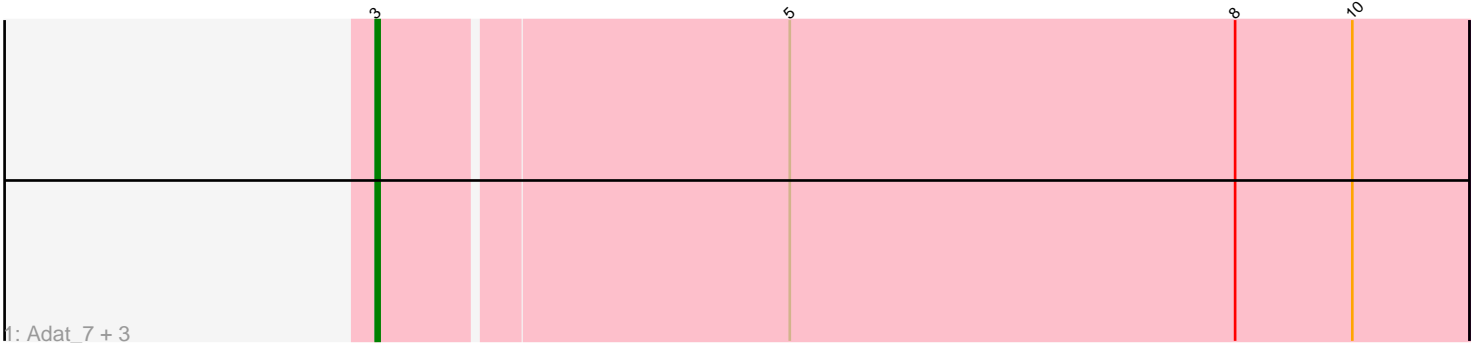

1: Adat_7 + 3

2: Casserole_7

3: Jasmine_7

4: Shocker_16

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 6815 Report

This analysis was run 04/28/24 on database version 559.

Pham number 6815 has 7 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Adat_7, Brad_7, Nellie_7, GurgleFerb_7
• Track 2 : Casserole_7
• Track 3 : Jasmine_7
• Track 4 : Shocker_16

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

Genes that call this "Most Annotated" start:
• Adat_7, Brad_7, Casserole_7, GurgleFerb_7, Jasmine_7, Nellie_7,

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

Genes that do not have the "Most Annotated" start:
• Shocker_16,

Summary by start number:

Start 2:
• Found in 1 of 7 (14.3%) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Shocker_16 (singleton),

Start 3:
• Found in 6 of 7 (85.7%) of genes in pham
• Manual Annotations of this start: 6 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Adat_7 (AV), Brad_7 (AV), Casserole_7 (AV), GurgleFerb_7 (AV), Jasmine_7 (AV), Nellie_7 (AV),

Summary by clusters:

There are 2 clusters represented in this pham: singleton, AV,

Info for manual annotations of cluster AV:
•Start number 3 was manually annotated 6 times for cluster AV.

Gene Information:
Gene: Adat_7 Start: 3718, Stop: 3993, Start Num: 3
Candidate Starts for Adat_7:
(Start: 3 @3718 has 6 MA's), (5, 3820), (8, 3934), (10, 3964),

Gene: Brad_7 Start: 3716, Stop: 3991, Start Num: 3
Candidate Starts for Brad_7:
(Start: 3 @3716 has 6 MA's), (5, 3818), (8, 3932), (10, 3962),

Gene: Casserole_7 Start: 3842, Stop: 4117, Start Num: 3
Candidate Starts for Casserole_7:
(Start: 3 @3842 has 6 MA's), (5, 3944), (8, 4058), (9, 4067), (10, 4088),

Gene: GurgleFerb_7 Start: 3717, Stop: 3992, Start Num: 3
Candidate Starts for GurgleFerb_7:
(Start: 3 @3717 has 6 MA's), (5, 3819), (8, 3933), (10, 3963),

Gene: Jasmine_7 Start: 3648, Stop: 3920, Start Num: 3
Candidate Starts for Jasmine_7:
(Start: 3 @3648 has 6 MA's), (4, 3684), (5, 3747), (8, 3861), (10, 3891),

Gene: Nellie_7 Start: 3718, Stop: 3993, Start Num: 3
Candidate Starts for Nellie_7:
(Start: 3 @3718 has 6 MA's), (5, 3820), (8, 3934), (10, 3964),

Gene: Shocker_16 Start: 6505, Stop: 6801, Start Num: 2
Candidate Starts for Shocker_16:
(1, 6457), (Start: 2 @6505 has 1 MA's), (6, 6688), (7, 6706), (9, 6751),