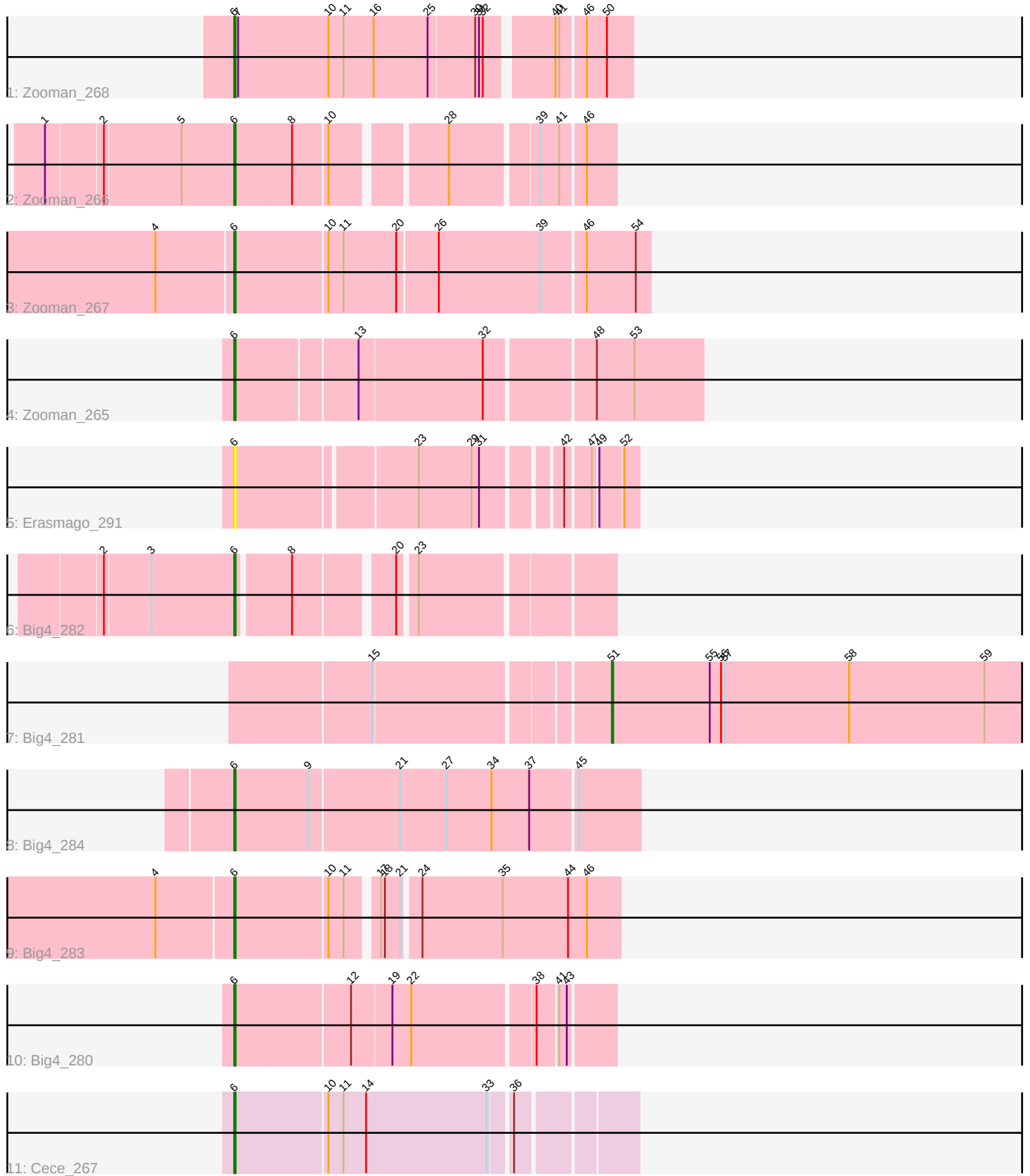


Pham 309726



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 309726 Report

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

Pham number 309726 has 11 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Zooman_268
- Track 2 : Zooman_266
- Track 3 : Zooman_267
- Track 4 : Zooman_265
- Track 5 : Erasmago_291
- Track 6 : Big4_282
- Track 7 : Big4_281
- Track 8 : Big4_284
- Track 9 : Big4_283
- Track 10 : Big4_280
- Track 11 : Cece_267

