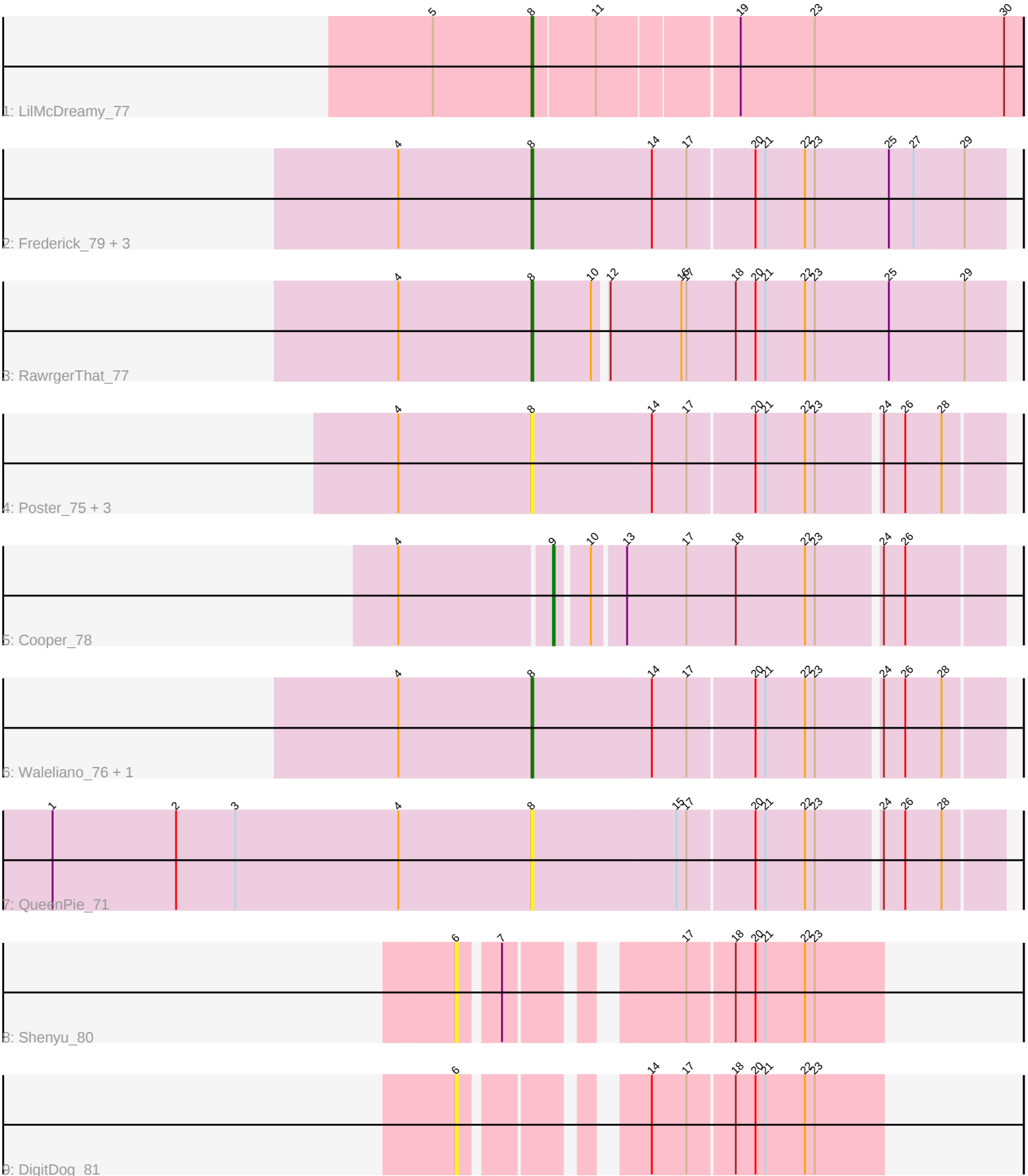


Pham 309479



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 309479 Report

This analysis was run 09/05/26 on database version 662.

