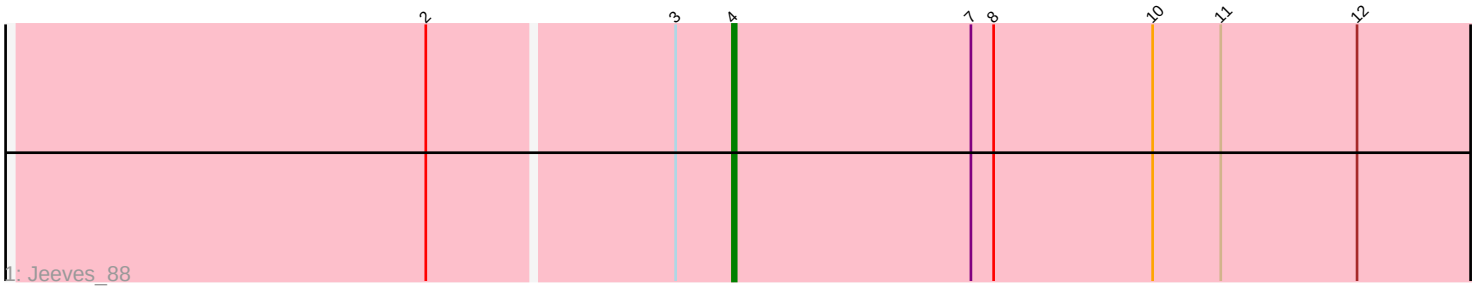
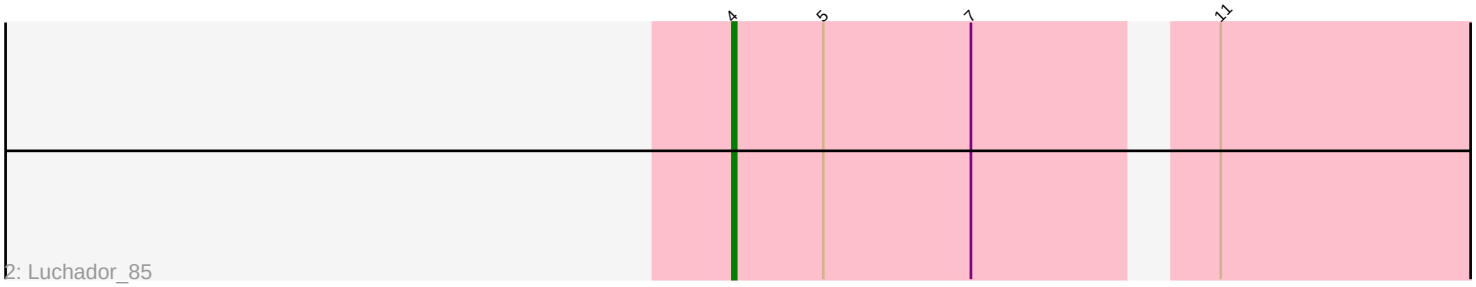
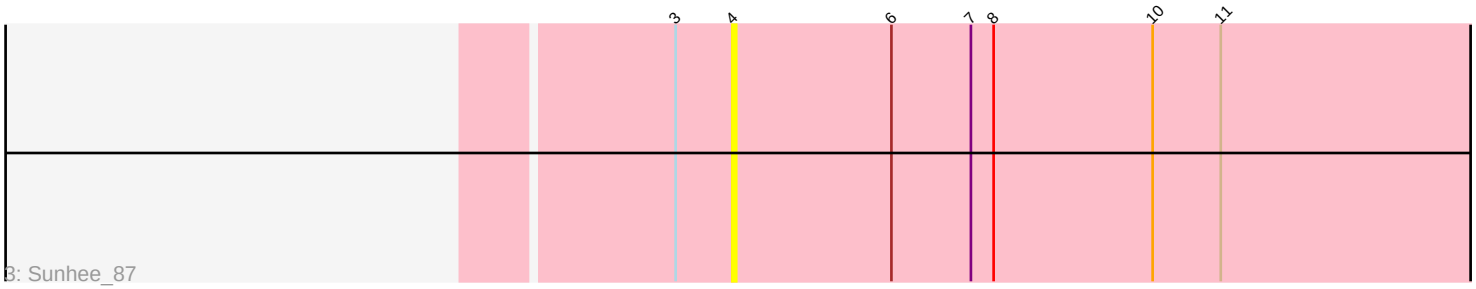
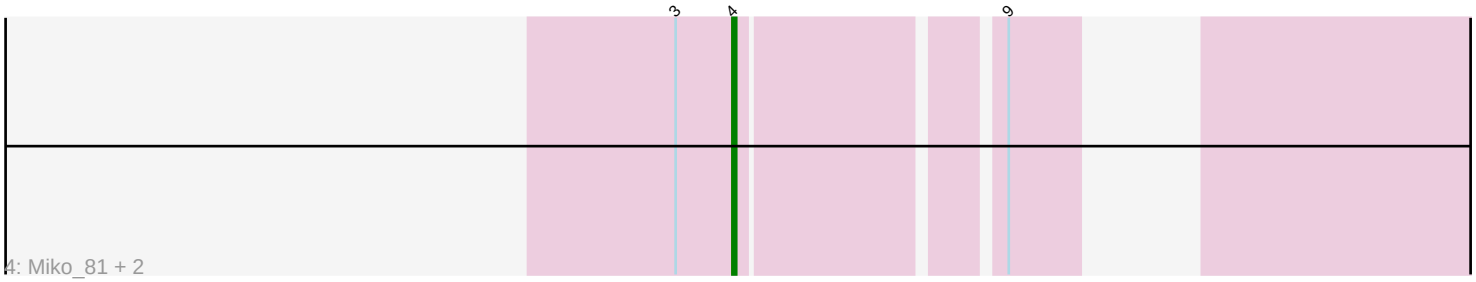
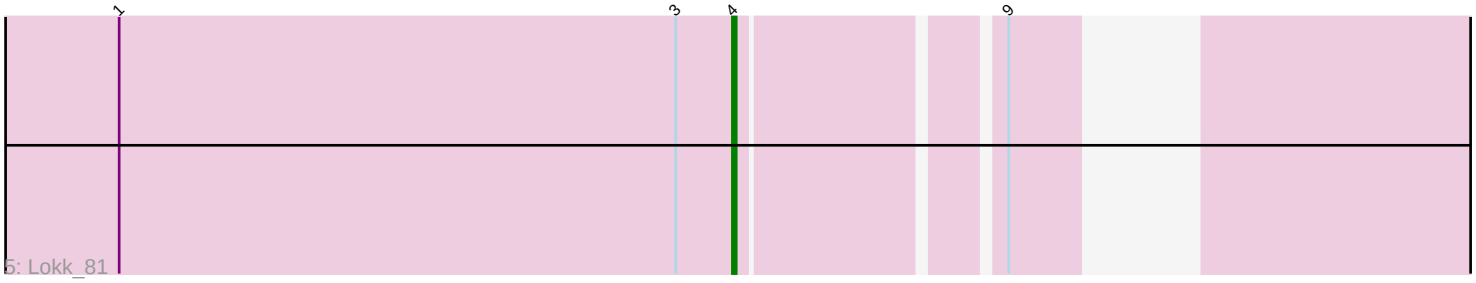
# Pham 197152