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

The start number called the most often in the published annotations is 6, it was called in 9 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Big4_280, Big4_282, Big4_283, Big4_284, Cece_267, Erasmago_291, Zooman_265, Zooman_266, Zooman_267, Zooman_268,

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

-

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

- Big4_281,

Summary by start number:

Start 6:

- Found in 10 of 11 (90.9%) 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: Big4_280 (GD2), Big4_282 (GD2), Big4_283 (GD2), Big4_284 (GD2), Cece_267 (GD3), Erasmago_291 (GD2), Zooman_265 (GD2), Zooman_266 (GD2), Zooman_267 (GD2), Zooman_268 (GD2),

Start 51:

- Found in 1 of 11 (9.1%) 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: Big4_281 (GD2),

Summary by clusters:

There are 2 clusters represented in this pham: GD2, GD3,

Info for manual annotations of cluster GD2:

- Start number 6 was manually annotated 8 times for cluster GD2.
- Start number 51 was manually annotated 1 time for cluster GD2.

Info for manual annotations of cluster GD3:

- Start number 6 was manually annotated 1 time for cluster GD3.

Gene Information:

Gene: Big4_282 Start: 158457, Stop: 158720, Start Num: 6

Candidate Starts for Big4_282:

(2, 158355), (3, 158391), (Start: 6 @158457 has 9 MA's), (8, 158496), (20, 158565), (23, 158577),

Gene: Big4_281 Start: 158104, Stop: 158454, Start Num: 51

Candidate Starts for Big4_281:

(15, 157930), (Start: 51 @158104 has 1 MA's), (55, 158182), (56, 158191), (57, 158194), (58, 158293), (59, 158401),

Gene: Big4_284 Start: 159004, Stop: 159315, Start Num: 6

Candidate Starts for Big4_284:

(Start: 6 @159004 has 9 MA's), (9, 159061), (21, 159130), (27, 159166), (34, 159202), (37, 159232), (45, 159268),

Gene: Big4_283 Start: 158720, Stop: 159004, Start Num: 6

Candidate Starts for Big4_283:

(4, 158660), (Start: 6 @158720 has 9 MA's), (10, 158789), (11, 158801), (17, 158822), (18, 158825), (21, 158837), (24, 158849), (35, 158912), (44, 158963), (46, 158978),

Gene: Big4_280 Start: 157826, Stop: 158107, Start Num: 6

Candidate Starts for Big4_280:

(Start: 6 @157826 has 9 MA's), (12, 157913), (19, 157943), (22, 157958), (38, 158051), (41, 158066), (43, 158072),

Gene: Cece_267 Start: 154568, Stop: 154864, Start Num: 6

Candidate Starts for Cece_267:

(Start: 6 @154568 has 9 MA's), (10, 154637), (11, 154649), (14, 154667), (33, 154763), (36, 154778),

Gene: Erasmago_291 Start: 158791, Stop: 159078, Start Num: 6

Candidate Starts for Erasmago_291:

(Start: 6 @158791 has 9 MA's), (23, 158926), (29, 158968), (31, 158974), (42, 159028), (47, 159046), (49, 159049), (52, 159067),

Gene: Zooman_268 Start: 158532, Stop: 158828, Start Num: 6

Candidate Starts for Zooman_268:

(Start: 6 @158532 has 9 MA's), (7, 158535), (10, 158604), (11, 158616), (16, 158640), (25, 158682), (30, 158718), (31, 158721), (32, 158724), (40, 158772), (41, 158775), (46, 158793), (50, 158808),

Gene: Zooman_266 Start: 157949, Stop: 158218, Start Num: 6

Candidate Starts for Zooman_266:

(1, 157805), (2, 157847), (5, 157907), (Start: 6 @157949 has 9 MA's), (8, 157994), (10, 158018), (28, 158099), (39, 158162), (41, 158177), (46, 158195),

Gene: Zooman_267 Start: 158218, Stop: 158535, Start Num: 6

Candidate Starts for Zooman_267:

(4, 158158), (Start: 6 @158218 has 9 MA's), (10, 158287), (11, 158299), (20, 158341), (26, 158371), (39, 158452), (46, 158485), (54, 158524),

Gene: Zooman_265 Start: 157596, Stop: 157946, Start Num: 6

Candidate Starts for Zooman_265:

(Start: 6 @157596 has 9 MA's), (13, 157686), (32, 157782), (48, 157863), (53, 157893),