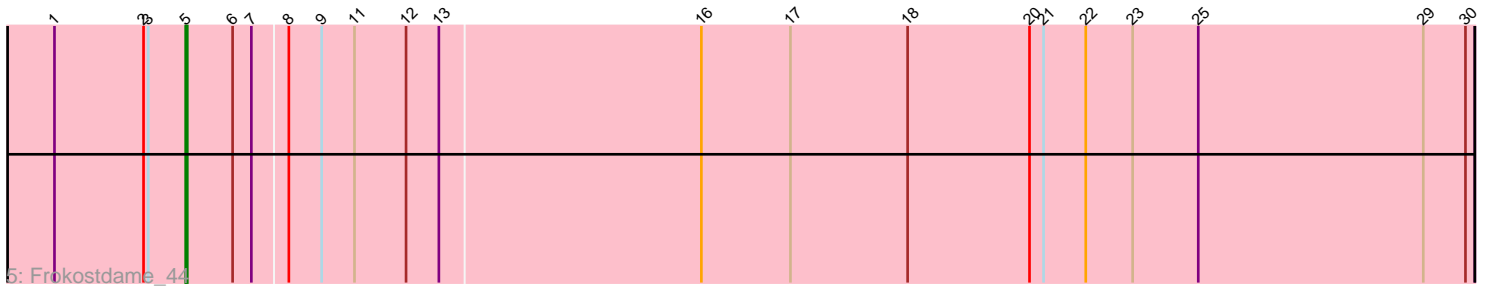
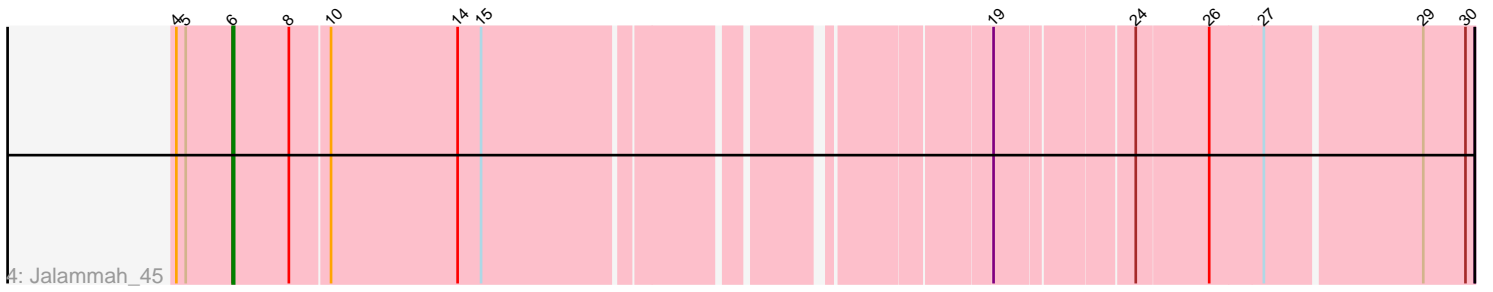
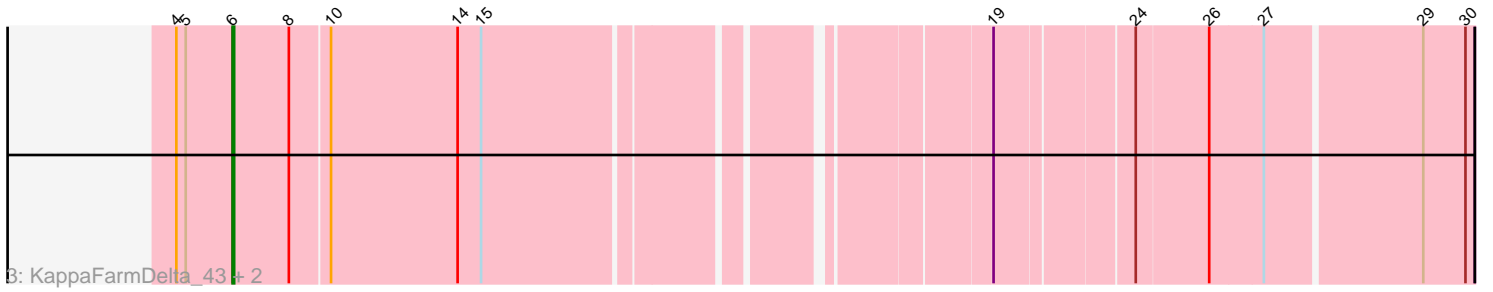
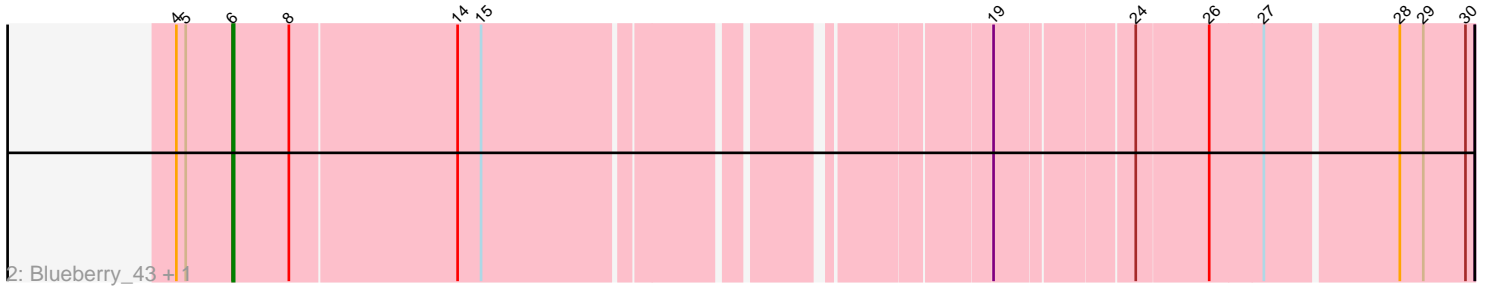
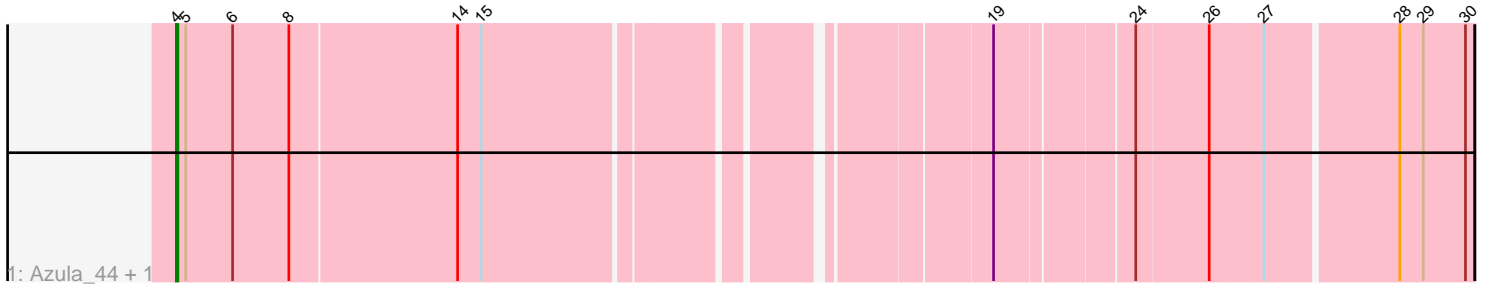


