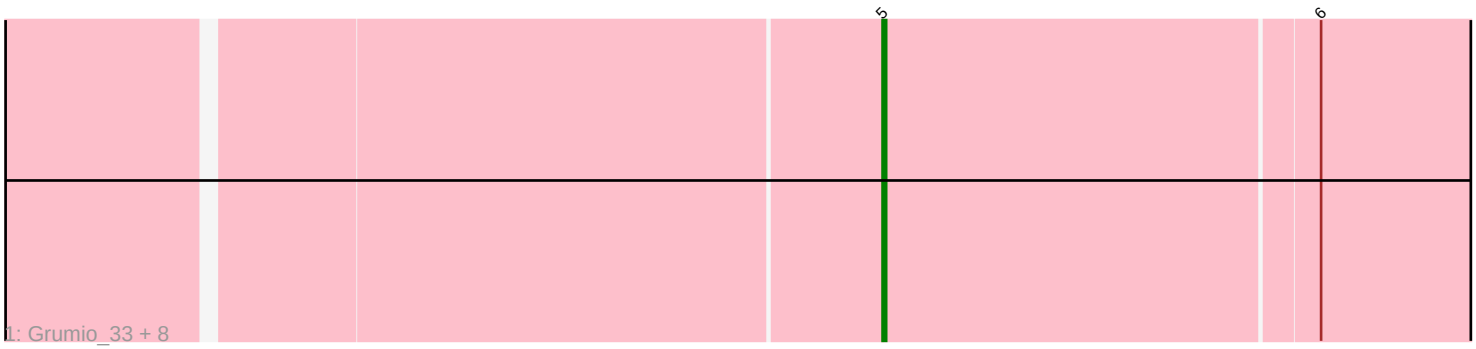
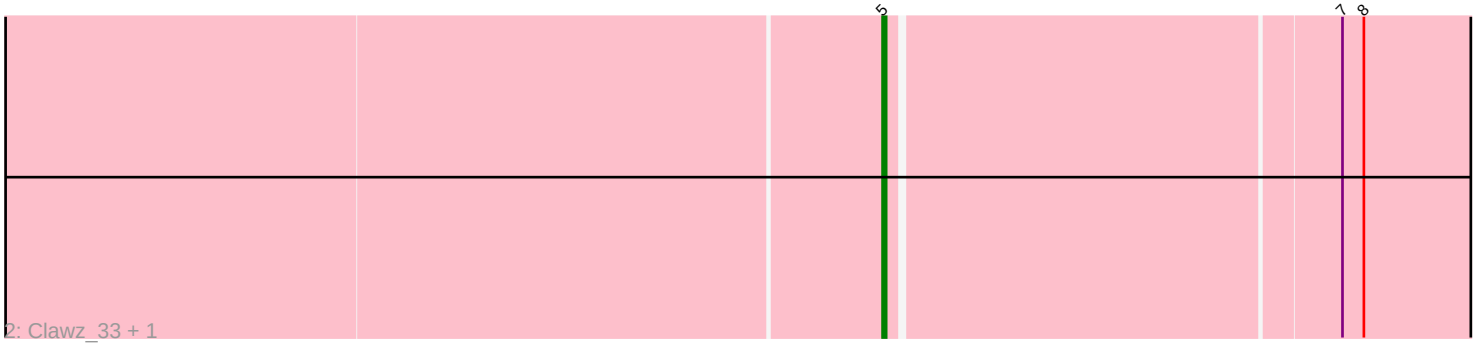
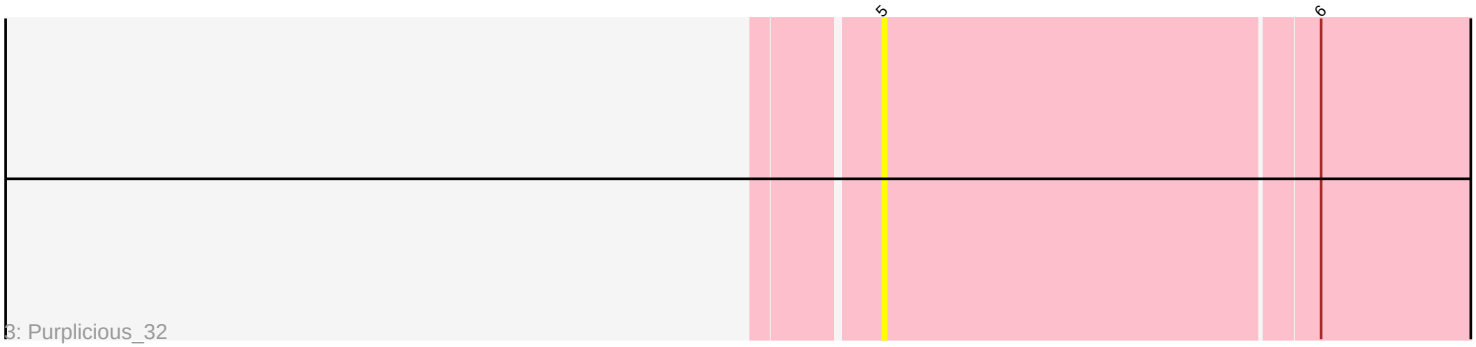
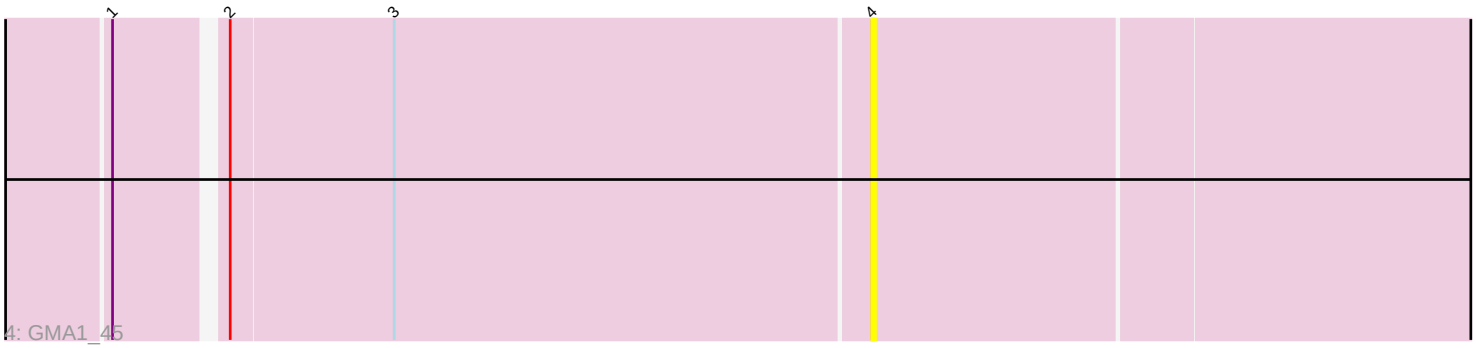
Pham 335438


