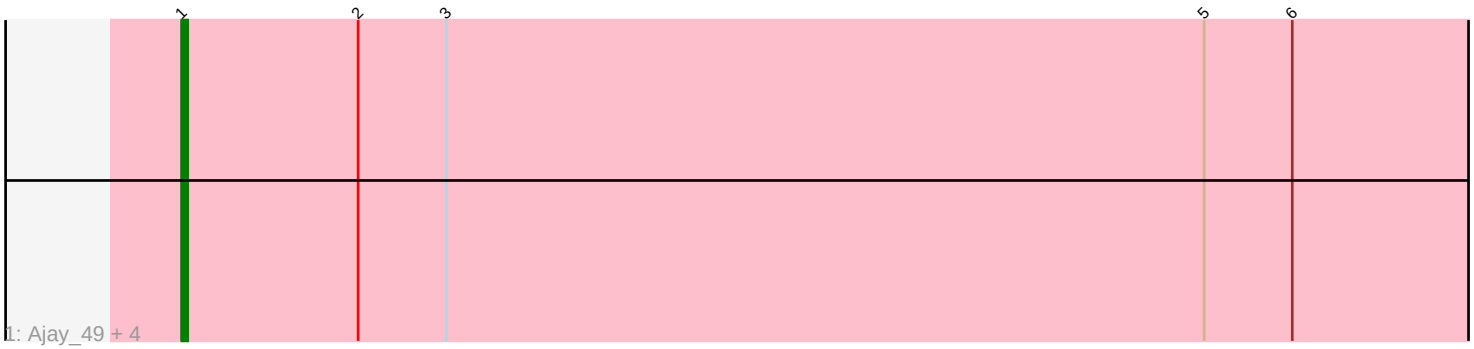
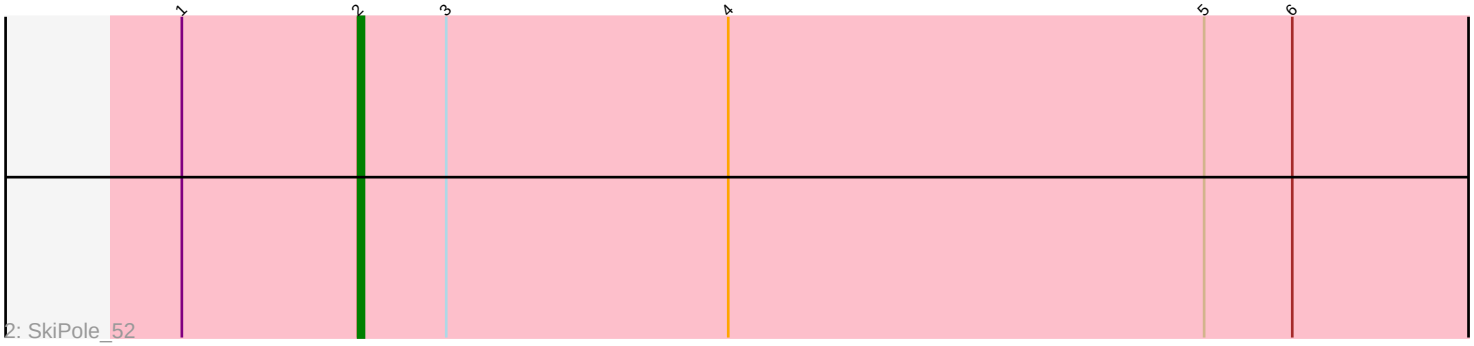
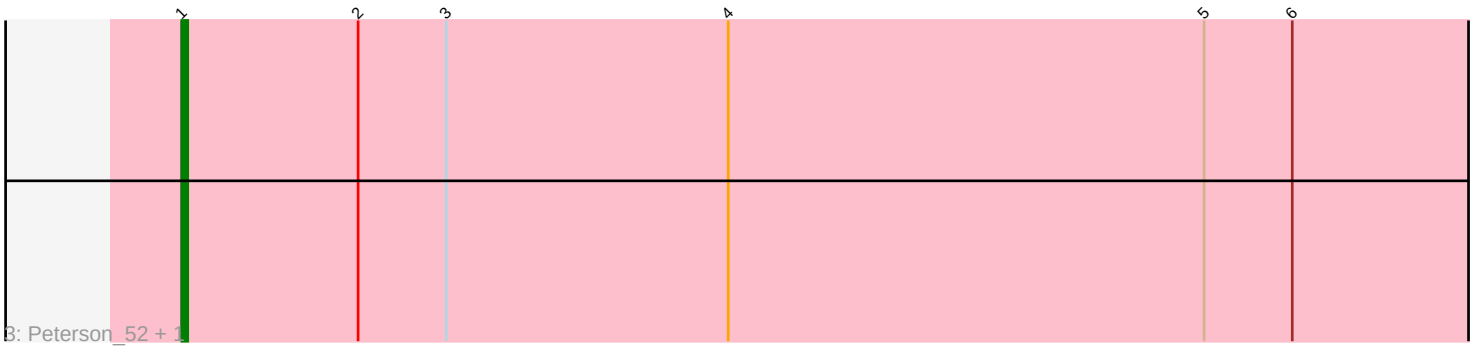
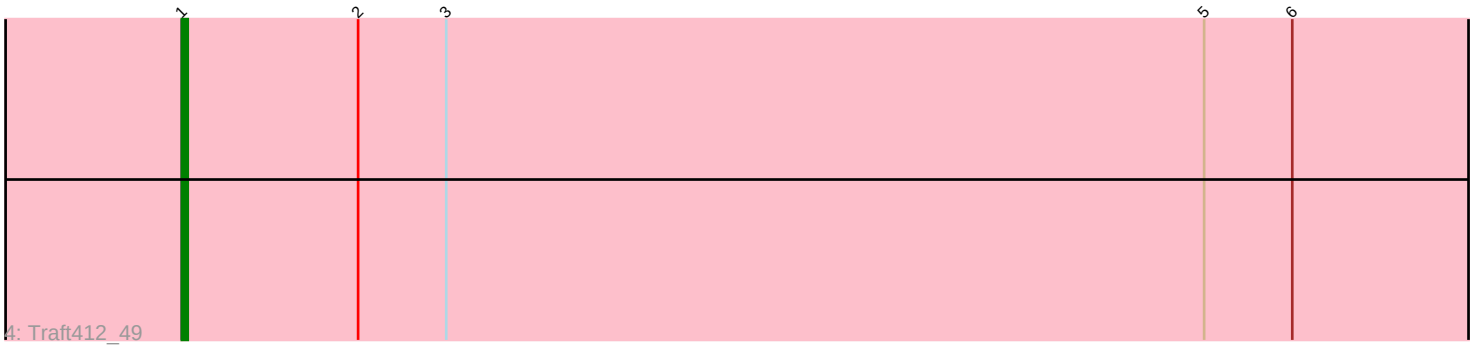
Pham 106856


