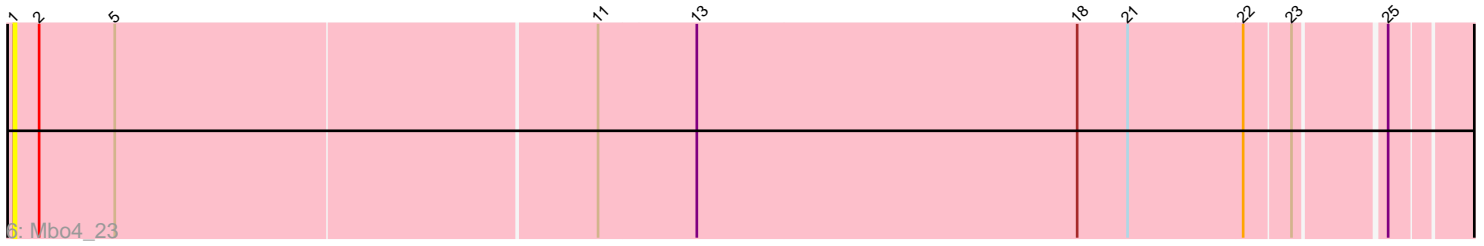
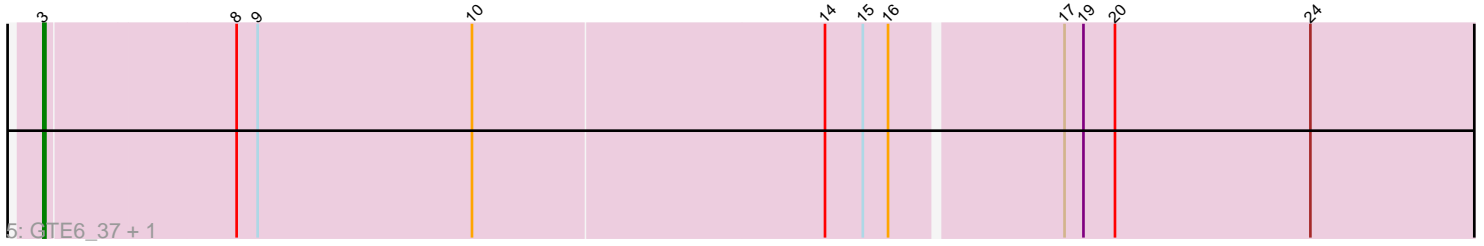
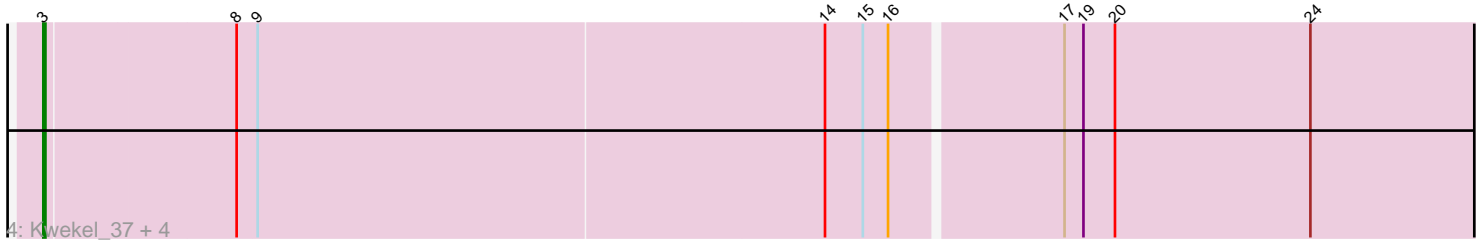
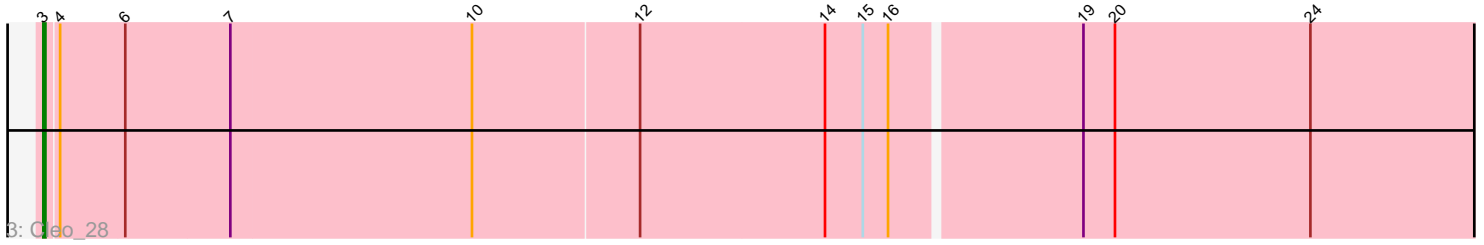
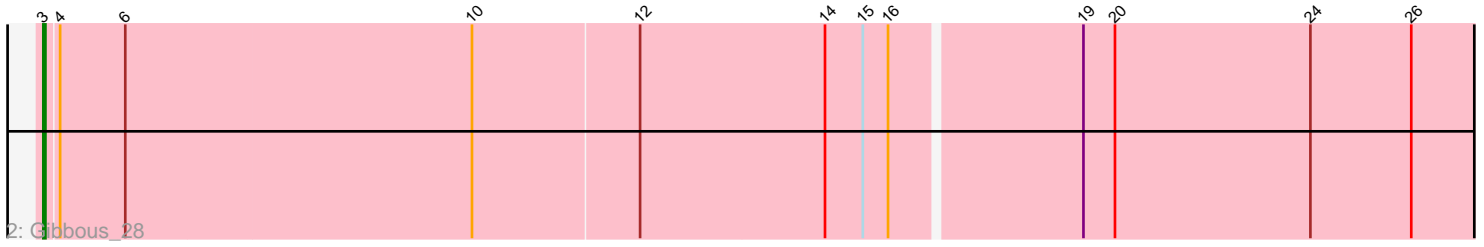
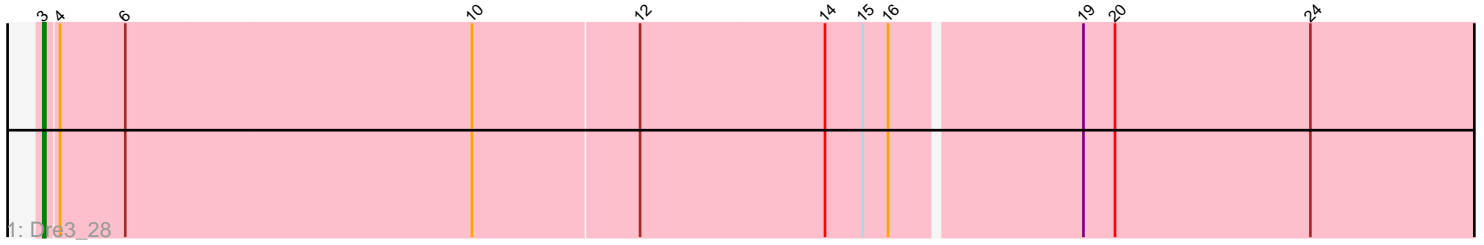


