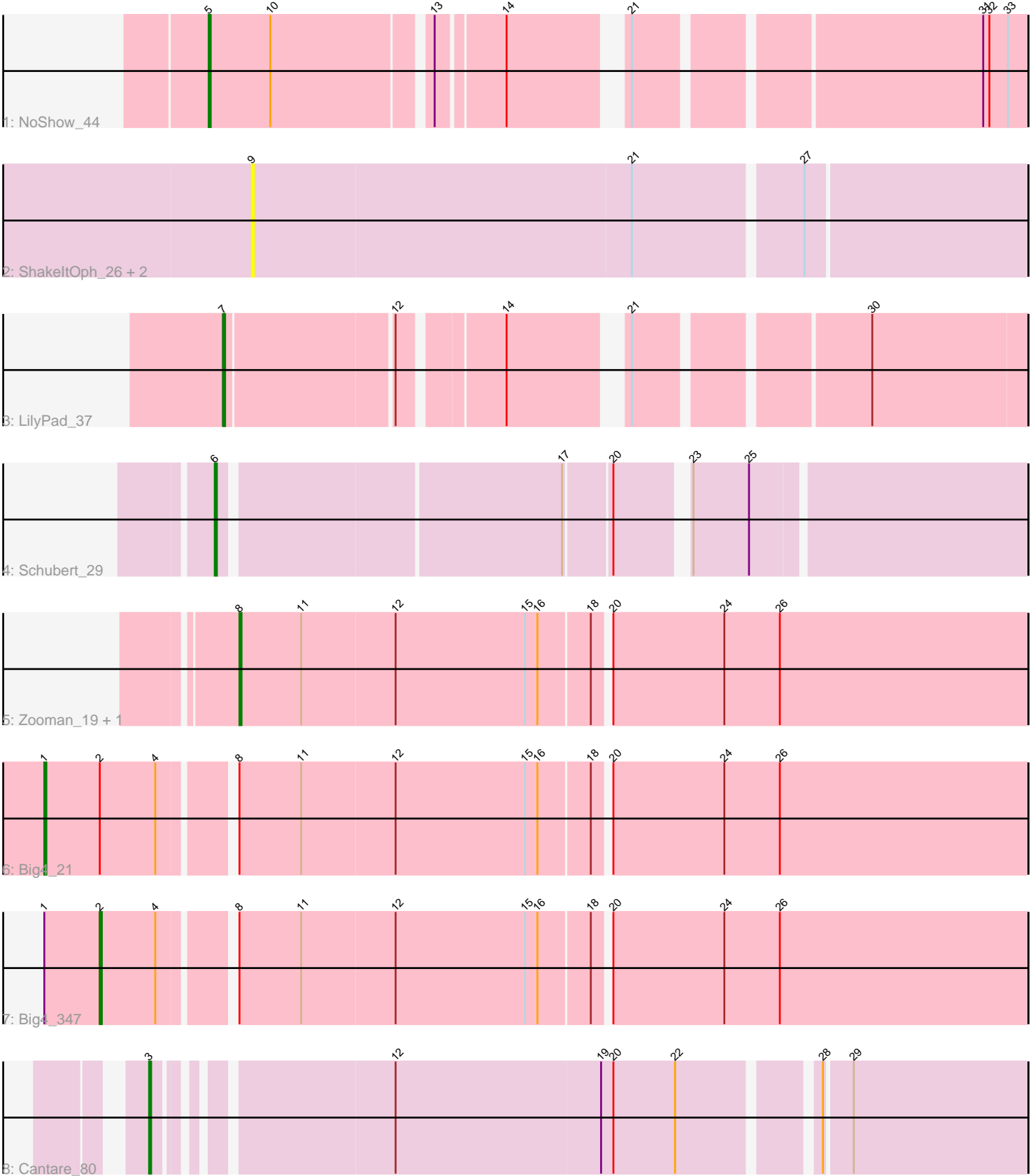


Pham 6677



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 6677 Report

This analysis was run 04/05/24 on database version 557.

Pham number 6677 has 11 members, 3 are drafts.

Phages represented in each track:

- Track 1 : NoShow_44
- Track 2 : ShakeltOph_26, JasmineDragon_26, MiniMommy_26
- Track 3 : LilyPad_37
- Track 4 : Schubert_29
- Track 5 : Zooman_19, Zooman_332
- Track 6 : Big4_21
- Track 7 : Big4_347
- Track 8 : Cantare_80

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 2 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Zooman_19, Zooman_332,

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

- Big4_21, Big4_347,

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

- Cantare_80, JasmineDragon_26, LilyPad_37, MiniMommy_26, NoShow_44, Schubert_29, ShakeltOph_26,

Summary by start number:

Start 1:

- Found in 2 of 11 (18.2%) of genes in pham
- Manual Annotations of this start: 1 of 8
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Big4_21 (GD2),

Start 2:

