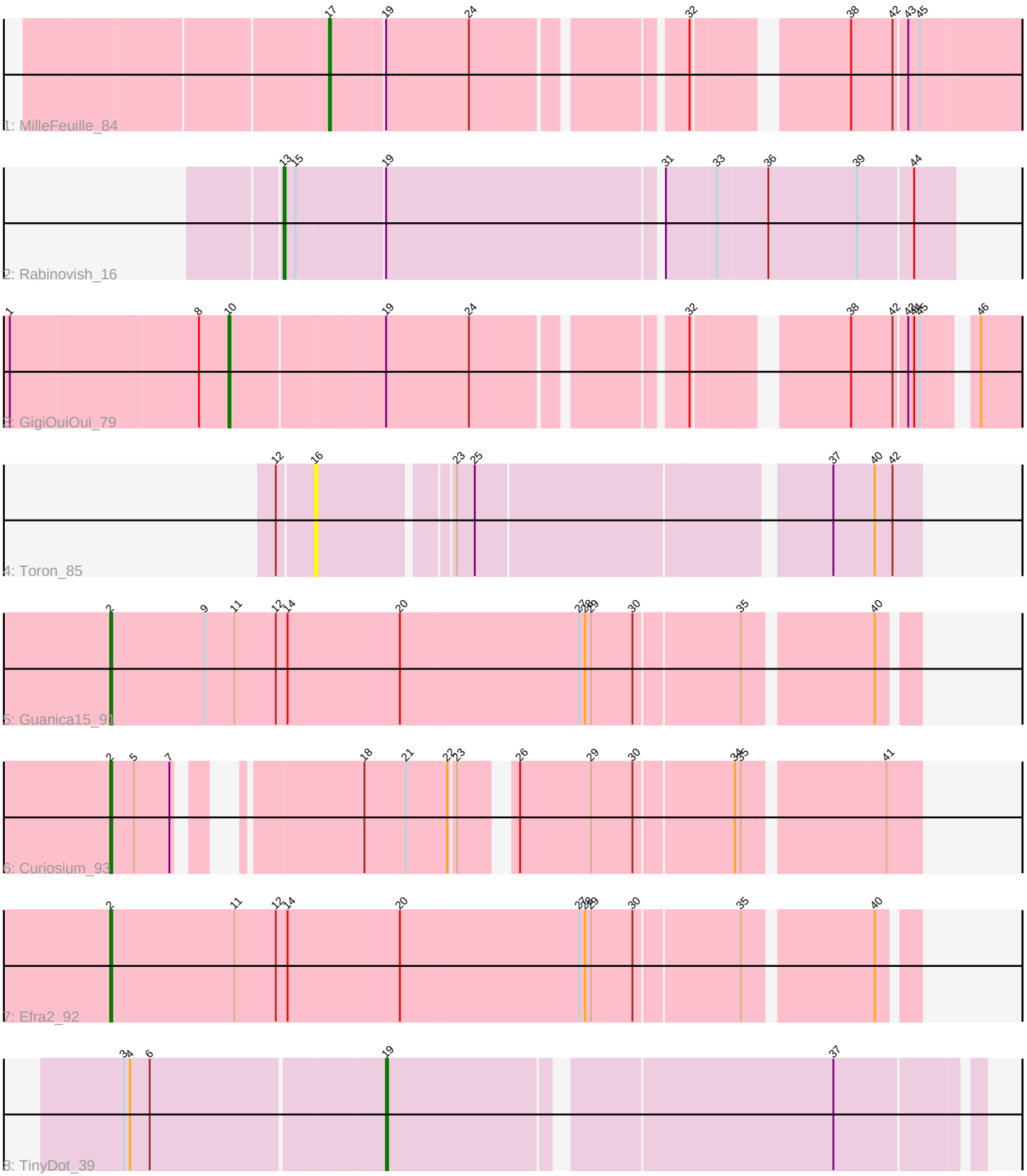
Pham 348331


1: MilleFeuille_84
2: Rabinovish_16
3: GigiOuiOui_79
4: Toron_85
5: Guanica15_91
6: Curiosium_93
7: Efra2_92
8: TinyDot_39

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 348331 Report

This analysis was run 11/14/26 on database version 672.

Pham number 348331 has 8 members, 1 are drafts.