1
2
3
5
6
1: Ajay_49 + 4


1
2
3
4
5
6
2: SkiPole_52


1
2
3
4
5
6
3: Peterson_52 + 1


1
2
3
5
6
4: Traft412_49

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 106856 Report

This analysis was run 04/28/24 on database version 559.

Pham number 106856 has 9 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Ajay_49, Magnito_46, Oogway_46, Adahisdi_47, Turj99_46
• Track 2 : SkiPole_52
• Track 3 : Peterson_52, STLscum_50
• Track 4 : Traft412_49

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

The start number called the most often in the published annotations is 1, it was called in 8 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Adahisdi_47, Ajay_49, Magnito_46, Oogway_46, Peterson_52, STLscum_50, Traft412_49, Turj99_46,

Genes that have the "Most Annotated" start but do not call it:
• SkiPole_52,

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

Summary by start number:

Start 1:
• Found in 9 of 9 (100.0%) of genes in pham
• Manual Annotations of this start: 8 of 9
• Called 88.9% of time when present
• Phage (with cluster) where this start called: Adahisdi_47 (A1), Ajay_49 (A1), Magnito_46 (A1), Oogway_46 (A1), Peterson_52 (A1), STLscum_50 (A1), Traft412_49 (A1), Turj99_46 (A1),

Start 2:
• Found in 9 of 9 (100.0%) of genes in pham
• Manual Annotations of this start: 1 of 9
• Called 11.1% of time when present

• Phage (with cluster) where this start called: SkiPole_52 (A1),

Summary by clusters:

There is one cluster represented in this pham: A1

Info for manual annotations of cluster A1:
•Start number 1 was manually annotated 8 times for cluster A1.
•Start number 2 was manually annotated 1 time for cluster A1.

Gene Information:

Gene: Adahisdi_47 Start: 35559, Stop: 35311, Start Num: 1
Candidate Starts for Adahisdi_47:
(Start: 1 @35559 has 8 MA's), (Start: 2 @35529 has 1 MA's), (3, 35514), (5, 35385), (6, 35370),

Gene: Ajay_49 Start: 35877, Stop: 35629, Start Num: 1
Candidate Starts for Ajay_49:
(Start: 1 @35877 has 8 MA's), (Start: 2 @35847 has 1 MA's), (3, 35832), (5, 35703), (6, 35688),

Gene: Magnito_46 Start: 34932, Stop: 34684, Start Num: 1
Candidate Starts for Magnito_46:
(Start: 1 @34932 has 8 MA's), (Start: 2 @34902 has 1 MA's), (3, 34887), (5, 34758), (6, 34743),

Gene: Oogway_46 Start: 34774, Stop: 34526, Start Num: 1
Candidate Starts for Oogway_46:
(Start: 1 @34774 has 8 MA's), (Start: 2 @34744 has 1 MA's), (3, 34729), (5, 34600), (6, 34585),

Gene: Peterson_52 Start: 38255, Stop: 38007, Start Num: 1
Candidate Starts for Peterson_52:
(Start: 1 @38255 has 8 MA's), (Start: 2 @38225 has 1 MA's), (3, 38210), (4, 38162), (5, 38081), (6, 38066),

Gene: STLscum_50 Start: 36930, Stop: 36682, Start Num: 1
Candidate Starts for STLscum_50:
(Start: 1 @36930 has 8 MA's), (Start: 2 @36900 has 1 MA's), (3, 36885), (4, 36837), (5, 36756), (6, 36741),

Gene: SkiPole_52 Start: 36621, Stop: 36403, Start Num: 2
Candidate Starts for SkiPole_52:
(Start: 1 @36651 has 8 MA's), (Start: 2 @36621 has 1 MA's), (3, 36606), (4, 36558), (5, 36477), (6, 36462),

Gene: Traft412_49 Start: 36444, Stop: 36196, Start Num: 1
Candidate Starts for Traft412_49:
(Start: 1 @36444 has 8 MA's), (Start: 2 @36414 has 1 MA's), (3, 36399), (5, 36270), (6, 36255),

Gene: Turj99_46 Start: 35202, Stop: 34954, Start Num: 1
Candidate Starts for Turj99_46:
(Start: 1 @35202 has 8 MA's), (Start: 2 @35172 has 1 MA's), (3, 35157), (5, 35028), (6, 35013),