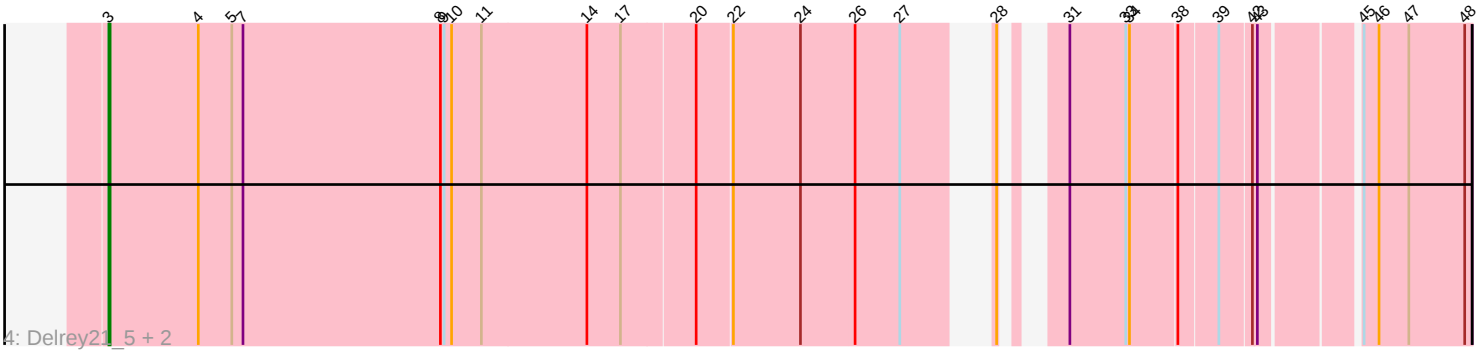
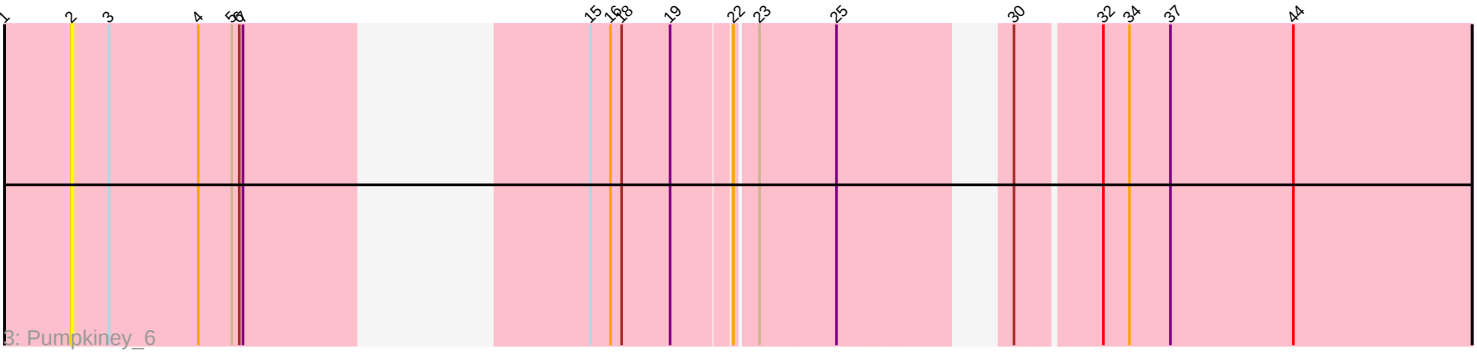
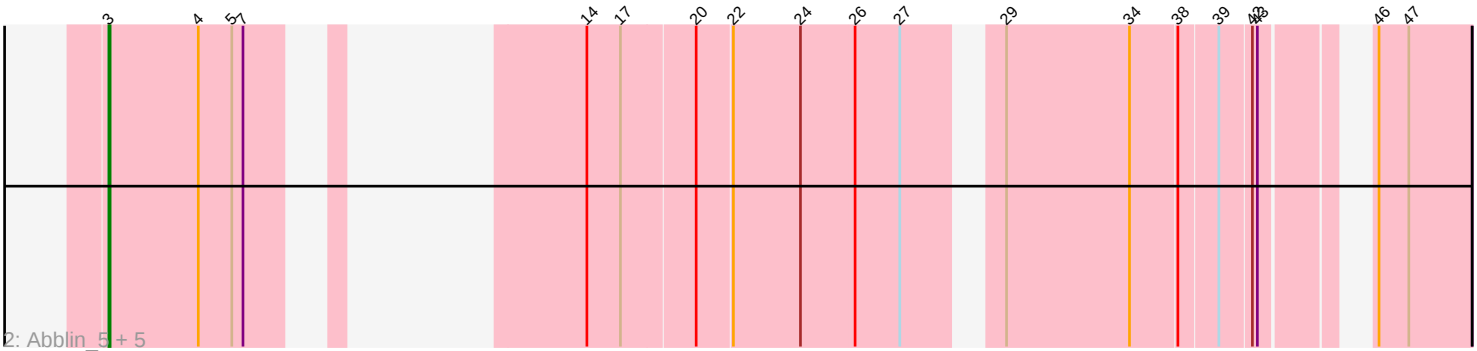
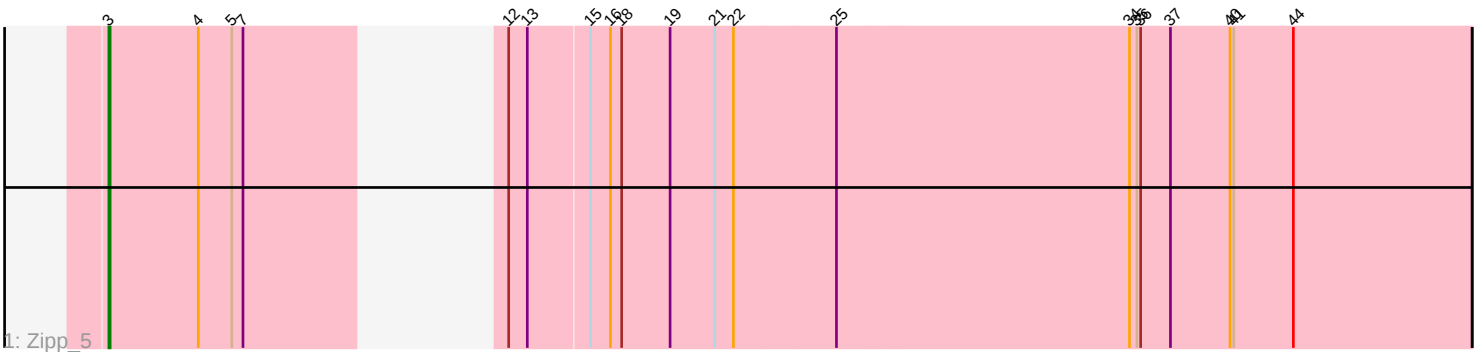


