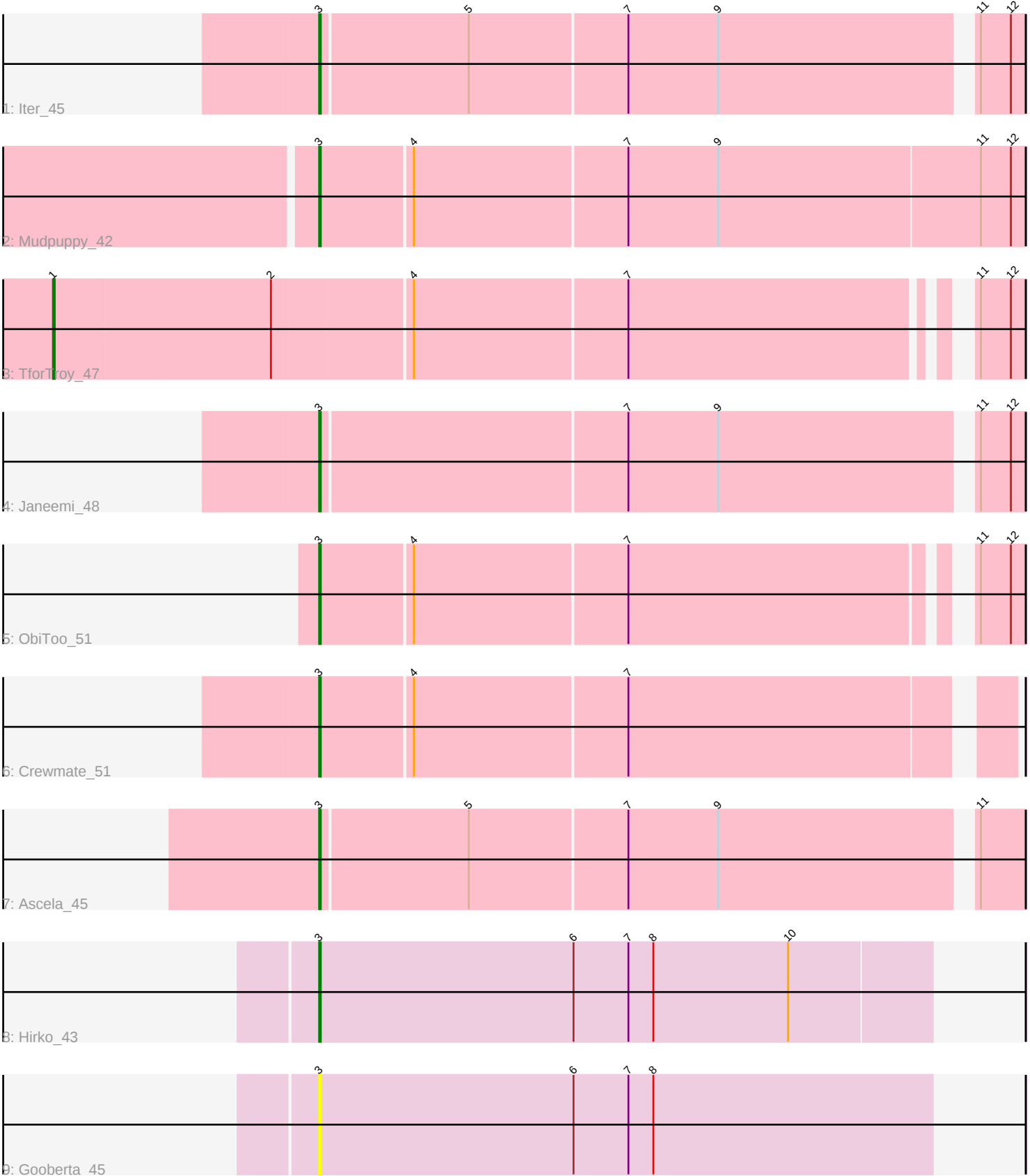


Pham 284454



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 284454 Report

This analysis was run 02/23/26 on database version 636.

