Pham 107379

1: I3_82

2: CherryTomatoes_84

3: Skog_145

4: Pupper_82

5: SCentae_80
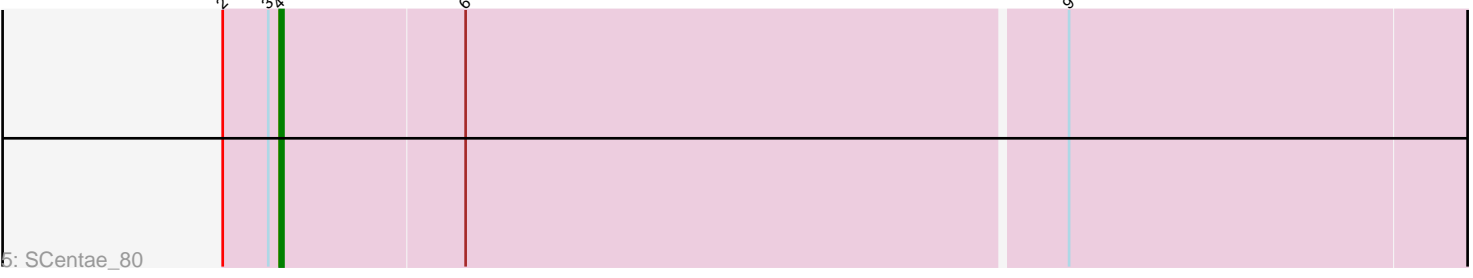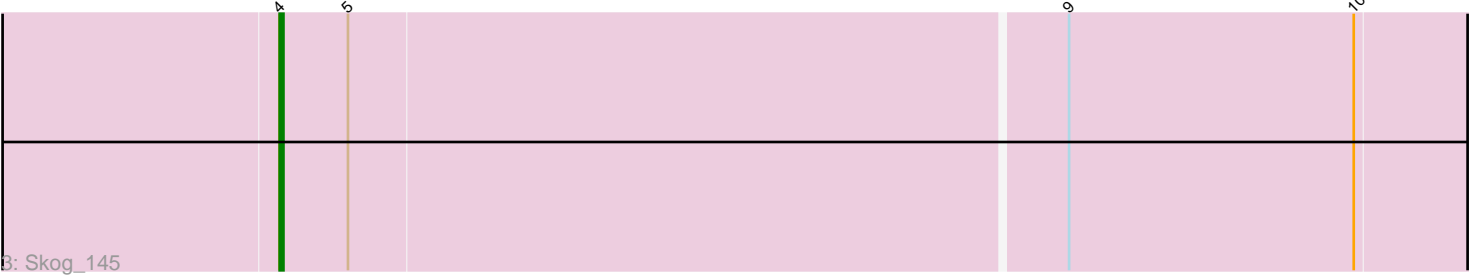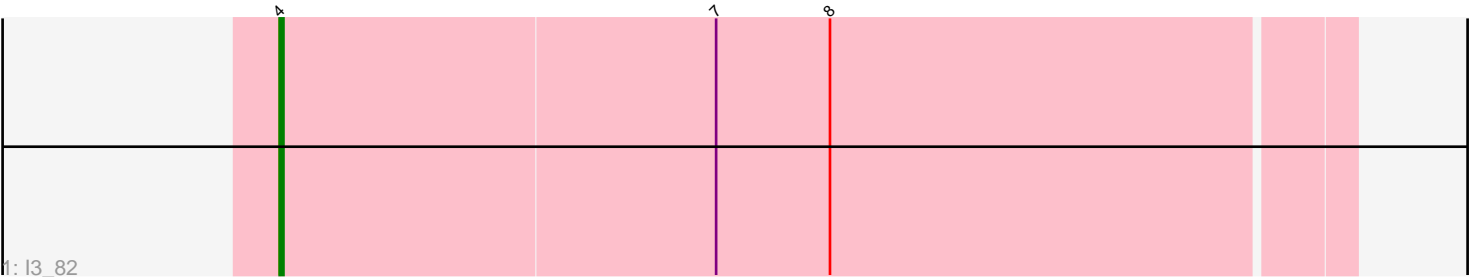
Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly 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 107379 Report

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

Pham number 107379 has 5 members, 1 are drafts.

Phages represented in each track:
• Track 1 : I3_82
• Track 2 : CherryTomatoes_84
• Track 3 : Skog_145
• Track 4 : Pupper_82
• Track 5 : SCentae_80

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

The start number called the most often in the published annotations is 4, it was called in 4 of the 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• I3_82, Pupper_82, SCentae_80, Skog_145,

Genes that have the "Most Annotated" start but do not call it:
• CherryTomatoes_84,

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

Summary by start number:

Start 3:
• Found in 3 of 5 (60.0%) of genes in pham
• No Manual Annotations of this start.
• Called 33.3% of time when present
• Phage (with cluster) where this start called: CherryTomatoes_84 (DO),

Start 4:
• Found in 5 of 5 (100.0%) of genes in pham
• Manual Annotations of this start: 4 of 4
• Called 80.0% of time when present
• Phage (with cluster) where this start called: I3_82 (C1), Pupper_82 (DO), SCentae_80 (DO), Skog_145 (DO),

Summary by clusters:

There are 2 clusters represented in this pham: DO, C1,

Info for manual annotations of cluster C1:
•Start number 4 was manually annotated 1 time for cluster C1.

Info for manual annotations of cluster DO:
•Start number 4 was manually annotated 3 times for cluster DO.

Gene Information:
Gene: CherryTomatoes_84 Start: 31591, Stop: 31950, Start Num: 3
Candidate Starts for CherryTomatoes_84:
(2, 31579), (3, 31591), (Start: 4 @31594 has 4 MA's), (6, 31642), (9, 31798),

Gene: I3_82 Start: 28116, Stop: 28394, Start Num: 4
Candidate Starts for I3_82:
(Start: 4 @28116 has 4 MA's), (7, 28230), (8, 28260),

Gene: Pupper_82 Start: 31778, Stop: 32134, Start Num: 4
Candidate Starts for Pupper_82:
(1, 31736), (3, 31775), (Start: 4 @31778 has 4 MA's), (6, 31826), (9, 31982),

Gene: SCentae_80 Start: 31452, Stop: 31808, Start Num: 4
Candidate Starts for SCentae_80:
(2, 31437), (3, 31449), (Start: 4 @31452 has 4 MA's), (6, 31500), (9, 31656),

Gene: Skog_145 Start: 60862, Stop: 61218, Start Num: 4
Candidate Starts for Skog_145:
(Start: 4 @60862 has 4 MA's), (5, 60880), (9, 61066), (10, 61141),