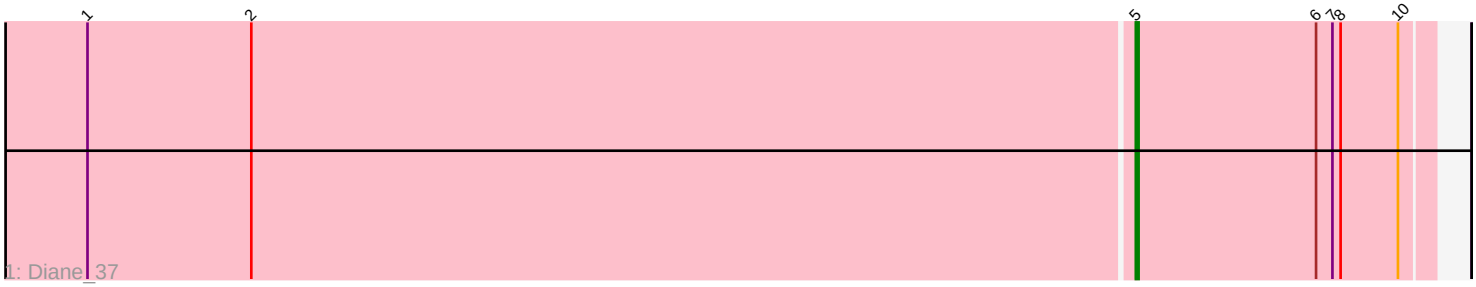
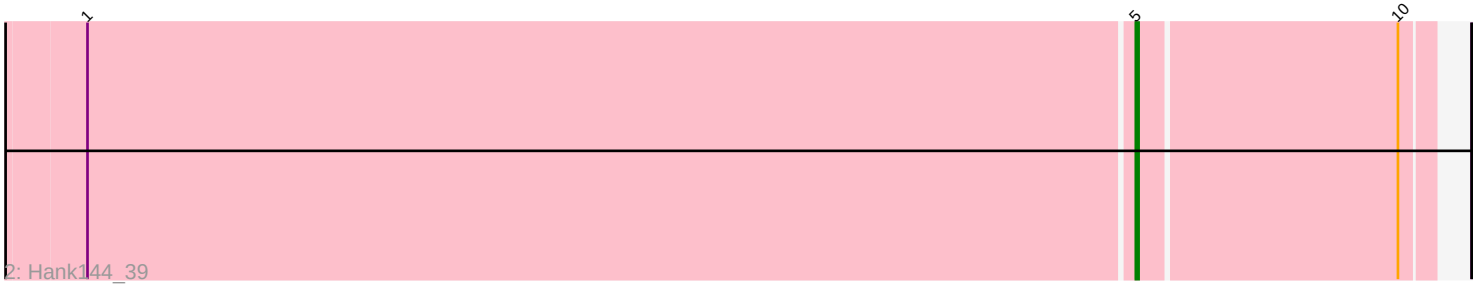
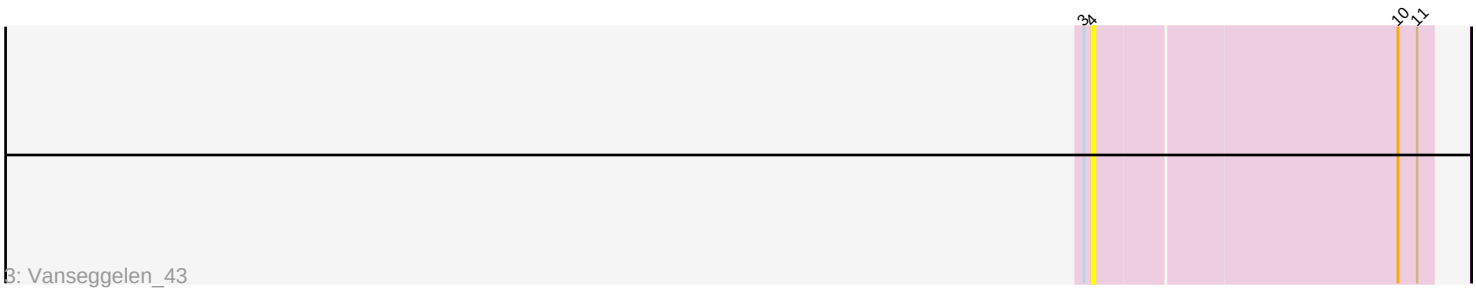
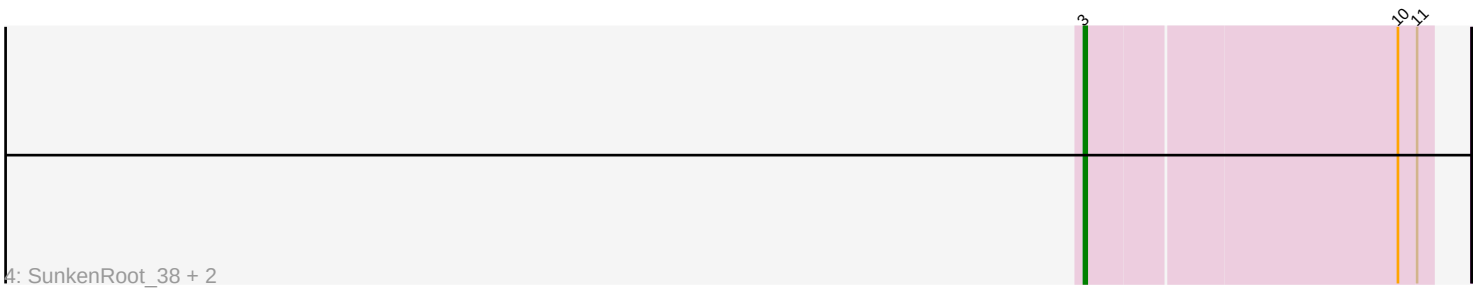
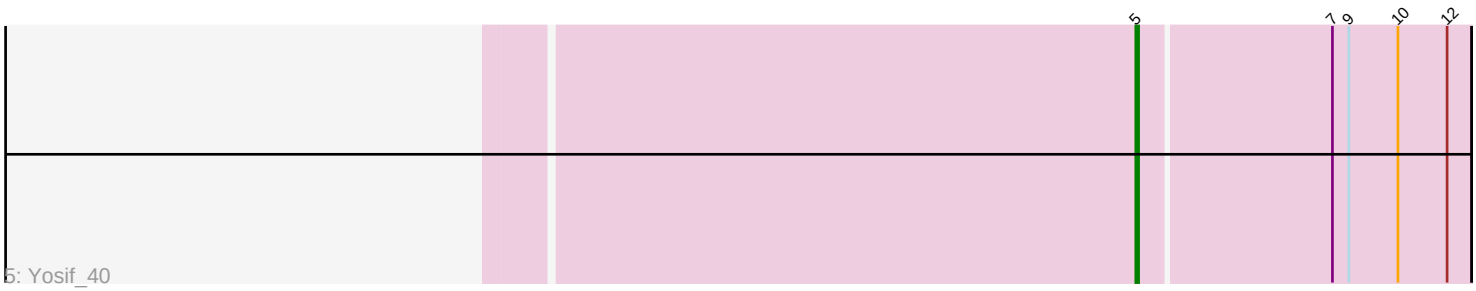
Pham 324039


