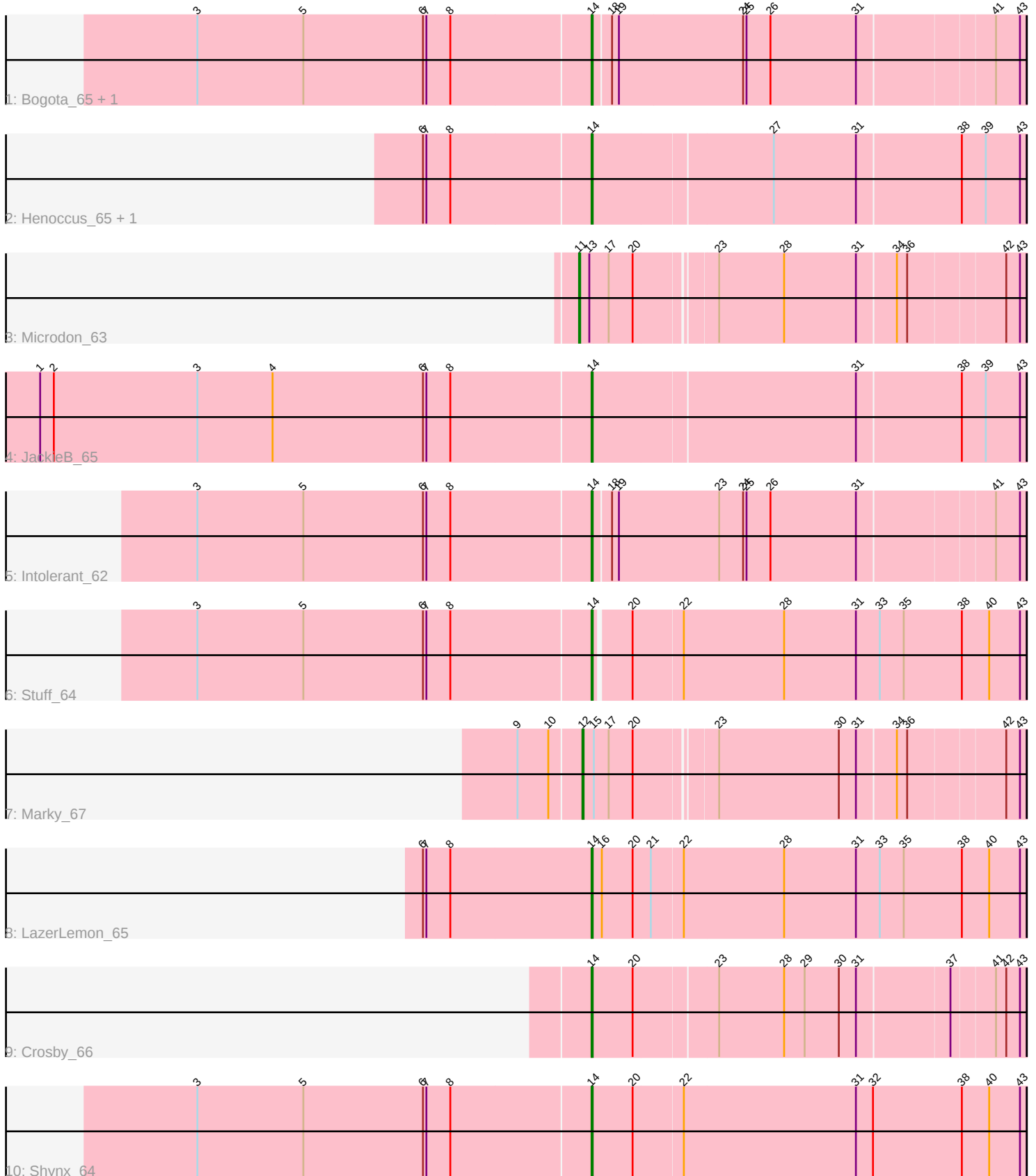


# Pham 331432



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 331432 Report

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

Pham number 331432 has 12 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Bogota\_65, UNTPL\_66
- Track 2 : Henoccus\_65, Araceli\_64
- Track 3 : Microdon\_63
- Track 4 : JackieB\_65
- Track 5 : Intolerant\_62
- Track 6 : Stuff\_64
- Track 7 : Marky\_67
- Track 8 : LazerLemon\_65
- Track 9 : Crosby\_66
- Track 10 : Shynx\_64

### ***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 10 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Araceli\_64, Bogota\_65, Crosby\_66, Henoccus\_65, Intolerant\_62, JackieB\_65, LazerLemon\_65, Shynx\_64, Stuff\_64, UNTPL\_66,

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

- 

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

- Marky\_67, Microdon\_63,

### **Summary by start number:**

Start 11:

- Found in 1 of 12 ( 8.3% ) of genes in pham
- Manual Annotations of this start: 1 of 12
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Microdon\_63 (BH),

#### Start 12:

- Found in 1 of 12 ( 8.3% ) of genes in pham
- Manual Annotations of this start: 1 of 12
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Marky\_67 (BH),

#### Start 14:

- Found in 10 of 12 ( 83.3% ) of genes in pham
- Manual Annotations of this start: 10 of 12
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Araceli\_64 (BH), Bogota\_65 (BH), Crosby\_66 (BH), Henoccus\_65 (BH), Intolerant\_62 (BH), JackieB\_65 (BH), LazerLemon\_65 (BH), Shynx\_64 (BH), Stuff\_64 (BH), UNTPL\_66 (BH),

### Summary by clusters:

There is one cluster represented in this pham: BH

Info for manual annotations of cluster BH:

- Start number 11 was manually annotated 1 time for cluster BH.
- Start number 12 was manually annotated 1 time for cluster BH.
- Start number 14 was manually annotated 10 times for cluster BH.

