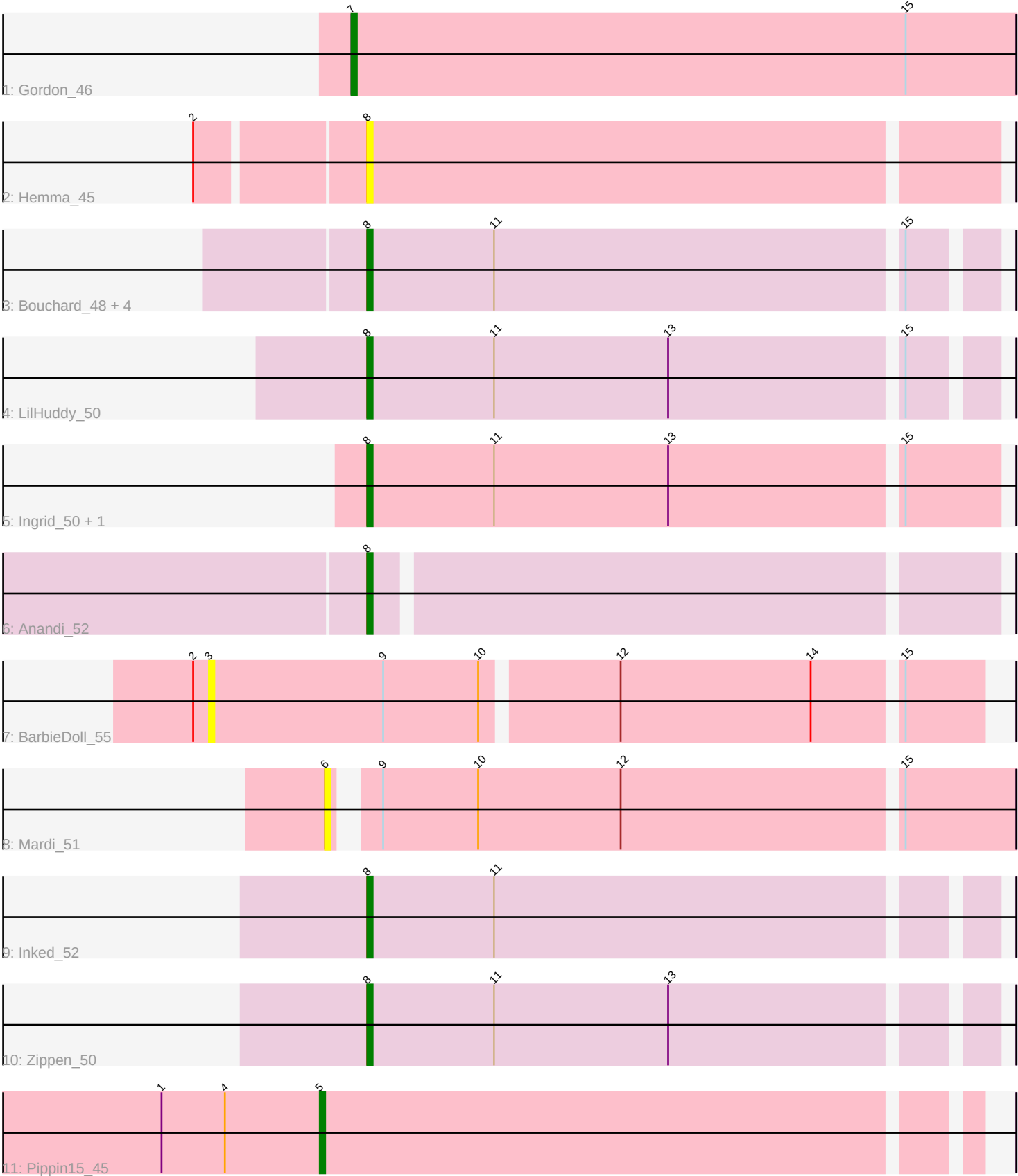


Pham 331340



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 331340 Report

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

Pham number 331340 has 16 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Gordon_46
- Track 2 : Hemma_45
- Track 3 : Bouchard_48, Chlochlo_49, Giantsbane_49, Shepard_51, Tipton_51
- Track 4 : LilHuddy_50
- Track 5 : Ingrid_50, Loretta_50
- Track 6 : Anandi_52
- Track 7 : BarbieDoll_55
- Track 8 : Mardi_51
- Track 9 : Inked_52
- Track 10 : Zippen_50
- Track 11 : Pippin15_45

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 11 of the 13 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Anandi_52, Bouchard_48, Chlochlo_49, Giantsbane_49, Hemma_45, Ingrid_50, Inked_52, LilHuddy_50, Loretta_50, Shepard_51, Tipton_51, Zippen_50,

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

-

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

- BarbieDoll_55, Gordon_46, Mardi_51, Pippin15_45,

Summary by start number:

Start 3:

- Found in 1 of 16 (6.2%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BarbieDoll_55 (AU6),

Start 5:

- Found in 1 of 16 (6.2%) of genes in pham
- Manual Annotations of this start: 1 of 13
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Pippin15_45 (JA),

Start 6:

- Found in 1 of 16 (6.2%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Mardi_51 (AU6),

Start 7:

- Found in 1 of 16 (6.2%) of genes in pham
- Manual Annotations of this start: 1 of 13
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Gordon_46 (AU1),

Start 8:

- Found in 12 of 16 (75.0%) of genes in pham
- Manual Annotations of this start: 11 of 13
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Anandi_52 (AU4), Bouchard_48 (AU2), Chlocho_49 (AU2), Giantsbane_49 (AU2), Hemma_45 (AU1), Ingrid_50 (AU3), Inked_52 (AU7), LilHuddy_50 (AU2), Loretta_50 (AU3), Shepard_51 (AU2), Tipton_51 (AU2), Zippen_50 (AU7),

Summary by clusters:

There are 7 clusters represented in this pham: AU1, AU3, AU2, AU4, AU7, AU6, JA,

Info for manual annotations of cluster AU1:

- Start number 7 was manually annotated 1 time for cluster AU1.

Info for manual annotations of cluster AU2:

- Start number 8 was manually annotated 6 times for cluster AU2.

Info for manual annotations of cluster AU3:

- Start number 8 was manually annotated 2 times for cluster AU3.

Info for manual annotations of cluster AU4:

- Start number 8 was manually annotated 1 time for cluster AU4.

Info for manual annotations of cluster AU7:

- Start number 8 was manually annotated 2 times for cluster AU7.

Info for manual annotations of cluster JA:

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

Gene Information:

Gene: Anandi_52 Start: 35089, Stop: 35202, Start Num: 8

Candidate Starts for Anandi_52:

(Start: 8 @35089 has 11 MA's),

Gene: BarbieDoll_55 Start: 34950, Stop: 35090, Start Num: 3

Candidate Starts for BarbieDoll_55:

(2, 34947), (3, 34950), (9, 34983), (10, 35001), (12, 35025), (14, 35061), (15, 35076),

Gene: Bouchard_48 Start: 34781, Stop: 34894, Start Num: 8

Candidate Starts for Bouchard_48:

(Start: 8 @34781 has 11 MA's), (11, 34805), (15, 34880),

Gene: Chlochlo_49 Start: 34525, Stop: 34638, Start Num: 8

Candidate Starts for Chlochlo_49:

(Start: 8 @34525 has 11 MA's), (11, 34549), (15, 34624),

Gene: Giantsbane_49 Start: 33708, Stop: 33821, Start Num: 8

Candidate Starts for Giantsbane_49:

(Start: 8 @33708 has 11 MA's), (11, 33732), (15, 33807),

Gene: Gordon_46 Start: 35478, Stop: 35603, Start Num: 7

Candidate Starts for Gordon_46:

(Start: 7 @35478 has 1 MA's), (15, 35583),

Gene: Hemma_45 Start: 31669, Stop: 31785, Start Num: 8

Candidate Starts for Hemma_45:

(2, 31639), (Start: 8 @31669 has 11 MA's),

Gene: Ingrid_50 Start: 34682, Stop: 34798, Start Num: 8

Candidate Starts for Ingrid_50:

(Start: 8 @34682 has 11 MA's), (11, 34706), (13, 34739), (15, 34781),

Gene: Inked_52 Start: 35810, Stop: 35923, Start Num: 8

Candidate Starts for Inked_52:

(Start: 8 @35810 has 11 MA's), (11, 35834),

Gene: LilHuddy_50 Start: 34898, Stop: 35011, Start Num: 8

Candidate Starts for LilHuddy_50:

(Start: 8 @34898 has 11 MA's), (11, 34922), (13, 34955), (15, 34997),

Gene: Loretta_50 Start: 34682, Stop: 34798, Start Num: 8

Candidate Starts for Loretta_50:

(Start: 8 @34682 has 11 MA's), (11, 34706), (13, 34739), (15, 34781),

Gene: Mardi_51 Start: 33756, Stop: 33878, Start Num: 6

Candidate Starts for Mardi_51:

(6, 33756), (9, 33762), (10, 33780), (12, 33807), (15, 33858),

Gene: Pippin15_45 Start: 31372, Stop: 31491, Start Num: 5

Candidate Starts for Pippin15_45:

(1, 31342), (4, 31354), (Start: 5 @31372 has 1 MA's),

Gene: Shepard_51 Start: 34739, Stop: 34852, Start Num: 8
Candidate Starts for Shepard_51:
(Start: 8 @34739 has 11 MA's), (11, 34763), (15, 34838),

Gene: Tipton_51 Start: 35184, Stop: 35297, Start Num: 8
Candidate Starts for Tipton_51:
(Start: 8 @35184 has 11 MA's), (11, 35208), (15, 35283),

Gene: Zippen_50 Start: 35509, Stop: 35622, Start Num: 8
Candidate Starts for Zippen_50:
(Start: 8 @35509 has 11 MA's), (11, 35533), (13, 35566),