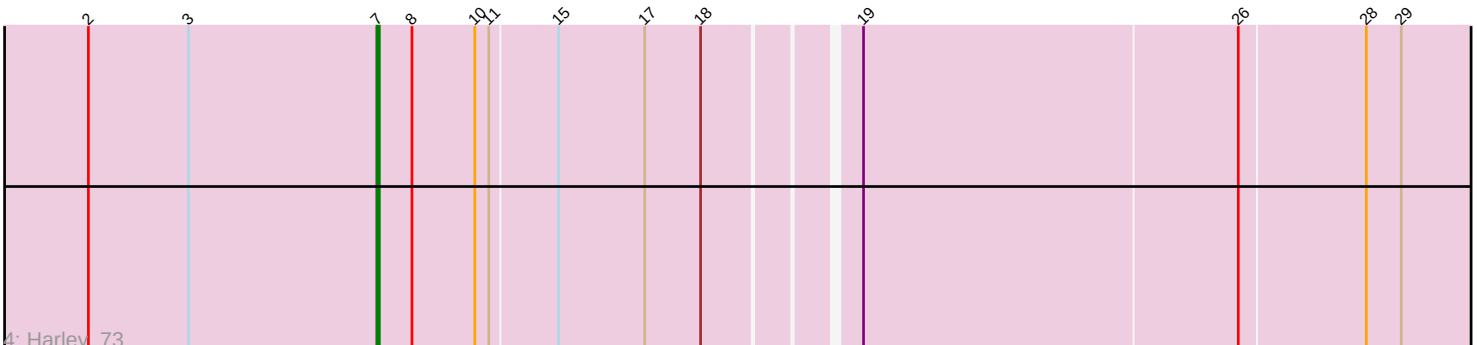
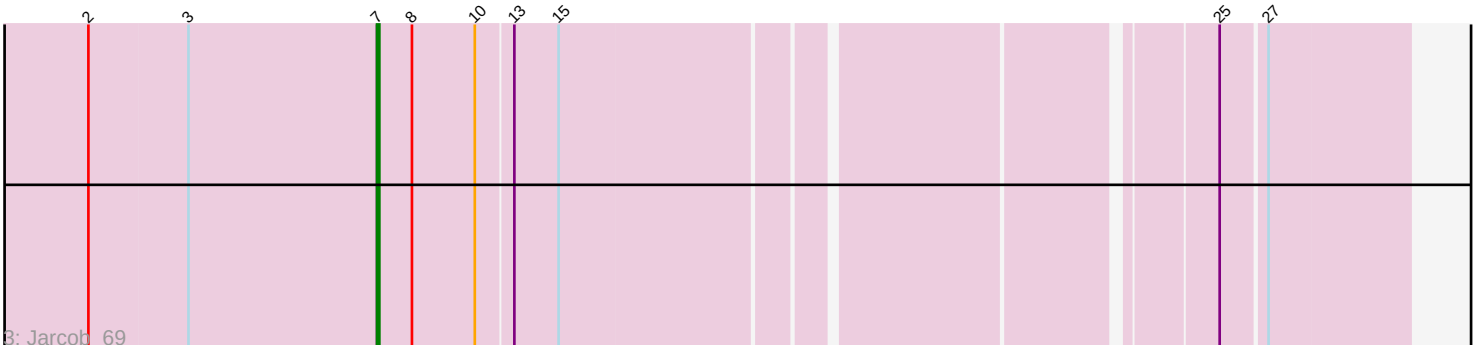
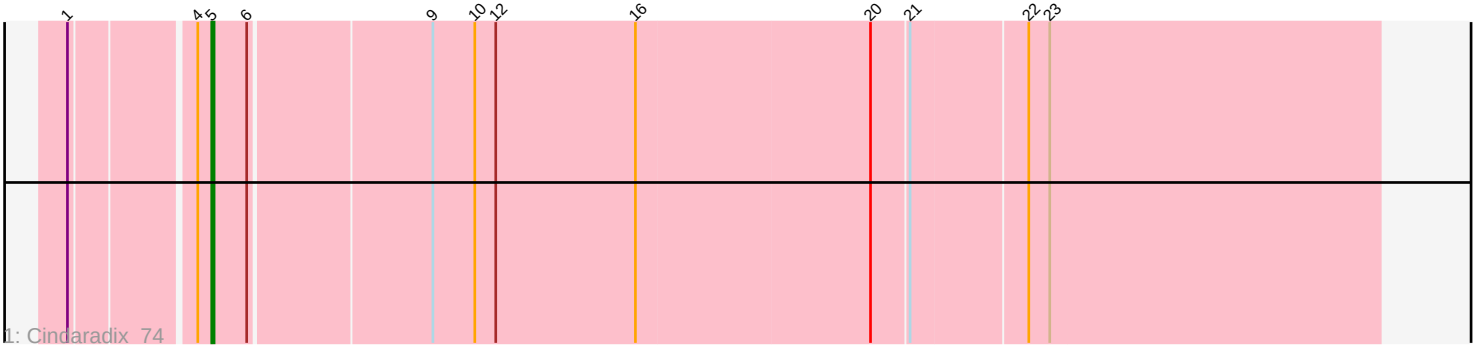


