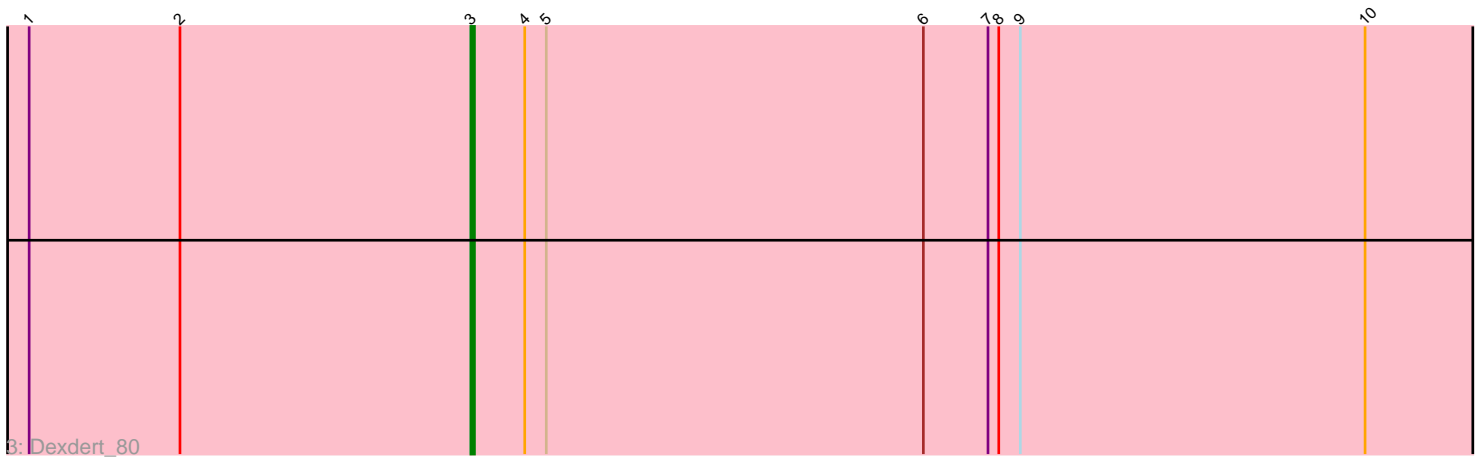
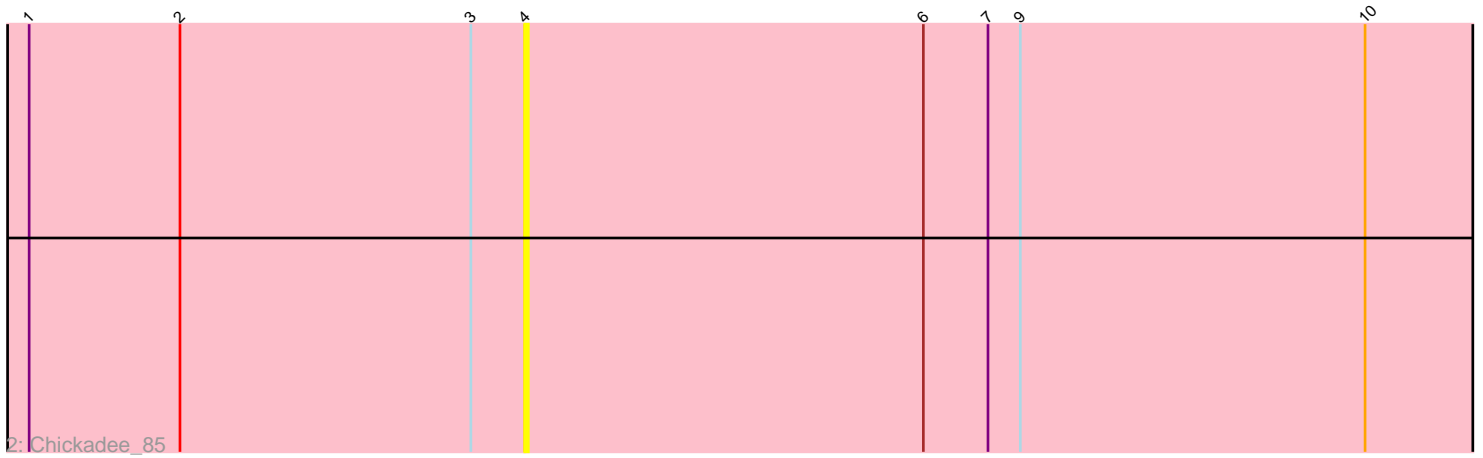
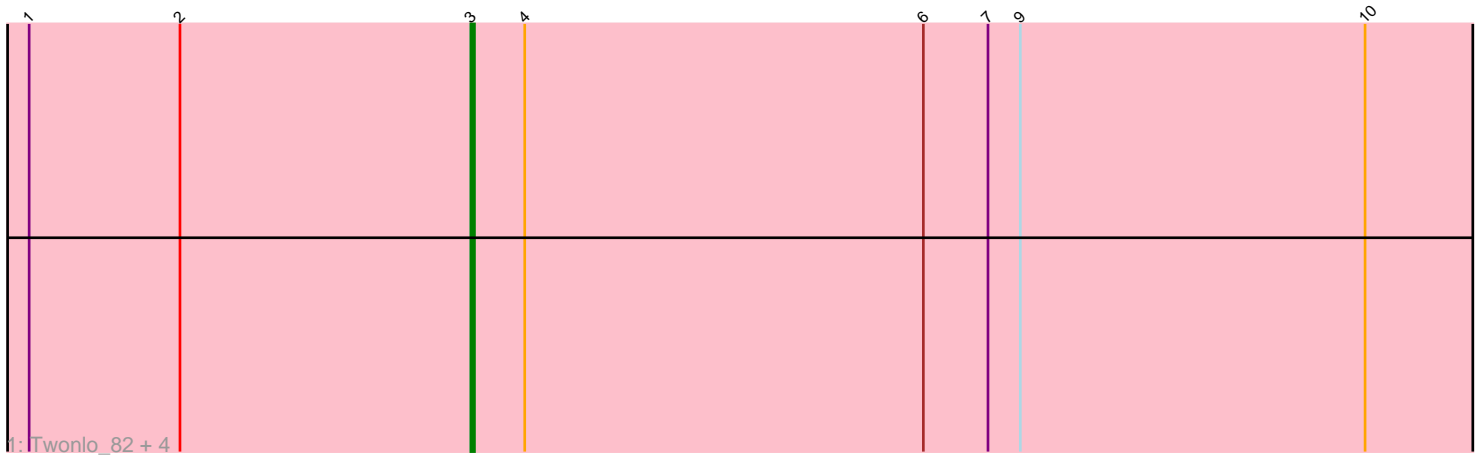


