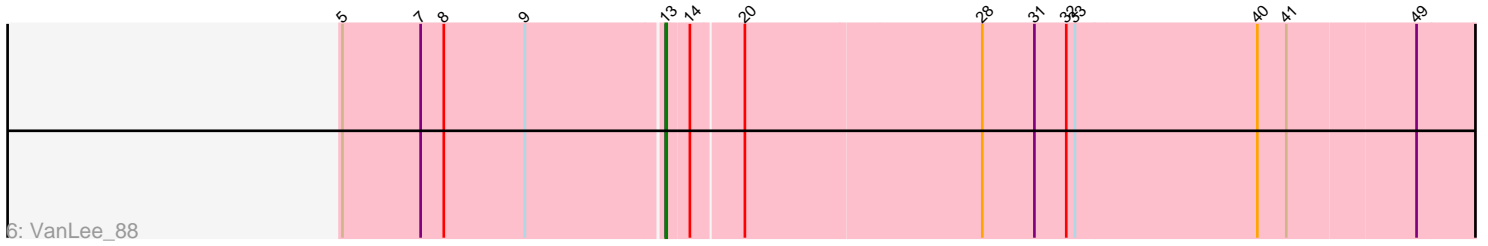
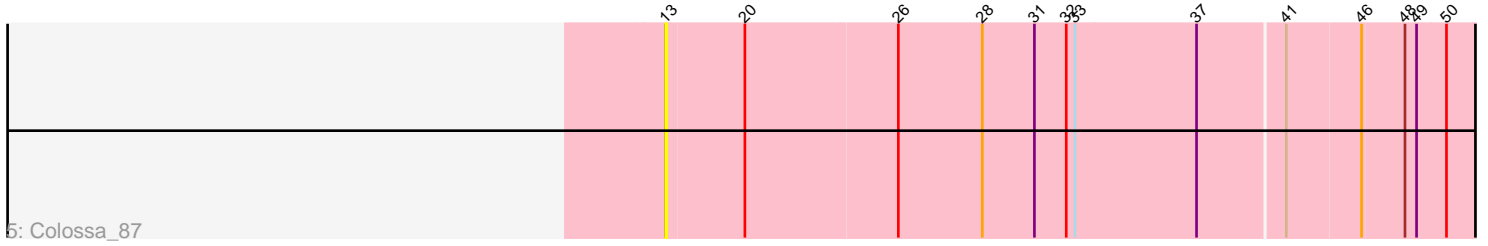
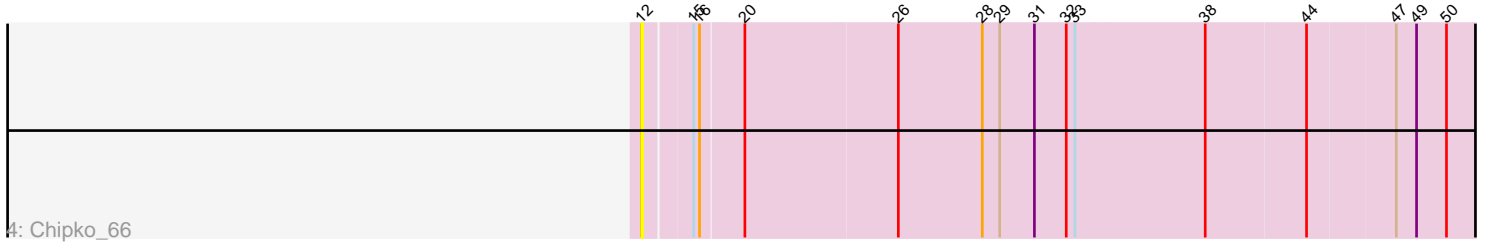
