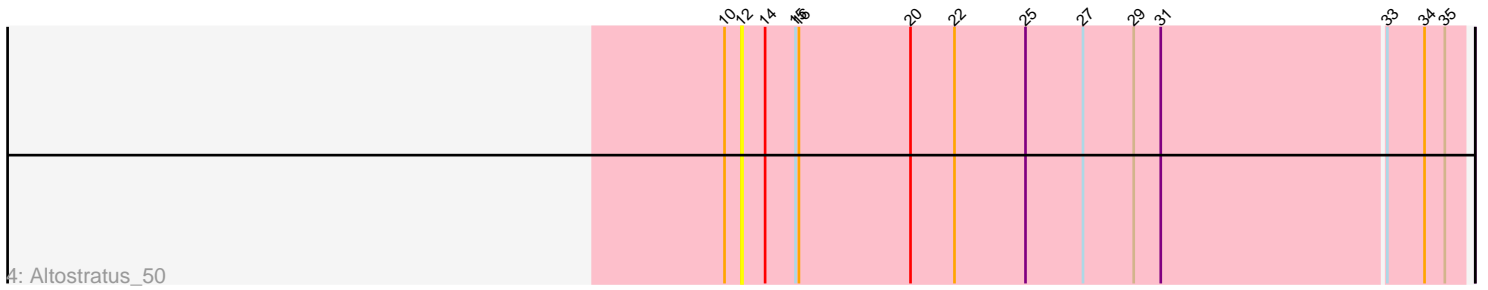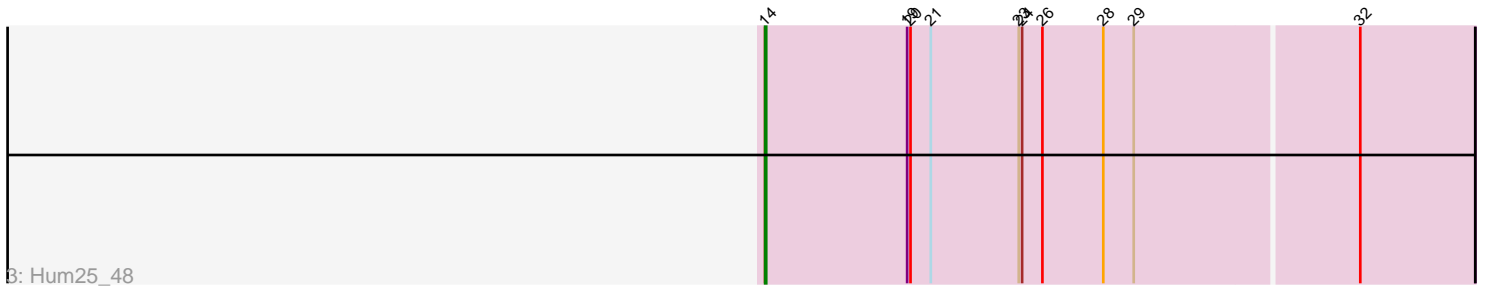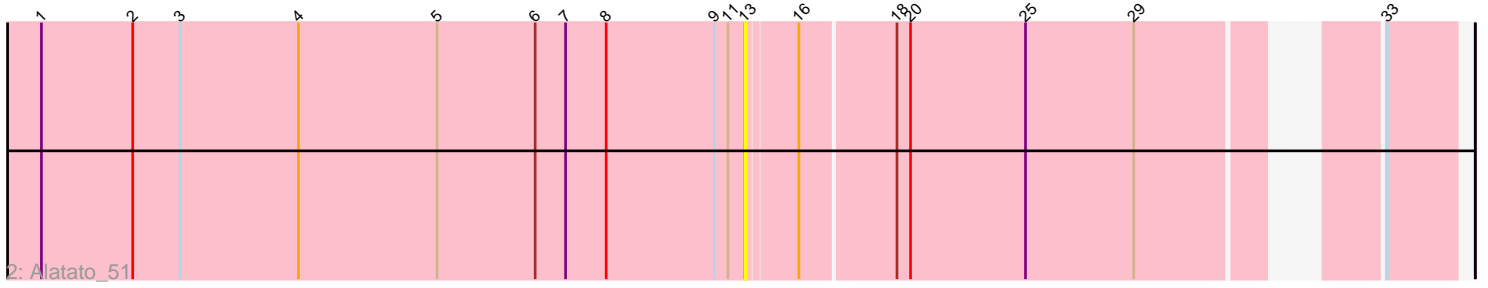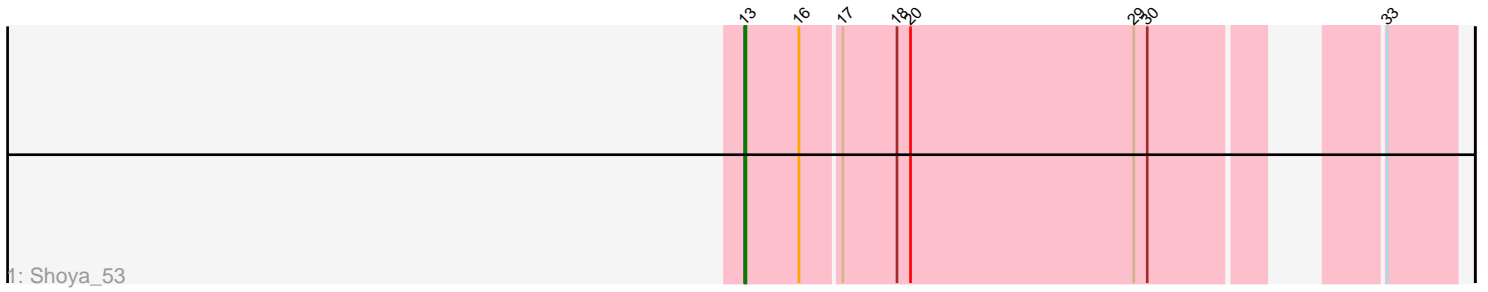# Pham 198785

