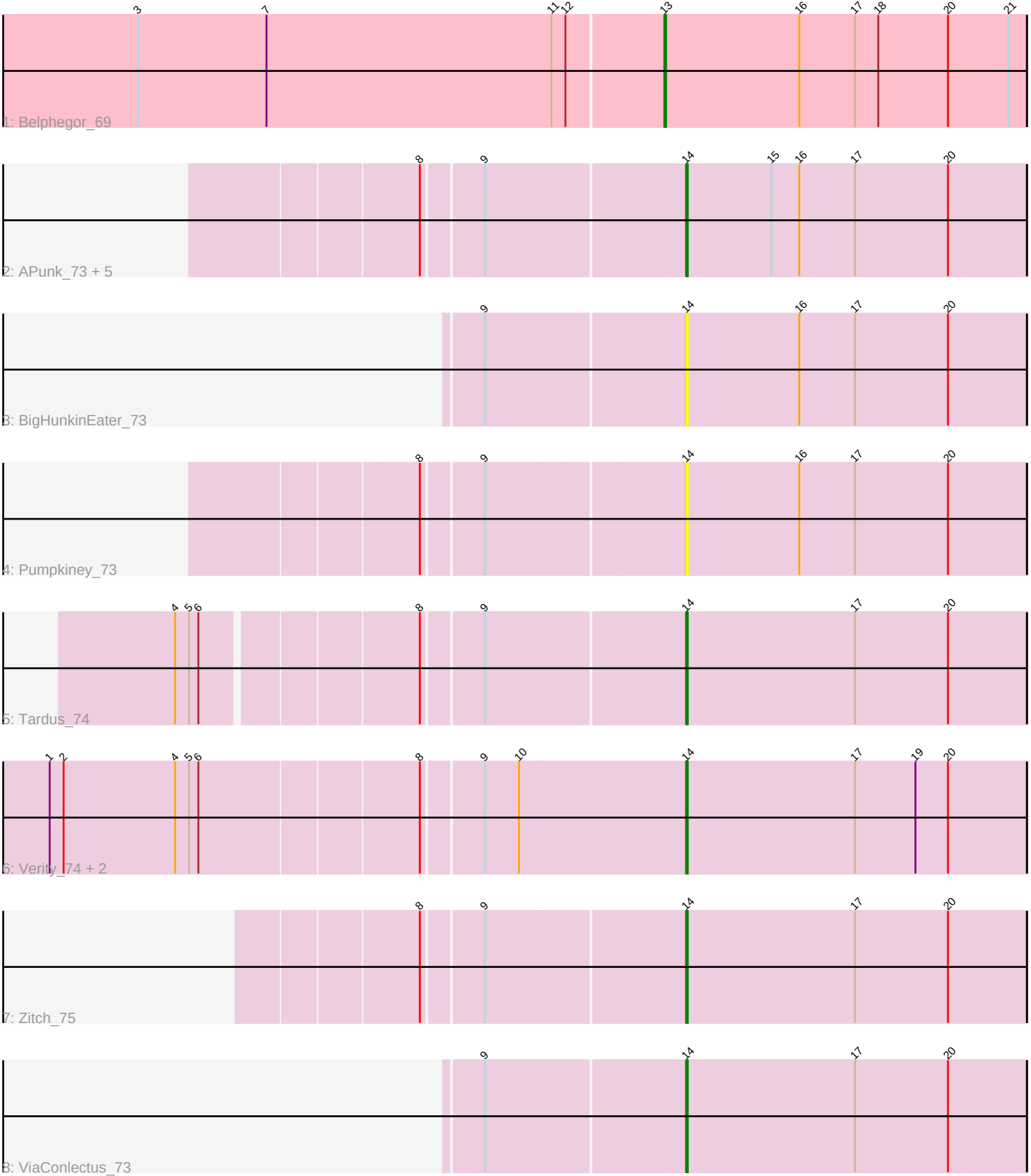


Pham 281007



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 281007 Report

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

Pham number 281007 has 15 members, 5 are drafts.

Phages represented in each track:

- Track 1 : Belphegor_69
- Track 2 : APunk_73, Abblin_73, Scioto_73, Natkenzie_73, Sampson_75, Zipp_74
- Track 3 : BigHunkinEater_73
- Track 4 : Pumpkiney_73
- Track 5 : Tardus_74
- Track 6 : Verity_74, Delrey21_74, DoctorFroggo_74
- Track 7 : Zitch_75
- Track 8 : ViaConlectus_73

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

The start number called the most often in the published annotations is 14, it was called in 9 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- APunk_73, Abblin_73, BigHunkinEater_73, Delrey21_74, DoctorFroggo_74, Natkenzie_73, Pumpkiney_73, Sampson_75, Scioto_73, Tardus_74, Verity_74, ViaConlectus_73, Zipp_74, Zitch_75,

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

-

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

- Belphegor_69,

Summary by start number:

Start 13:

- Found in 1 of 15 (6.7%) of genes in pham
- Manual Annotations of this start: 1 of 10
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Belphegor_69 (DE2),

Start 14:

- Found in 14 of 15 (93.3%) of genes in pham
- Manual Annotations of this start: 9 of 10
- Called 100.0% of time when present
- Phage (with cluster) where this start called: APunk_73 (DE4), Abblin_73 (DE4), BigHunkinEater_73 (DE4), Delrey21_74 (DE4), DoctorFroggo_74 (DE4), Natkenzie_73 (DE4), Pumpkiney_73 (DE4), Sampson_75 (DE4), Scioto_73 (DE4), Tardus_74 (DE4), Verity_74 (DE4), ViaConlectus_73 (DE4), Zipp_74 (DE4), Zitch_75 (DE4),

Summary by clusters:

There are 2 clusters represented in this pham: DE2, DE4,

Info for manual annotations of cluster DE2:

- Start number 13 was manually annotated 1 time for cluster DE2.

