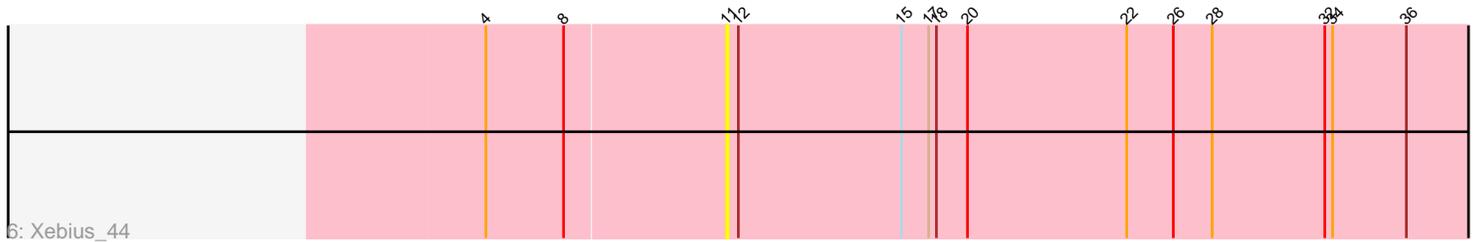
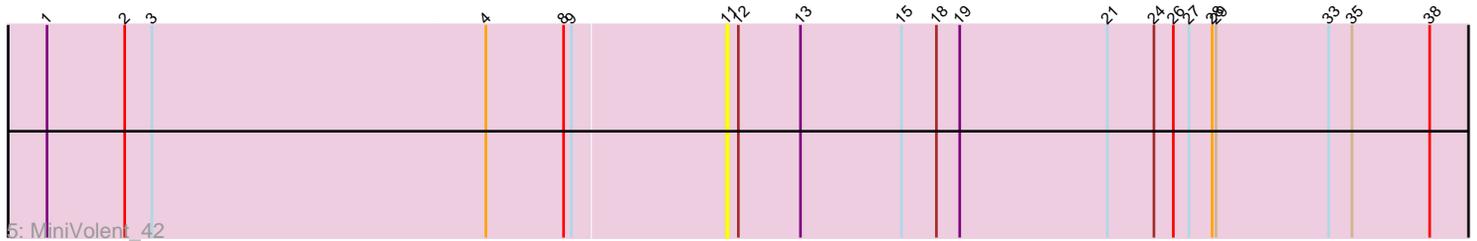
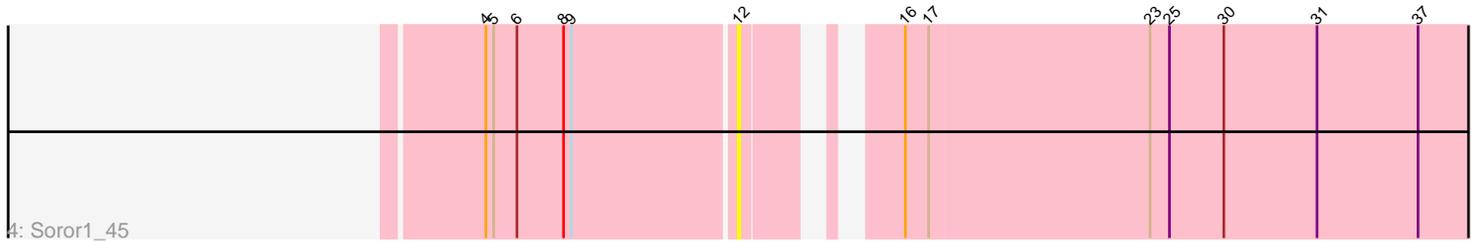
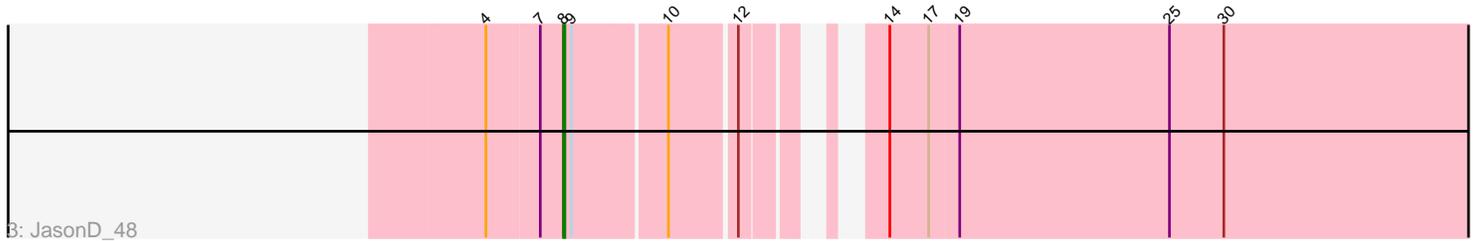
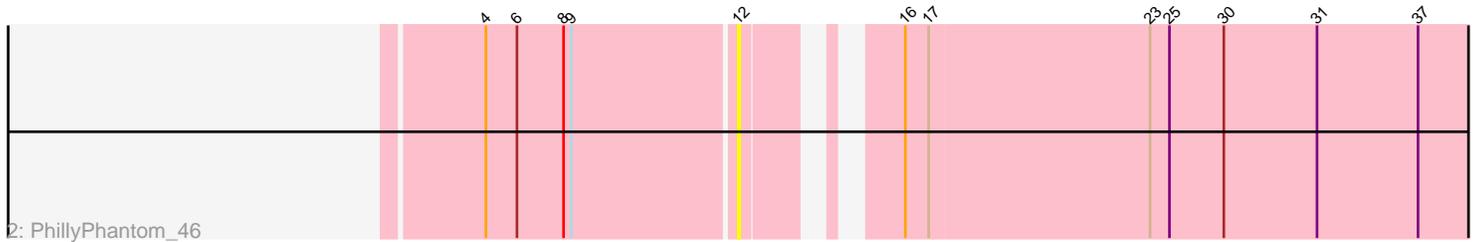
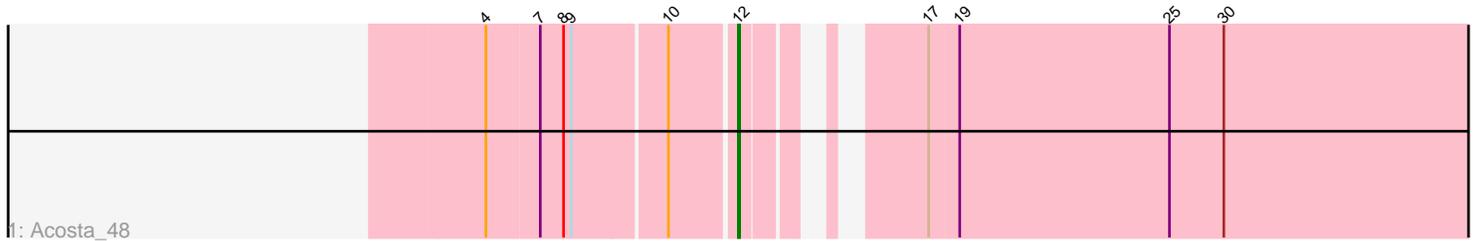