Pham 8537



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 8537 Report

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

Pham number 8537 has 7 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Twonlo_82, EdmundFerry_83, RoadKill_82, Tiamoceli_78, Kwekel_85
- Track 2 : Chickadee_85
- Track 3 : Dexdert_80

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 6 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Dexdert_80, EdmundFerry_83, Kwekel_85, RoadKill_82, Tiamoceli_78, Twonlo_82,

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

- Chickadee_85,

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

-

Summary by start number:

Start 3:

- Found in 7 of 7 (100.0%) of genes in pham
- Manual Annotations of this start: 6 of 6
- Called 85.7% of time when present
- Phage (with cluster) where this start called: Dexdert_80 (DE3), EdmundFerry_83 (DE3), Kwekel_85 (DE3), RoadKill_82 (DE3), Tiamoceli_78 (DE3), Twonlo_82 (DE3),

Start 4:

- Found in 7 of 7 (100.0%) of genes in pham
- No Manual Annotations of this start.
- Called 14.3% of time when present
- Phage (with cluster) where this start called: Chickadee_85 (DE3),

Summary by clusters:

There is one cluster represented in this pham: DE3

Info for manual annotations of cluster DE3:

- Start number 3 was manually annotated 6 times for cluster DE3.

Gene Information:

Gene: Chickadee_85 Start: 55221, Stop: 55583, Start Num: 4

Candidate Starts for Chickadee_85:

(1, 55083), (2, 55125), (Start: 3 @55206 has 6 MA's), (4, 55221), (6, 55332), (7, 55350), (9, 55359), (10, 55455),

Gene: Dexdert_80 Start: 53715, Stop: 54092, Start Num: 3

Candidate Starts for Dexdert_80:

(1, 53592), (2, 53634), (Start: 3 @53715 has 6 MA's), (4, 53730), (5, 53736), (6, 53841), (7, 53859), (8, 53862), (9, 53868), (10, 53964),

Gene: EdmundFerry_83 Start: 54749, Stop: 55126, Start Num: 3

Candidate Starts for EdmundFerry_83:

(1, 54626), (2, 54668), (Start: 3 @54749 has 6 MA's), (4, 54764), (6, 54875), (7, 54893), (9, 54902), (10, 54998),

Gene: Kwekel_85 Start: 55119, Stop: 55496, Start Num: 3

Candidate Starts for Kwekel_85:

(1, 54996), (2, 55038), (Start: 3 @55119 has 6 MA's), (4, 55134), (6, 55245), (7, 55263), (9, 55272), (10, 55368),

Gene: RoadKill_82 Start: 54648, Stop: 55025, Start Num: 3

Candidate Starts for RoadKill_82:

(1, 54525), (2, 54567), (Start: 3 @54648 has 6 MA's), (4, 54663), (6, 54774), (7, 54792), (9, 54801), (10, 54897),

Gene: Tiamoceli_78 Start: 54538, Stop: 54915, Start Num: 3

Candidate Starts for Tiamoceli_78:

(1, 54415), (2, 54457), (Start: 3 @54538 has 6 MA's), (4, 54553), (6, 54664), (7, 54682), (9, 54691), (10, 54787),

Gene: Twonlo_82 Start: 55239, Stop: 55616, Start Num: 3

Candidate Starts for Twonlo_82:

(1, 55116), (2, 55158), (Start: 3 @55239 has 6 MA's), (4, 55254), (6, 55365), (7, 55383), (9, 55392), (10, 55488),