1
2
5
6
7
8
10
1: Diane_37


1
5
10
2: Hank144_39


3
4
10
11
3: Vanseggelen_43


3
10
11
4: SunkenRoot_38 + 2


5
7
9
10
12
5: Yosif_40

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 324039 Report

This analysis was run 09/05/26 on database version 662.

Pham number 324039 has 7 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Diane_37
• Track 2 : Hank144_39
• Track 3 : Vanseggelen_43
• Track 4 : SunkenRoot_38, Amela_38, Verse_38
• Track 5 : Yosif_40

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 3 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Diane_37, Hank144_39, Yosif_40,

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

Genes that do not have the "Most Annotated" start:
• Amela_38, SunkenRoot_38, Vanseggelen_43, Verse_38,

Summary by start number:

Start 3:
• Found in 4 of 7 (57.1%) of genes in pham
• Manual Annotations of this start: 3 of 6
• Called 75.0% of time when present
• Phage (with cluster) where this start called: Amela_38 (BD3), SunkenRoot_38 (BD3), Verse_38 (BD3),

Start 4:
• Found in 1 of 7 (14.3%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Vanseggelen_43 (BD3),

Start 5:
• Found in 3 of 7 (42.9%) of genes in pham
• Manual Annotations of this start: 3 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Diane_37 (BD2), Hank144_39 (BD2), Yosif_40 (BD3),

Summary by clusters:

There are 2 clusters represented in this pham: BD3, BD2,

Info for manual annotations of cluster BD2:
•Start number 5 was manually annotated 2 times for cluster BD2.

Info for manual annotations of cluster BD3:
•Start number 3 was manually annotated 3 times for cluster BD3.
•Start number 5 was manually annotated 1 time for cluster BD3.

Gene Information:

Gene: Amela_38 Start: 30120, Stop: 30242, Start Num: 3
Candidate Starts for Amela_38:
(Start: 3 @30120 has 3 MA's), (10, 30231), (11, 30237),

Gene: Diane_37 Start: 28409, Stop: 28516, Start Num: 5
Candidate Starts for Diane_37:
(1, 28028), (2, 28088), (Start: 5 @28409 has 3 MA's), (6, 28475), (7, 28481), (8, 28484), (10, 28505),

Gene: Hank144_39 Start: 28520, Stop: 28624, Start Num: 5
Candidate Starts for Hank144_39:
(1, 28139), (Start: 5 @28520 has 3 MA's), (10, 28613),

Gene: SunkenRoot_38 Start: 29920, Stop: 30042, Start Num: 3
Candidate Starts for SunkenRoot_38:
(Start: 3 @29920 has 3 MA's), (10, 30031), (11, 30037),

Gene: Vanseggelen_43 Start: 28966, Stop: 29085, Start Num: 4
Candidate Starts for Vanseggelen_43:
(Start: 3 @28963 has 3 MA's), (4, 28966), (10, 29074), (11, 29080),

Gene: Verse_38 Start: 30114, Stop: 30236, Start Num: 3
Candidate Starts for Verse_38:
(Start: 3 @30114 has 3 MA's), (10, 30225), (11, 30231),

Gene: Yosif_40 Start: 29930, Stop: 30049, Start Num: 5
Candidate Starts for Yosif_40:
(Start: 5 @29930 has 3 MA's), (7, 29999), (9, 30005), (10, 30023), (12, 30041),