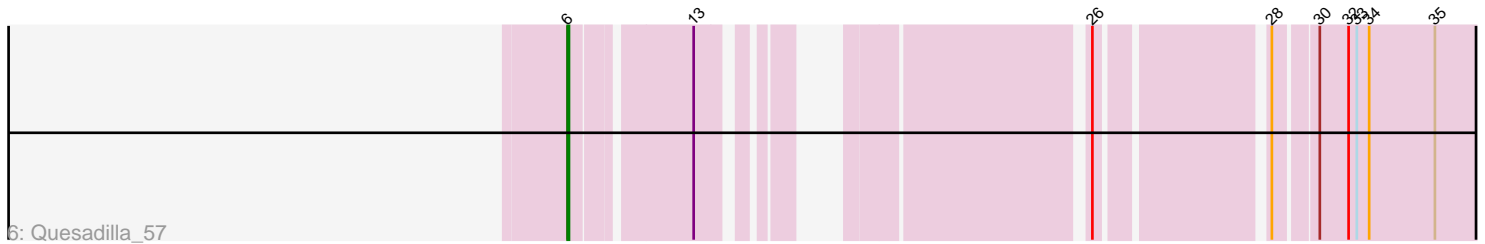
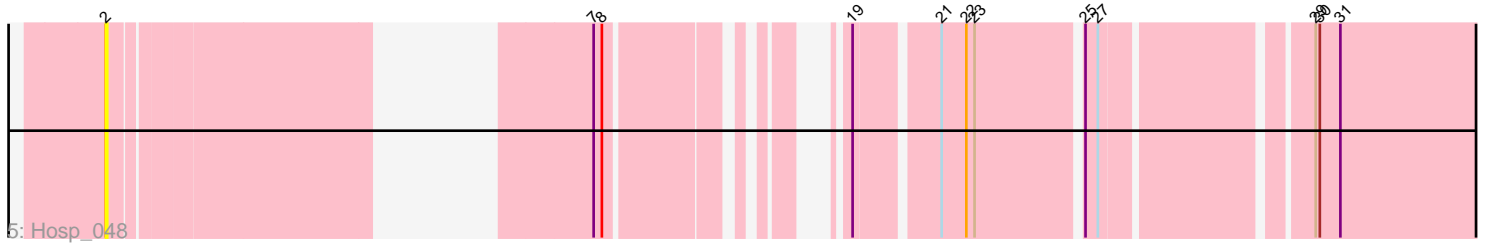
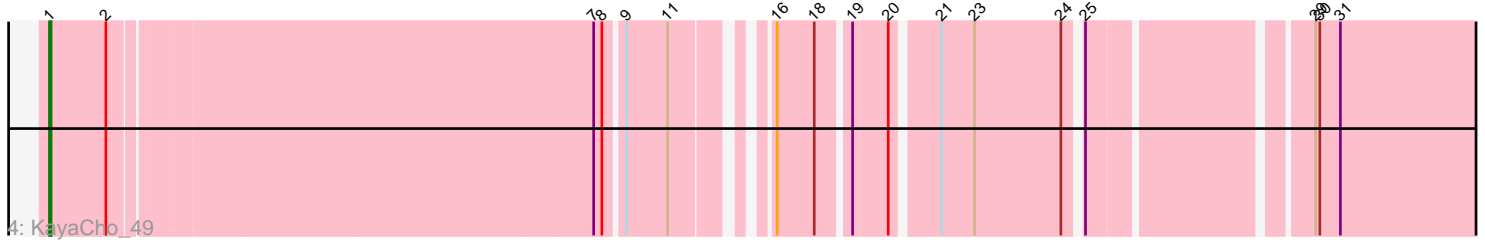
