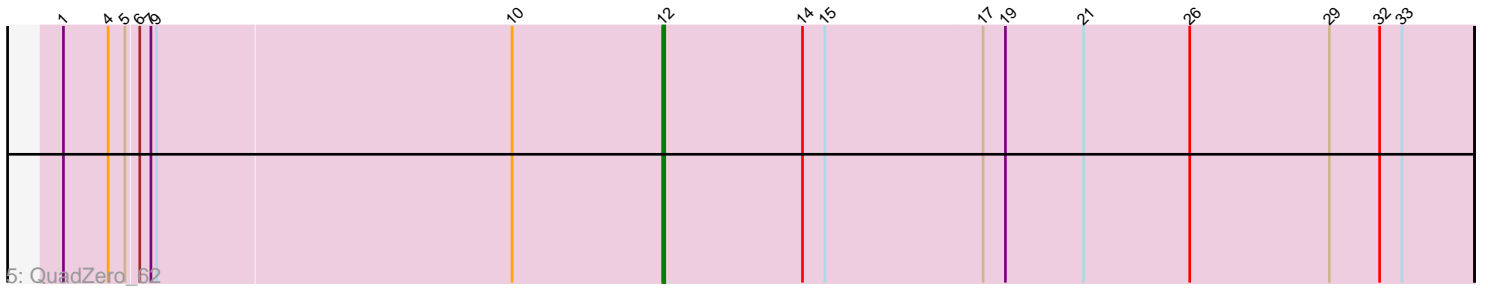
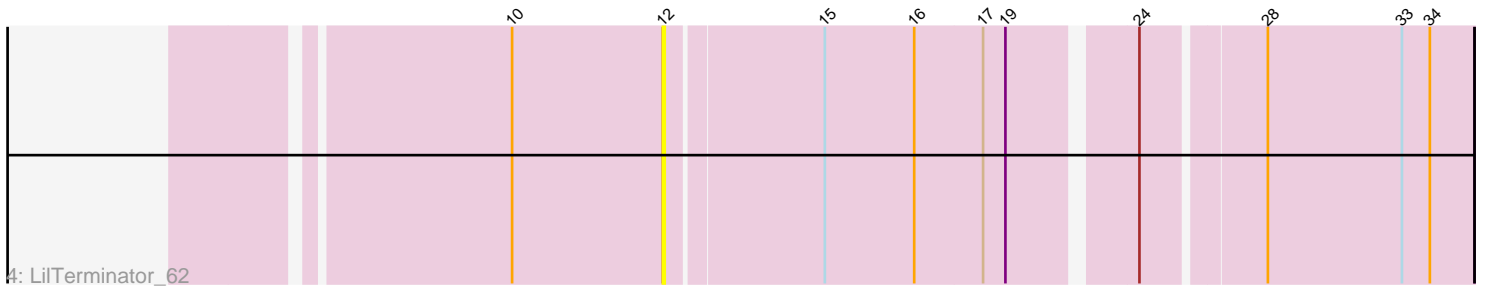
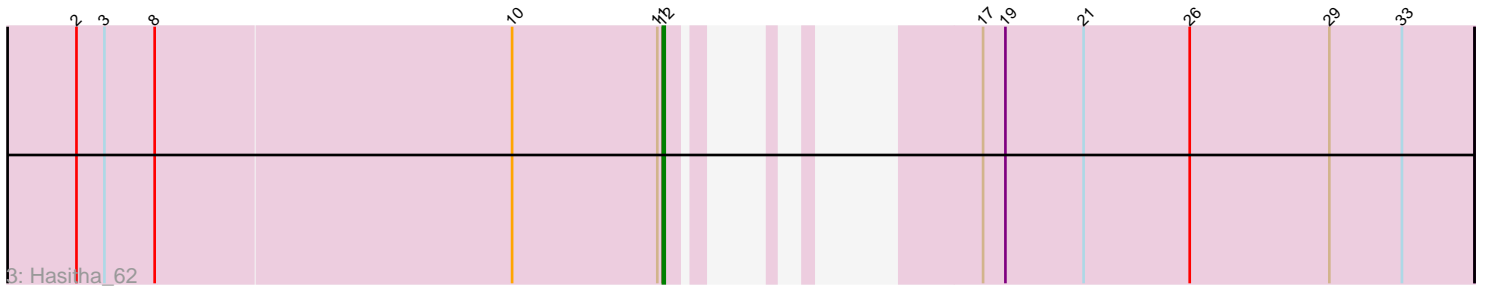
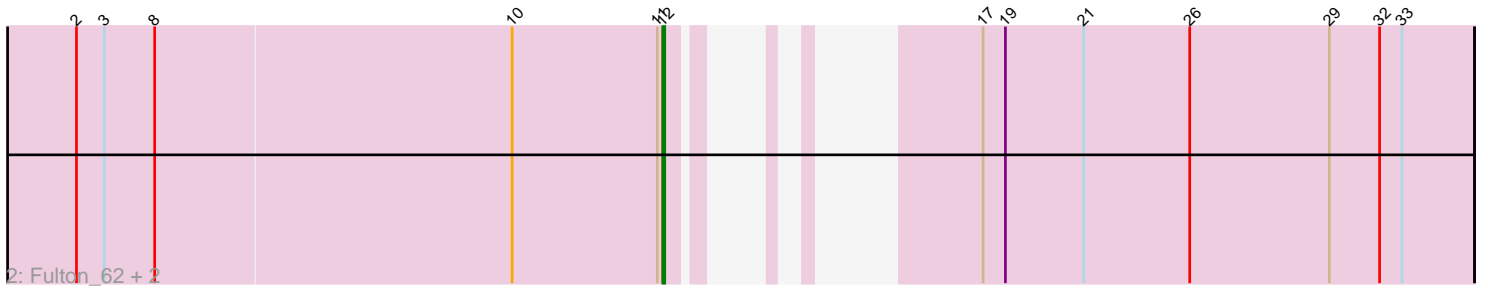
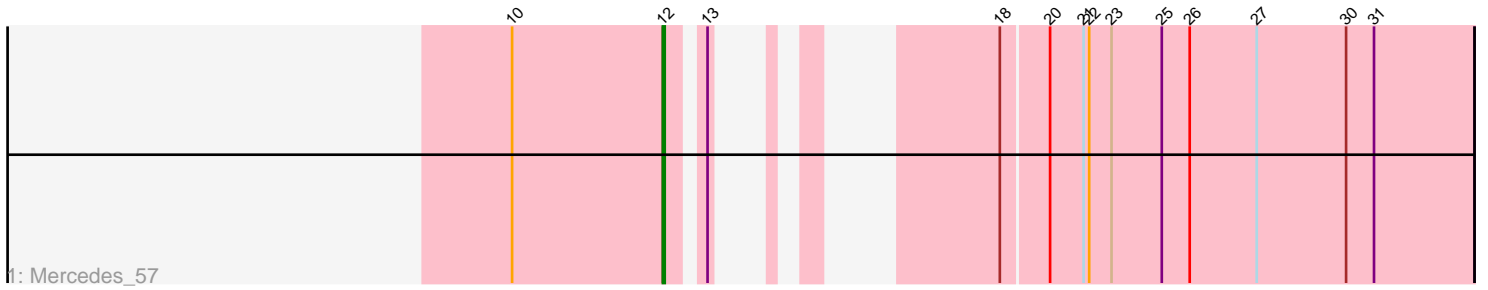


