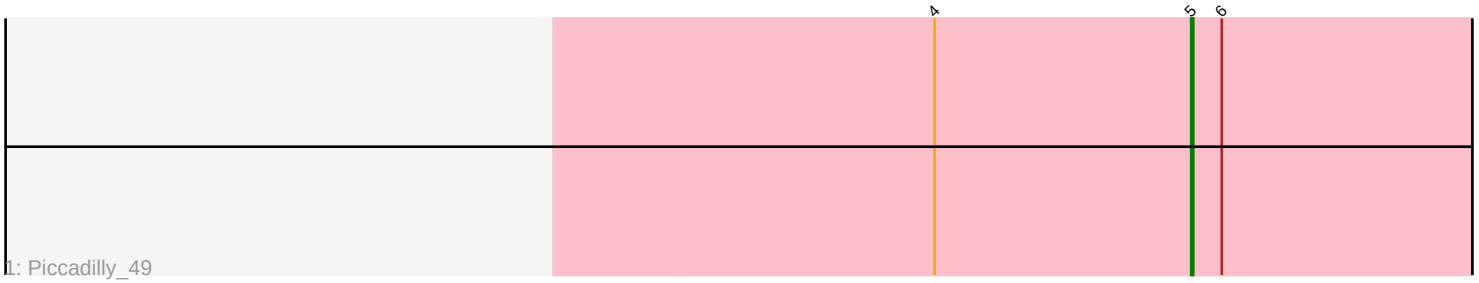
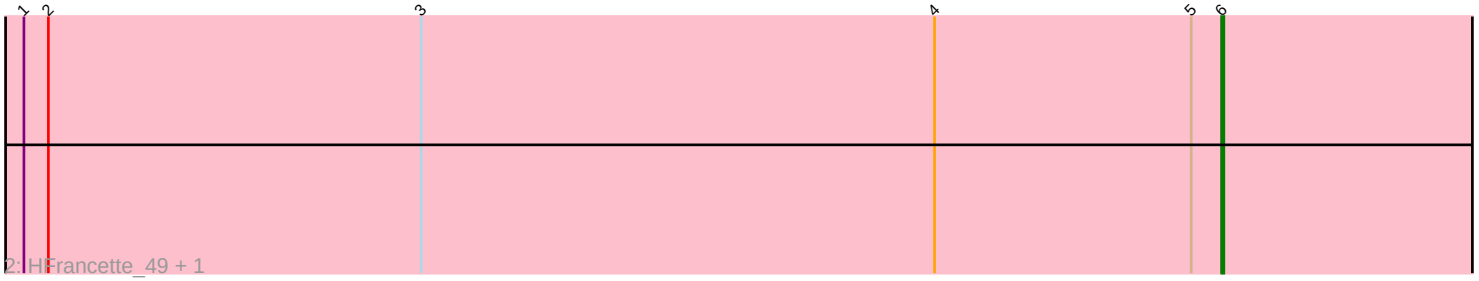
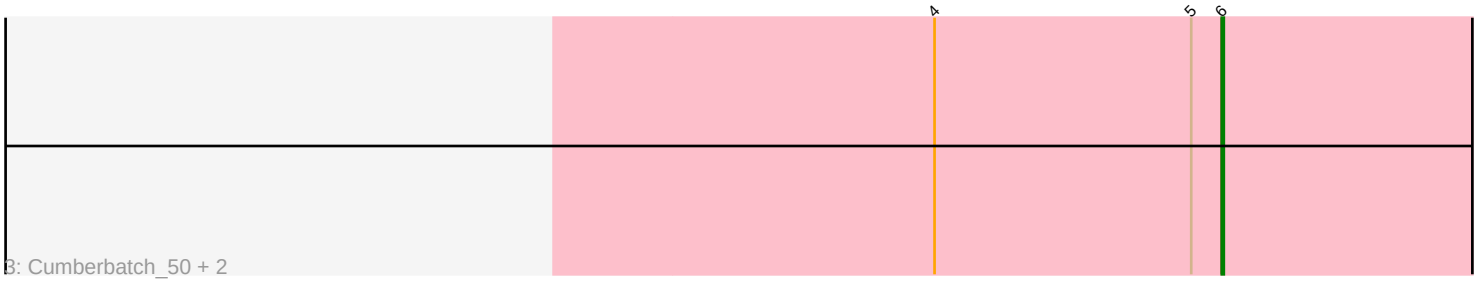
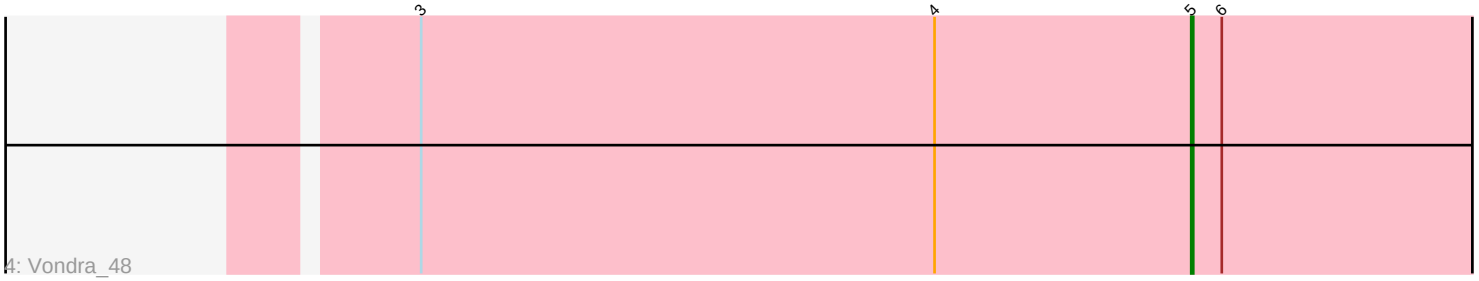
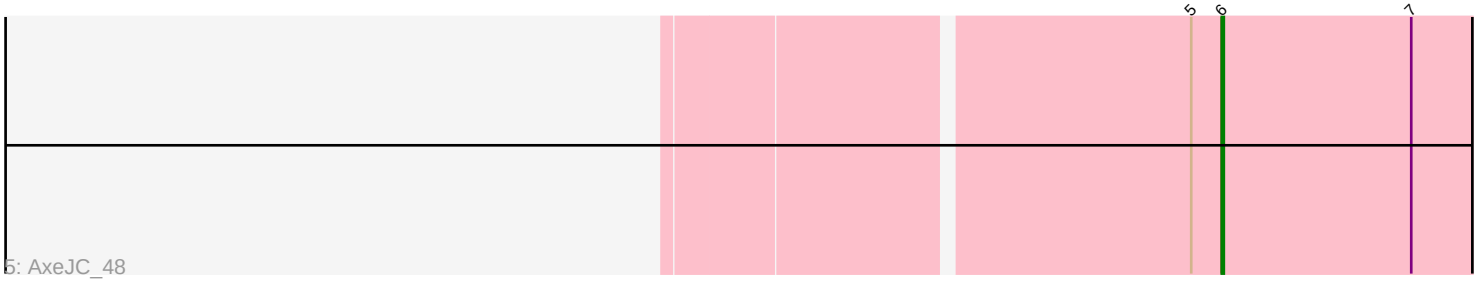
Pham 6448