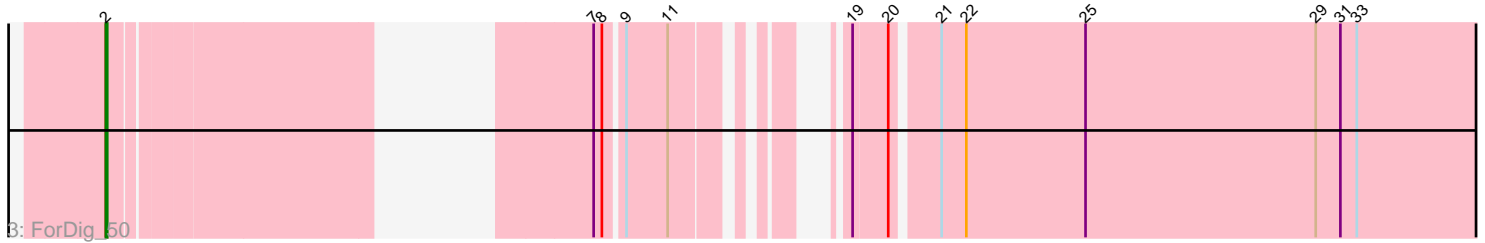
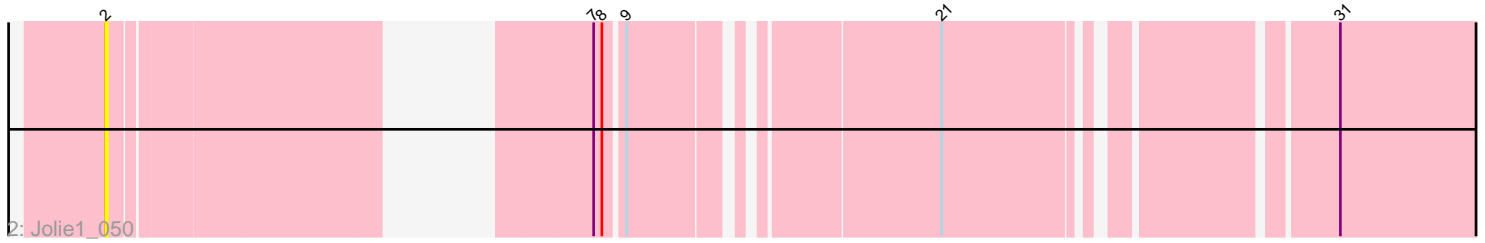
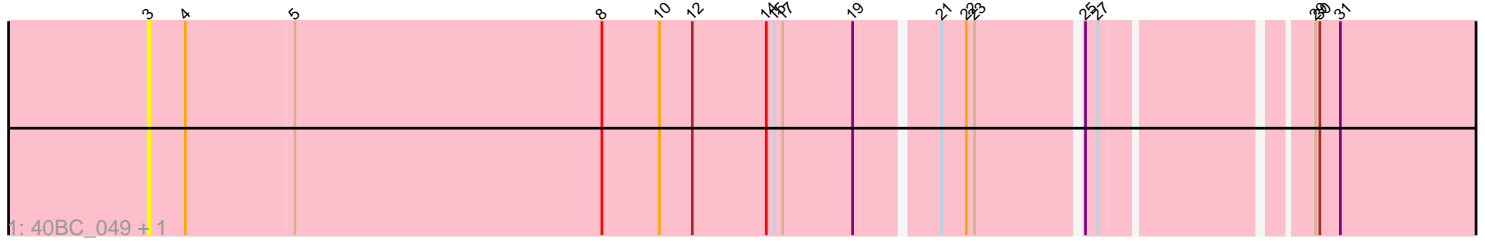


