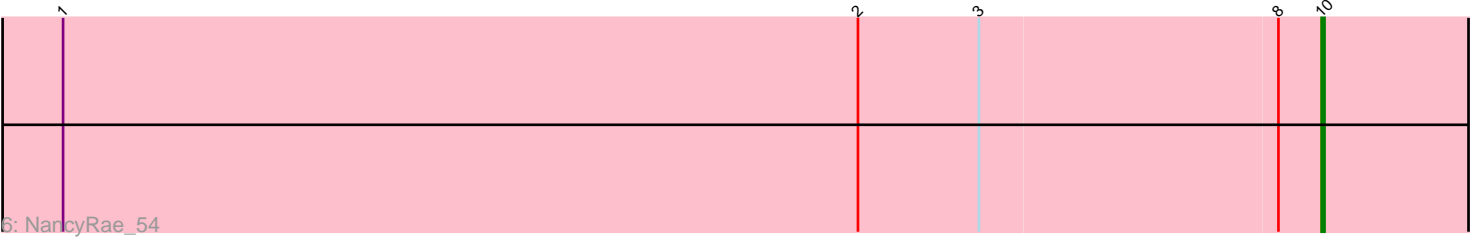
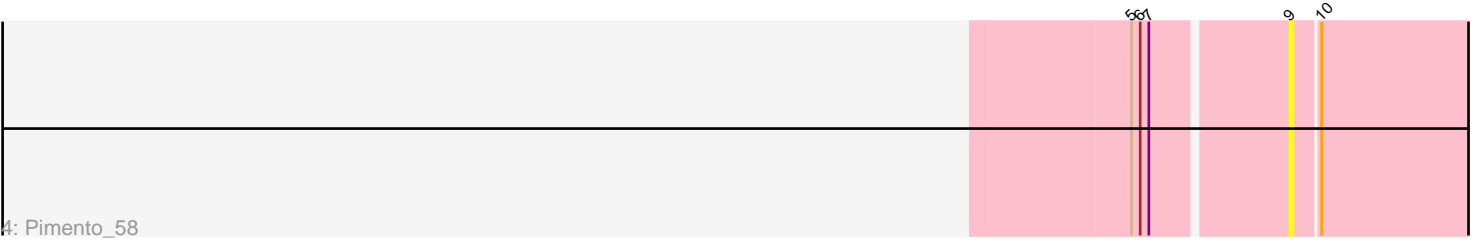
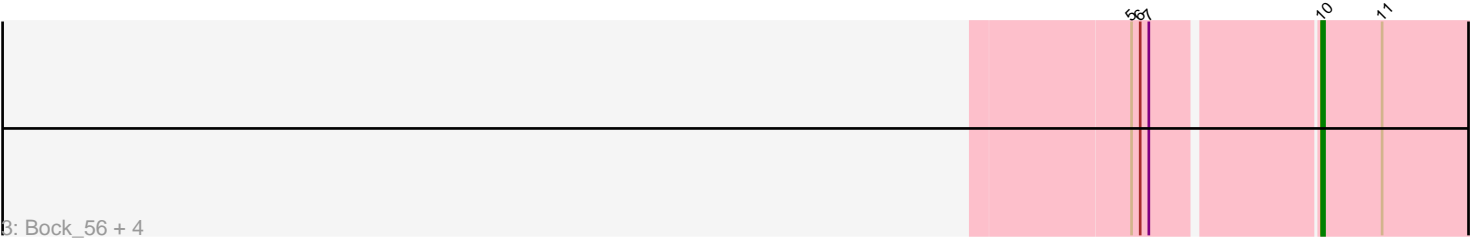
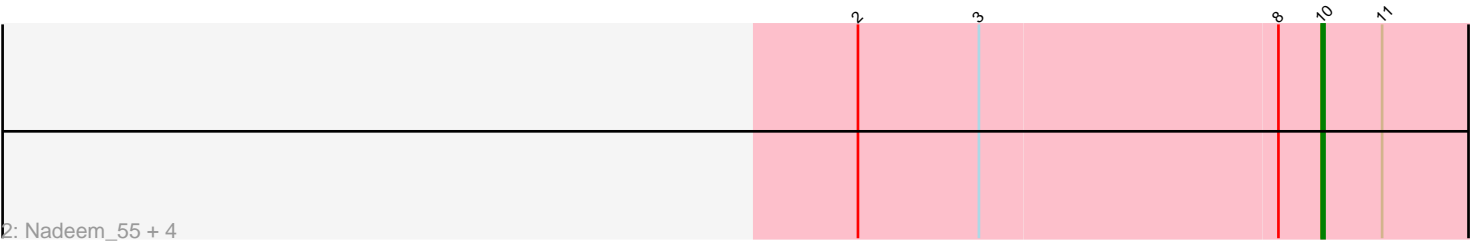
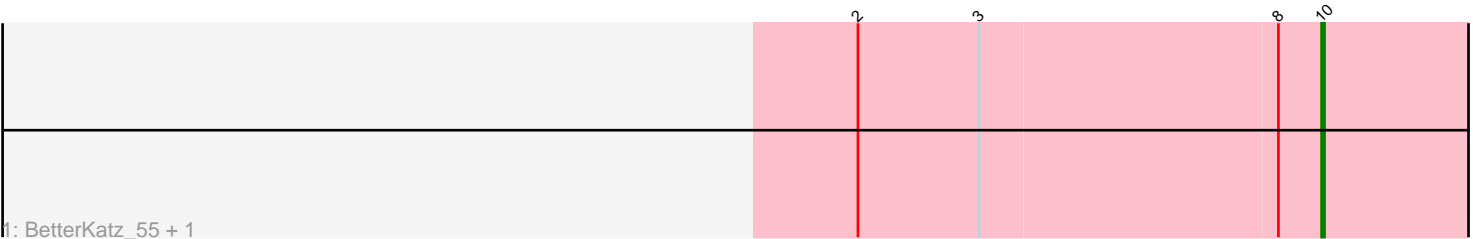


Pham 4670



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 4670 Report

This analysis was run 04/05/24 on database version 557.