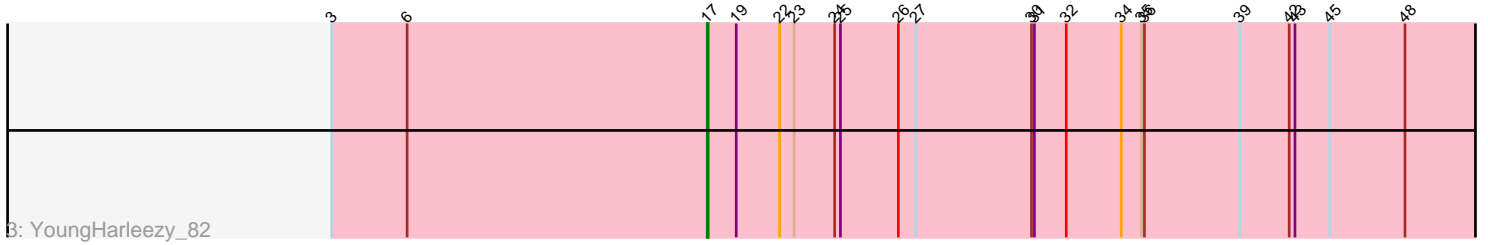
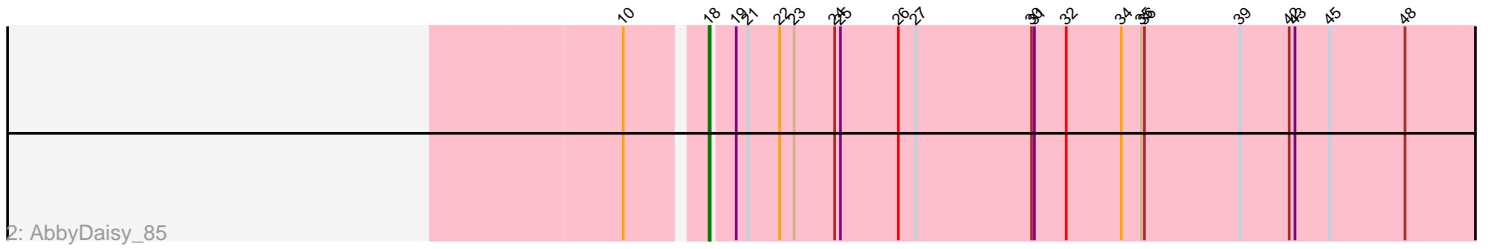
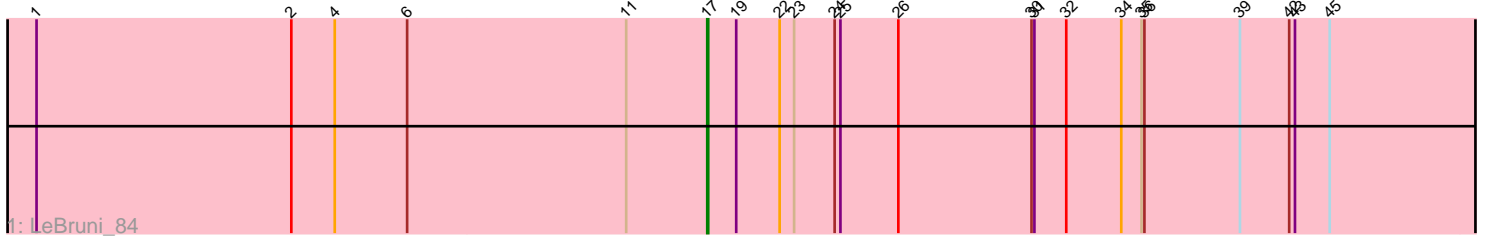