Pham 194576



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 194576 Report

This analysis was run 11/02/24 on database version 579.

Pham number 194576 has 9 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Azula_44, Gambino_46
- Track 2 : Blueberry_43, MissRona_44
- Track 3 : KappaFarmDelta_43, Fenry_40, Wocket_42
- Track 4 : Jalammah_45
- Track 5 : Frokostdame_44

Summary of Final Annotations (See graph section above for start numbers):

The start number called the most often in the published annotations is 6, it was called in 6 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Blueberry_43, Fenry_40, Jalammah_45, KappaFarmDelta_43, MissRona_44, Wocket_42,

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

- Azula_44, Frokostdame_44, Gambino_46,

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

-

Summary by start number:

Start 4:

- Found in 8 of 9 (88.9%) of genes in pham
- Manual Annotations of this start: 2 of 9
- Called 25.0% of time when present
- Phage (with cluster) where this start called: Azula_44 (CV), Gambino_46 (CV),

Start 5:

- Found in 9 of 9 (100.0%) of genes in pham
- Manual Annotations of this start: 1 of 9
- Called 11.1% of time when present
- Phage (with cluster) where this start called: Frokostdame_44 (CV),

Start 6:

- Found in 9 of 9 (100.0%) of genes in pham
- Manual Annotations of this start: 6 of 9
- Called 66.7% of time when present
- Phage (with cluster) where this start called: Blueberry_43 (CV), Fenry_40 (CV), Jalammah_45 (CV), KappaFarmDelta_43 (CV), MissRona_44 (CV), Wocket_42 (CV),

Summary by clusters:

There is one cluster represented in this pham: CV

Info for manual annotations of cluster CV:

- Start number 4 was manually annotated 2 times for cluster CV.
- Start number 5 was manually annotated 1 time for cluster CV.
- Start number 6 was manually annotated 6 times for cluster CV.