Info for manual annotations of cluster DE4:

- Start number 14 was manually annotated 9 times for cluster DE4.

Gene Information:

Gene: APunk_73 Start: 53717, Stop: 53935, Start Num: 14

Candidate Starts for APunk_73:

(8, 53558), (9, 53594), (Start: 14 @53717 has 9 MA's), (15, 53771), (16, 53789), (17, 53825), (20, 53885),

Gene: Abblin_73 Start: 53875, Stop: 54093, Start Num: 14

Candidate Starts for Abblin_73:

(8, 53716), (9, 53752), (Start: 14 @53875 has 9 MA's), (15, 53929), (16, 53947), (17, 53983), (20, 54043),

Gene: Belphegor_69 Start: 54091, Stop: 54324, Start Num: 13

Candidate Starts for Belphegor_69:

(3, 53758), (7, 53839), (11, 54022), (12, 54031), (Start: 13 @54091 has 1 MA's), (16, 54178), (17, 54214), (18, 54229), (20, 54274), (21, 54313),

Gene: BigHunkinEater_73 Start: 53522, Stop: 53740, Start Num: 14

Candidate Starts for BigHunkinEater_73:

(9, 53399), (Start: 14 @53522 has 9 MA's), (16, 53594), (17, 53630), (20, 53690),

Gene: Delrey21_74 Start: 55666, Stop: 55884, Start Num: 14

Candidate Starts for Delrey21_74:

(1, 55273), (2, 55282), (4, 55354), (5, 55363), (6, 55369), (8, 55504), (9, 55540), (10, 55561), (Start: 14 @55666 has 9 MA's), (17, 55774), (19, 55813), (20, 55834),

Gene: DoctorFroggo_74 Start: 55666, Stop: 55884, Start Num: 14

Candidate Starts for DoctorFroggo_74:

(1, 55273), (2, 55282), (4, 55354), (5, 55363), (6, 55369), (8, 55504), (9, 55540), (10, 55561), (Start: 14 @55666 has 9 MA's), (17, 55774), (19, 55813), (20, 55834),

Gene: Natkenzie_73 Start: 53875, Stop: 54093, Start Num: 14

Candidate Starts for Natkenzie_73:

(8, 53716), (9, 53752), (Start: 14 @53875 has 9 MA's), (15, 53929), (16, 53947), (17, 53983), (20, 54043),

Gene: Pumpkiney_73 Start: 52482, Stop: 52700, Start Num: 14

Candidate Starts for Pumpkiney_73:

(8, 52323), (9, 52359), (Start: 14 @52482 has 9 MA's), (16, 52554), (17, 52590), (20, 52650),

Gene: Sampson_75 Start: 54026, Stop: 54244, Start Num: 14

Candidate Starts for Sampson_75:

(8, 53867), (9, 53903), (Start: 14 @54026 has 9 MA's), (15, 54080), (16, 54098), (17, 54134), (20, 54194),

Gene: Scioto_73 Start: 53876, Stop: 54094, Start Num: 14

Candidate Starts for Scioto_73:

(8, 53717), (9, 53753), (Start: 14 @53876 has 9 MA's), (15, 53930), (16, 53948), (17, 53984), (20, 54044),

Gene: Tardus_74 Start: 54330, Stop: 54548, Start Num: 14

Candidate Starts for Tardus_74:

(4, 54027), (5, 54036), (6, 54042), (8, 54171), (9, 54207), (Start: 14 @54330 has 9 MA's), (17, 54438), (20, 54498),

Gene: Verity_74 Start: 55666, Stop: 55884, Start Num: 14

Candidate Starts for Verity_74:

(1, 55273), (2, 55282), (4, 55354), (5, 55363), (6, 55369), (8, 55504), (9, 55540), (10, 55561), (Start: 14 @55666 has 9 MA's), (17, 55774), (19, 55813), (20, 55834),

Gene: ViaConlectus_73 Start: 52827, Stop: 53045, Start Num: 14

Candidate Starts for ViaConlectus_73:

(9, 52704), (Start: 14 @52827 has 9 MA's), (17, 52935), (20, 52995),

Gene: Zipp_74 Start: 55254, Stop: 55472, Start Num: 14

Candidate Starts for Zipp_74:

(8, 55095), (9, 55131), (Start: 14 @55254 has 9 MA's), (15, 55308), (16, 55326), (17, 55362), (20, 55422),

Gene: Zitch_75 Start: 53704, Stop: 53922, Start Num: 14

Candidate Starts for Zitch_75:

(8, 53545), (9, 53581), (Start: 14 @53704 has 9 MA's), (17, 53812), (20, 53872),