Pham 158354



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 158354 Report

This analysis was run 04/13/24 on database version 558.

Pham number 158354 has 11 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Dre3_28
- Track 2 : Gibbous_28
- Track 3 : Cleo_28
- Track 4 : Kwekel_37, Chickadee_37, Twonlo_35, RoadKill_35, EdmundFerry_36
- Track 5 : GTE6_37, Tiamoceli_38
- Track 6 : Mbo4_23

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 8 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Chickadee_37, Cleo_28, Dre3_28, EdmundFerry_36, GTE6_37, Gibbous_28, Kwekel_37, RoadKill_35, Tiamoceli_38, Twonlo_35,

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

-

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

- Mbo4_23,

Summary by start number:

Start 1:

- Found in 1 of 11 (9.1%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Mbo4_23 (singleton),

Start 3:

- Found in 10 of 11 (90.9%) of genes in pham
- Manual Annotations of this start: 8 of 8
- Called 100.0% of time when present

• Phage (with cluster) where this start called: Chickadee_37 (DE3), Cleo_28 (CT), Dre3_28 (CT), EdmundFerry_36 (DE3), GTE6_37 (DE3), Gibbous_28 (CT), Kwekel_37 (DE3), RoadKill_35 (DE3), Tiamoceli_38 (DE3), Twonlo_35 (DE3),

Summary by clusters:

There are 3 clusters represented in this pham: singleton, DE3, CT,

Info for manual annotations of cluster CT:

•Start number 3 was manually annotated 3 times for cluster CT.