Gene Information:

Gene: Azula_44 Start: 34596, Stop: 33832, Start Num: 4

Candidate Starts for Azula_44:

(Start: 4 @34596 has 2 MA's), (Start: 5 @34590 has 1 MA's), (Start: 6 @34560 has 6 MA's), (8, 34524), (14, 34419), (15, 34404), (19, 34119), (24, 34038), (26, 33993), (27, 33960), (28, 33879), (29, 33864), (30, 33837),

Gene: Blueberry_43 Start: 34560, Stop: 33832, Start Num: 6

Candidate Starts for Blueberry_43:

(Start: 4 @34596 has 2 MA's), (Start: 5 @34590 has 1 MA's), (Start: 6 @34560 has 6 MA's), (8, 34524), (14, 34419), (15, 34404), (19, 34119), (24, 34038), (26, 33993), (27, 33960), (28, 33879), (29, 33864), (30, 33837),

Gene: Fenry_40 Start: 33564, Stop: 32836, Start Num: 6

Candidate Starts for Fenry_40:

(Start: 4 @33600 has 2 MA's), (Start: 5 @33594 has 1 MA's), (Start: 6 @33564 has 6 MA's), (8, 33528), (10, 33504), (14, 33423), (15, 33408), (19, 33123), (24, 33042), (26, 32997), (27, 32964), (29, 32868), (30, 32841),

Gene: Frokostdame_44 Start: 34314, Stop: 33496, Start Num: 5

Candidate Starts for Frokostdame_44:

(1, 34398), (2, 34341), (3, 34338), (Start: 5 @34314 has 1 MA's), (Start: 6 @34284 has 6 MA's), (7, 34272), (8, 34251), (9, 34230), (11, 34209), (12, 34176), (13, 34155), (16, 33990), (17, 33933), (18, 33858), (20, 33780), (21, 33771), (22, 33744), (23, 33714), (25, 33672), (29, 33528), (30, 33501),

Gene: Gambino_46 Start: 34596, Stop: 33832, Start Num: 4

Candidate Starts for Gambino_46:

(Start: 4 @34596 has 2 MA's), (Start: 5 @34590 has 1 MA's), (Start: 6 @34560 has 6 MA's), (8, 34524), (14, 34419), (15, 34404), (19, 34119), (24, 34038), (26, 33993), (27, 33960), (28, 33879), (29, 33864), (30, 33837),

Gene: Jalammah_45 Start: 34877, Stop: 34149, Start Num: 6

Candidate Starts for Jalammah_45:

(Start: 4 @34913 has 2 MA's), (Start: 5 @34907 has 1 MA's), (Start: 6 @34877 has 6 MA's), (8, 34841), (10, 34817), (14, 34736), (15, 34721), (19, 34436), (24, 34355), (26, 34310), (27, 34277), (29, 34181), (30, 34154),

Gene: KappaFarmDelta_43 Start: 32505, Stop: 31777, Start Num: 6

Candidate Starts for KappaFarmDelta_43:

(Start: 4 @32541 has 2 MA's), (Start: 5 @32535 has 1 MA's), (Start: 6 @32505 has 6 MA's), (8, 32469), (10, 32445), (14, 32364), (15, 32349), (19, 32064), (24, 31983), (26, 31938), (27, 31905), (29, 31809), (30, 31782),

Gene: MissRona_44 Start: 34561, Stop: 33833, Start Num: 6

Candidate Starts for MissRona_44:

(Start: 4 @34597 has 2 MA's), (Start: 5 @34591 has 1 MA's), (Start: 6 @34561 has 6 MA's), (8, 34525), (14, 34420), (15, 34405), (19, 34120), (24, 34039), (26, 33994), (27, 33961), (28, 33880), (29, 33865), (30, 33838),

Gene: Wocket_42 Start: 32670, Stop: 31942, Start Num: 6

Candidate Starts for Wocket_42:

(Start: 4 @32706 has 2 MA's), (Start: 5 @32700 has 1 MA's), (Start: 6 @32670 has 6 MA's), (8, 32634), (10, 32610), (14, 32529), (15, 32514), (19, 32229), (24, 32148), (26, 32103), (27, 32070), (29, 31974), (30, 31947),