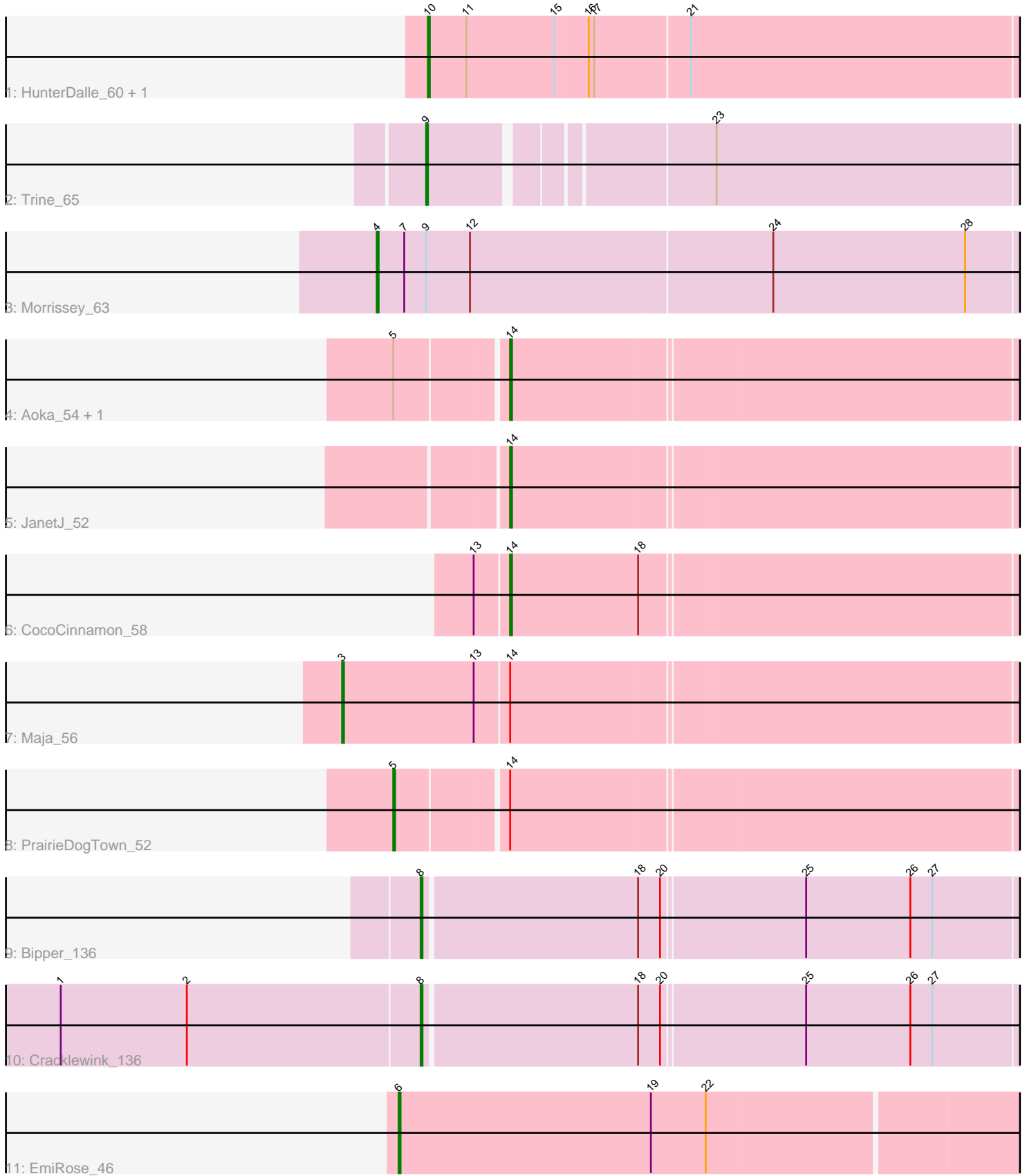


Pham 297109



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 297109 Report

This analysis was run 04/25/26 on database version 644.

Pham number 297109 has 13 members, 0 are drafts.

Phages represented in each track:

- Track 1 : HunterDalle_60, Vulture_60
- Track 2 : Trine_65
- Track 3 : Morrissey_63
- Track 4 : Aoka_54, EvenBluerMoon_51
- Track 5 : JanetJ_52
- Track 6 : CocoCinnamon_58
- Track 7 : Maja_56
- Track 8 : PrairieDogTown_52
- Track 9 : Bipper_136
- Track 10 : Cracklewink_136
- Track 11 : EmiRose_46

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

Genes that call this "Most Annotated" start:

- Aoka_54, CocoCinnamon_58, EvenBluerMoon_51, JanetJ_52,

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

- Maja_56, PrairieDogTown_52,

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

- Bipper_136, Cracklewink_136, EmiRose_46, HunterDalle_60, Morrissey_63, Trine_65, Vulture_60,

Summary by start number:

Start 3:

- Found in 1 of 13 (7.7%) 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: Maja_56 (FO),

Start 4:

- Found in 1 of 13 (7.7%) 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: Morrissey_63 (CD),