Pham 158454



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 158454 Report

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

Pham number 158454 has 7 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Mercedes_57
- Track 2 : Fulton_62, CaptainRex_62, Librie_62
- Track 3 : Hasitha_62
- Track 4 : LilTerminator_62
- Track 5 : QuadZero_62

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

The start number called the most often in the published annotations is 12, it was called in 5 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- CaptainRex_62, Fulton_62, Hasitha_62, Librie_62, LilTerminator_62, Mercedes_57, QuadZero_62,

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

-

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

-

Summary by start number:

Start 12:

- Found in 7 of 7 (100.0%) of genes in pham
- Manual Annotations of this start: 5 of 5
- Called 100.0% of time when present
- Phage (with cluster) where this start called: CaptainRex_62 (EA5), Fulton_62 (EA5), Hasitha_62 (EA5), Librie_62 (EA5), LilTerminator_62 (EA5), Mercedes_57 (EA), QuadZero_62 (EA5),

Summary by clusters:

There are 2 clusters represented in this pham: EA5, EA,

Info for manual annotations of cluster EA:

- Start number 12 was manually annotated 1 time for cluster EA.

Info for manual annotations of cluster EA5:

- Start number 12 was manually annotated 4 times for cluster EA5.

Gene Information:

Gene: CaptainRex_62 Start: 39228, Stop: 39563, Start Num: 12

Candidate Starts for CaptainRex_62:

(2, 38916), (3, 38931), (8, 38958), (10, 39147), (11, 39225), (Start: 12 @39228 has 5 MA's), (17, 39300), (19, 39312), (21, 39354), (26, 39411), (29, 39486), (32, 39513), (33, 39525),

Gene: Fulton_62 Start: 39229, Stop: 39564, Start Num: 12

Candidate Starts for Fulton_62:

(2, 38917), (3, 38932), (8, 38959), (10, 39148), (11, 39226), (Start: 12 @39229 has 5 MA's), (17, 39301), (19, 39313), (21, 39355), (26, 39412), (29, 39487), (32, 39514), (33, 39526),

Gene: Hasitha_62 Start: 39239, Stop: 39574, Start Num: 12

Candidate Starts for Hasitha_62:

(2, 38927), (3, 38942), (8, 38969), (10, 39158), (11, 39236), (Start: 12 @39239 has 5 MA's), (17, 39311), (19, 39323), (21, 39365), (26, 39422), (29, 39497), (33, 39536),

Gene: Librie_62 Start: 39228, Stop: 39563, Start Num: 12

Candidate Starts for Librie_62:

(2, 38916), (3, 38931), (8, 38958), (10, 39147), (11, 39225), (Start: 12 @39228 has 5 MA's), (17, 39300), (19, 39312), (21, 39354), (26, 39411), (29, 39486), (32, 39513), (33, 39525),

Gene: LilTerminator_62 Start: 39240, Stop: 39647, Start Num: 12

Candidate Starts for LilTerminator_62:

(10, 39159), (Start: 12 @39240 has 5 MA's), (15, 39321), (16, 39369), (17, 39405), (19, 39417), (24, 39477), (28, 39537), (33, 39609), (34, 39624),

Gene: Mercedes_57 Start: 39485, Stop: 39826, Start Num: 12

Candidate Starts for Mercedes_57:

(10, 39404), (Start: 12 @39485 has 5 MA's), (13, 39500), (18, 39575), (20, 39599), (21, 39617), (22, 39620), (23, 39632), (25, 39659), (26, 39674), (27, 39710), (30, 39758), (31, 39773),

Gene: QuadZero_62 Start: 39331, Stop: 39765, Start Num: 12

Candidate Starts for QuadZero_62:

(1, 39013), (4, 39037), (5, 39046), (6, 39052), (7, 39058), (9, 39061), (10, 39250), (Start: 12 @39331 has 5 MA's), (14, 39406), (15, 39418), (17, 39502), (19, 39514), (21, 39556), (26, 39613), (29, 39688), (32, 39715), (33, 39727),