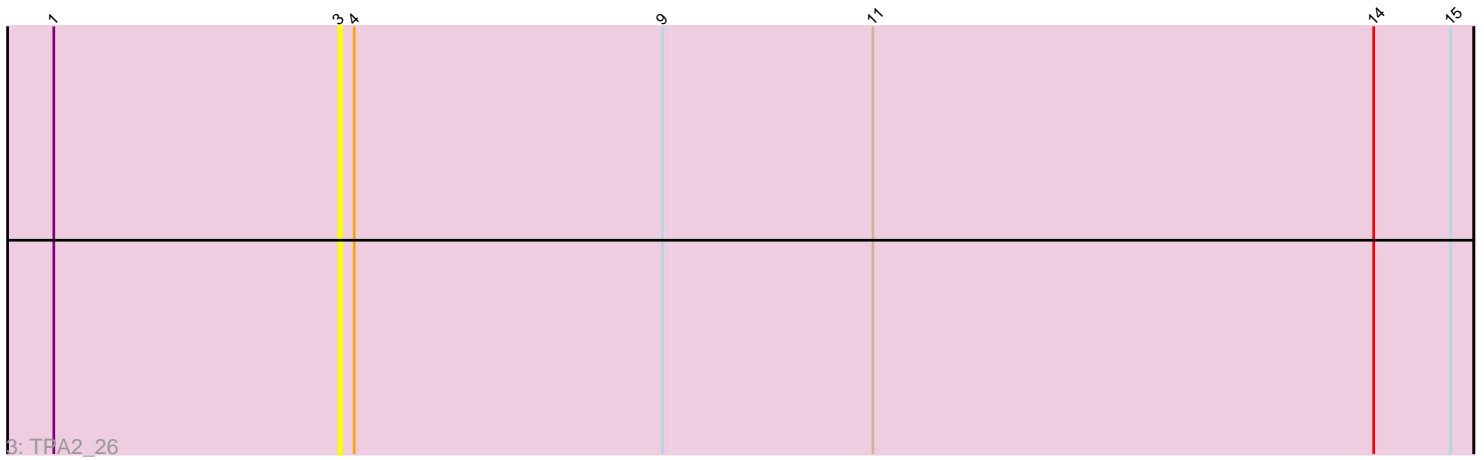
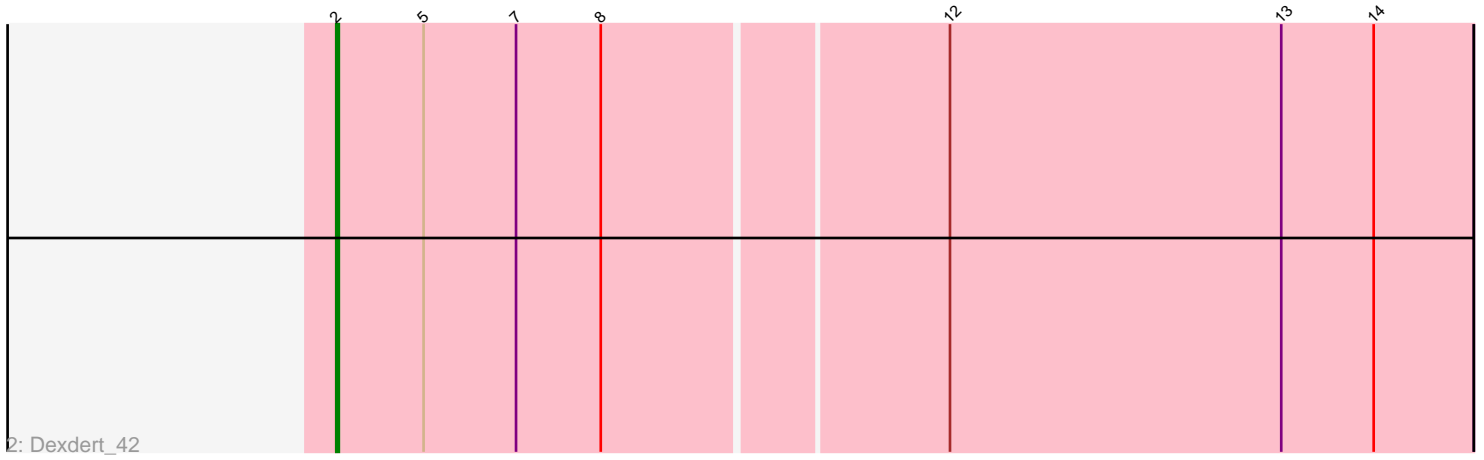
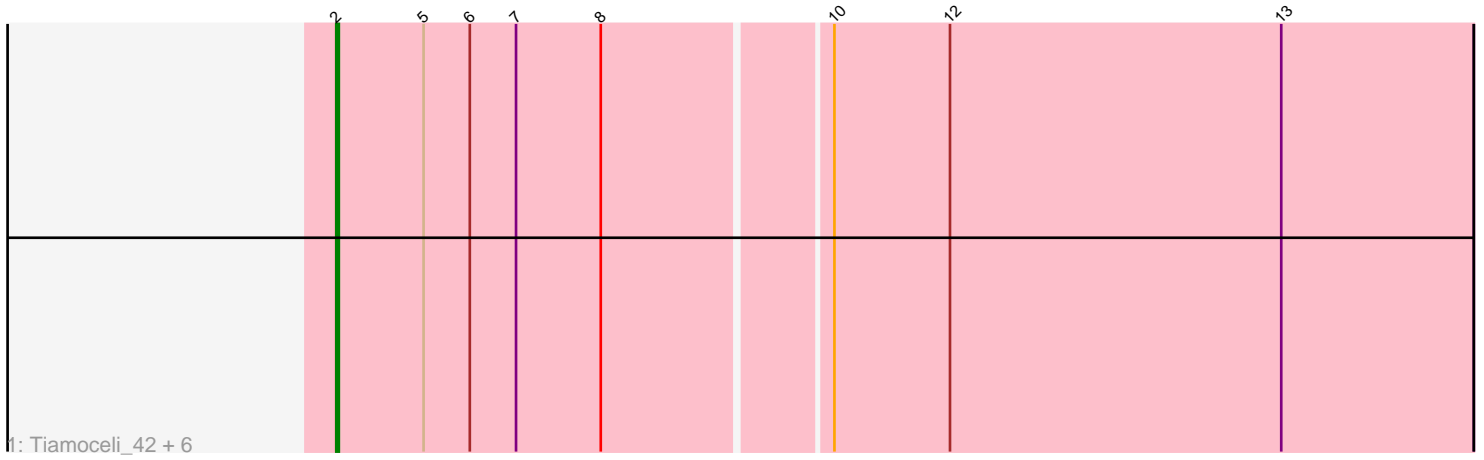


