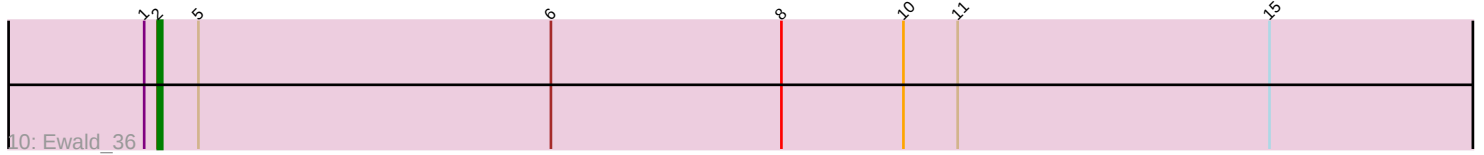
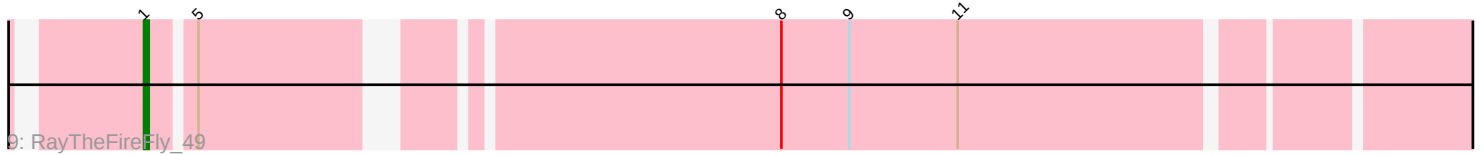
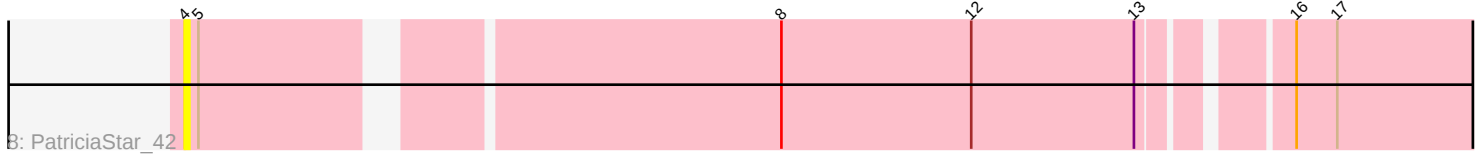
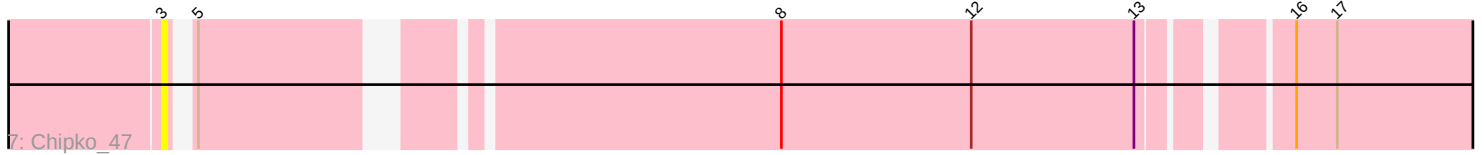
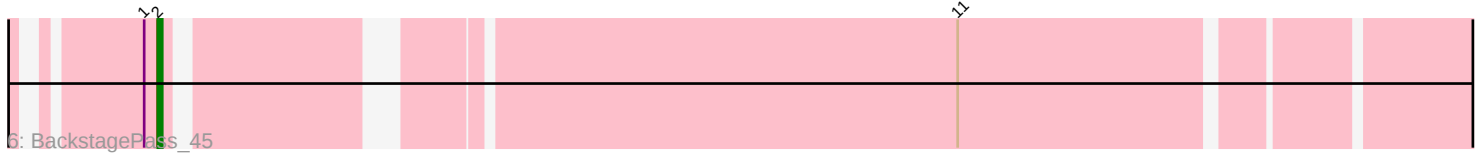
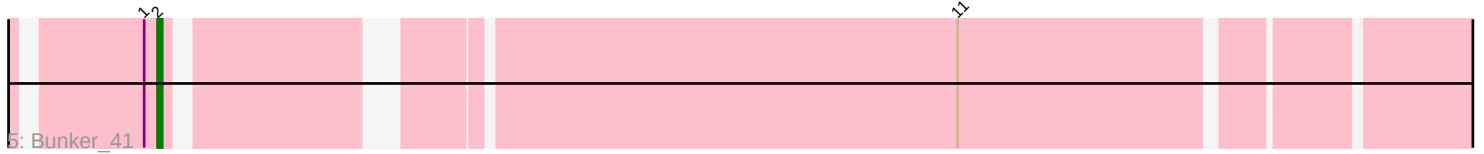
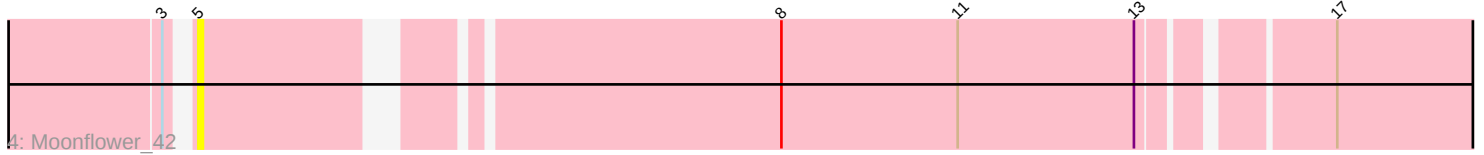
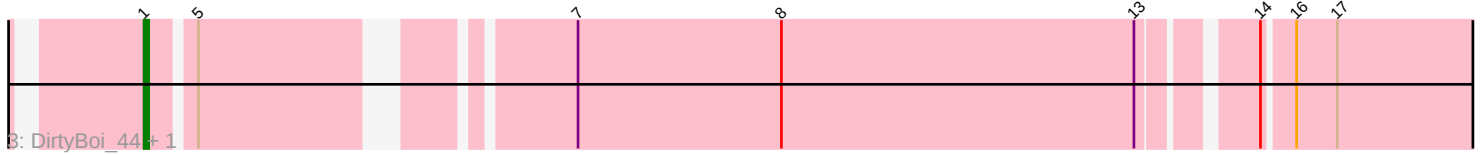
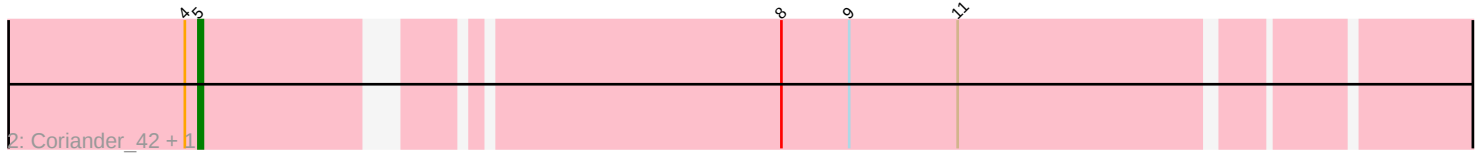
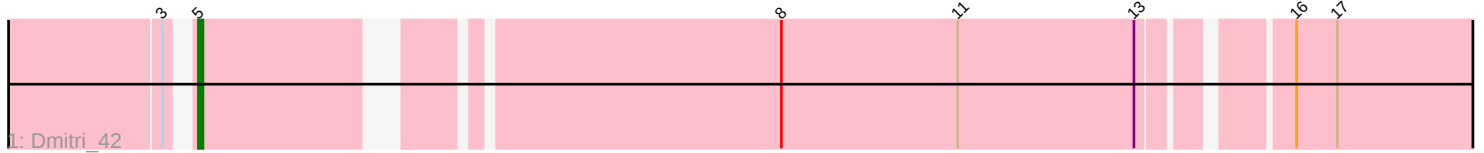


