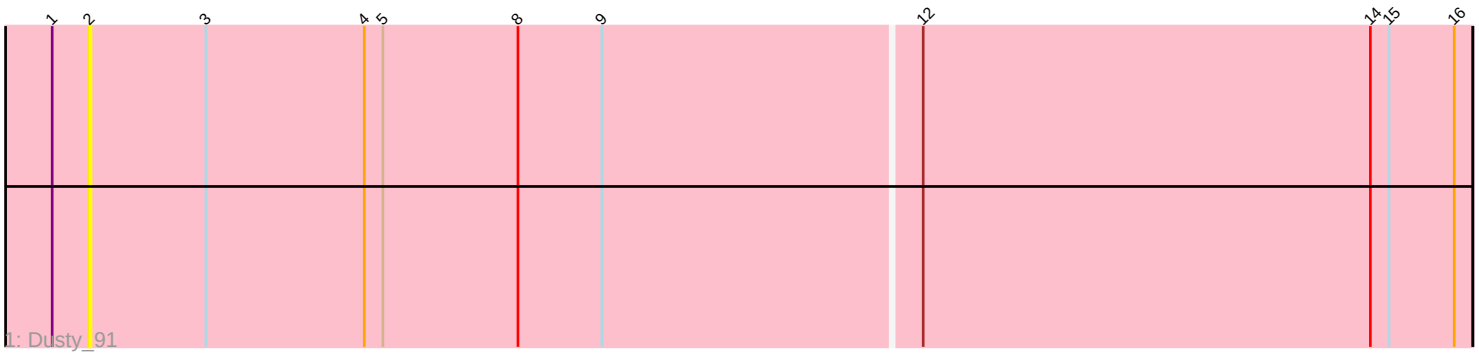
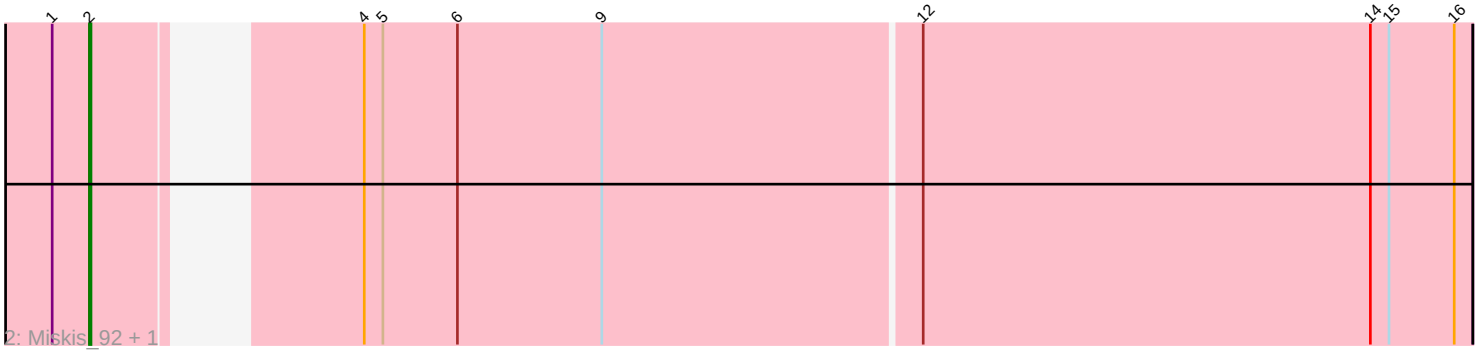
Pham 158547


1
2
3
4
5
8
9
12
14
15
16
1: Dusty_91


1
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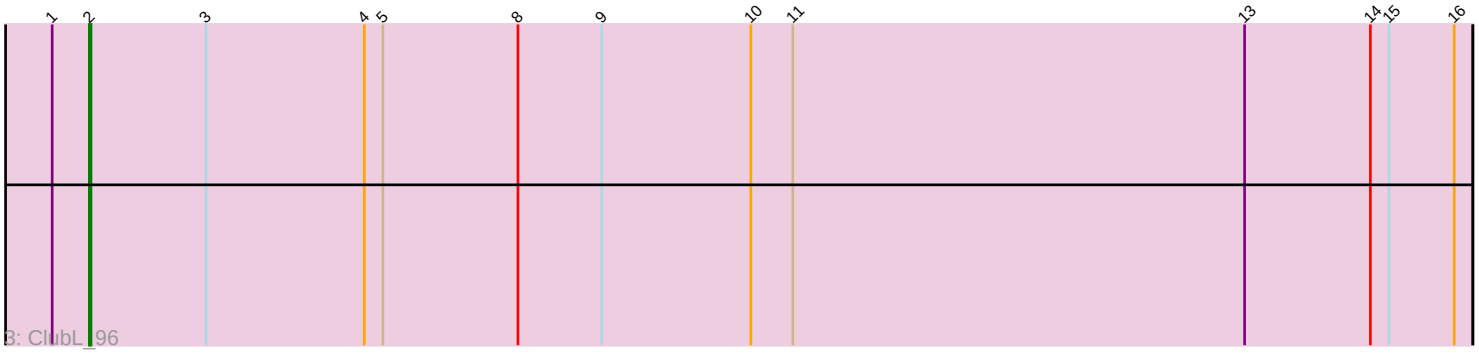
16
2: Miskis_92 + 1