Phages represented in each track:
• Track 1 : MilleFeuille_84
• Track 2 : Rabinovish_16
• Track 3 : GigiOuiOui_79
• Track 4 : Toron_85
• Track 5 : Guanica15_91
• Track 6 : Curiosium_93
• Track 7 : Efra2_92
• Track 8 : TinyDot_39

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

The start number called the most often in the published annotations is 2, it was called in 3 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Curiosium_93, Efra2_92, Guanica15_91,

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

Genes that do not have the "Most Annotated" start:
• GigiOuiOui_79, MilleFeuille_84, Rabinovish_16, TinyDot_39, Toron_85,

Summary by start number:

Start 2:
• Found in 3 of 8 (37.5%) of genes in pham
• Manual Annotations of this start: 3 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Curiosium_93 (K1), Efra2_92 (K1), Guanica15_91 (K1),

Start 10:
• Found in 1 of 8 (12.5%) 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: GigiOuiOui_79 (F1),

Start 13:
• Found in 1 of 8 (12.5%) 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: Rabinovish_16 (C1),

Start 16:
• Found in 1 of 8 (12.5%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Toron_85 (F6),

Start 17:
• Found in 1 of 8 (12.5%) 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: MilleFeuille_84 (A1),

Start 19:
• Found in 4 of 8 (50.0%) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 25.0% of time when present
• Phage (with cluster) where this start called: TinyDot_39 (singleton),

Summary by clusters:

There are 6 clusters represented in this pham: F1, singleton, F6, A1, K1, C1,

Info for manual annotations of cluster A1:
•Start number 17 was manually annotated 1 time for cluster A1.

Info for manual annotations of cluster C1:
•Start number 13 was manually annotated 1 time for cluster C1.

Info for manual annotations of cluster F1:
•Start number 10 was manually annotated 1 time for cluster F1.

Info for manual annotations of cluster K1:
•Start number 2 was manually annotated 3 times for cluster K1.

Gene Information:

Gene: Curiosium_93 Start: 56159, Stop: 56515, Start Num: 2
Candidate Starts for Curiosium_93:
(Start: 2 @56159 has 3 MA's), (5, 56171), (7, 56189), (18, 56258), (21, 56279), (22, 56300), (23, 56303), (26, 56324), (29, 56360), (30, 56381), (34, 56429), (35, 56432), (41, 56498),

Gene: Efra2_92 Start: 56100, Stop: 56492, Start Num: 2
Candidate Starts for Efra2_92:
(Start: 2 @56100 has 3 MA's), (11, 56163), (12, 56184), (14, 56190), (20, 56247), (27, 56337), (28, 56340), (29, 56343), (30, 56364), (35, 56415), (40, 56475),

Gene: GigiOuiOui_79 Start: 48947, Stop: 49300, Start Num: 10
Candidate Starts for GigiOuiOui_79:
(1, 48839), (8, 48932), (Start: 10 @48947 has 1 MA's), (Start: 19 @49022 has 1 MA's), (24, 49064), (32, 49160), (38, 49226), (42, 49247), (43, 49253), (44, 49256), (45, 49259), (46, 49280),

Gene: Guanica15_91 Start: 55792, Stop: 56184, Start Num: 2
Candidate Starts for Guanica15_91:
(Start: 2 @55792 has 3 MA's), (9, 55840), (11, 55855), (12, 55876), (14, 55882), (20, 55939), (27, 56029), (28, 56032), (29, 56035), (30, 56056), (35, 56107), (40, 56167),

Gene: MilleFeuille_84 Start: 47737, Stop: 47426, Start Num: 17
Candidate Starts for MilleFeuille_84:
(Start: 17 @47737 has 1 MA's), (Start: 19 @47713 has 1 MA's), (24, 47671), (32, 47575), (38, 47509), (42, 47488), (43, 47482), (45, 47476),

Gene: Rabinovish_16 Start: 6579, Stop: 6902, Start Num: 13
Candidate Starts for Rabinovish_16:
(Start: 13 @6579 has 1 MA's), (15, 6585), (Start: 19 @6627 has 1 MA's), (31, 6762), (33, 6786), (36, 6810), (39, 6855), (44, 6882),

Gene: TinyDot_39 Start: 28787, Stop: 29068, Start Num: 19
Candidate Starts for TinyDot_39:
(3, 28661), (4, 28664), (6, 28673), (Start: 19 @28787 has 1 MA's), (37, 29000),

Gene: Toron_85 Start: 51169, Stop: 51453, Start Num: 16
Candidate Starts for Toron_85:
(12, 51154), (16, 51169), (23, 51232), (25, 51241), (37, 51409), (40, 51430), (42, 51439),