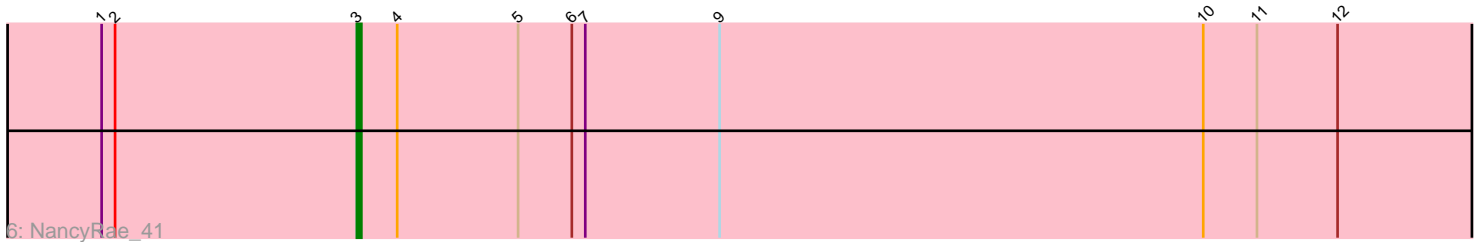
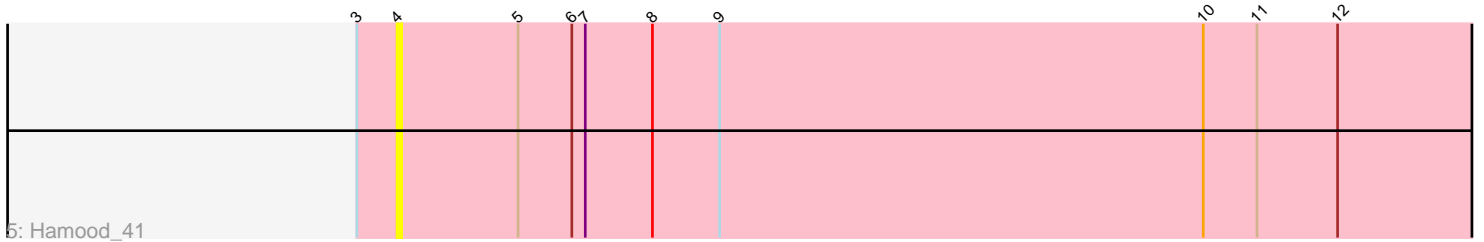
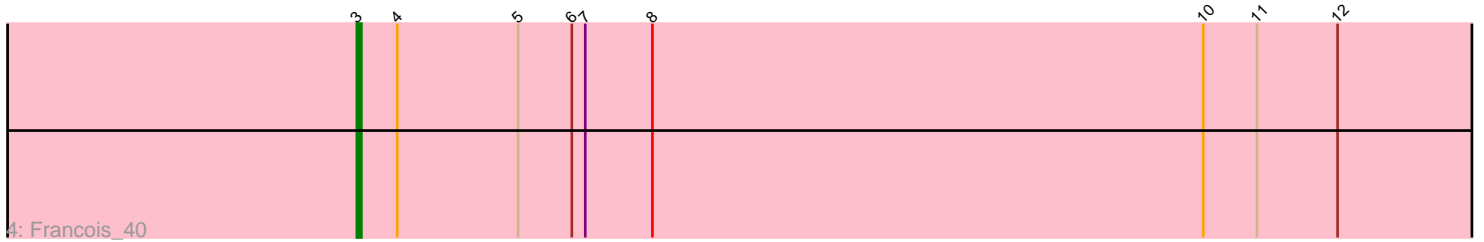
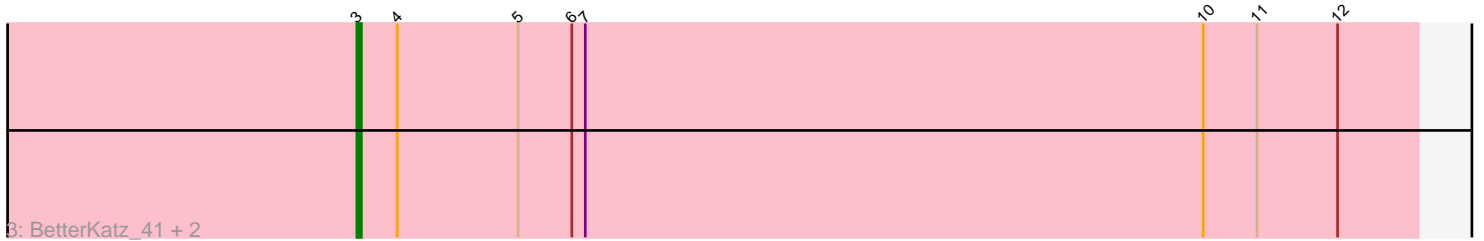
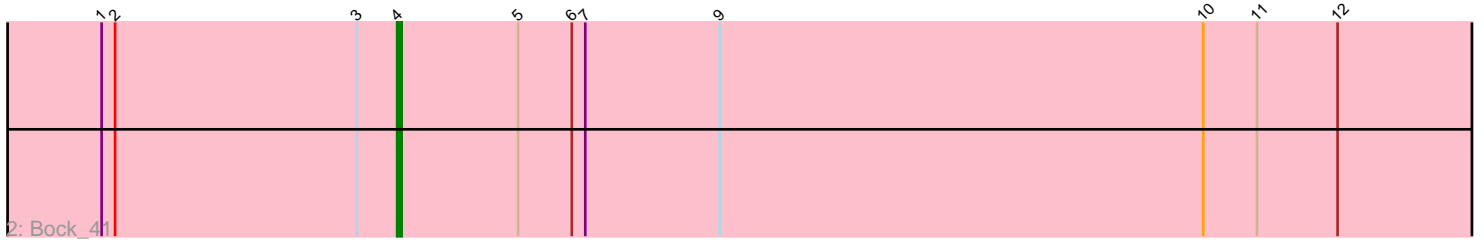
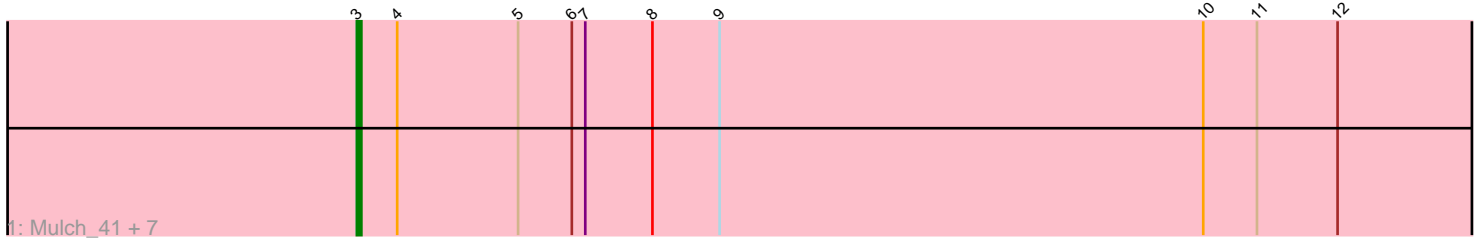