Pham 278970



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 278970 Report

This analysis was run 02/07/26 on database version 634.

Pham number 278970 has 7 members, 4 are drafts.

Phages represented in each track:

- Track 1 : 40BC_049, 39HC_049
- Track 2 : Jolie1_050
- Track 3 : ForDig_50
- Track 4 : KayaCho_49
- Track 5 : Hosp_048
- Track 6 : Quesadilla_57

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

The start number called the most often in the published annotations is 1, it was called in 1 of the 3 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- KayaCho_49,

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

-

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

- 39HC_049, 40BC_049, ForDig_50, Hosp_048, Jolie1_050, Quesadilla_57,

Summary by start number:

Start 1:

- Found in 1 of 7 (14.3%) of genes in pham
- Manual Annotations of this start: 1 of 3
- Called 100.0% of time when present
- Phage (with cluster) where this start called: KayaCho_49 (B6),

Start 2:

- Found in 4 of 7 (57.1%) of genes in pham
- Manual Annotations of this start: 1 of 3
- Called 75.0% of time when present

- Phage (with cluster) where this start called: ForDig_50 (B6), Hosp_048 (B6), Jolie1_050 (B6),

Start 3:

- Found in 2 of 7 (28.6%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: 39HC_049 (B6), 40BC_049 (B6),

Start 6:

- Found in 1 of 7 (14.3%) of genes in pham
- Manual Annotations of this start: 1 of 3
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Quesadilla_57 (B9),

Summary by clusters:

There are 2 clusters represented in this pham: B6, B9,

Info for manual annotations of cluster B6:

- Start number 1 was manually annotated 1 time for cluster B6.
- Start number 2 was manually annotated 1 time for cluster B6.

Info for manual annotations of cluster B9:

- Start number 6 was manually annotated 1 time for cluster B9.

Gene Information:

Gene: 39HC_049 Start: 49995, Stop: 49036, Start Num: 3

Candidate Starts for 39HC_049:

(3, 49995), (4, 49968), (5, 49890), (8, 49668), (10, 49626), (12, 49602), (14, 49548), (15, 49542), (17, 49536), (19, 49485), (21, 49431), (22, 49413), (23, 49407), (25, 49335), (27, 49326), (29, 49191), (30, 49188), (31, 49173),

Gene: 40BC_049 Start: 49995, Stop: 49036, Start Num: 3

Candidate Starts for 40BC_049:

(3, 49995), (4, 49968), (5, 49890), (8, 49668), (10, 49626), (12, 49602), (14, 49548), (15, 49542), (17, 49536), (19, 49485), (21, 49431), (22, 49413), (23, 49407), (25, 49335), (27, 49326), (29, 49191), (30, 49188), (31, 49173),

Gene: ForDig_50 Start: 50079, Stop: 49225, Start Num: 2

Candidate Starts for ForDig_50:

(Start: 2 @50079 has 1 MA's), (7, 49830), (8, 49824), (9, 49812), (11, 49782), (19, 49710), (20, 49686), (21, 49656), (22, 49638), (25, 49551), (29, 49383), (31, 49365), (33, 49353),

Gene: Hosp_048 Start: 48278, Stop: 47463, Start Num: 2

Candidate Starts for Hosp_048:

(Start: 2 @48278 has 1 MA's), (7, 48032), (8, 48026), (19, 47912), (21, 47858), (22, 47840), (23, 47834), (25, 47762), (27, 47753), (29, 47618), (30, 47615), (31, 47600),

Gene: Jolie1_050 Start: 50185, Stop: 49319, Start Num: 2

Candidate Starts for Jolie1_050:

(Start: 2 @50185 has 1 MA's), (7, 49930), (8, 49924), (9, 49912), (21, 49714), (31, 49468),

Gene: KayaCho_49 Start: 50035, Stop: 49061, Start Num: 1

Candidate Starts for KayaCho_49:

(Start: 1 @50035 has 1 MA's), (Start: 2 @49996 has 1 MA's), (7, 49657), (8, 49651), (9, 49639), (11, 49609), (16, 49558), (18, 49531), (19, 49510), (20, 49486), (21, 49456), (23, 49432), (24, 49369), (25, 49360), (29, 49216), (30, 49213), (31, 49198),

Gene: Quesadilla_57 Start: 53051, Stop: 52476, Start Num: 6

Candidate Starts for Quesadilla_57:

(Start: 6 @53051 has 1 MA's), (13, 52973), (26, 52760), (28, 52652), (30, 52625), (32, 52604), (33, 52598), (34, 52589), (35, 52541),