2
3
4
7
8
10
11
12
1: Jeeves_88


4
5
7
11
2: Luchador_85


3
4
6
7
8
10
11
3: Sunhee_87


3
4
9
4: Miko_81 + 2


1
3
4
9
5: Lokk_81

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 197152 Report

This analysis was run 12/09/24 on database version 580.

Pham number 197152 has 7 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Jeeves_88
• Track 2 : Luchador_85
• Track 3 : Sunhee_87
• Track 4 : Miko_81, Rachaly_83, BobSwaget_80
• Track 5 : Lokk_81

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

Genes that call this "Most Annotated" start:
• BobSwaget_80, Jeeves_88, Lokk_81, Luchador_85, Miko_81, Rachaly_83, Sunhee_87,

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

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

**Summary by start number:**

Start 4:
• Found in 7 of 7 ( 100.0% ) of genes in pham
• Manual Annotations of this start: 6 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BobSwaget_80 (A2), Jeeves_88 (A14), Lokk_81 (A2), Luchador_85 (A14), Miko_81 (A2), Rachaly_83 (A2), Sunhee_87 (A14),

**Summary by clusters:**

There are 2 clusters represented in this pham: A14, A2,

Info for manual annotations of cluster A14:
•Start number 4 was manually annotated 2 times for cluster A14.

Info for manual annotations of cluster A2:
•Start number 4 was manually annotated 4 times for cluster A2.

***Gene Information:***

Gene: BobSwaget_80 Start: 46489, Stop: 46259, Start Num: 4
Candidate Starts for BobSwaget_80:
(3, 46504), (Start: 4 @46489 has 6 MA's), (9, 46426),

Gene: Jeeves_88 Start: 47130, Stop: 46858, Start Num: 4
Candidate Starts for Jeeves_88:
(2, 47208), (3, 47145), (Start: 4 @47130 has 6 MA's), (7, 47067), (8, 47061), (10, 47019), (11, 47001), (12, 46965),

Gene: Lokk_81 Start: 47110, Stop: 46880, Start Num: 4
Candidate Starts for Lokk_81:
(1, 47272), (3, 47125), (Start: 4 @47110 has 6 MA's), (9, 47047),

Gene: Luchador_85 Start: 48225, Stop: 47965, Start Num: 4
Candidate Starts for Luchador_85:
(Start: 4 @48225 has 6 MA's), (5, 48201), (7, 48162), (11, 48108),

Gene: Miko_81 Start: 47875, Stop: 47645, Start Num: 4
Candidate Starts for Miko_81:
(3, 47890), (Start: 4 @47875 has 6 MA's), (9, 47812),

Gene: Rachaly_83 Start: 48018, Stop: 47788, Start Num: 4
Candidate Starts for Rachaly_83:
(3, 48033), (Start: 4 @48018 has 6 MA's), (9, 47955),

Gene: Sunhee_87 Start: 46599, Stop: 46327, Start Num: 4
Candidate Starts for Sunhee_87:
(3, 46614), (Start: 4 @46599 has 6 MA's), (6, 46557), (7, 46536), (8, 46530), (10, 46488), (11, 46470),