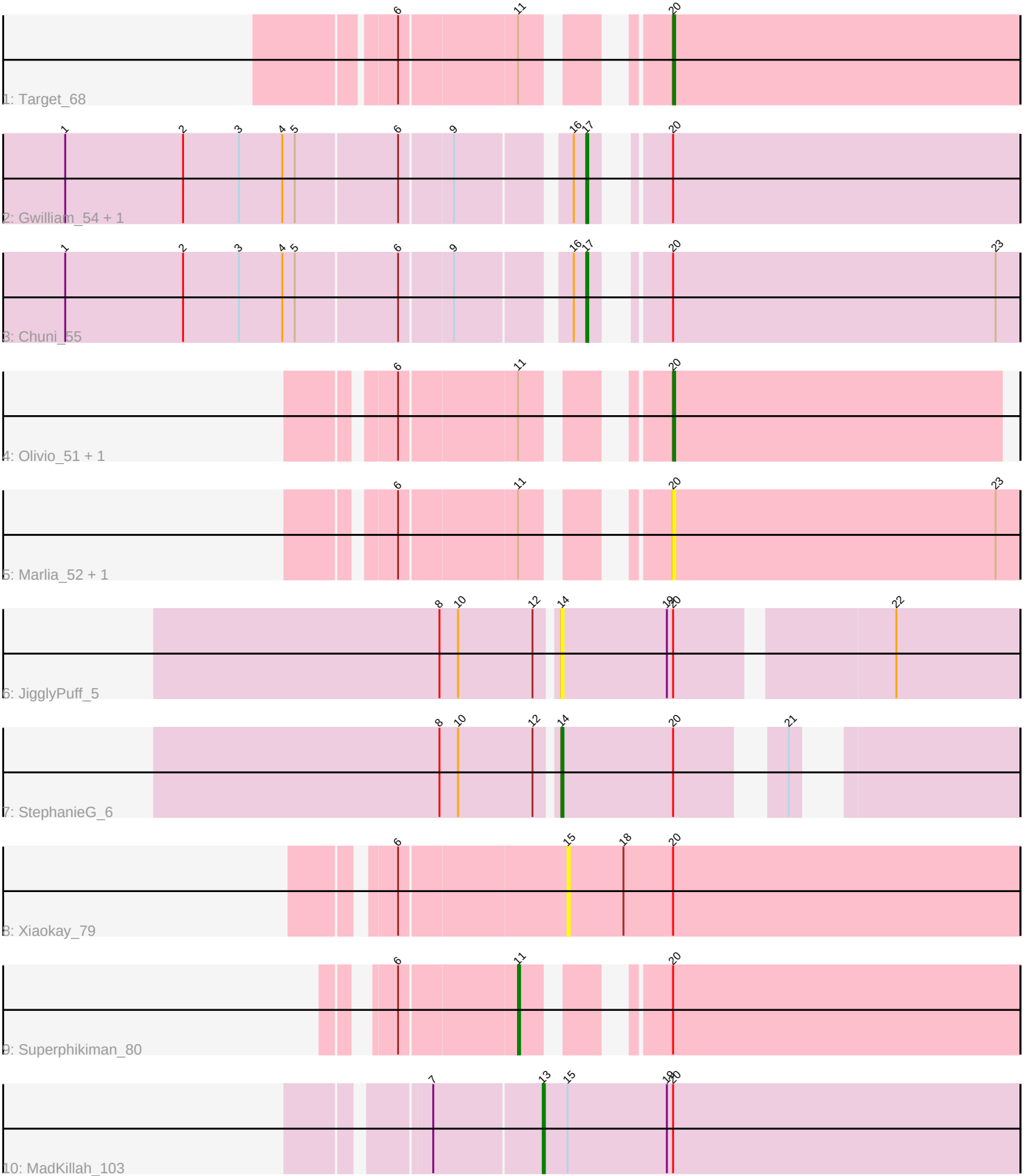


Pham 331405



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 331405 Report

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

Pham number 331405 has 13 members, 6 are drafts.

Phages represented in each track:

- Track 1 : Target_68
- Track 2 : Gwilliam_54, DolOn_57
- Track 3 : Chuni_55
- Track 4 : Olivio_51, Heathcliff_51
- Track 5 : Marlia_52, SlippinJimmy_53
- Track 6 : JigglyPuff_5
- Track 7 : StephanieG_6
- Track 8 : Xiaokay_79
- Track 9 : Superphikiman_80
- Track 10 : MadKillah_103

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

The start number called the most often in the published annotations is 17, it was called in 2 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Chuni_55, DolOn_57, Gwilliam_54,

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

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

- Heathcliff_51, JigglyPuff_5, MadKillah_103, Marlia_52, Olivio_51, SlippinJimmy_53, StephanieG_6, Superphikiman_80, Target_68, Xiaokay_79,

Summary by start number:

Start 11:

- Found in 6 of 13 (46.2%) of genes in pham
- Manual Annotations of this start: 1 of 7
- Called 16.7% of time when present
- Phage (with cluster) where this start called: Superphikiman_80 (J),

Start 13:

- Found in 1 of 13 (7.7%) of genes in pham
- Manual Annotations of this start: 1 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: MadKillah_103 (O),

Start 14:

- Found in 2 of 13 (15.4%) of genes in pham
- Manual Annotations of this start: 1 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: JigglyPuff_5 (C1), StephanieG_6 (C1),

Start 15:

- Found in 2 of 13 (15.4%) of genes in pham
- No Manual Annotations of this start.
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Xiaokay_79 (J),

Start 17:

- Found in 3 of 13 (23.1%) of genes in pham
- Manual Annotations of this start: 2 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Chuni_55 (B1), DolOn_57 (B1), Gwilliam_54 (B1),

Start 20:

- Found in 13 of 13 (100.0%) of genes in pham
- Manual Annotations of this start: 2 of 7
- Called 38.5% of time when present
- Phage (with cluster) where this start called: Heathcliff_51 (B3), Marlia_52 (B3), Olivio_51 (B3), SlippinJimmy_53 (B3), Target_68 (A1),

Summary by clusters:

There are 6 clusters represented in this pham: J, O, A1, B1, B3, C1,

Info for manual annotations of cluster A1:

- Start number 20 was manually annotated 1 time for cluster A1.

Info for manual annotations of cluster B1:

- Start number 17 was manually annotated 2 times for cluster B1.

Info for manual annotations of cluster B3:

- Start number 20 was manually annotated 1 time for cluster B3.

Info for manual annotations of cluster C1:

- Start number 14 was manually annotated 1 time for cluster C1.

Info for manual annotations of cluster J:

- Start number 11 was manually annotated 1 time for cluster J.

Info for manual annotations of cluster O:

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

Gene Information:

Gene: Chuni_55 Start: 48106, Stop: 47915, Start Num: 17

Candidate Starts for Chuni_55:

(1, 48343), (2, 48286), (3, 48259), (4, 48238), (5, 48232), (6, 48184), (9, 48160), (16, 48112), (Start: 17 @48106 has 2 MA's), (Start: 20 @48082 has 2 MA's), (23, 47926),

Gene: DoIOn_57 Start: 48236, Stop: 48045, Start Num: 17

Candidate Starts for DoIOn_57:

(1, 48473), (2, 48416), (3, 48389), (4, 48368), (5, 48362), (6, 48314), (9, 48290), (16, 48242), (Start: 17 @48236 has 2 MA's), (Start: 20 @48212 has 2 MA's),

Gene: Gwilliam_54 Start: 47871, Stop: 47680, Start Num: 17

Candidate Starts for Gwilliam_54:

(1, 48108), (2, 48051), (3, 48024), (4, 48003), (5, 47997), (6, 47949), (9, 47925), (16, 47877), (Start: 17 @47871 has 2 MA's), (Start: 20 @47847 has 2 MA's),

Gene: Heathcliff_51 Start: 45274, Stop: 45107, Start Num: 20

Candidate Starts for Heathcliff_51:

(6, 45376), (Start: 11 @45322 has 1 MA's), (Start: 20 @45274 has 2 MA's),

Gene: JigglyPuff_5 Start: 1776, Stop: 1985, Start Num: 14

Candidate Starts for JigglyPuff_5:

(8, 1722), (10, 1731), (12, 1767), (Start: 14 @1776 has 1 MA's), (19, 1827), (Start: 20 @1830 has 2 MA's), (22, 1926),

Gene: MadKillah_103 Start: 62045, Stop: 61815, Start Num: 13

Candidate Starts for MadKillah_103:

(7, 62096), (Start: 13 @62045 has 1 MA's), (15, 62033), (19, 61985), (Start: 20 @61982 has 2 MA's),

Gene: Marlia_52 Start: 45756, Stop: 45589, Start Num: 20

Candidate Starts for Marlia_52:

(6, 45858), (Start: 11 @45804 has 1 MA's), (Start: 20 @45756 has 2 MA's), (23, 45600),

Gene: Olivio_51 Start: 45617, Stop: 45459, Start Num: 20

Candidate Starts for Olivio_51:

(6, 45719), (Start: 11 @45665 has 1 MA's), (Start: 20 @45617 has 2 MA's),

Gene: SlippinJimmy_53 Start: 46540, Stop: 46373, Start Num: 20

Candidate Starts for SlippinJimmy_53:

(6, 46642), (Start: 11 @46588 has 1 MA's), (Start: 20 @46540 has 2 MA's), (23, 46384),

Gene: StephanieG_6 Start: 1933, Stop: 2115, Start Num: 14

Candidate Starts for StephanieG_6:

(8, 1879), (10, 1888), (12, 1924), (Start: 14 @1933 has 1 MA's), (Start: 20 @1987 has 2 MA's), (21, 2026),

Gene: Superphikiman_80 Start: 49081, Stop: 48866, Start Num: 11

Candidate Starts for Superphikiman_80:

(6, 49135), (Start: 11 @49081 has 1 MA's), (Start: 20 @49033 has 2 MA's),

Gene: Target_68 Start: 42412, Stop: 42245, Start Num: 20

Candidate Starts for Target_68:

(6, 42514), (Start: 11 @42460 has 1 MA's), (Start: 20 @42412 has 2 MA's),

Gene: Xiaokay_79 Start: 52707, Stop: 52925, Start Num: 15

Candidate Starts for Xiaokay_79:

(6, 52629), (15, 52707), (18, 52734), (Start: 20 @52758 has 2 MA's),