Pham number 4670 has 15 members, 2 are drafts.

Phages represented in each track:

- Track 1 : BetterKatz_55, DelRio_56
- Track 2 : Nadeem_55, Brylie_55, Parada_55, WheatThin_54, Mulch_55
- Track 3 : Bock_56, GrandSlam_56, Hamood_56, Ayotoya_56, Chop_56
- Track 4 : Pimento_58
- Track 5 : Francois_55
- Track 6 : NancyRae_54

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

The start number called the most often in the published annotations is 10, it was called in 13 of the 13 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Ayotoya_56, BetterKatz_55, Bock_56, Brylie_55, Chop_56, DelRio_56, Francois_55, GrandSlam_56, Hamood_56, Mulch_55, Nadeem_55, NancyRae_54, Parada_55, WheatThin_54,

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

- Pimento_58,

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

-

Summary by start number:

Start 9:

- Found in 1 of 15 (6.7%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Pimento_58 (DI),

Start 10:

- Found in 15 of 15 (100.0%) of genes in pham
- Manual Annotations of this start: 13 of 13

- Called 93.3% of time when present
- Phage (with cluster) where this start called: Ayotoya_56 (DI), BetterKatz_55 (DI), Bock_56 (DI), Brylie_55 (DI), Chop_56 (DI), DelRio_56 (DI), Francois_55 (DI), GrandSlam_56 (DI), Hamood_56 (DI), Mulch_55 (DI), Nadeem_55 (DI), NancyRae_54 (DI), Parada_55 (DI), WheatThin_54 (DI),

Summary by clusters:

There is one cluster represented in this pham: DI

Info for manual annotations of cluster DI:

- Start number 10 was manually annotated 13 times for cluster DI.

Gene Information:

Gene: Ayotoya_56 Start: 39560, Stop: 39673, Start Num: 10

Candidate Starts for Ayotoya_56:

(5, 39500), (6, 39503), (7, 39506), (Start: 10 @39560 has 13 MA's), (11, 39581),

Gene: BetterKatz_55 Start: 38759, Stop: 38872, Start Num: 10

Candidate Starts for BetterKatz_55:

(2, 38600), (3, 38642), (8, 38744), (Start: 10 @38759 has 13 MA's),

Gene: Bock_56 Start: 38792, Stop: 38905, Start Num: 10

Candidate Starts for Bock_56:

(5, 38732), (6, 38735), (7, 38738), (Start: 10 @38792 has 13 MA's), (11, 38813),

Gene: Brylie_55 Start: 38540, Stop: 38653, Start Num: 10

Candidate Starts for Brylie_55:

(2, 38381), (3, 38423), (8, 38525), (Start: 10 @38540 has 13 MA's), (11, 38561),

Gene: Chop_56 Start: 39311, Stop: 39424, Start Num: 10

Candidate Starts for Chop_56:

(5, 39251), (6, 39254), (7, 39257), (Start: 10 @39311 has 13 MA's), (11, 39332),

Gene: DelRio_56 Start: 39722, Stop: 39835, Start Num: 10

Candidate Starts for DelRio_56:

(2, 39563), (3, 39605), (8, 39707), (Start: 10 @39722 has 13 MA's),

Gene: Francois_55 Start: 38798, Stop: 38911, Start Num: 10

Candidate Starts for Francois_55:

(4, 38735), (5, 38738), (6, 38741), (7, 38744), (Start: 10 @38798 has 13 MA's),

Gene: GrandSlam_56 Start: 39311, Stop: 39424, Start Num: 10

Candidate Starts for GrandSlam_56:

(5, 39251), (6, 39254), (7, 39257), (Start: 10 @39311 has 13 MA's), (11, 39332),

Gene: Hamood_56 Start: 39311, Stop: 39424, Start Num: 10

Candidate Starts for Hamood_56:

(5, 39251), (6, 39254), (7, 39257), (Start: 10 @39311 has 13 MA's), (11, 39332),

Gene: Mulch_55 Start: 38540, Stop: 38653, Start Num: 10

Candidate Starts for Mulch_55:

(2, 38381), (3, 38423), (8, 38525), (Start: 10 @38540 has 13 MA's), (11, 38561),

Gene: Nadeem_55 Start: 38528, Stop: 38641, Start Num: 10

Candidate Starts for Nadeem_55:

(2, 38369), (3, 38411), (8, 38513), (Start: 10 @38528 has 13 MA's), (11, 38549),

Gene: NancyRae_54 Start: 38526, Stop: 38639, Start Num: 10

Candidate Starts for NancyRae_54:

(1, 38091), (2, 38367), (3, 38409), (8, 38511), (Start: 10 @38526 has 13 MA's),

Gene: Parada_55 Start: 38540, Stop: 38653, Start Num: 10

Candidate Starts for Parada_55:

(2, 38381), (3, 38423), (8, 38525), (Start: 10 @38540 has 13 MA's), (11, 38561),

Gene: Pimento_58 Start: 38430, Stop: 38552, Start Num: 9

Candidate Starts for Pimento_58:

(5, 38379), (6, 38382), (7, 38385), (9, 38430), (Start: 10 @38439 has 13 MA's),

Gene: WheatThin_54 Start: 38528, Stop: 38641, Start Num: 10

Candidate Starts for WheatThin_54:

(2, 38369), (3, 38411), (8, 38513), (Start: 10 @38528 has 13 MA's), (11, 38549),