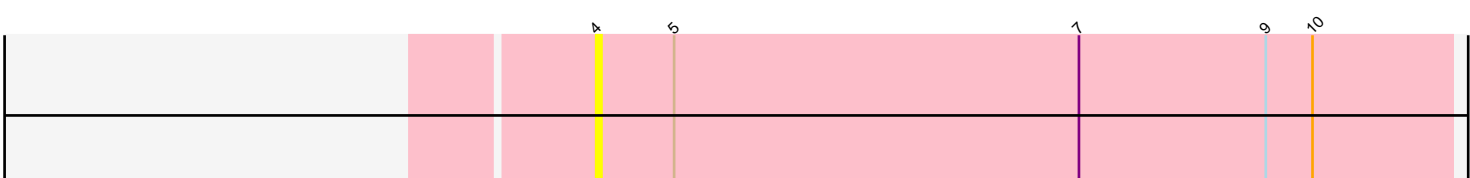
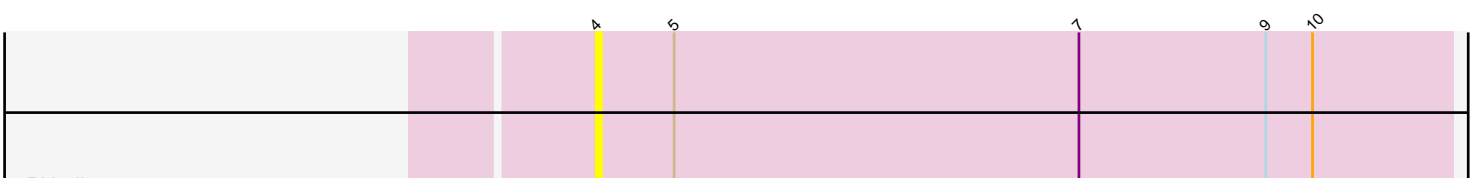


Pham 89050



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 89050 Report

This analysis was run 04/28/24 on database version 559.

Pham number 89050 has 8 members, 4 are drafts.

Phages represented in each track:

- Track 1 : BrayBeast_45
- Track 2 : Kukla_74
- Track 3 : TripleJ_70
- Track 4 : Zucker_57
- Track 5 : Bauer_54
- Track 6 : Hum25_66
- Track 7 : Pitbull_68
- Track 8 : MrSmee_68

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 4 of the 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Bauer_54, BrayBeast_45, TripleJ_70, Zucker_57,

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

- Kukla_74,

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

- Hum25_66, MrSmee_68, Pitbull_68,

Summary by start number:

Start 2:

- Found in 5 of 8 (62.5%) of genes in pham
- Manual Annotations of this start: 4 of 4
- Called 80.0% of time when present
- Phage (with cluster) where this start called: Bauer_54 (FN), BrayBeast_45 (FB), TripleJ_70 (FJ), Zucker_57 (FN),

Start 3:

- Found in 2 of 8 (25.0%) of genes in pham

- No Manual Annotations of this start.
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Kukla_74 (FJ),

Start 4:

- Found in 3 of 8 (37.5%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Hum25_66 (FQ), MrSmee_68 (UNK), Pitbull_68 (FQ),

Summary by clusters:

There are 5 clusters represented in this pham: FQ, FB, UNK, FJ, FN,

Info for manual annotations of cluster FB:

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

Info for manual annotations of cluster FJ:

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

Info for manual annotations of cluster FN:

- Start number 2 was manually annotated 2 times for cluster FN.

Gene Information:

Gene: Bauer_54 Start: 32183, Stop: 32374, Start Num: 2

Candidate Starts for Bauer_54:

(Start: 2 @32183 has 4 MA's), (3, 32198), (7, 32300), (8, 32303),

Gene: BrayBeast_45 Start: 28181, Stop: 28372, Start Num: 2

Candidate Starts for BrayBeast_45:

(Start: 2 @28181 has 4 MA's), (6, 28241), (7, 28298), (8, 28301),

Gene: Hum25_66 Start: 38012, Stop: 38176, Start Num: 4

Candidate Starts for Hum25_66:

(4, 38012), (5, 38027), (7, 38105), (8, 38108),

Gene: Kukla_74 Start: 41712, Stop: 41888, Start Num: 3

Candidate Starts for Kukla_74:

(1, 41613), (Start: 2 @41697 has 4 MA's), (3, 41712), (7, 41814),

Gene: MrSmee_68 Start: 37325, Stop: 37489, Start Num: 4

Candidate Starts for MrSmee_68:

(4, 37325), (5, 37340), (7, 37418), (9, 37454), (10, 37463),

Gene: Pitbull_68 Start: 37427, Stop: 37591, Start Num: 4

Candidate Starts for Pitbull_68:

(4, 37427), (5, 37442), (7, 37520), (9, 37556), (10, 37565),

Gene: TripleJ_70 Start: 40712, Stop: 40909, Start Num: 2
Candidate Starts for TripleJ_70:
(Start: 2 @40712 has 4 MA's), (7, 40829), (8, 40832),

Gene: Zucker_57 Start: 34311, Stop: 34502, Start Num: 2
Candidate Starts for Zucker_57:
(Start: 2 @34311 has 4 MA's), (7, 34428),