Info for manual annotations of cluster DE3:

•Start number 3 was manually annotated 5 times for cluster DE3.

Gene Information:

Gene: Chickadee_37 Start: 33101, Stop: 33805, Start Num: 3

Candidate Starts for Chickadee_37:

(Start: 3 @33101 has 8 MA's), (8, 33188), (9, 33197), (14, 33464), (15, 33482), (16, 33494), (17, 33572), (19, 33581), (20, 33596), (24, 33689),

Gene: Cleo_28 Start: 23262, Stop: 23966, Start Num: 3

Candidate Starts for Cleo_28:

(Start: 3 @23262 has 8 MA's), (4, 23268), (6, 23298), (7, 23346), (10, 23460), (12, 23538), (14, 23625), (15, 23643), (16, 23655), (19, 23742), (20, 23757), (24, 23850),

Gene: Dre3_28 Start: 23188, Stop: 23892, Start Num: 3

Candidate Starts for Dre3_28:

(Start: 3 @23188 has 8 MA's), (4, 23194), (6, 23224), (10, 23386), (12, 23464), (14, 23551), (15, 23569), (16, 23581), (19, 23668), (20, 23683), (24, 23776),

Gene: EdmundFerry_36 Start: 33130, Stop: 33834, Start Num: 3

Candidate Starts for EdmundFerry_36:

(Start: 3 @33130 has 8 MA's), (8, 33217), (9, 33226), (14, 33493), (15, 33511), (16, 33523), (17, 33601), (19, 33610), (20, 33625), (24, 33718),

Gene: GTE6_37 Start: 33622, Stop: 34326, Start Num: 3

Candidate Starts for GTE6_37:

(Start: 3 @33622 has 8 MA's), (8, 33709), (9, 33718), (10, 33820), (14, 33985), (15, 34003), (16, 34015), (17, 34093), (19, 34102), (20, 34117), (24, 34210),

Gene: Gibbous_28 Start: 23188, Stop: 23892, Start Num: 3

Candidate Starts for Gibbous_28:

(Start: 3 @23188 has 8 MA's), (4, 23194), (6, 23224), (10, 23386), (12, 23464), (14, 23551), (15, 23569), (16, 23581), (19, 23668), (20, 23683), (24, 23776), (26, 23824),

Gene: Kwekel_37 Start: 33062, Stop: 33766, Start Num: 3

Candidate Starts for Kwekel_37:

(Start: 3 @33062 has 8 MA's), (8, 33149), (9, 33158), (14, 33425), (15, 33443), (16, 33455), (17, 33533), (19, 33542), (20, 33557), (24, 33650),

Gene: Mbo4_23 Start: 22116, Stop: 22823, Start Num: 1

Candidate Starts for Mbo4_23:

(1, 22116), (2, 22128), (5, 22164), (11, 22389), (13, 22434), (18, 22614), (21, 22638), (22, 22692), (23, 22713), (25, 22752),

Gene: RoadKill_35 Start: 32625, Stop: 33329, Start Num: 3

Candidate Starts for RoadKill_35:

(Start: 3 @32625 has 8 MA's), (8, 32712), (9, 32721), (14, 32988), (15, 33006), (16, 33018), (17, 33096), (19, 33105), (20, 33120), (24, 33213),

Gene: Tiamoceli_38 Start: 33958, Stop: 34662, Start Num: 3

Candidate Starts for Tiamoceli_38:

(Start: 3 @33958 has 8 MA's), (8, 34045), (9, 34054), (10, 34156), (14, 34321), (15, 34339), (16, 34351), (17, 34429), (19, 34438), (20, 34453), (24, 34546),

Gene: Twonlo_35 Start: 32576, Stop: 33280, Start Num: 3

Candidate Starts for Twonlo_35:

(Start: 3 @32576 has 8 MA's), (8, 32663), (9, 32672), (14, 32939), (15, 32957), (16, 32969), (17, 33047), (19, 33056), (20, 33071), (24, 33164),