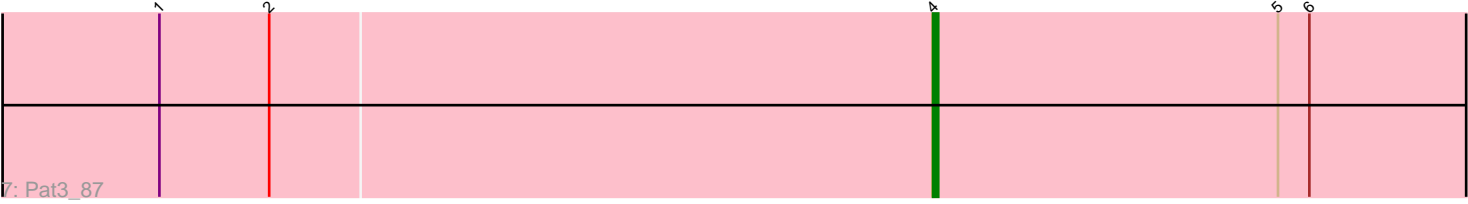
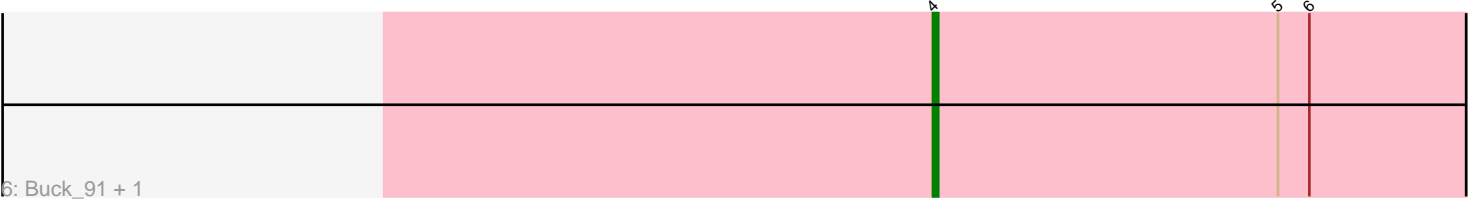
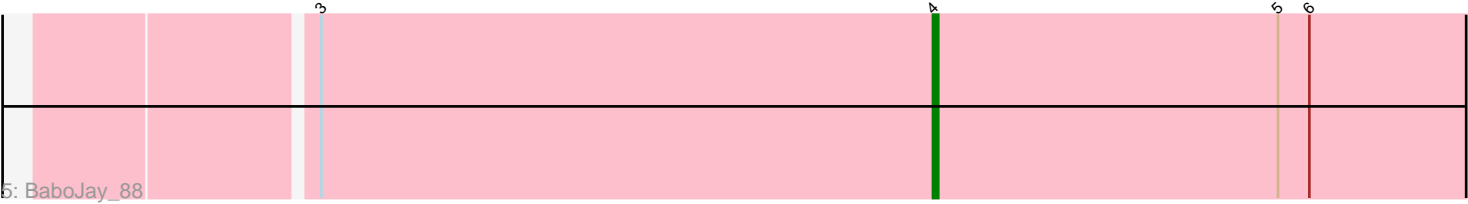
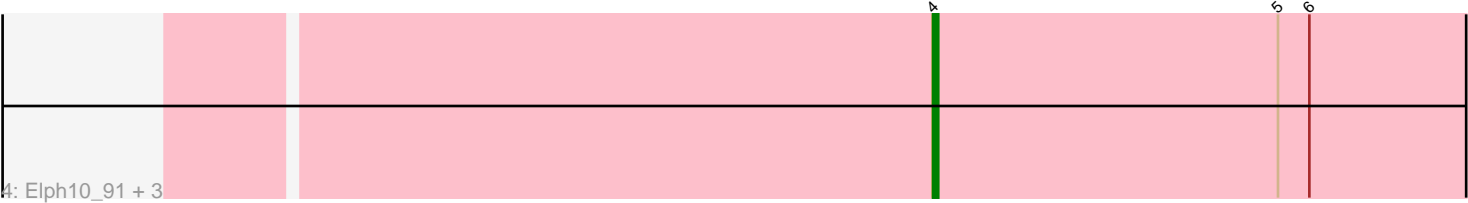
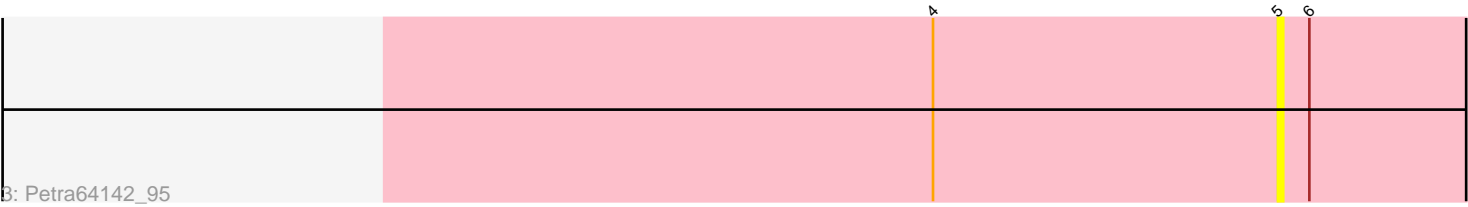
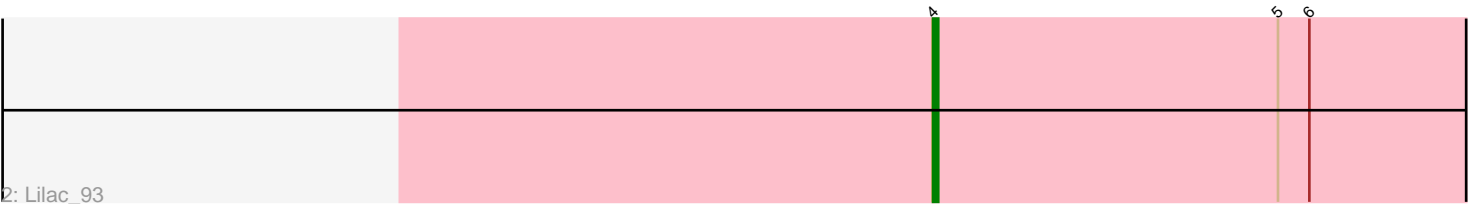