Pham number 309479 has 16 members, 7 are drafts.

Phages represented in each track:

- Track 1 : LilMcDreamy_77
- Track 2 : Frederick_79, Lolalove_79, Zemanar_77, Hydro_78
- Track 3 : RawrgerThat_77
- Track 4 : Poster_75, Nanao_76, Lambano_75, Hally898_75
- Track 5 : Cooper_78
- Track 6 : Waleliano_76, BrownCNA_78
- Track 7 : QueenPie_71
- Track 8 : Shenyu_80
- Track 9 : DigitDog_81

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

The start number called the most often in the published annotations is 8, it was called in 8 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- BrownCNA_78, Frederick_79, Hally898_75, Hydro_78, Lambano_75, LilMcDreamy_77, Lolalove_79, Nanao_76, Poster_75, QueenPie_71, RawrgerThat_77, Waleliano_76, Zemanar_77,

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

-

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

- Cooper_78, DigitDog_81, Shenyu_80,

Summary by start number:

Start 6:

- Found in 2 of 16 (12.5%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: DigitDog_81 (B5), Shenyu_80 (B5),

Start 8:

- Found in 13 of 16 (81.2%) of genes in pham
- Manual Annotations of this start: 8 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BrownCNA_78 (B4), Frederick_79 (B4), Hally898_75 (B4), Hydro_78 (B4), Lambano_75 (B4), LilMcDreamy_77 (B12), Lolalove_79 (B4), Nanao_76 (B4), Poster_75 (B4), QueenPie_71 (B4), RawrgerThat_77 (B4), Waleliano_76 (B4), Zemanar_77 (B4),

Start 9:

- Found in 1 of 16 (6.2%) of genes in pham
- Manual Annotations of this start: 1 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Cooper_78 (B4),

Summary by clusters:

There are 3 clusters represented in this pham: B4, B5, B12,

Info for manual annotations of cluster B12:

- Start number 8 was manually annotated 1 time for cluster B12.

Info for manual annotations of cluster B4:

- Start number 8 was manually annotated 7 times for cluster B4.
- Start number 9 was manually annotated 1 time for cluster B4.

Gene Information:

Gene: BrownCNA_78 Start: 63564, Stop: 63292, Start Num: 8

Candidate Starts for BrownCNA_78:

(4, 63645), (Start: 8 @63564 has 8 MA's), (14, 63492), (17, 63471), (20, 63432), (21, 63426), (22, 63402), (23, 63396), (24, 63360), (26, 63348), (28, 63327),

Gene: Cooper_78 Start: 63026, Stop: 62772, Start Num: 9

Candidate Starts for Cooper_78:

(4, 63116), (Start: 9 @63026 has 1 MA's), (10, 63008), (13, 62990), (17, 62954), (18, 62924), (22, 62882), (23, 62876), (24, 62840), (26, 62828),

Gene: DigitDog_81 Start: 63289, Stop: 63068, Start Num: 6

Candidate Starts for DigitDog_81:

(6, 63289), (14, 63205), (17, 63184), (18, 63157), (20, 63145), (21, 63139), (22, 63115), (23, 63109),

Gene: Frederick_79 Start: 63643, Stop: 63362, Start Num: 8

Candidate Starts for Frederick_79:

(4, 63724), (Start: 8 @63643 has 8 MA's), (14, 63571), (17, 63550), (20, 63511), (21, 63505), (22, 63481), (23, 63475), (25, 63430), (27, 63415), (29, 63385),

Gene: Hally898_75 Start: 62606, Stop: 62334, Start Num: 8

Candidate Starts for Hally898_75:

(4, 62687), (Start: 8 @62606 has 8 MA's), (14, 62534), (17, 62513), (20, 62474), (21, 62468), (22, 62444), (23, 62438), (24, 62402), (26, 62390), (28, 62369),