1
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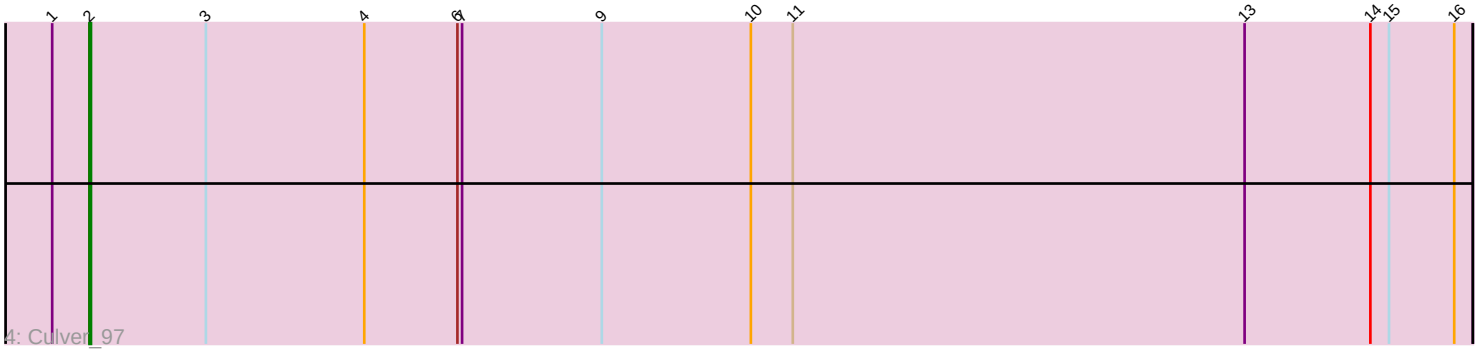
16
3: ClubL_96


1
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3
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16
4: Culver_97

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 158547 Report

This analysis was run 04/13/24 on database version 558.

Pham number 158547 has 5 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Dusty_91
• Track 2 : Miskis_92, Aphelion_95
• Track 3 : ClubL_96
• Track 4 : Culver_97

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

The start number called the most often in the published annotations is 2, it was called in 3 of the 3 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Aphelion_95, ClubL_96, Culver_97, Dusty_91, Miskis_92,

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 2:
• Found in 5 of 5 (100.0%) of genes in pham
• Manual Annotations of this start: 3 of 3
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Aphelion_95 (CQ1), ClubL_96 (CQ1), Culver_97 (CQ1), Dusty_91 (CQ), Miskis_92 (CQ),

Summary by clusters:

There are 2 clusters represented in this pham: CQ1, CQ,

Info for manual annotations of cluster CQ1:

•Start number 2 was manually annotated 3 times for cluster CQ1.

Gene Information:

Gene: Aphelion_95 Start: 58410, Stop: 59237, Start Num: 2
Candidate Starts for Aphelion_95:
(1, 58386), (Start: 2 @58410 has 3 MA's), (4, 58530), (5, 58542), (6, 58590), (9, 58683), (12, 58884), (14, 59172), (15, 59184), (16, 59226),

Gene: ClubL_96 Start: 57545, Stop: 58435, Start Num: 2
Candidate Starts for ClubL_96:
(1, 57521), (Start: 2 @57545 has 3 MA's), (3, 57620), (4, 57722), (5, 57734), (8, 57821), (9, 57875), (10, 57971), (11, 57998), (13, 58289), (14, 58370), (15, 58382), (16, 58424),

Gene: Culver_97 Start: 57445, Stop: 58335, Start Num: 2
Candidate Starts for Culver_97:
(1, 57421), (Start: 2 @57445 has 3 MA's), (3, 57520), (4, 57622), (6, 57682), (7, 57685), (9, 57775), (10, 57871), (11, 57898), (13, 58189), (14, 58270), (15, 58282), (16, 58324),

Gene: Dusty_91 Start: 56859, Stop: 57743, Start Num: 2
Candidate Starts for Dusty_91:
(1, 56835), (Start: 2 @56859 has 3 MA's), (3, 56934), (4, 57036), (5, 57048), (8, 57135), (9, 57189), (12, 57390), (14, 57678), (15, 57690), (16, 57732),

Gene: Miskis_92 Start: 56579, Stop: 57406, Start Num: 2
Candidate Starts for Miskis_92:
(1, 56555), (Start: 2 @56579 has 3 MA's), (4, 56699), (5, 56711), (6, 56759), (9, 56852), (12, 57053), (14, 57341), (15, 57353), (16, 57395),