Pham 322013



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 322013 Report

This analysis was run 09/05/26 on database version 662.

Pham number 322013 has 12 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Dmitri_42
- Track 2 : Coriander_42, Doggs_39
- Track 3 : DirtyBoi_44, Hedwig_45
- Track 4 : Moonflower_42
- Track 5 : Bunker_41
- Track 6 : BackstagePass_45
- Track 7 : Chipko_47
- Track 8 : PatriciaStar_42
- Track 9 : RayTheFireFly_49
- Track 10 : Ewald_36

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 3 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- BackstagePass_45, Bunker_41, Ewald_36,

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

•

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

- Chipko_47, Coriander_42, DirtyBoi_44, Dmitri_42, Doggs_39, Hedwig_45, Moonflower_42, PatriciaStar_42, RayTheFireFly_49,

Summary by start number:

Start 1:

- Found in 6 of 12 (50.0%) of genes in pham
- Manual Annotations of this start: 3 of 9
- Called 50.0% of time when present
- Phage (with cluster) where this start called: DirtyBoi_44 (DB), Hedwig_45 (DB), RayTheFireFly_49 (DB),

Start 2:

- Found in 3 of 12 (25.0%) of genes in pham
- Manual Annotations of this start: 3 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BackstagePass_45 (DB), Bunker_41 (DB), Ewald_36 (DT),

