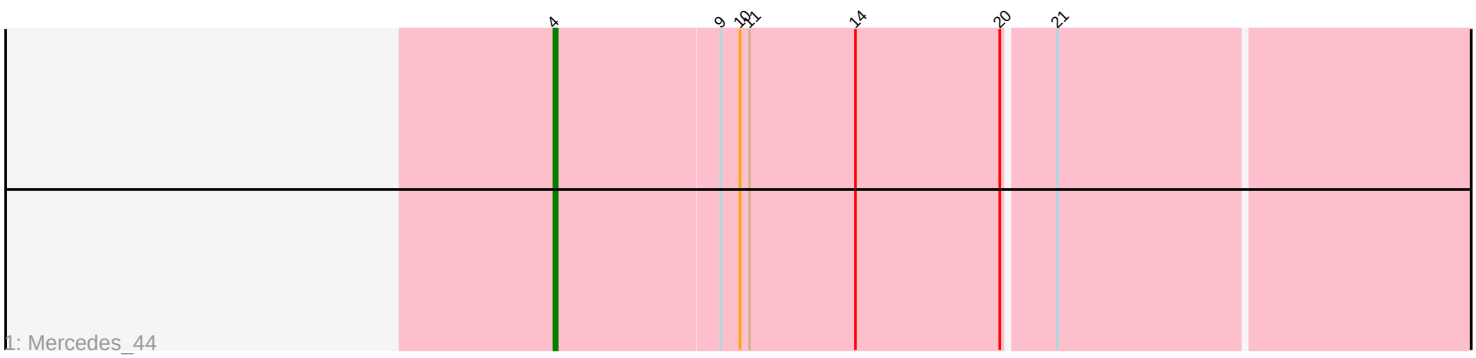
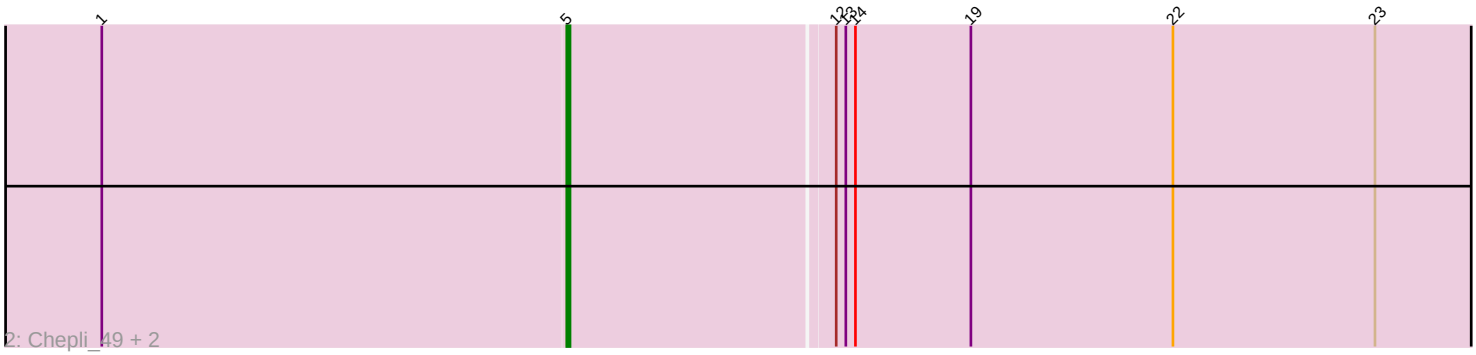
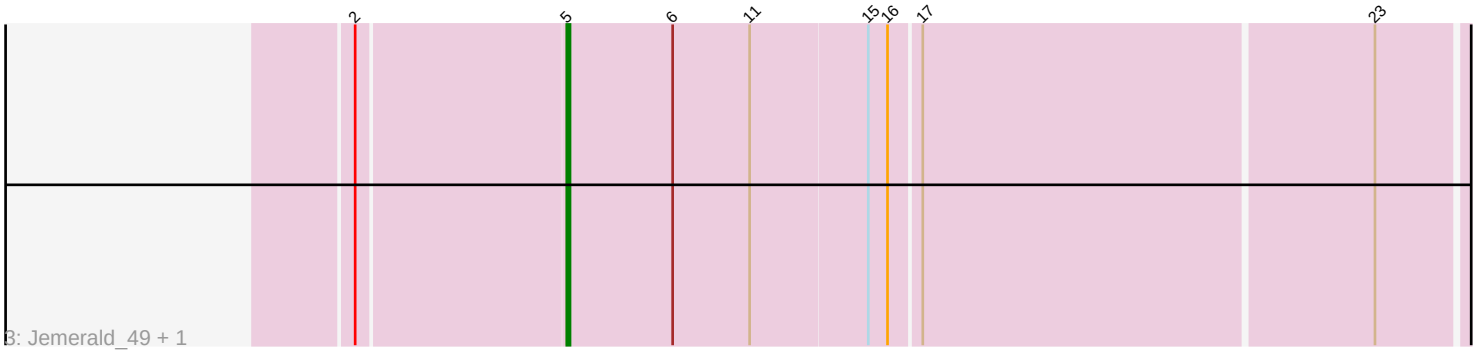
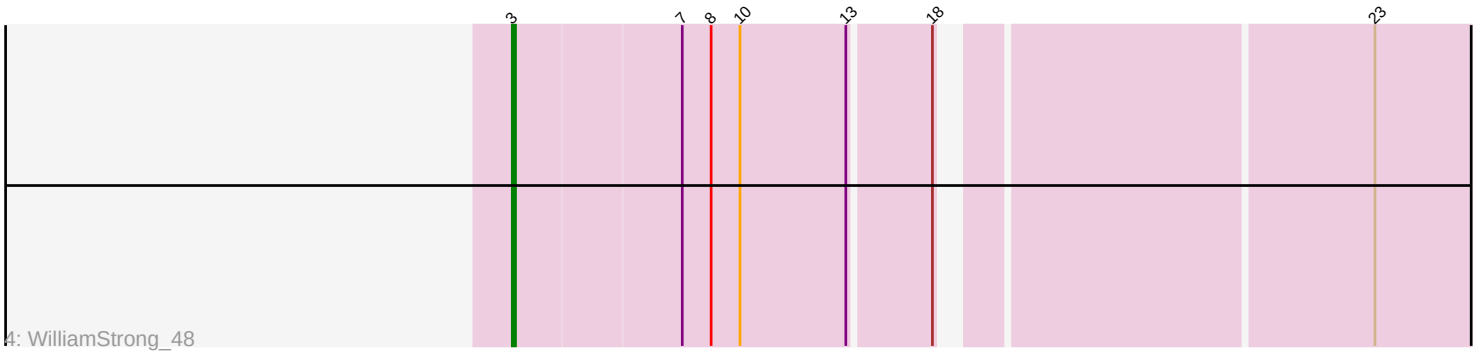
Pham 216886