Pham 4035



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 4035 Report

This analysis was run 04/28/24 on database version 559.

Pham number 4035 has 18 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Hopey_91, Pumpkin_94, Filch_92, RiverMonster_91, Cjw1_91, Stark_92, Phaux_93, Maxxinista_93
- Track 2 : Lilac_93
- Track 3 : Petra64142_95
- Track 4 : Elph10_91, Phrux_88, HanKaySha_91, Thresher_93
- Track 5 : BaboJay_88
- Track 6 : Buck_91, JeTaime_91
- Track 7 : Pat3_87

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

The start number called the most often in the published annotations is 4, it was called in 17 of the 17 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- BaboJay_88, Buck_91, Cjw1_91, Elph10_91, Filch_92, HanKaySha_91, Hopey_91, JeTaime_91, Lilac_93, Maxxinista_93, Pat3_87, Phaux_93, Phrux_88, Pumpkin_94, RiverMonster_91, Stark_92, Thresher_93,

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

- Petra64142_95,

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

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Summary by start number:

Start 4:

- Found in 18 of 18 (100.0%) of genes in pham
- Manual Annotations of this start: 17 of 17
- Called 94.4% of time when present
- Phage (with cluster) where this start called: BaboJay_88 (E), Buck_91 (E), Cjw1_91 (E), Elph10_91 (E), Filch_92 (E), HanKaySha_91 (E), Hopey_91 (E), JeTaime_91 (E), Lilac_93 (E), Maxxinista_93 (E), Pat3_87 (E), Phaux_93 (E), Phrux_88 (E),

Pumpkin_94 (E), RiverMonster_91 (E), Stark_92 (E), Thresher_93 (E),

Start 5:

- Found in 18 of 18 (100.0%) of genes in pham
- No Manual Annotations of this start.
- Called 5.6% of time when present
- Phage (with cluster) where this start called: Petra64142_95 (E),

Summary by clusters:

There is one cluster represented in this pham: E

Info for manual annotations of cluster E:

- Start number 4 was manually annotated 17 times for cluster E.