Start 5:

- Found in 3 of 13 (23.1%) of genes in pham
- Manual Annotations of this start: 1 of 13
- Called 33.3% of time when present
- Phage (with cluster) where this start called: PrairieDogTown_52 (FO),

Start 6:

- Found in 1 of 13 (7.7%) 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: EmiRose_46 (singleton),

Start 8:

- Found in 2 of 13 (15.4%) of genes in pham
- Manual Annotations of this start: 2 of 13
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Bipper_136 (Y), Cracklewink_136 (Y),

Start 9:

- Found in 2 of 13 (15.4%) of genes in pham
- Manual Annotations of this start: 1 of 13
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Trine_65 (CD),

Start 10:

- Found in 2 of 13 (15.4%) of genes in pham
- Manual Annotations of this start: 2 of 13
- Called 100.0% of time when present
- Phage (with cluster) where this start called: HunterDalle_60 (AK), Vulture_60 (AK),

Start 14:

- Found in 6 of 13 (46.2%) of genes in pham
- Manual Annotations of this start: 4 of 13
- Called 66.7% of time when present
- Phage (with cluster) where this start called: Aoka_54 (FO), CocoCinnamon_58 (FO), EvenBluerMoon_51 (FO), JanetJ_52 (FO),

Summary by clusters:

There are 5 clusters represented in this pham: Y, AK, CD, singleton, FO,

Info for manual annotations of cluster AK:

- Start number 10 was manually annotated 2 times for cluster AK.

Info for manual annotations of cluster CD:

- Start number 4 was manually annotated 1 time for cluster CD.

- Start number 9 was manually annotated 1 time for cluster CD.

Info for manual annotations of cluster FO:

- Start number 3 was manually annotated 1 time for cluster FO.
- Start number 5 was manually annotated 1 time for cluster FO.
- Start number 14 was manually annotated 4 times for cluster FO.

Info for manual annotations of cluster Y:

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

Gene Information:

Gene: Aoka_54 Start: 36392, Stop: 36673, Start Num: 14

Candidate Starts for Aoka_54:

(Start: 5 @36335 has 1 MA's), (Start: 14 @36392 has 4 MA's),

Gene: Bipper_136 Start: 77103, Stop: 77429, Start Num: 8

Candidate Starts for Bipper_136:

(Start: 8 @77103 has 2 MA's), (18, 77217), (20, 77229), (25, 77304), (26, 77361), (27, 77373),

Gene: CocoCinnamon_58 Start: 36037, Stop: 36318, Start Num: 14

Candidate Starts for CocoCinnamon_58:

(13, 36019), (Start: 14 @36037 has 4 MA's), (18, 36106),

Gene: Cracklewink_136 Start: 76262, Stop: 76588, Start Num: 8

Candidate Starts for Cracklewink_136:

(1, 76067), (2, 76136), (Start: 8 @76262 has 2 MA's), (18, 76376), (20, 76388), (25, 76463), (26, 76520), (27, 76532),

Gene: EmiRose_46 Start: 36892, Stop: 37236, Start Num: 6

Candidate Starts for EmiRose_46:

(Start: 6 @36892 has 1 MA's), (19, 37030), (22, 37060),

Gene: EvenBluerMoon_51 Start: 35879, Stop: 36160, Start Num: 14

Candidate Starts for EvenBluerMoon_51:

(Start: 5 @35822 has 1 MA's), (Start: 14 @35879 has 4 MA's),

Gene: HunterDalle_60 Start: 42928, Stop: 43257, Start Num: 10

Candidate Starts for HunterDalle_60:

(Start: 10 @42928 has 2 MA's), (11, 42949), (15, 42997), (16, 43015), (17, 43018), (21, 43069),

Gene: JanetJ_52 Start: 36634, Stop: 36915, Start Num: 14

Candidate Starts for JanetJ_52:

(Start: 14 @36634 has 4 MA's),

Gene: Maja_56 Start: 36343, Stop: 36714, Start Num: 3

Candidate Starts for Maja_56:

(Start: 3 @36343 has 1 MA's), (13, 36415), (Start: 14 @36433 has 4 MA's),

Gene: Morrissey_63 Start: 43651, Stop: 44007, Start Num: 4

Candidate Starts for Morrissey_63:

(Start: 4 @43651 has 1 MA's), (7, 43666), (Start: 9 @43678 has 1 MA's), (12, 43702), (24, 43864), (28, 43969),

Gene: PrairieDogTown_52 Start: 35824, Stop: 36162, Start Num: 5

Candidate Starts for PrairieDogTown_52:

(Start: 5 @35824 has 1 MA's), (Start: 14 @35881 has 4 MA's),

Gene: Trine_65 Start: 43058, Stop: 43372, Start Num: 9

Candidate Starts for Trine_65:

(Start: 9 @43058 has 1 MA's), (23, 43199),

Gene: Vulture_60 Start: 42928, Stop: 43257, Start Num: 10

Candidate Starts for Vulture_60:

(Start: 10 @42928 has 2 MA's), (11, 42949), (15, 42997), (16, 43015), (17, 43018), (21, 43069),