- Found in 2 of 11 (18.2%) of genes in pham

- Manual Annotations of this start: 1 of 8
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Big4_347 (GD2),

Start 3:

- Found in 1 of 11 (9.1%) of genes in pham
- Manual Annotations of this start: 1 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Cantare_80 (singleton),

Start 5:

- Found in 1 of 11 (9.1%) of genes in pham
- Manual Annotations of this start: 1 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: NoShow_44 (AB),

Start 6:

- Found in 1 of 11 (9.1%) of genes in pham
- Manual Annotations of this start: 1 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Schubert_29 (EA8),

Start 7:

- Found in 1 of 11 (9.1%) of genes in pham
- Manual Annotations of this start: 1 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: LilyPad_37 (DG1),

Start 8:

- Found in 4 of 11 (36.4%) of genes in pham
- Manual Annotations of this start: 2 of 8
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Zooman_19 (GD2), Zooman_332 (GD2),

Start 9:

- Found in 3 of 11 (27.3%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: JasmineDragon_26 (AZ4), MiniMommy_26 (AZ4), ShakeltOph_26 (AZ4),

Summary by clusters:

There are 6 clusters represented in this pham: GD2, AB, singleton, EA8, DG1, AZ4,

Info for manual annotations of cluster AB:

- Start number 5 was manually annotated 1 time for cluster AB.

Info for manual annotations of cluster DG1:

- Start number 7 was manually annotated 1 time for cluster DG1.

Info for manual annotations of cluster EA8:

- Start number 6 was manually annotated 1 time for cluster EA8.

Info for manual annotations of cluster GD2:

- Start number 1 was manually annotated 1 time for cluster GD2.
- Start number 2 was manually annotated 1 time for cluster GD2.
- Start number 8 was manually annotated 2 times for cluster GD2.

Gene Information:

Gene: Big4_21 Start: 9232, Stop: 9690, Start Num: 1

Candidate Starts for Big4_21:

(Start: 1 @9232 has 1 MA's), (Start: 2 @9259 has 1 MA's), (4, 9286), (Start: 8 @9316 has 2 MA's), (11, 9346), (12, 9391), (15, 9454), (16, 9460), (18, 9484), (20, 9490), (24, 9544), (26, 9571),

Gene: Big4_347 Start: 183953, Stop: 184384, Start Num: 2

Candidate Starts for Big4_347:

(Start: 1 @183926 has 1 MA's), (Start: 2 @183953 has 1 MA's), (4, 183980), (Start: 8 @184010 has 2 MA's), (11, 184040), (12, 184085), (15, 184148), (16, 184154), (18, 184178), (20, 184184), (24, 184238), (26, 184265),

Gene: Cantare_80 Start: 65298, Stop: 65687, Start Num: 3

Candidate Starts for Cantare_80:

(Start: 3 @65298 has 1 MA's), (12, 65397), (19, 65496), (20, 65502), (22, 65532), (28, 65592), (29, 65604),

Gene: JasmineDragon_26 Start: 19441, Stop: 19806, Start Num: 9

Candidate Starts for JasmineDragon_26:

(9, 19441), (21, 19624), (27, 19702),

Gene: LilyPad_37 Start: 31442, Stop: 31789, Start Num: 7

Candidate Starts for LilyPad_37:

(Start: 7 @31442 has 1 MA's), (12, 31520), (14, 31565), (21, 31613), (30, 31715),

Gene: MiniMommy_26 Start: 19442, Stop: 19807, Start Num: 9

Candidate Starts for MiniMommy_26:

(9, 19442), (21, 19625), (27, 19703),

Gene: NoShow_44 Start: 31237, Stop: 31593, Start Num: 5

Candidate Starts for NoShow_44:

(Start: 5 @31237 has 1 MA's), (10, 31267), (13, 31339), (14, 31369), (21, 31417), (31, 31573), (32, 31576), (33, 31585),

Gene: Schubert_29 Start: 21654, Stop: 21289, Start Num: 6

Candidate Starts for Schubert_29:

(Start: 6 @21654 has 1 MA's), (17, 21495), (20, 21474), (23, 21444), (25, 21417),

Gene: ShakeltOph_26 Start: 19441, Stop: 19806, Start Num: 9

Candidate Starts for ShakeltOph_26:

(9, 19441), (21, 19624), (27, 19702),

Gene: Zooman_19 Start: 8698, Stop: 9072, Start Num: 8

Candidate Starts for Zooman_19:

(Start: 8 @8698 has 2 MA's), (11, 8728), (12, 8773), (15, 8836), (16, 8842), (18, 8866), (20, 8872), (24, 8926), (26, 8953),

Gene: Zooman_332 Start: 184349, Stop: 184723, Start Num: 8

Candidate Starts for Zooman_332:

(Start: 8 @184349 has 2 MA's), (11, 184379), (12, 184424), (15, 184487), (16, 184493), (18, 184517), (20, 184523), (24, 184577), (26, 184604),