Pham 6941



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 6941 Report

This analysis was run 07/09/24 on database version 566.

Pham number 6941 has 9 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Tiamoceli_42, Kwekel_41, GTE6_41, RoadKill_39, Chickadee_41, Twonlo_39, EdmundFerry_40
- Track 2 : Dexdert_42
- Track 3 : TPA2_26

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

Genes that call this "Most Annotated" start:

- Chickadee_41, Dexdert_42, EdmundFerry_40, GTE6_41, Kwekel_41, RoadKill_39, Tiamoceli_42, Twonlo_39,

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

-

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

- TPA2_26,

Summary by start number:

Start 2:

- Found in 8 of 9 (88.9%) of genes in pham
- Manual Annotations of this start: 7 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Chickadee_41 (DE3), Dexdert_42 (DE3), EdmundFerry_40 (DE3), GTE6_41 (DE3), Kwekel_41 (DE3), RoadKill_39 (DE3), Tiamoceli_42 (DE3), Twonlo_39 (DE3),

Start 3:

- Found in 1 of 9 (11.1%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present

- Phage (with cluster) where this start called: TPA2_26 (singleton),

Summary by clusters:

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

Info for manual annotations of cluster DE3:

- Start number 2 was manually annotated 7 times for cluster DE3.

Gene Information:

Gene: Chickadee_41 Start: 36536, Stop: 36970, Start Num: 2

Candidate Starts for Chickadee_41:

(Start: 2 @36536 has 7 MA's), (5, 36569), (6, 36587), (7, 36605), (8, 36638), (10, 36722), (12, 36767), (13, 36896),

Gene: Dextert_42 Start: 36796, Stop: 37230, Start Num: 2

Candidate Starts for Dextert_42:

(Start: 2 @36796 has 7 MA's), (5, 36829), (7, 36865), (8, 36898), (12, 37027), (13, 37156), (14, 37192),

Gene: EdmundFerry_40 Start: 36565, Stop: 36999, Start Num: 2

Candidate Starts for EdmundFerry_40:

(Start: 2 @36565 has 7 MA's), (5, 36598), (6, 36616), (7, 36634), (8, 36667), (10, 36751), (12, 36796), (13, 36925),

Gene: GTE6_41 Start: 37057, Stop: 37491, Start Num: 2

Candidate Starts for GTE6_41:

(Start: 2 @37057 has 7 MA's), (5, 37090), (6, 37108), (7, 37126), (8, 37159), (10, 37243), (12, 37288), (13, 37417),

Gene: Kwekel_41 Start: 36497, Stop: 36931, Start Num: 2

Candidate Starts for Kwekel_41:

(Start: 2 @36497 has 7 MA's), (5, 36530), (6, 36548), (7, 36566), (8, 36599), (10, 36683), (12, 36728), (13, 36857),

Gene: RoadKill_39 Start: 36060, Stop: 36494, Start Num: 2

Candidate Starts for RoadKill_39:

(Start: 2 @36060 has 7 MA's), (5, 36093), (6, 36111), (7, 36129), (8, 36162), (10, 36246), (12, 36291), (13, 36420),

Gene: TPA2_26 Start: 16553, Stop: 16993, Start Num: 3

Candidate Starts for TPA2_26:

(1, 16442), (3, 16553), (4, 16559), (9, 16679), (11, 16760), (14, 16955), (15, 16985),

Gene: Tiamoceli_42 Start: 37393, Stop: 37827, Start Num: 2

Candidate Starts for Tiamoceli_42:

(Start: 2 @37393 has 7 MA's), (5, 37426), (6, 37444), (7, 37462), (8, 37495), (10, 37579), (12, 37624), (13, 37753),

Gene: Twonlo_39 Start: 36011, Stop: 36445, Start Num: 2

Candidate Starts for Twonlo_39:

(Start: 2 @36011 has 7 MA's), (5, 36044), (6, 36062), (7, 36080), (8, 36113), (10, 36197), (12, 36242), (13, 36371),