Pham 158247



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 158247 Report

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

Pham number 158247 has 15 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Mulch_41, Nadeem_41, WheatThin_41, GrandSlam_41, Parada_41, Ayotoya_41, Brylie_41, Chop_41
- Track 2 : Bock_41
- Track 3 : BetterKatz_41, DelRio_42, Pimento_43
- Track 4 : Francois_40
- Track 5 : Hamood_41
- Track 6 : NancyRae_41

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 12 of the 13 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Ayotoya_41, BetterKatz_41, Brylie_41, Chop_41, DelRio_42, Francois_40, GrandSlam_41, Mulch_41, Nadeem_41, NancyRae_41, Parada_41, Pimento_43, WheatThin_41,

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

- Bock_41, Hamood_41,

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

-

Summary by start number:

Start 3:

- Found in 15 of 15 (100.0%) of genes in pham
- Manual Annotations of this start: 12 of 13
- Called 86.7% of time when present
- Phage (with cluster) where this start called: Ayotoya_41 (DI), BetterKatz_41 (DI), Brylie_41 (DI), Chop_41 (DI), DelRio_42 (DI), Francois_40 (DI), GrandSlam_41 (DI), Mulch_41 (DI), Nadeem_41 (DI), NancyRae_41 (DI), Parada_41 (DI), Pimento_43 (DI), WheatThin_41 (DI),

Start 4:

- Found in 15 of 15 (100.0%) of genes in pham
- Manual Annotations of this start: 1 of 13
- Called 13.3% of time when present
- Phage (with cluster) where this start called: Bock_41 (DI), Hamood_41 (DI),

Summary by clusters:

There is one cluster represented in this pham: DI

Info for manual annotations of cluster DI:

- Start number 3 was manually annotated 12 times for cluster DI.
- Start number 4 was manually annotated 1 time for cluster DI.