Gene Information:

Gene: BaboJay_88 Start: 54366, Stop: 54638, Start Num: 4

Candidate Starts for BaboJay_88:

(3, 54249), (Start: 4 @54366 has 17 MA's), (5, 54432), (6, 54438),

Gene: Buck_91 Start: 54900, Stop: 55172, Start Num: 4

Candidate Starts for Buck_91:

(Start: 4 @54900 has 17 MA's), (5, 54966), (6, 54972),

Gene: Cjw1_91 Start: 55667, Stop: 55939, Start Num: 4

Candidate Starts for Cjw1_91:

(Start: 4 @55667 has 17 MA's), (5, 55733), (6, 55739),

Gene: Elph10_91 Start: 53695, Stop: 53967, Start Num: 4

Candidate Starts for Elph10_91:

(Start: 4 @53695 has 17 MA's), (5, 53761), (6, 53767),

Gene: Filch_92 Start: 53900, Stop: 54172, Start Num: 4

Candidate Starts for Filch_92:

(Start: 4 @53900 has 17 MA's), (5, 53966), (6, 53972),

Gene: HanKaySha_91 Start: 53775, Stop: 54047, Start Num: 4

Candidate Starts for HanKaySha_91:

(Start: 4 @53775 has 17 MA's), (5, 53841), (6, 53847),

Gene: Hopey_91 Start: 54586, Stop: 54858, Start Num: 4

Candidate Starts for Hopey_91:

(Start: 4 @54586 has 17 MA's), (5, 54652), (6, 54658),

Gene: JeTaime_91 Start: 54938, Stop: 55210, Start Num: 4

Candidate Starts for JeTaime_91:

(Start: 4 @54938 has 17 MA's), (5, 55004), (6, 55010),

Gene: Lilac_93 Start: 54177, Stop: 54449, Start Num: 4

Candidate Starts for Lilac_93:

(Start: 4 @54177 has 17 MA's), (5, 54243), (6, 54249),

Gene: Maxxinista_93 Start: 54344, Stop: 54616, Start Num: 4

Candidate Starts for Maxxinista_93:

(Start: 4 @54344 has 17 MA's), (5, 54410), (6, 54416),

Gene: Pat3_87 Start: 52611, Stop: 52883, Start Num: 4

Candidate Starts for Pat3_87:

(1, 52464), (2, 52485), (Start: 4 @52611 has 17 MA's), (5, 52677), (6, 52683),

Gene: Petra64142_95 Start: 55682, Stop: 55888, Start Num: 5

Candidate Starts for Petra64142_95:

(Start: 4 @55616 has 17 MA's), (5, 55682), (6, 55688),

Gene: Phaux_93 Start: 55460, Stop: 55732, Start Num: 4

Candidate Starts for Phaux_93:

(Start: 4 @55460 has 17 MA's), (5, 55526), (6, 55532),

Gene: Phrux_88 Start: 53736, Stop: 54008, Start Num: 4

Candidate Starts for Phrux_88:

(Start: 4 @53736 has 17 MA's), (5, 53802), (6, 53808),

Gene: Pumpkin_94 Start: 55112, Stop: 55384, Start Num: 4

Candidate Starts for Pumpkin_94:

(Start: 4 @55112 has 17 MA's), (5, 55178), (6, 55184),

Gene: RiverMonster_91 Start: 54632, Stop: 54904, Start Num: 4

Candidate Starts for RiverMonster_91:

(Start: 4 @54632 has 17 MA's), (5, 54698), (6, 54704),

Gene: Stark_92 Start: 54515, Stop: 54787, Start Num: 4

Candidate Starts for Stark_92:

(Start: 4 @54515 has 17 MA's), (5, 54581), (6, 54587),

Gene: Thresher_93 Start: 55295, Stop: 55567, Start Num: 4

Candidate Starts for Thresher_93:

(Start: 4 @55295 has 17 MA's), (5, 55361), (6, 55367),