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 198785 Report

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

Pham number 198785 has 5 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Shoya_53
• Track 2 : Alatato_51
• Track 3 : Hum25_48
• Track 4 : Altostratus_50
• Track 5 : Khuang_51

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

The start number called the most often in the published annotations is 13, it was called in 1 of the 2 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Alatato_51, Shoya_53,

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

Genes that do not have the "Most Annotated" start:
• Altostratus_50, Hum25_48, Khuang_51,

Summary by start number:

Start 12:
• Found in 2 of 5 (40.0%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Altostratus_50 (FS), Khuang_51 (FS),

Start 13:
• Found in 2 of 5 (40.0%) of genes in pham
• Manual Annotations of this start: 1 of 2
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Alatato_51 (FB), Shoya_53 (FB),

Start 14:
• Found in 3 of 5 (60.0%) of genes in pham
• Manual Annotations of this start: 1 of 2
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Hum25_48 (FQ),

Summary by clusters:

There are 3 clusters represented in this pham: FQ, FB, FS,

Info for manual annotations of cluster FB:
•Start number 13 was manually annotated 1 time for cluster FB.

Info for manual annotations of cluster FQ:
•Start number 14 was manually annotated 1 time for cluster FQ.

Gene Information:

Gene: Alatato_51 Start: 30120, Stop: 30674, Start Num: 13
Candidate Starts for Alatato_51:
(1, 29496), (2, 29577), (3, 29619), (4, 29724), (5, 29847), (6, 29934), (7, 29961), (8, 29997), (9, 30093), (11, 30105), (Start: 13 @30120 has 1 MA's), (16, 30162), (18, 30243), (20, 30255), (25, 30357), (29, 30453), (33, 30615),

Gene: Altostratus_50 Start: 29882, Stop: 30517, Start Num: 12
Candidate Starts for Altostratus_50:
(10, 29867), (12, 29882), (Start: 14 @29903 has 1 MA's), (15, 29930), (16, 29933), (20, 30032), (22, 30071), (25, 30134), (27, 30185), (29, 30230), (31, 30254), (33, 30449), (34, 30482), (35, 30500),

Gene: Hum25_48 Start: 28280, Stop: 28900, Start Num: 14
Candidate Starts for Hum25_48:
(Start: 14 @28280 has 1 MA's), (19, 28406), (20, 28409), (21, 28427), (23, 28505), (24, 28508), (26, 28526), (28, 28580), (29, 28607), (32, 28799),

Gene: Khuang_51 Start: 30078, Stop: 30713, Start Num: 12
Candidate Starts for Khuang_51:
(12, 30078), (Start: 14 @30099 has 1 MA's), (15, 30126), (16, 30129), (20, 30228), (22, 30267), (25, 30330), (27, 30381), (29, 30426), (33, 30645), (34, 30678), (35, 30696),

Gene: Shoya_53 Start: 30081, Stop: 30641, Start Num: 13
Candidate Starts for Shoya_53:
(Start: 13 @30081 has 1 MA's), (16, 30129), (17, 30162), (18, 30210), (20, 30222), (29, 30420), (30, 30432), (33, 30582),