4
9
10
11
14
20
21
1: Mercedes_44


1
5
12
13
14
19
22
23
2: Chepli_49 + 2


2
5
6
11
15
16
17
23
3: Jemerald_49 + 1


3
7
8
10
13
18
23
4: WilliamStrong_48

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 216886 Report

This analysis was run 02/22/25 on database version 588.

Pham number 216886 has 7 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Mercedes_44
• Track 2 : Chepli_49, KatChan_48, Luna18_49
• Track 3 : Jemerald_49, Juicer_49
• Track 4 : WilliamStrong_48

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

Genes that call this "Most Annotated" start:
• Chepli_49, Jemerald_49, Juicer_49, KatChan_48, Luna18_49,

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

Genes that do not have the "Most Annotated" start:
• Mercedes_44, WilliamStrong_48,

Summary by start number:

Start 3:
• 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: WilliamStrong_48 (EA6),

Start 4:
• 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: Mercedes_44 (EA),

Start 5:

• Found in 5 of 7 (71.4%) of genes in pham
• Manual Annotations of this start: 5 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Chepli_49 (EA6), Jemerald_49 (EA6), Juicer_49 (EA6), KatChan_48 (EA6), Luna18_49 (EA6),

Summary by clusters:

There are 2 clusters represented in this pham: EA, EA6,

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

Info for manual annotations of cluster EA6:
•Start number 3 was manually annotated 1 time for cluster EA6.
•Start number 5 was manually annotated 5 times for cluster EA6.

Gene Information:

Gene: Chepli_49 Start: 34188, Stop: 33892, Start Num: 5
Candidate Starts for Chepli_49:
(1, 34332), (Start: 5 @34188 has 5 MA's), (12, 34107), (13, 34104), (14, 34101), (19, 34065), (22, 34002), (23, 33939),

Gene: Jemerald_49 Start: 35246, Stop: 34971, Start Num: 5
Candidate Starts for Jemerald_49:
(2, 35309), (Start: 5 @35246 has 5 MA's), (6, 35213), (11, 35189), (15, 35153), (16, 35147), (17, 35138), (23, 35000),

Gene: Juicer_49 Start: 35246, Stop: 34971, Start Num: 5
Candidate Starts for Juicer_49:
(2, 35309), (Start: 5 @35246 has 5 MA's), (6, 35213), (11, 35189), (15, 35153), (16, 35147), (17, 35138), (23, 35000),

Gene: KatChan_48 Start: 34200, Stop: 33904, Start Num: 5
Candidate Starts for KatChan_48:
(1, 34344), (Start: 5 @34200 has 5 MA's), (12, 34119), (13, 34116), (14, 34113), (19, 34077), (22, 34014), (23, 33951),

Gene: Luna18_49 Start: 34200, Stop: 33904, Start Num: 5
Candidate Starts for Luna18_49:
(1, 34344), (Start: 5 @34200 has 5 MA's), (12, 34119), (13, 34116), (14, 34113), (19, 34077), (22, 34014), (23, 33951),

Gene: Mercedes_44 Start: 34254, Stop: 33970, Start Num: 4
Candidate Starts for Mercedes_44:
(Start: 4 @34254 has 1 MA's), (9, 34203), (10, 34197), (11, 34194), (14, 34161), (20, 34116), (21, 34101),

Gene: WilliamStrong_48 Start: 34727, Stop: 34443, Start Num: 3
Candidate Starts for WilliamStrong_48:

(Start: 3 @34727 has 1 MA's), (7, 34676), (8, 34667), (10, 34658), (13, 34625), (18, 34601), (23, 34478),