Pham 274867



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 274867 Report

This analysis was run 02/07/26 on database version 634.

Pham number 274867 has 11 members, 4 are drafts.

Phages represented in each track:

- Track 1 : Zipp_5
- Track 2 : Abblin_5, ViaConlectus_5, Scioto_5, Sampson_5, APunk_5, Natkenzie_5
- Track 3 : Pumpkiney_6
- Track 4 : Delrey21_5, DoctorFroggo_5, Verity_5

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 7 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- APunk_5, Abblin_5, Delrey21_5, DoctorFroggo_5, Natkenzie_5, Sampson_5, Scioto_5, Verity_5, ViaConlectus_5, Zipp_5,

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

- Pumpkiney_6,

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

•

Summary by start number:

Start 2:

- Found in 1 of 11 (9.1%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Pumpkiney_6 (DE4),

Start 3:

- Found in 11 of 11 (100.0%) of genes in pham
- Manual Annotations of this start: 7 of 7
- Called 90.9% of time when present
- Phage (with cluster) where this start called: APunk_5 (DE4), Abblin_5 (DE4), Delrey21_5 (DE4), DoctorFroggo_5 (DE4), Natkenzie_5 (DE4), Sampson_5 (DE4),

Scioto_5 (DE4), Verity_5 (DE4), ViaConlectus_5 (DE4), Zipp_5 (DE4),

Summary by clusters:

There is one cluster represented in this pham: DE4

Info for manual annotations of cluster DE4:

•Start number 3 was manually annotated 7 times for cluster DE4.

Gene Information:

Gene: APunk_5 Start: 3629, Stop: 4483, Start Num: 3

Candidate Starts for APunk_5:

(Start: 3 @3629 has 7 MA's), (4, 3701), (5, 3728), (7, 3737), (14, 3857), (17, 3884), (20, 3941), (22, 3968), (24, 4022), (26, 4064), (27, 4100), (29, 4157), (34, 4256), (38, 4292), (39, 4322), (42, 4346), (43, 4349), (46, 4409), (47, 4433),

Gene: Abblin_5 Start: 3629, Stop: 4483, Start Num: 3

Candidate Starts for Abblin_5:

(Start: 3 @3629 has 7 MA's), (4, 3701), (5, 3728), (7, 3737), (14, 3857), (17, 3884), (20, 3941), (22, 3968), (24, 4022), (26, 4064), (27, 4100), (29, 4157), (34, 4256), (38, 4292), (39, 4322), (42, 4346), (43, 4349), (46, 4409), (47, 4433),

Gene: Delrey21_5 Start: 3629, Stop: 4618, Start Num: 3

Candidate Starts for Delrey21_5:

(Start: 3 @3629 has 7 MA's), (4, 3701), (5, 3728), (7, 3737), (8, 3896), (9, 3899), (10, 3905), (11, 3929), (14, 4013), (17, 4040), (20, 4097), (22, 4124), (24, 4178), (26, 4220), (27, 4256), (28, 4298), (31, 4322), (33, 4367), (34, 4370), (38, 4406), (39, 4436), (42, 4460), (43, 4463), (45, 4532), (46, 4544), (47, 4568), (48, 4613),

Gene: DoctorFroggo_5 Start: 3629, Stop: 4618, Start Num: 3

Candidate Starts for DoctorFroggo_5:

(Start: 3 @3629 has 7 MA's), (4, 3701), (5, 3728), (7, 3737), (8, 3896), (9, 3899), (10, 3905), (11, 3929), (14, 4013), (17, 4040), (20, 4097), (22, 4124), (24, 4178), (26, 4220), (27, 4256), (28, 4298), (31, 4322), (33, 4367), (34, 4370), (38, 4406), (39, 4436), (42, 4460), (43, 4463), (45, 4532), (46, 4544), (47, 4568), (48, 4613),

Gene: Natkenzie_5 Start: 3629, Stop: 4483, Start Num: 3

Candidate Starts for Natkenzie_5:

(Start: 3 @3629 has 7 MA's), (4, 3701), (5, 3728), (7, 3737), (14, 3857), (17, 3884), (20, 3941), (22, 3968), (24, 4022), (26, 4064), (27, 4100), (29, 4157), (34, 4256), (38, 4292), (39, 4322), (42, 4346), (43, 4349), (46, 4409), (47, 4433),

Gene: Pumpkiney_6 Start: 2776, Stop: 3723, Start Num: 2

Candidate Starts for Pumpkiney_6:

(1, 2722), (2, 2776), (Start: 3 @2806 has 7 MA's), (4, 2878), (5, 2905), (6, 2911), (7, 2914), (15, 3082), (16, 3097), (18, 3106), (19, 3145), (22, 3190), (23, 3205), (25, 3265), (30, 3364), (32, 3427), (34, 3448), (37, 3481), (44, 3580),

Gene: Sampson_5 Start: 3629, Stop: 4483, Start Num: 3

Candidate Starts for Sampson_5:

(Start: 3 @3629 has 7 MA's), (4, 3701), (5, 3728), (7, 3737), (14, 3857), (17, 3884), (20, 3941), (22, 3968), (24, 4022), (26, 4064), (27, 4100), (29, 4157), (34, 4256), (38, 4292), (39, 4322), (42, 4346), (43, 4349), (46, 4409), (47, 4433),

Gene: Scioto_5 Start: 3629, Stop: 4483, Start Num: 3

Candidate Starts for Scioto_5:

(Start: 3 @3629 has 7 MA's), (4, 3701), (5, 3728), (7, 3737), (14, 3857), (17, 3884), (20, 3941), (22, 3968), (24, 4022), (26, 4064), (27, 4100), (29, 4157), (34, 4256), (38, 4292), (39, 4322), (42, 4346), (43, 4349), (46, 4409), (47, 4433),

Gene: Verity_5 Start: 3629, Stop: 4618, Start Num: 3

Candidate Starts for Verity_5:

(Start: 3 @3629 has 7 MA's), (4, 3701), (5, 3728), (7, 3737), (8, 3896), (9, 3899), (10, 3905), (11, 3929), (14, 4013), (17, 4040), (20, 4097), (22, 4124), (24, 4178), (26, 4220), (27, 4256), (28, 4298), (31, 4322), (33, 4367), (34, 4370), (38, 4406), (39, 4436), (42, 4460), (43, 4463), (45, 4532), (46, 4544), (47, 4568), (48, 4613),

Gene: ViaConlectus_5 Start: 3629, Stop: 4483, Start Num: 3

Candidate Starts for ViaConlectus_5:

(Start: 3 @3629 has 7 MA's), (4, 3701), (5, 3728), (7, 3737), (14, 3857), (17, 3884), (20, 3941), (22, 3968), (24, 4022), (26, 4064), (27, 4100), (29, 4157), (34, 4256), (38, 4292), (39, 4322), (42, 4346), (43, 4349), (46, 4409), (47, 4433),

Gene: Zipp_5 Start: 3792, Stop: 4766, Start Num: 3

Candidate Starts for Zipp_5:

(Start: 3 @3792 has 7 MA's), (4, 3864), (5, 3891), (7, 3900), (12, 4002), (13, 4017), (15, 4065), (16, 4080), (18, 4089), (19, 4128), (21, 4164), (22, 4179), (25, 4260), (34, 4491), (35, 4497), (36, 4500), (37, 4524), (40, 4572), (41, 4575), (44, 4623),