Pham number 284454 has 9 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Iter_45
- Track 2 : Mudpuppy_42
- Track 3 : TforTroy_47
- Track 4 : Janeemi_48
- Track 5 : ObiToo_51
- Track 6 : Crewmate_51
- Track 7 : Ascela_45
- Track 8 : Hirko_43
- Track 9 : Gooberta_45

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

The start number called the most often in the published annotations is 3, it was called in 7 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Ascela_45, Crewmate_51, Gooberta_45, Hirko_43, Iter_45, Janeemi_48, Mudpuppy_42, ObiToo_51,

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

-

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

- TforTroy_47,

Summary by start number:

Start 1:

- Found in 1 of 9 (11.1%) of genes in pham
- Manual Annotations of this start: 1 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: TforTroy_47 (AZ1),

Start 3:

- Found in 8 of 9 (88.9%) 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: Ascela_45 (AZ1), Crewmate_51 (AZ1), Gooberta_45 (FL), Hirko_43 (FL), Iter_45 (AZ1), Janeemi_48 (AZ1), Mudpuppy_42 (AZ1), ObiToo_51 (AZ1),

Summary by clusters:

There are 2 clusters represented in this pham: AZ1, FL,

Info for manual annotations of cluster AZ1:

- Start number 1 was manually annotated 1 time for cluster AZ1.
- Start number 3 was manually annotated 6 times for cluster AZ1.

Info for manual annotations of cluster FL:

- Start number 3 was manually annotated 1 time for cluster FL.

Gene Information:

Gene: Ascela_45 Start: 33111, Stop: 33515, Start Num: 3

Candidate Starts for Ascela_45:

(Start: 3 @33111 has 7 MA's), (5, 33198), (7, 33291), (9, 33345), (11, 33489),

Gene: Crewmate_51 Start: 33740, Stop: 34135, Start Num: 3

Candidate Starts for Crewmate_51:

(Start: 3 @33740 has 7 MA's), (4, 33794), (7, 33920),

Gene: Gooberta_45 Start: 35304, Stop: 35672, Start Num: 3

Candidate Starts for Gooberta_45:

(Start: 3 @35304 has 7 MA's), (6, 35457), (7, 35490), (8, 35505),

Gene: Hirko_43 Start: 34532, Stop: 34897, Start Num: 3

Candidate Starts for Hirko_43:

(Start: 3 @34532 has 7 MA's), (6, 34685), (7, 34718), (8, 34733), (10, 34814),

Gene: Iter_45 Start: 33105, Stop: 33509, Start Num: 3

Candidate Starts for Iter_45:

(Start: 3 @33105 has 7 MA's), (5, 33192), (7, 33285), (9, 33339), (11, 33483), (12, 33501),

Gene: Janeemi_48 Start: 35112, Stop: 35516, Start Num: 3

Candidate Starts for Janeemi_48:

(Start: 3 @35112 has 7 MA's), (7, 35292), (9, 35346), (11, 35490), (12, 35508),

Gene: Mudpuppy_42 Start: 33064, Stop: 33480, Start Num: 3

Candidate Starts for Mudpuppy_42:

(Start: 3 @33064 has 7 MA's), (4, 33118), (7, 33244), (9, 33298), (11, 33454), (12, 33472),

Gene: ObiToo_51 Start: 34185, Stop: 34577, Start Num: 3

Candidate Starts for ObiToo_51:

(Start: 3 @34185 has 7 MA's), (4, 34239), (7, 34365), (11, 34551), (12, 34569),

Gene: TforTroy_47 Start: 33428, Stop: 33973, Start Num: 1

Candidate Starts for TforTroy_47:

(Start: 1 @33428 has 1 MA's), (2, 33557), (4, 33638), (7, 33764), (11, 33947), (12, 33965),