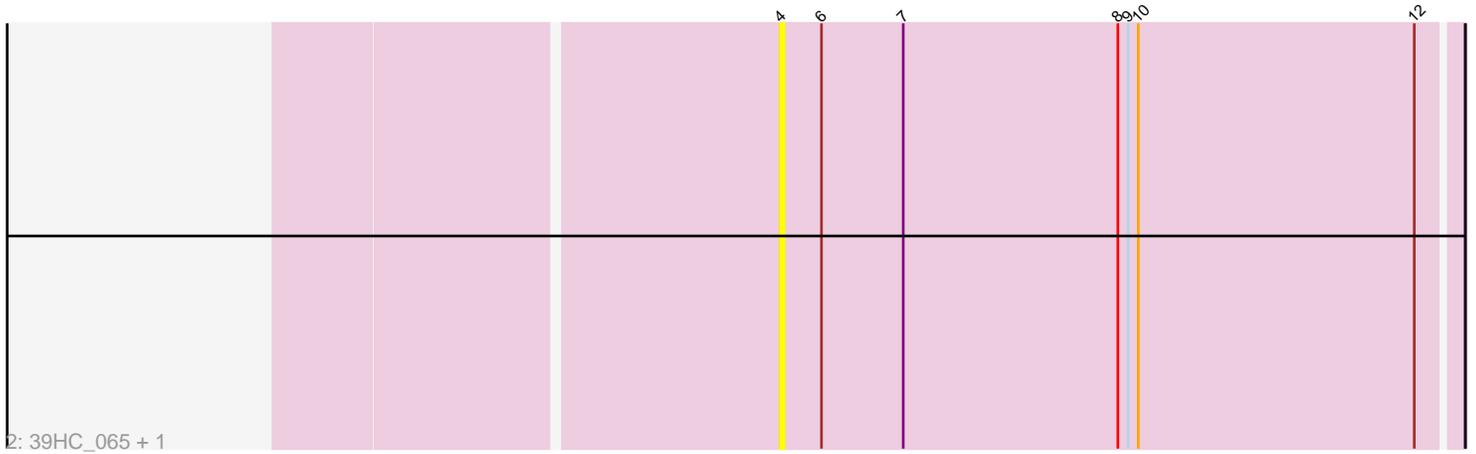
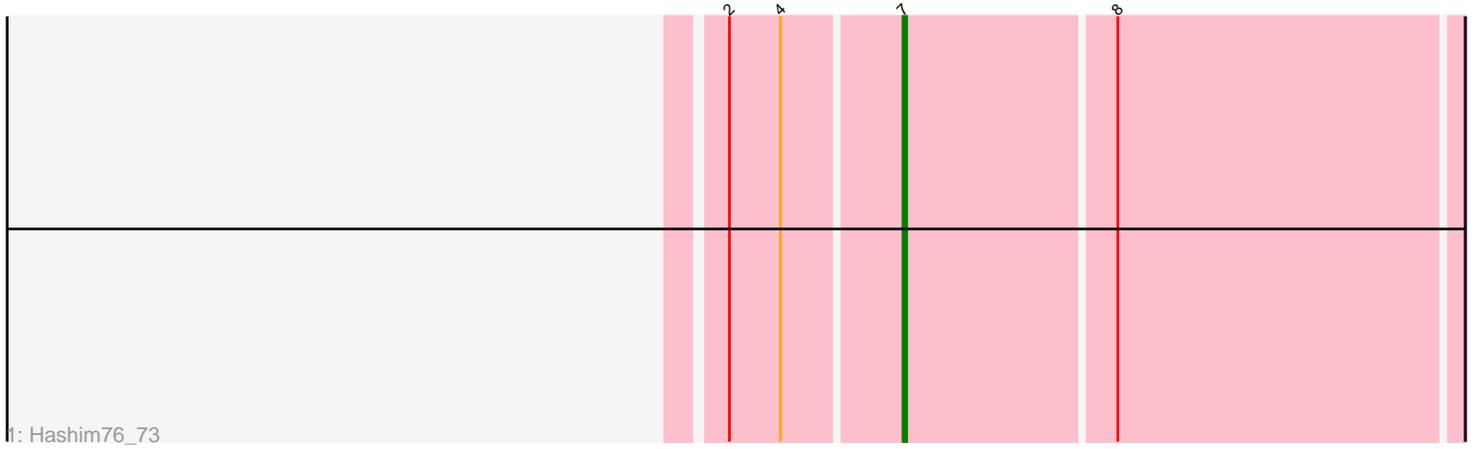


Pham 291983



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 291983 Report

This analysis was run 03/28/26 on database version 641.

Pham number 291983 has 4 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Hashim76_73
- Track 2 : 39HC_065, 40BC_065
- Track 3 : Rinke_66

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 1 of the 2 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Hashim76_73,

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

- 39HC_065, 40BC_065,

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

- Rinke_66,

Summary by start number:

Start 4:

- Found in 4 of 4 (100.0%) of genes in pham
- Manual Annotations of this start: 1 of 2
- Called 75.0% of time when present
- Phage (with cluster) where this start called: 39HC_065 (B6), 40BC_065 (B6), Rinke_66 (B9),

Start 7:

- Found in 3 of 4 (75.0%) of genes in pham
- Manual Annotations of this start: 1 of 2
- Called 33.3% of time when present
- Phage (with cluster) where this start called: Hashim76_73 (B13),

Summary by clusters:

There are 3 clusters represented in this pham: B6, B13, B9,

Info for manual annotations of cluster B13:

- Start number 7 was manually annotated 1 time for cluster B13.

Info for manual annotations of cluster B9:

- Start number 4 was manually annotated 1 time for cluster B9.

Gene Information:

Gene: 39HC_065 Start: 57490, Stop: 57687, Start Num: 4

Candidate Starts for 39HC_065:

(Start: 4 @57490 has 1 MA's), (6, 57502), (Start: 7 @57526 has 1 MA's), (8, 57589), (9, 57592), (10, 57595), (12, 57676),

Gene: 40BC_065 Start: 57490, Stop: 57687, Start Num: 4

Candidate Starts for 40BC_065:

(Start: 4 @57490 has 1 MA's), (6, 57502), (Start: 7 @57526 has 1 MA's), (8, 57589), (9, 57592), (10, 57595), (12, 57676),

Gene: Hashim76_73 Start: 59194, Stop: 59352, Start Num: 7

Candidate Starts for Hashim76_73:

(2, 59146), (Start: 4 @59161 has 1 MA's), (Start: 7 @59194 has 1 MA's), (8, 59254),

Gene: Rinke_66 Start: 58602, Stop: 58799, Start Num: 4

Candidate Starts for Rinke_66:

(1, 58407), (3, 58596), (Start: 4 @58602 has 1 MA's), (5, 58611), (11, 58770),