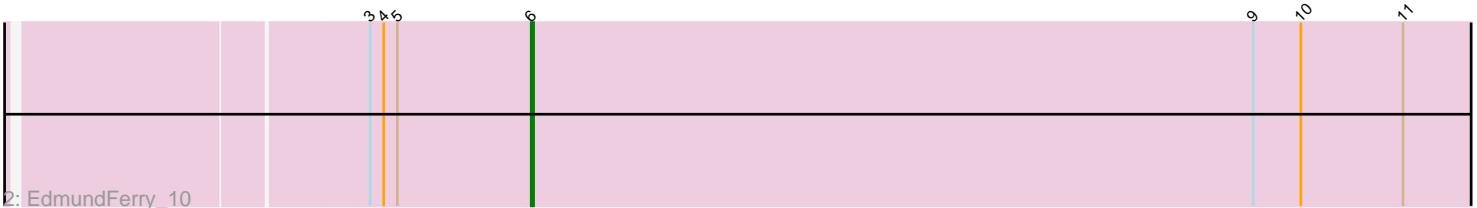
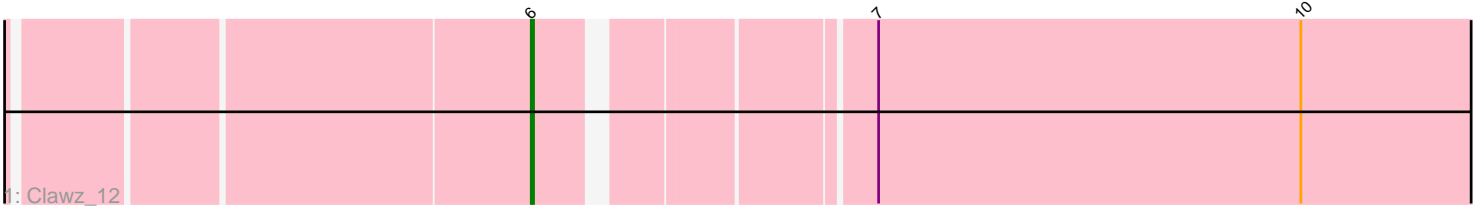


Pham 87806



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 87806 Report

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

Pham number 87806 has 9 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Clawz_12
- Track 2 : EdmundFerry_10
- Track 3 : Chickadee_11, GTE6_12
- Track 4 : Dexdert_12
- Track 5 : Tiamoceli_12
- Track 6 : Kwekel_11
- Track 7 : RoadKill_9, Twonlo_9

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 5 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Dexdert_12, Kwekel_11, RoadKill_9, Tiamoceli_12, Twonlo_9,

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

- Chickadee_11, EdmundFerry_10, GTE6_12,

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

- Clawz_12,

Summary by start number:

Start 3:

- Found in 8 of 9 (88.9%) of genes in pham
- Manual Annotations of this start: 5 of 7
- Called 62.5% of time when present
- Phage (with cluster) where this start called: Dexdert_12 (DE3), Kwekel_11 (DE3), RoadKill_9 (DE3), Tiamoceli_12 (DE3), Twonlo_9 (DE3),

Start 6:

- Found in 9 of 9 (100.0%) of genes in pham
- Manual Annotations of this start: 2 of 7

- Called 44.4% of time when present
- Phage (with cluster) where this start called: Chickadee_11 (DE3), Clawz_12 (CP), EdmundFerry_10 (DE3), GTE6_12 (DE3),

Summary by clusters:

There are 2 clusters represented in this pham: CP, DE3,

Info for manual annotations of cluster CP:

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

Info for manual annotations of cluster DE3:

- Start number 3 was manually annotated 5 times for cluster DE3.
- Start number 6 was manually annotated 1 time for cluster DE3.

Gene Information:

Gene: Chickadee_11 Start: 4846, Stop: 5286, Start Num: 6

Candidate Starts for Chickadee_11:

(Start: 3 @4777 has 5 MA's), (4, 4783), (5, 4789), (Start: 6 @4846 has 2 MA's), (8, 5023), (9, 5164), (10, 5185), (11, 5230),

Gene: Clawz_12 Start: 5927, Stop: 6343, Start Num: 6

Candidate Starts for Clawz_12:

(Start: 6 @5927 has 2 MA's), (7, 6056), (10, 6242),

Gene: Dexdert_12 Start: 5235, Stop: 5744, Start Num: 3

Candidate Starts for Dexdert_12:

(1, 5112), (Start: 3 @5235 has 5 MA's), (4, 5241), (5, 5247), (Start: 6 @5304 has 2 MA's), (8, 5481), (9, 5622), (10, 5643), (11, 5688),

Gene: EdmundFerry_10 Start: 4861, Stop: 5301, Start Num: 6

Candidate Starts for EdmundFerry_10:

(Start: 3 @4792 has 5 MA's), (4, 4798), (5, 4804), (Start: 6 @4861 has 2 MA's), (9, 5179), (10, 5200), (11, 5245),

Gene: GTE6_12 Start: 5362, Stop: 5802, Start Num: 6

Candidate Starts for GTE6_12:

(Start: 3 @5293 has 5 MA's), (4, 5299), (5, 5305), (Start: 6 @5362 has 2 MA's), (8, 5539), (9, 5680), (10, 5701), (11, 5746),

Gene: Kwekel_11 Start: 4787, Stop: 5296, Start Num: 3

Candidate Starts for Kwekel_11:

(2, 4670), (Start: 3 @4787 has 5 MA's), (4, 4793), (5, 4799), (Start: 6 @4856 has 2 MA's), (9, 5174), (10, 5195), (11, 5240),

Gene: RoadKill_9 Start: 4248, Stop: 4757, Start Num: 3

Candidate Starts for RoadKill_9:

(Start: 3 @4248 has 5 MA's), (4, 4254), (5, 4260), (Start: 6 @4317 has 2 MA's), (8, 4494), (9, 4635), (10, 4656), (11, 4701),

Gene: Tiamoceli_12 Start: 5631, Stop: 6140, Start Num: 3

Candidate Starts for Tiamoceli_12:

(Start: 3 @5631 has 5 MA's), (4, 5637), (5, 5643), (Start: 6 @5700 has 2 MA's), (8, 5877), (9, 6018), (10, 6039), (11, 6084),

Gene: Twonlo_9 Start: 4248, Stop: 4757, Start Num: 3

Candidate Starts for Twonlo_9:

(Start: 3 @4248 has 5 MA's), (4, 4254), (5, 4260), (Start: 6 @4317 has 2 MA's), (8, 4494), (9, 4635), (10, 4656), (11, 4701),