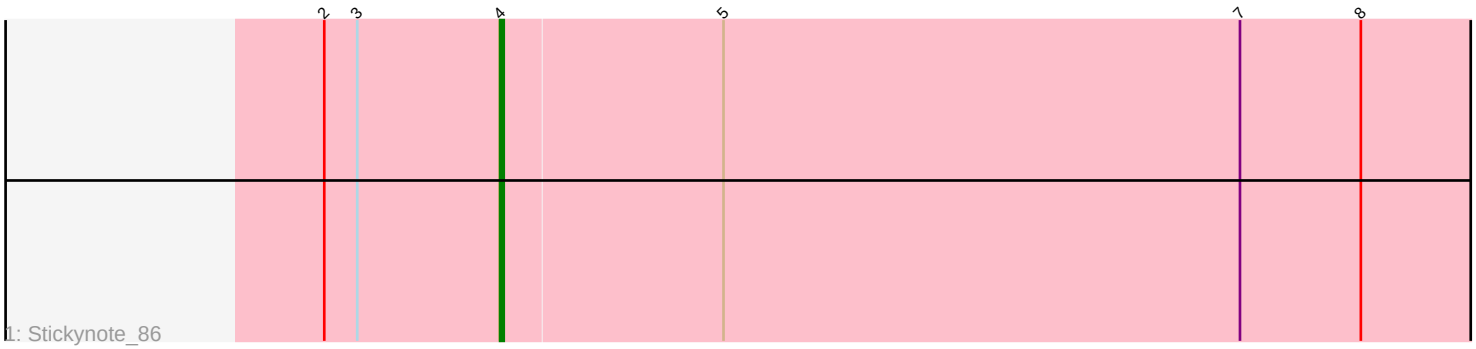
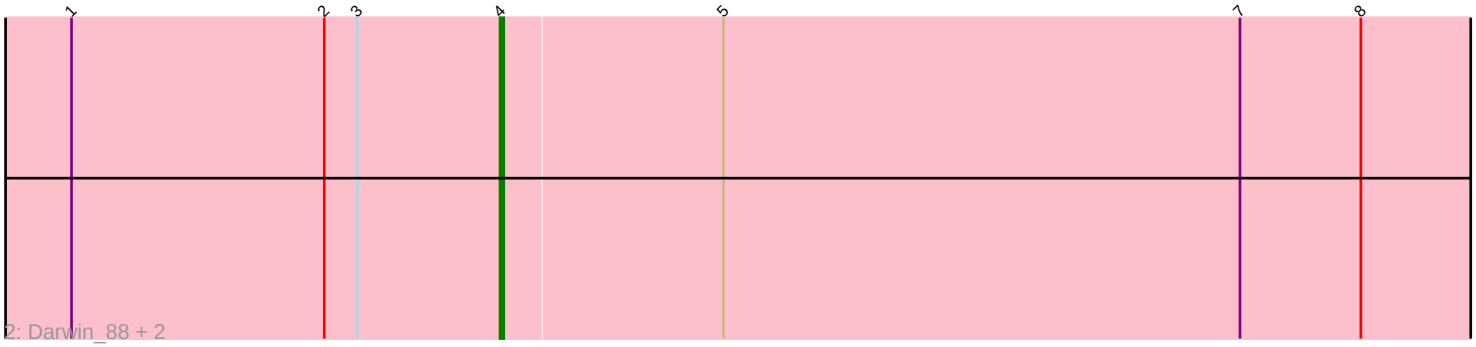
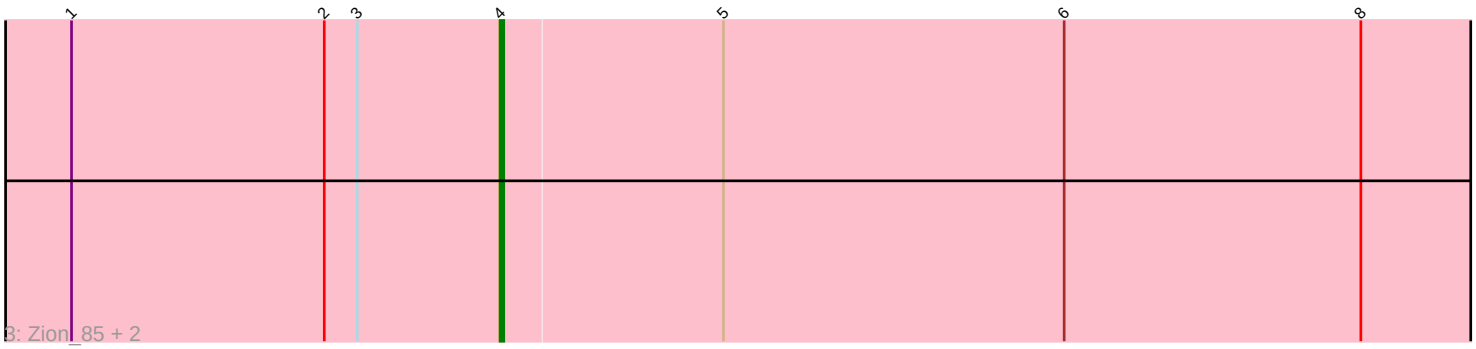
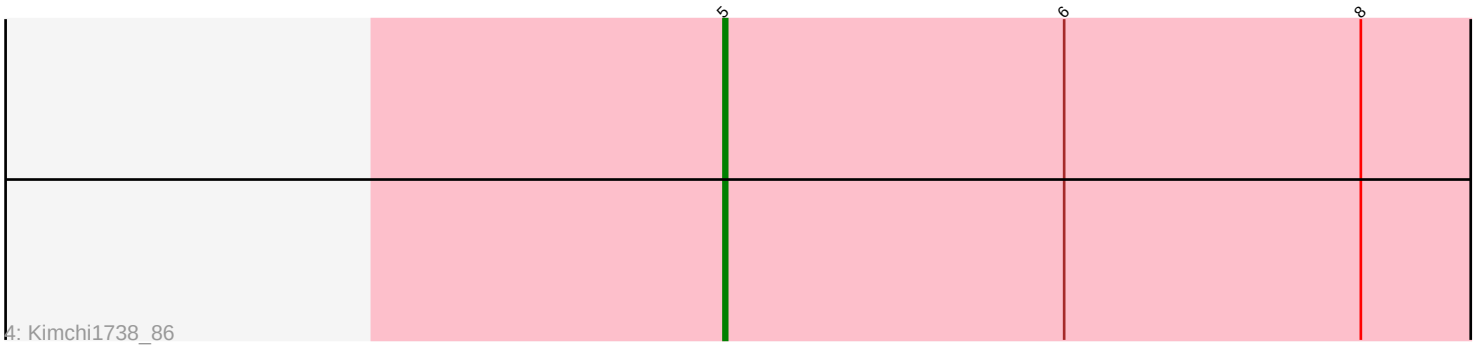
Pham 106903