Start 3:

- Found in 3 of 12 (25.0%) of genes in pham
- No Manual Annotations of this start.
- Called 33.3% of time when present
- Phage (with cluster) where this start called: Chipko_47 (DB),

Start 4:

- Found in 3 of 12 (25.0%) of genes in pham
- No Manual Annotations of this start.
- Called 33.3% of time when present
- Phage (with cluster) where this start called: PatriciaStar_42 (DB),

Start 5:

- Found in 10 of 12 (83.3%) of genes in pham
- Manual Annotations of this start: 3 of 9
- Called 40.0% of time when present
- Phage (with cluster) where this start called: Coriander_42 (DB), Dmitri_42 (DB), Doggs_39 (DB), Moonflower_42 (DB),

Summary by clusters:

There are 2 clusters represented in this pham: DT, DB,

Info for manual annotations of cluster DB:

- Start number 1 was manually annotated 3 times for cluster DB.
- Start number 2 was manually annotated 2 times for cluster DB.
- Start number 5 was manually annotated 3 times for cluster DB.

Info for manual annotations of cluster DT:

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

Gene Information:

Gene: BackstagePass_45 Start: 34036, Stop: 33737, Start Num: 2

Candidate Starts for BackstagePass_45:

(Start: 1 @34039 has 3 MA's), (Start: 2 @34036 has 3 MA's), (11, 33877),

Gene: Bunker_41 Start: 32653, Stop: 32952, Start Num: 2

Candidate Starts for Bunker_41:

(Start: 1 @32650 has 3 MA's), (Start: 2 @32653 has 3 MA's), (11, 32812),

Gene: Chipko_47 Start: 34547, Stop: 34843, Start Num: 3

Candidate Starts for Chipko_47:

(3, 34547), (Start: 5 @34550 has 3 MA's), (8, 34664), (12, 34706), (13, 34742), (16, 34769), (17, 34778),

Gene: Coriander_42 Start: 32126, Stop: 32419, Start Num: 5

Candidate Starts for Coriander_42:

(4, 32123), (Start: 5 @32126 has 3 MA's), (8, 32240), (9, 32255), (11, 32279),

Gene: DirtyBoi_44 Start: 32162, Stop: 32464, Start Num: 1

Candidate Starts for DirtyBoi_44:

(Start: 1 @32162 has 3 MA's), (Start: 5 @32171 has 3 MA's), (7, 32240), (8, 32285), (13, 32363), (14, 32384), (16, 32390), (17, 32399),

Gene: Dmitri_42 Start: 33710, Stop: 34003, Start Num: 5

Candidate Starts for Dmitri_42:

(3, 33707), (Start: 5 @33710 has 3 MA's), (8, 33824), (11, 33863), (13, 33902), (16, 33929), (17, 33938),

Gene: Doggs_39 Start: 32855, Stop: 33148, Start Num: 5

Candidate Starts for Doggs_39:

(4, 32852), (Start: 5 @32855 has 3 MA's), (8, 32969), (9, 32984), (11, 33008),

Gene: Ewald_36 Start: 30203, Stop: 30556, Start Num: 2

Candidate Starts for Ewald_36:

(Start: 1 @30200 has 3 MA's), (Start: 2 @30203 has 3 MA's), (Start: 5 @30212 has 3 MA's), (6, 30290), (8, 30341), (10, 30368), (11, 30380), (15, 30449),

Gene: Hedwig_45 Start: 32585, Stop: 32887, Start Num: 1

Candidate Starts for Hedwig_45:

(Start: 1 @32585 has 3 MA's), (Start: 5 @32594 has 3 MA's), (7, 32663), (8, 32708), (13, 32786), (14, 32807), (16, 32813), (17, 32822),

Gene: Moonflower_42 Start: 33573, Stop: 33866, Start Num: 5

Candidate Starts for Moonflower_42:

(3, 33570), (Start: 5 @33573 has 3 MA's), (8, 33687), (11, 33726), (13, 33765), (17, 33801),

Gene: PatriciaStar_42 Start: 33346, Stop: 33645, Start Num: 4

Candidate Starts for PatriciaStar_42:

(4, 33346), (Start: 5 @33349 has 3 MA's), (8, 33466), (12, 33508), (13, 33544), (16, 33571), (17, 33580),

Gene: RayTheFireFly_49 Start: 33759, Stop: 34061, Start Num: 1

Candidate Starts for RayTheFireFly_49:

(Start: 1 @33759 has 3 MA's), (Start: 5 @33768 has 3 MA's), (8, 33882), (9, 33897), (11, 33921),