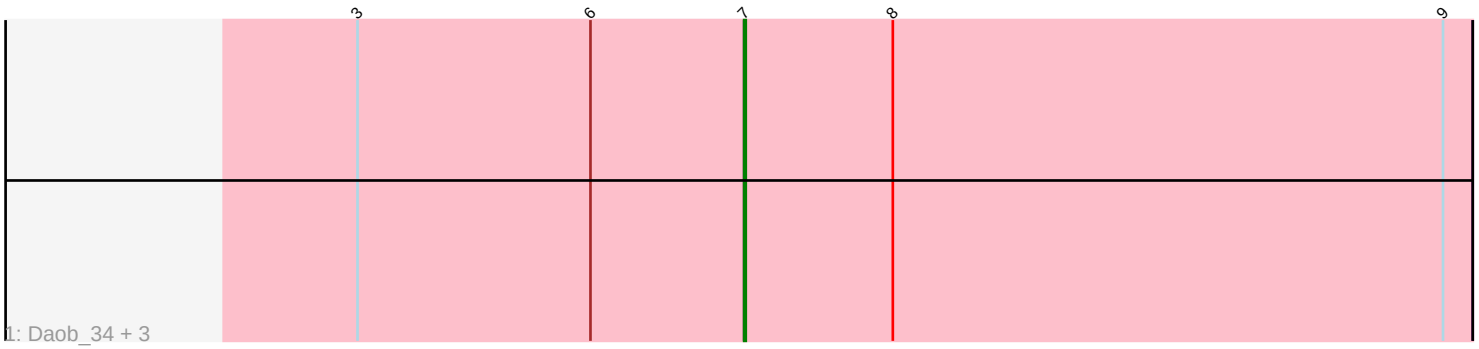
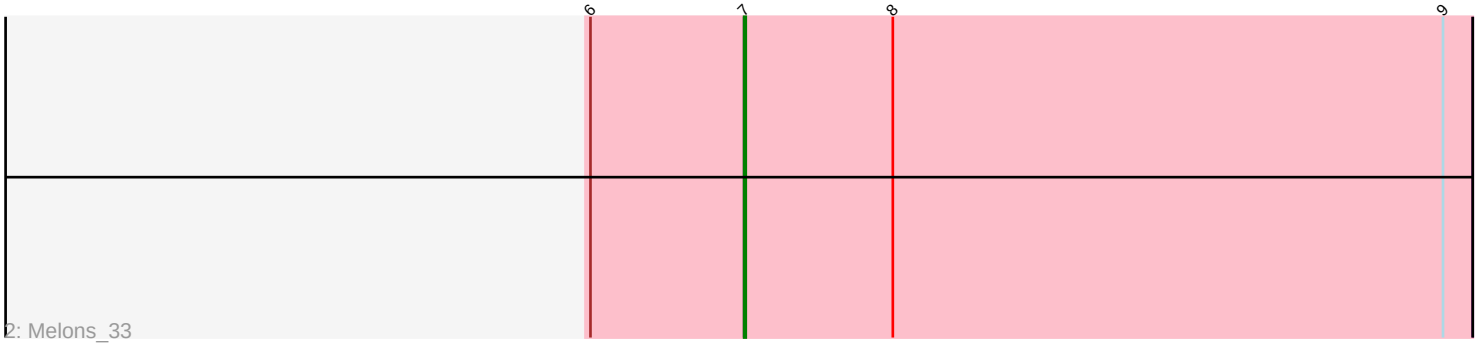
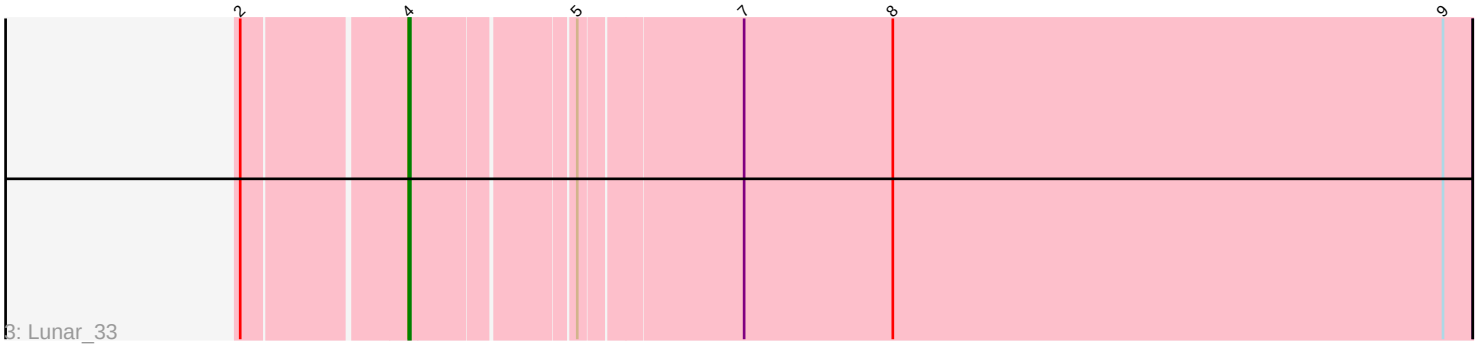
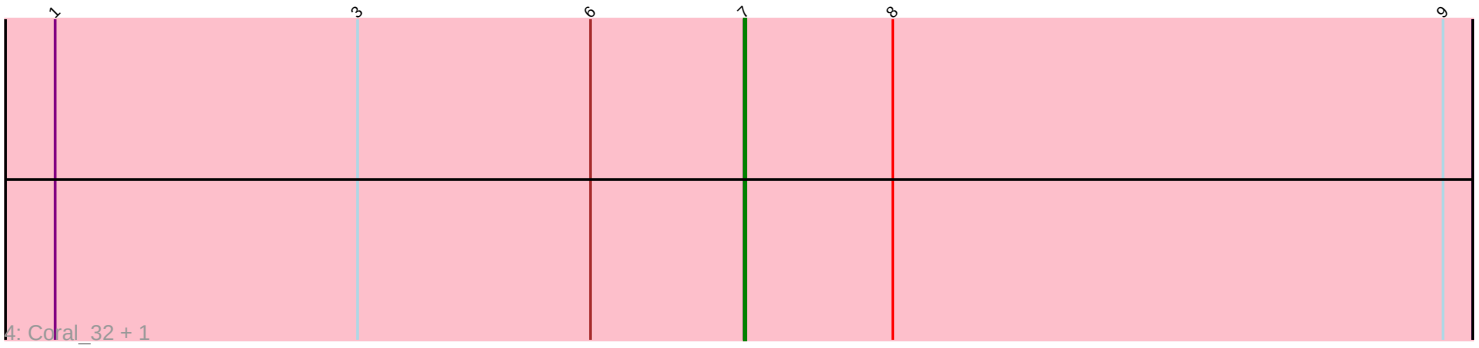
Pham 200909