4
5
6
1: Piccadilly_49


1
2
3
4
5
6
2: HFrancette_49 + 1


4
5
6
3: Cumberbatch_50 + 2


3
4
5
6
4: Vondra_48


5
6
7
5: AxeJC_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 6448 Report

This analysis was run 04/05/24 on database version 557.

Pham number 6448 has 8 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Piccadilly_49
• Track 2 : HFrancette_49, Ignacio_48
• Track 3 : Cumberbatch_50, Eastland_49, Eklok_49
• Track 4 : Vondra_48
• Track 5 : AxeJC_48

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

The start number called the most often in the published annotations is 6, it was called in 6 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AxeJC_48, Cumberbatch_50, Eastland_49, Eklok_49, HFrancette_49, Ignacio_48,

Genes that have the "Most Annotated" start but do not call it:
• Piccadilly_49, Vondra_48,

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

Summary by start number:

Start 5:
• Found in 8 of 8 (100.0%) of genes in pham
• Manual Annotations of this start: 2 of 8
• Called 25.0% of time when present
• Phage (with cluster) where this start called: Piccadilly_49 (BP), Vondra_48 (BP),

Start 6:
• Found in 8 of 8 (100.0%) of genes in pham
• Manual Annotations of this start: 6 of 8
• Called 75.0% of time when present
• Phage (with cluster) where this start called: AxeJC_48 (BP), Cumberbatch_50 (BP), Eastland_49 (BP), Eklok_49 (BP), HFrancette_49 (BP), Ignacio_48 (BP),

Summary by clusters:

There is one cluster represented in this pham: BP

Info for manual annotations of cluster BP:
•Start number 5 was manually annotated 2 times for cluster BP.
•Start number 6 was manually annotated 6 times for cluster BP.

Gene Information:

Gene: AxeJC_48 Start: 32236, Stop: 32388, Start Num: 6
Candidate Starts for AxeJC_48:
(Start: 5 @32221 has 2 MA's), (Start: 6 @32236 has 6 MA's), (7, 32329),

Gene: Cumberbatch_50 Start: 32467, Stop: 32619, Start Num: 6
Candidate Starts for Cumberbatch_50:
(4, 32326), (Start: 5 @32452 has 2 MA's), (Start: 6 @32467 has 6 MA's),

Gene: Eastland_49 Start: 32427, Stop: 32579, Start Num: 6
Candidate Starts for Eastland_49:
(4, 32286), (Start: 5 @32412 has 2 MA's), (Start: 6 @32427 has 6 MA's),

Gene: Eklok_49 Start: 32226, Stop: 32378, Start Num: 6
Candidate Starts for Eklok_49:
(4, 32085), (Start: 5 @32211 has 2 MA's), (Start: 6 @32226 has 6 MA's),

Gene: HFrancette_49 Start: 32768, Stop: 32920, Start Num: 6
Candidate Starts for HFrancette_49:
(1, 32180), (2, 32192), (3, 32375), (4, 32627), (Start: 5 @32753 has 2 MA's), (Start: 6 @32768 has 6 MA's),

Gene: Ignacio_48 Start: 32671, Stop: 32823, Start Num: 6
Candidate Starts for Ignacio_48:
(1, 32083), (2, 32095), (3, 32278), (4, 32530), (Start: 5 @32656 has 2 MA's), (Start: 6 @32671 has 6 MA's),

Gene: Piccadilly_49 Start: 32411, Stop: 32578, Start Num: 5
Candidate Starts for Piccadilly_49:
(4, 32285), (Start: 5 @32411 has 2 MA's), (Start: 6 @32426 has 6 MA's),

Gene: Vondra_48 Start: 31997, Stop: 32164, Start Num: 5
Candidate Starts for Vondra_48:
(3, 31619), (4, 31871), (Start: 5 @31997 has 2 MA's), (Start: 6 @32012 has 6 MA's),