Pham 331615



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 331615 Report

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

Pham number 331615 has 7 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Cindaradix_74
- Track 2 : OfUltron_75, Ochi17_73, Llama_74, Sebastian_75
- Track 3 : Jacob_69
- Track 4 : Harley_73

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

The start number called the most often in the published annotations is 7, it was called in 6 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Harley_73, Jacob_69, Llama_74, Ochi17_73, OfUltron_75, Sebastian_75,

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

-

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

- Cindaradix_74,

Summary by start number:

Start 5:

- Found in 1 of 7 (14.3%) of genes in pham
- Manual Annotations of this start: 1 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Cindaradix_74 (A4),

Start 7:

- Found in 6 of 7 (85.7%) of genes in pham
- Manual Annotations of this start: 6 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Harley_73 (F1), Jacob_69 (F1), Llama_74 (F1), Ochi17_73 (F1), OfUltron_75 (F1), Sebastian_75 (F1),

Summary by clusters:

There are 2 clusters represented in this pham: F1, A4,

Info for manual annotations of cluster A4:

- Start number 5 was manually annotated 1 time for cluster A4.

Info for manual annotations of cluster F1:

- Start number 7 was manually annotated 6 times for cluster F1.

Gene Information:

Gene: Cindaradix_74 Start: 47332, Stop: 46844, Start Num: 5

Candidate Starts for Cindaradix_74:

(1, 47386), (4, 47338), (Start: 5 @47332 has 1 MA's), (6, 47317), (9, 47242), (10, 47224), (12, 47215), (16, 47155), (20, 47056), (21, 47041), (22, 46993), (23, 46984),

Gene: Harley_73 Start: 45559, Stop: 46044, Start Num: 7

Candidate Starts for Harley_73:

(2, 45436), (3, 45478), (Start: 7 @45559 has 6 MA's), (8, 45574), (10, 45601), (11, 45607), (15, 45634), (17, 45670), (18, 45694), (19, 45751), (26, 45910), (28, 45961), (29, 45976),

Gene: Jacob_69 Start: 45412, Stop: 45819, Start Num: 7

Candidate Starts for Jacob_69:

(2, 45289), (3, 45331), (Start: 7 @45412 has 6 MA's), (8, 45427), (10, 45454), (13, 45469), (15, 45487), (25, 45742), (27, 45760),

Gene: Llama_74 Start: 46111, Stop: 46482, Start Num: 7

Candidate Starts for Llama_74:

(2, 45988), (3, 46030), (Start: 7 @46111 has 6 MA's), (11, 46159), (14, 46174), (24, 46402),

Gene: Ochi17_73 Start: 45707, Stop: 46078, Start Num: 7

Candidate Starts for Ochi17_73:

(2, 45584), (3, 45626), (Start: 7 @45707 has 6 MA's), (11, 45755), (14, 45770), (24, 45998),

Gene: OfUltron_75 Start: 46256, Stop: 46627, Start Num: 7

Candidate Starts for OfUltron_75:

(2, 46133), (3, 46175), (Start: 7 @46256 has 6 MA's), (11, 46304), (14, 46319), (24, 46547),

Gene: Seabastian_75 Start: 46257, Stop: 46628, Start Num: 7

Candidate Starts for Seabastian_75:

(2, 46134), (3, 46176), (Start: 7 @46257 has 6 MA's), (11, 46305), (14, 46320), (24, 46548),