Gene: Hydro_78 Start: 63772, Stop: 63491, Start Num: 8

Candidate Starts for Hydro_78:

(4, 63853), (Start: 8 @63772 has 8 MA's), (14, 63700), (17, 63679), (20, 63640), (21, 63634), (22, 63610), (23, 63604), (25, 63559), (27, 63544), (29, 63514),

Gene: Lambano_75 Start: 62606, Stop: 62334, Start Num: 8

Candidate Starts for Lambano_75:

(4, 62687), (Start: 8 @62606 has 8 MA's), (14, 62534), (17, 62513), (20, 62474), (21, 62468), (22, 62444), (23, 62438), (24, 62402), (26, 62390), (28, 62369),

Gene: LilMcDreamy_77 Start: 62837, Stop: 62550, Start Num: 8

Candidate Starts for LilMcDreamy_77:

(5, 62897), (Start: 8 @62837 has 8 MA's), (11, 62801), (19, 62720), (23, 62675), (30, 62561),

Gene: Lolalove_79 Start: 63695, Stop: 63414, Start Num: 8

Candidate Starts for Lolalove_79:

(4, 63776), (Start: 8 @63695 has 8 MA's), (14, 63623), (17, 63602), (20, 63563), (21, 63557), (22, 63533), (23, 63527), (25, 63482), (27, 63467), (29, 63437),

Gene: Nanao_76 Start: 62596, Stop: 62324, Start Num: 8

Candidate Starts for Nanao_76:

(4, 62677), (Start: 8 @62596 has 8 MA's), (14, 62524), (17, 62503), (20, 62464), (21, 62458), (22, 62434), (23, 62428), (24, 62392), (26, 62380), (28, 62359),

Gene: Poster_75 Start: 62597, Stop: 62325, Start Num: 8

Candidate Starts for Poster_75:

(4, 62678), (Start: 8 @62597 has 8 MA's), (14, 62525), (17, 62504), (20, 62465), (21, 62459), (22, 62435), (23, 62429), (24, 62393), (26, 62381), (28, 62360),

Gene: QueenPie_71 Start: 62330, Stop: 62058, Start Num: 8

Candidate Starts for QueenPie_71:

(1, 62621), (2, 62546), (3, 62510), (4, 62411), (Start: 8 @62330 has 8 MA's), (15, 62243), (17, 62237), (20, 62198), (21, 62192), (22, 62168), (23, 62162), (24, 62126), (26, 62114), (28, 62093),

Gene: RawrgerThat_77 Start: 63383, Stop: 63105, Start Num: 8

Candidate Starts for RawrgerThat_77:

(4, 63464), (Start: 8 @63383 has 8 MA's), (10, 63347), (12, 63341), (16, 63299), (17, 63296), (18, 63266), (20, 63254), (21, 63248), (22, 63224), (23, 63218), (25, 63173), (29, 63128),

Gene: Shenyu_80 Start: 63299, Stop: 63078, Start Num: 6

Candidate Starts for Shenyu_80:

(6, 63299), (7, 63278), (17, 63194), (18, 63167), (20, 63155), (21, 63149), (22, 63125), (23, 63119),

Gene: Waleliano_76 Start: 63317, Stop: 63045, Start Num: 8

Candidate Starts for Waleliano_76:

(4, 63398), (Start: 8 @63317 has 8 MA's), (14, 63245), (17, 63224), (20, 63185), (21, 63179), (22, 63155), (23, 63149), (24, 63113), (26, 63101), (28, 63080),

Gene: Zemanar_77 Start: 63563, Stop: 63282, Start Num: 8

Candidate Starts for Zemanar_77:

(4, 63644), (Start: 8 @63563 has 8 MA's), (14, 63491), (17, 63470), (20, 63431), (21, 63425), (22, 63401), (23, 63395), (25, 63350), (27, 63335), (29, 63305),