5
6
1: Grumio_33 + 8


5
7
8
2: Clawz_33 + 1


5
6
3: Purplicious_32


1
2
3
4
4: GMA1_45

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 335438 Report

This analysis was run 11/14/26 on database version 672.

Pham number 335438 has 13 members, 6 are drafts.

Phages represented in each track:
• Track 1 : Grumio_33, Sting_32, ColdSoup_34, DonTron_33, Stillion_32, Jollymon_33, Soos_30, Amo99_34, KingstonB_31
• Track 2 : Clawz_33, Makar_34
• Track 3 : Purplicious_32
• Track 4 : GMA1_45

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

The start number called the most often in the published annotations is 5, it was called in 7 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Amo99_34, Clawz_33, ColdSoup_34, DonTron_33, Grumio_33, Jollymon_33, KingstonB_31, Makar_34, Purplicious_32, Soos_30, Stillion_32, Sting_32,

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

Genes that do not have the "Most Annotated" start:
• GMA1_45,

Summary by start number:

Start 4:
• Found in 1 of 13 (7.7%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: GMA1_45 (singleton),

Start 5:
• Found in 12 of 13 (92.3%) of genes in pham
• Manual Annotations of this start: 7 of 7
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Amo99_34 (CP), Clawz_33 (CP), ColdSoup_34 (CP), DonTron_33 (CP), Grumio_33 (CP), Jollymon_33 (CP), KingstonB_31 (CP), Makar_34 (CP), Purplicious_32 (CP), Soos_30 (CP), Stillion_32 (CP), Sting_32 (CP),

Summary by clusters:

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

Info for manual annotations of cluster CP:
•Start number 5 was manually annotated 7 times for cluster CP.

Gene Information:

Gene: Amo99_34 Start: 16225, Stop: 16419, Start Num: 5
Candidate Starts for Amo99_34:
(Start: 5 @16225 has 7 MA's), (6, 16345),

Gene: Clawz_33 Start: 16116, Stop: 16307, Start Num: 5
Candidate Starts for Clawz_33:
(Start: 5 @16116 has 7 MA's), (7, 16239), (8, 16245),

Gene: ColdSoup_34 Start: 16225, Stop: 16419, Start Num: 5
Candidate Starts for ColdSoup_34:
(Start: 5 @16225 has 7 MA's), (6, 16345),

Gene: DonTron_33 Start: 16295, Stop: 16489, Start Num: 5
Candidate Starts for DonTron_33:
(Start: 5 @16295 has 7 MA's), (6, 16415),

Gene: GMA1_45 Start: 29719, Stop: 29916, Start Num: 4
Candidate Starts for GMA1_45:
(1, 29515), (2, 29542), (3, 29587), (4, 29719),

Gene: Grumio_33 Start: 15733, Stop: 15927, Start Num: 5
Candidate Starts for Grumio_33:
(Start: 5 @15733 has 7 MA's), (6, 15853),

Gene: Jollymon_33 Start: 16225, Stop: 16419, Start Num: 5
Candidate Starts for Jollymon_33:
(Start: 5 @16225 has 7 MA's), (6, 16345),

Gene: KingstonB_31 Start: 15733, Stop: 15927, Start Num: 5
Candidate Starts for KingstonB_31:
(Start: 5 @15733 has 7 MA's), (6, 15853),

Gene: Makar_34 Start: 16188, Stop: 16379, Start Num: 5
Candidate Starts for Makar_34:
(Start: 5 @16188 has 7 MA's), (7, 16311), (8, 16317),

Gene: Purplicious_32 Start: 15579, Stop: 15773, Start Num: 5

Candidate Starts for Purplicious_32:
(Start: 5 @15579 has 7 MA's), (6, 15699),

Gene: Soos_30 Start: 15567, Stop: 15761, Start Num: 5
Candidate Starts for Soos_30:
(Start: 5 @15567 has 7 MA's), (6, 15687),

Gene: Stillion_32 Start: 16047, Stop: 16241, Start Num: 5
Candidate Starts for Stillion_32:
(Start: 5 @16047 has 7 MA's), (6, 16167),

Gene: Sting_32 Start: 15901, Stop: 16095, Start Num: 5
Candidate Starts for Sting_32:
(Start: 5 @15901 has 7 MA's), (6, 16021),