### Gene Information:

Gene: Araceli\_64 Start: 46836, Stop: 47207, Start Num: 14

Candidate Starts for Araceli\_64:

(6, 46692), (7, 46695), (8, 46716), (Start: 14 @46836 has 10 MA's), (27, 46989), (31, 47061), (38, 47151), (39, 47172), (43, 47202),

Gene: Bogota\_65 Start: 47089, Stop: 47457, Start Num: 14

Candidate Starts for Bogota\_65:

(3, 46747), (5, 46840), (6, 46945), (7, 46948), (8, 46969), (Start: 14 @47089 has 10 MA's), (18, 47104), (19, 47110), (24, 47218), (25, 47221), (26, 47242), (31, 47317), (41, 47431), (43, 47452),

Gene: Crosby\_66 Start: 47106, Stop: 47471, Start Num: 14

Candidate Starts for Crosby\_66:

(Start: 14 @47106 has 10 MA's), (20, 47142), (23, 47211), (28, 47268), (29, 47286), (30, 47316), (31, 47331), (37, 47409), (41, 47445), (42, 47454), (43, 47466),

Gene: Henoccus\_65 Start: 46848, Stop: 47219, Start Num: 14

Candidate Starts for Henoccus\_65:

(6, 46704), (7, 46707), (8, 46728), (Start: 14 @46848 has 10 MA's), (27, 47001), (31, 47073), (38, 47163), (39, 47184), (43, 47214),

Gene: Intolerant\_62 Start: 46794, Stop: 47162, Start Num: 14

Candidate Starts for Intolerant\_62:

(3, 46452), (5, 46545), (6, 46650), (7, 46653), (8, 46674), (Start: 14 @46794 has 10 MA's), (18, 46809), (19, 46815), (23, 46902), (24, 46923), (25, 46926), (26, 46947), (31, 47022), (41, 47136), (43, 47157),

Gene: JackieB\_65 Start: 46686, Stop: 47057, Start Num: 14

Candidate Starts for JackieB\_65:

(1, 46206), (2, 46218), (3, 46344), (4, 46410), (6, 46542), (7, 46545), (8, 46566), (Start: 14 @46686 has 10 MA's), (31, 46911), (38, 47001), (39, 47022), (43, 47052),

Gene: LazerLemon\_65 Start: 47533, Stop: 47910, Start Num: 14

Candidate Starts for LazerLemon\_65:

(6, 47386), (7, 47389), (8, 47410), (Start: 14 @47533 has 10 MA's), (16, 47542), (20, 47569), (21, 47584), (22, 47611), (28, 47698), (31, 47761), (33, 47782), (35, 47803), (38, 47854), (40, 47878), (43, 47905),

Gene: Marky\_67 Start: 47205, Stop: 47570, Start Num: 12

Candidate Starts for Marky\_67:

(9, 47151), (10, 47178), (Start: 12 @47205 has 1 MA's), (15, 47214), (17, 47226), (20, 47247), (23, 47310), (30, 47415), (31, 47430), (34, 47463), (36, 47472), (42, 47553), (43, 47565),

Gene: Microdon\_63 Start: 46363, Stop: 46731, Start Num: 11

Candidate Starts for Microdon\_63:

(Start: 11 @46363 has 1 MA's), (13, 46372), (17, 46387), (20, 46408), (23, 46471), (28, 46528), (31, 46591), (34, 46624), (36, 46633), (42, 46714), (43, 46726),

Gene: Shynx\_64 Start: 47020, Stop: 47397, Start Num: 14

Candidate Starts for Shynx\_64:

(3, 46678), (5, 46771), (6, 46876), (7, 46879), (8, 46900), (Start: 14 @47020 has 10 MA's), (20, 47056), (22, 47098), (31, 47248), (32, 47263), (38, 47341), (40, 47365), (43, 47392),

Gene: Stuff\_64 Start: 47067, Stop: 47438, Start Num: 14

Candidate Starts for Stuff\_64:

(3, 46725), (5, 46818), (6, 46923), (7, 46926), (8, 46947), (Start: 14 @47067 has 10 MA's), (20, 47097), (22, 47139), (28, 47226), (31, 47289), (33, 47310), (35, 47331), (38, 47382), (40, 47406), (43, 47433),

Gene: UNTPL\_66 Start: 47124, Stop: 47492, Start Num: 14

Candidate Starts for UNTPL\_66:

(3, 46782), (5, 46875), (6, 46980), (7, 46983), (8, 47004), (Start: 14 @47124 has 10 MA's), (18, 47139), (19, 47145), (24, 47253), (25, 47256), (26, 47277), (31, 47352), (41, 47466), (43, 47487),