3
6
7
8
9
1: Daob_34 + 3


6
7
8
9
2: Melons_33


2
4
5
7
8
9
3: Lunar_33


1
3
6
7
8
9
4: Coral_32 + 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 200909 Report

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

Pham number 200909 has 8 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Daob_34, Amelia_33, Kepler_33, HannahPhantana_33
• Track 2 : Melons_33
• Track 3 : Lunar_33
• Track 4 : Coral_32, Cote_34

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

The start number called the most often in the published annotations is 7, it was called in 7 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Amelia_33, Coral_32, Cote_34, Daob_34, HannahPhantana_33, Kepler_33, Melons_33,

Genes that have the "Most Annotated" start but do not call it:
• Lunar_33,

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

Summary by start number:

Start 4:
• Found in 1 of 8 (12.5%) of genes in pham
• Manual Annotations of this start: 1 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Lunar_33 (AS2),

Start 7:
• Found in 8 of 8 (100.0%) of genes in pham
• Manual Annotations of this start: 7 of 8
• Called 87.5% of time when present
• Phage (with cluster) where this start called: Amelia_33 (AS2), Coral_32 (AS2), Cote_34 (AS2), Daob_34 (AS2), HannahPhantana_33 (AS2), Kepler_33 (AS2),

Melons_33 (AS2),

Summary by clusters:

There is one cluster represented in this pham: AS2

Info for manual annotations of cluster AS2:
•Start number 4 was manually annotated 1 time for cluster AS2.
•Start number 7 was manually annotated 7 times for cluster AS2.

Gene Information:

Gene: Amelia_33 Start: 21955, Stop: 21515, Start Num: 7
Candidate Starts for Amelia_33:
(3, 22189), (6, 22048), (Start: 7 @21955 has 7 MA's), (8, 21865), (9, 21532),

Gene: Coral_32 Start: 21794, Stop: 21354, Start Num: 7
Candidate Starts for Coral_32:
(1, 22211), (3, 22028), (6, 21887), (Start: 7 @21794 has 7 MA's), (8, 21704), (9, 21371),

Gene: Cote_34 Start: 22271, Stop: 21831, Start Num: 7
Candidate Starts for Cote_34:
(1, 22688), (3, 22505), (6, 22364), (Start: 7 @22271 has 7 MA's), (8, 22181), (9, 21848),

Gene: Daob_34 Start: 22289, Stop: 21849, Start Num: 7
Candidate Starts for Daob_34:
(3, 22523), (6, 22382), (Start: 7 @22289 has 7 MA's), (8, 22199), (9, 21866),

Gene: HannahPhantana_33 Start: 21951, Stop: 21511, Start Num: 7
Candidate Starts for HannahPhantana_33:
(3, 22185), (6, 22044), (Start: 7 @21951 has 7 MA's), (8, 21861), (9, 21528),

Gene: Kepler_33 Start: 22238, Stop: 21798, Start Num: 7
Candidate Starts for Kepler_33:
(3, 22472), (6, 22331), (Start: 7 @22238 has 7 MA's), (8, 22148), (9, 21815),

Gene: Lunar_33 Start: 22122, Stop: 21499, Start Num: 4
Candidate Starts for Lunar_33:
(2, 22215), (Start: 4 @22122 has 1 MA's), (5, 22032), (Start: 7 @21939 has 7 MA's), (8, 21849), (9, 21516),

Gene: Melons_33 Start: 21939, Stop: 21499, Start Num: 7
Candidate Starts for Melons_33:
(6, 22032), (Start: 7 @21939 has 7 MA's), (8, 21849), (9, 21516),