Pham 282764



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 282764 Report

This analysis was run 02/23/26 on database version 636.

Pham number 282764 has 6 members, 4 are drafts.

Phages represented in each track:

- Track 1 : Acosta_48
- Track 2 : PhillyPhantom_46
- Track 3 : JasonD_48
- Track 4 : Soror1_45
- Track 5 : MiniVolent_42
- Track 6 : Xebius_44

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 1 of the 2 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Acosta_48, PhillyPhantom_46, Soror1_45,

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

- JasonD_48, MiniVolent_42, Xebius_44,

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

-

Summary by start number:

Start 8:

- Found in 6 of 6 (100.0%) of genes in pham
- Manual Annotations of this start: 1 of 2
- Called 16.7% of time when present
- Phage (with cluster) where this start called: JasonD_48 (EA1),

Start 11:

- Found in 2 of 6 (33.3%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: MiniVolent_42 (EA10), Xebius_44 (EA2),

Start 12:

- Found in 6 of 6 (100.0%) of genes in pham
- Manual Annotations of this start: 1 of 2
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Acosta_48 (EA1), PhillyPhantom_46 (EA1), Soror1_45 (EA1),

Summary by clusters:

There are 3 clusters represented in this pham: EA1, EA2, EA10,

Info for manual annotations of cluster EA1:

- Start number 8 was manually annotated 1 time for cluster EA1.
- Start number 12 was manually annotated 1 time for cluster EA1.

Gene Information:

Gene: Acosta_48 Start: 33795, Stop: 33262, Start Num: 12

Candidate Starts for Acosta_48:

(4, 33975), (7, 33936), (Start: 8 @33918 has 1 MA's), (9, 33912), (10, 33843), (Start: 12 @33795 has 1 MA's), (17, 33702), (19, 33681), (25, 33519), (30, 33477),

Gene: JasonD_48 Start: 33846, Stop: 33190, Start Num: 8

Candidate Starts for JasonD_48:

(4, 33903), (7, 33864), (Start: 8 @33846 has 1 MA's), (9, 33840), (10, 33771), (Start: 12 @33723 has 1 MA's), (14, 33660), (17, 33630), (19, 33609), (25, 33447), (30, 33405),

Gene: MiniVolent_42 Start: 31981, Stop: 31385, Start Num: 11

Candidate Starts for MiniVolent_42:

(1, 32500), (2, 32440), (3, 32419), (4, 32164), (Start: 8 @32104 has 1 MA's), (9, 32098), (11, 31981), (Start: 12 @31972 has 1 MA's), (13, 31924), (15, 31846), (18, 31819), (19, 31801), (21, 31687), (24, 31651), (26, 31636), (27, 31624), (28, 31606), (29, 31603), (33, 31516), (35, 31498), (38, 31438),

Gene: PhillyPhantom_46 Start: 33556, Stop: 33017, Start Num: 12

Candidate Starts for PhillyPhantom_46:

(4, 33745), (6, 33721), (Start: 8 @33685 has 1 MA's), (9, 33679), (Start: 12 @33556 has 1 MA's), (16, 33475), (17, 33457), (23, 33289), (25, 33274), (30, 33232), (31, 33160), (37, 33082),

Gene: Soror1_45 Start: 33472, Stop: 32933, Start Num: 12

Candidate Starts for Soror1_45:

(4, 33661), (5, 33655), (6, 33637), (Start: 8 @33601 has 1 MA's), (9, 33595), (Start: 12 @33472 has 1 MA's), (16, 33391), (17, 33373), (23, 33205), (25, 33190), (30, 33148), (31, 33076), (37, 32998),

Gene: Xebius_44 Start: 32387, Stop: 31791, Start Num: 11

Candidate Starts for Xebius_44:

(4, 32570), (Start: 8 @32510 has 1 MA's), (11, 32387), (Start: 12 @32378 has 1 MA's), (15, 32252), (17, 32231), (18, 32225), (20, 32201), (22, 32078), (26, 32042), (28, 32012), (32, 31925), (34, 31919), (36, 31862),