Pham 305599



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 305599 Report

This analysis was run 06/08/26 on database version 649.

Pham number 305599 has 6 members, 2 are drafts.

Phages represented in each track:

- Track 1 : LeBruni_84
- Track 2 : AbbyDaisy_85
- Track 3 : YoungHarleezy_82
- Track 4 : Chipko_66
- Track 5 : Colossa_87
- Track 6 : VanLee_88

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

The start number called the most often in the published annotations is 17, it was called in 2 of the 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- LeBruni_84, YoungHarleezy_82,

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

-

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

- AbbyDaisy_85, Chipko_66, Colossa_87, VanLee_88,

Summary by start number:

Start 12:

- Found in 1 of 6 (16.7%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Chipko_66 (DB),

Start 13:

- Found in 2 of 6 (33.3%) of genes in pham
- Manual Annotations of this start: 1 of 4
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Colossa_87 (KA), VanLee_88 (KA),

Start 17:

- Found in 2 of 6 (33.3%) of genes in pham
- Manual Annotations of this start: 2 of 4
- Called 100.0% of time when present
- Phage (with cluster) where this start called: LeBruni_84 (AY), YoungHarleezy_82 (AY),

Start 18:

- Found in 1 of 6 (16.7%) of genes in pham
- Manual Annotations of this start: 1 of 4
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AbbyDaisy_85 (AY),

Summary by clusters:

There are 3 clusters represented in this pham: AY, KA, DB,

Info for manual annotations of cluster AY:

- Start number 17 was manually annotated 2 times for cluster AY.
- Start number 18 was manually annotated 1 time for cluster AY.

Info for manual annotations of cluster KA:

- Start number 13 was manually annotated 1 time for cluster KA.

Gene Information:

Gene: AbbyDaisy_85 Start: 48805, Stop: 49686, Start Num: 18

Candidate Starts for AbbyDaisy_85:

(10, 48733), (Start: 18 @48805 has 1 MA's), (19, 48826), (21, 48838), (22, 48871), (23, 48886), (24, 48928), (25, 48934), (26, 48994), (27, 49012), (30, 49132), (31, 49135), (32, 49168), (34, 49225), (35, 49246), (36, 49249), (39, 49348), (42, 49399), (43, 49405), (45, 49441), (48, 49519),

Gene: Chipko_66 Start: 42997, Stop: 43869, Start Num: 12

Candidate Starts for Chipko_66:

(12, 42997), (15, 43039), (16, 43045), (20, 43087), (26, 43240), (28, 43327), (29, 43345), (31, 43381), (32, 43414), (33, 43423), (38, 43555), (44, 43657), (47, 43744), (49, 43765), (50, 43795),

Gene: Colossa_87 Start: 47987, Stop: 48844, Start Num: 13

Candidate Starts for Colossa_87:

(Start: 13 @47987 has 1 MA's), (20, 48065), (26, 48218), (28, 48305), (31, 48359), (32, 48392), (33, 48401), (37, 48524), (41, 48611), (46, 48686), (48, 48728), (49, 48740), (50, 48770),

Gene: LeBruni_84 Start: 46812, Stop: 47714, Start Num: 17

Candidate Starts for LeBruni_84:

(1, 46119), (2, 46383), (4, 46428), (6, 46503), (11, 46728), (Start: 17 @46812 has 2 MA's), (19, 46842), (22, 46887), (23, 46902), (24, 46944), (25, 46950), (26, 47010), (30, 47148), (31, 47151), (32, 47184), (34, 47241), (35, 47262), (36, 47265), (39, 47364), (42, 47415), (43, 47421), (45, 47457),

Gene: VanLee_88 Start: 48644, Stop: 49501, Start Num: 13

Candidate Starts for VanLee_88:

(5, 48320), (7, 48401), (8, 48425), (9, 48509), (Start: 13 @48644 has 1 MA's), (14, 48665), (20, 48716), (28, 48956), (31, 49010), (32, 49043), (33, 49052), (40, 49238), (41, 49268), (49, 49397),

Gene: YoungHarleezy_82 Start: 46570, Stop: 47463, Start Num: 17

Candidate Starts for YoungHarleezy_82:

(3, 46183), (6, 46261), (Start: 17 @46570 has 2 MA's), (19, 46600), (22, 46645), (23, 46660), (24, 46702), (25, 46708), (26, 46768), (27, 46786), (30, 46906), (31, 46909), (32, 46942), (34, 46999), (35, 47020), (36, 47023), (39, 47122), (42, 47173), (43, 47179), (45, 47215), (48, 47293),