2
3
4
5
7
8
1: Stickynote_86


1
2
3
4
5
7
8
2: Darwin_88 + 2


1
2
3
4
5
6
8
3: Zion_85 + 2


5
6
8
4: Kimchi1738_86

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 106903 Report

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

Pham number 106903 has 8 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Stickynote_86
• Track 2 : Darwin_88, C3PO_85, Cruella_85
• Track 3 : Zion_85, PeteyPab_83, PotatoChip_85
• Track 4 : Kimchi1738_86

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 7 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• C3PO_85, Cruella_85, Darwin_88, PeteyPab_83, PotatoChip_85, Stickynote_86, Zion_85,

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

Genes that do not have the "Most Annotated" start:
• Kimchi1738_86,

Summary by start number:

Start 4:
• Found in 7 of 8 (87.5%) of genes in pham
• Manual Annotations of this start: 7 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: C3PO_85 (EN), Cruella_85 (EN), Darwin_88 (EN), PeteyPab_83 (EN), PotatoChip_85 (EN), Stickynote_86 (EN), Zion_85 (EN),

Start 5:
• Found in 8 of 8 (100.0%) of genes in pham
• Manual Annotations of this start: 1 of 8
• Called 12.5% of time when present

• Phage (with cluster) where this start called: Kimchi1738_86 (EN),

Summary by clusters:

There is one cluster represented in this pham: EN

Info for manual annotations of cluster EN:
•Start number 4 was manually annotated 7 times for cluster EN.
•Start number 5 was manually annotated 1 time for cluster EN.

Gene Information:

Gene: C3PO_85 Start: 60315, Stop: 60019, Start Num: 4
Candidate Starts for C3PO_85:
(1, 60432), (2, 60363), (3, 60354), (Start: 4 @60315 has 7 MA's), (Start: 5 @60255 has 1 MA's), (7, 60114), (8, 60081),

Gene: Cruella_85 Start: 60315, Stop: 60019, Start Num: 4
Candidate Starts for Cruella_85:
(1, 60432), (2, 60363), (3, 60354), (Start: 4 @60315 has 7 MA's), (Start: 5 @60255 has 1 MA's), (7, 60114), (8, 60081),

Gene: Darwin_88 Start: 61186, Stop: 60890, Start Num: 4
Candidate Starts for Darwin_88:
(1, 61303), (2, 61234), (3, 61225), (Start: 4 @61186 has 7 MA's), (Start: 5 @61126 has 1 MA's), (7, 60985), (8, 60952),

Gene: Kimchi1738_86 Start: 59268, Stop: 59032, Start Num: 5
Candidate Starts for Kimchi1738_86:
(Start: 5 @59268 has 1 MA's), (6, 59175), (8, 59094),

Gene: PeteyPab_83 Start: 59611, Stop: 59315, Start Num: 4
Candidate Starts for PeteyPab_83:
(1, 59728), (2, 59659), (3, 59650), (Start: 4 @59611 has 7 MA's), (Start: 5 @59551 has 1 MA's), (6, 59458), (8, 59377),

Gene: PotatoChip_85 Start: 59613, Stop: 59317, Start Num: 4
Candidate Starts for PotatoChip_85:
(1, 59730), (2, 59661), (3, 59652), (Start: 4 @59613 has 7 MA's), (Start: 5 @59553 has 1 MA's), (6, 59460), (8, 59379),

Gene: Stickynote_86 Start: 61480, Stop: 61184, Start Num: 4
Candidate Starts for Stickynote_86:
(2, 61528), (3, 61519), (Start: 4 @61480 has 7 MA's), (Start: 5 @61420 has 1 MA's), (7, 61279), (8, 61246),

Gene: Zion_85 Start: 59611, Stop: 59315, Start Num: 4
Candidate Starts for Zion_85:
(1, 59728), (2, 59659), (3, 59650), (Start: 4 @59611 has 7 MA's), (Start: 5 @59551 has 1 MA's), (6, 59458), (8, 59377),