Gene Information:

Gene: Ayotoya_41 Start: 33075, Stop: 33353, Start Num: 3

Candidate Starts for Ayotoya_41:

(Start: 3 @33075 has 12 MA's), (Start: 4 @33084 has 1 MA's), (5, 33111), (6, 33123), (7, 33126), (8, 33141), (9, 33156), (10, 33264), (11, 33276), (12, 33294),

Gene: BetterKatz_41 Start: 32601, Stop: 32837, Start Num: 3

Candidate Starts for BetterKatz_41:

(Start: 3 @32601 has 12 MA's), (Start: 4 @32610 has 1 MA's), (5, 32637), (6, 32649), (7, 32652), (10, 32790), (11, 32802), (12, 32820),

Gene: Bock_41 Start: 32304, Stop: 32573, Start Num: 4

Candidate Starts for Bock_41:

(1, 32238), (2, 32241), (Start: 3 @32295 has 12 MA's), (Start: 4 @32304 has 1 MA's), (5, 32331), (6, 32343), (7, 32346), (9, 32376), (10, 32484), (11, 32496), (12, 32514),

Gene: Brylie_41 Start: 32342, Stop: 32620, Start Num: 3

Candidate Starts for Brylie_41:

(Start: 3 @32342 has 12 MA's), (Start: 4 @32351 has 1 MA's), (5, 32378), (6, 32390), (7, 32393), (8, 32408), (9, 32423), (10, 32531), (11, 32543), (12, 32561),

Gene: Chop_41 Start: 32822, Stop: 33100, Start Num: 3

Candidate Starts for Chop_41:

(Start: 3 @32822 has 12 MA's), (Start: 4 @32831 has 1 MA's), (5, 32858), (6, 32870), (7, 32873), (8, 32888), (9, 32903), (10, 33011), (11, 33023), (12, 33041),

Gene: DelRio_42 Start: 33530, Stop: 33808, Start Num: 3

Candidate Starts for DelRio_42:

(Start: 3 @33530 has 12 MA's), (Start: 4 @33539 has 1 MA's), (5, 33566), (6, 33578), (7, 33581), (10, 33719), (11, 33731), (12, 33749),

Gene: Francois_40 Start: 32426, Stop: 32704, Start Num: 3

Candidate Starts for Francois_40:

(Start: 3 @32426 has 12 MA's), (Start: 4 @32435 has 1 MA's), (5, 32462), (6, 32474), (7, 32477), (8, 32492), (10, 32615), (11, 32627), (12, 32645),

Gene: GrandSlam_41 Start: 32822, Stop: 33100, Start Num: 3

Candidate Starts for GrandSlam_41:

(Start: 3 @32822 has 12 MA's), (Start: 4 @32831 has 1 MA's), (5, 32858), (6, 32870), (7, 32873), (8, 32888), (9, 32903), (10, 33011), (11, 33023), (12, 33041),

Gene: Hamood_41 Start: 32831, Stop: 33100, Start Num: 4

Candidate Starts for Hamood_41:

(Start: 3 @32822 has 12 MA's), (Start: 4 @32831 has 1 MA's), (5, 32858), (6, 32870), (7, 32873), (8, 32888), (9, 32903), (10, 33011), (11, 33023), (12, 33041),

Gene: Mulch_41 Start: 32342, Stop: 32620, Start Num: 3

Candidate Starts for Mulch_41:

(Start: 3 @32342 has 12 MA's), (Start: 4 @32351 has 1 MA's), (5, 32378), (6, 32390), (7, 32393), (8, 32408), (9, 32423), (10, 32531), (11, 32543), (12, 32561),

Gene: Nadeem_41 Start: 32342, Stop: 32620, Start Num: 3

Candidate Starts for Nadeem_41:

(Start: 3 @32342 has 12 MA's), (Start: 4 @32351 has 1 MA's), (5, 32378), (6, 32390), (7, 32393), (8, 32408), (9, 32423), (10, 32531), (11, 32543), (12, 32561),

Gene: NancyRae_41 Start: 32352, Stop: 32630, Start Num: 3

Candidate Starts for NancyRae_41:

(1, 32295), (2, 32298), (Start: 3 @32352 has 12 MA's), (Start: 4 @32361 has 1 MA's), (5, 32388), (6, 32400), (7, 32403), (9, 32433), (10, 32541), (11, 32553), (12, 32571),

Gene: Parada_41 Start: 32342, Stop: 32620, Start Num: 3

Candidate Starts for Parada_41:

(Start: 3 @32342 has 12 MA's), (Start: 4 @32351 has 1 MA's), (5, 32378), (6, 32390), (7, 32393), (8, 32408), (9, 32423), (10, 32531), (11, 32543), (12, 32561),

Gene: Pimento_43 Start: 31999, Stop: 32277, Start Num: 3

Candidate Starts for Pimento_43:

(Start: 3 @31999 has 12 MA's), (Start: 4 @32008 has 1 MA's), (5, 32035), (6, 32047), (7, 32050), (10, 32188), (11, 32200), (12, 32218),

Gene: WheatThin_41 Start: 32342, Stop: 32620, Start Num: 3

Candidate Starts for WheatThin_41:

(Start: 3 @32342 has 12 MA's), (Start: 4 @32351 has 1 MA's), (5, 32378), (6, 32390), (7, 32393), (8, 32408), (9, 32423), (10, 32531), (11, 32543), (12, 32561),