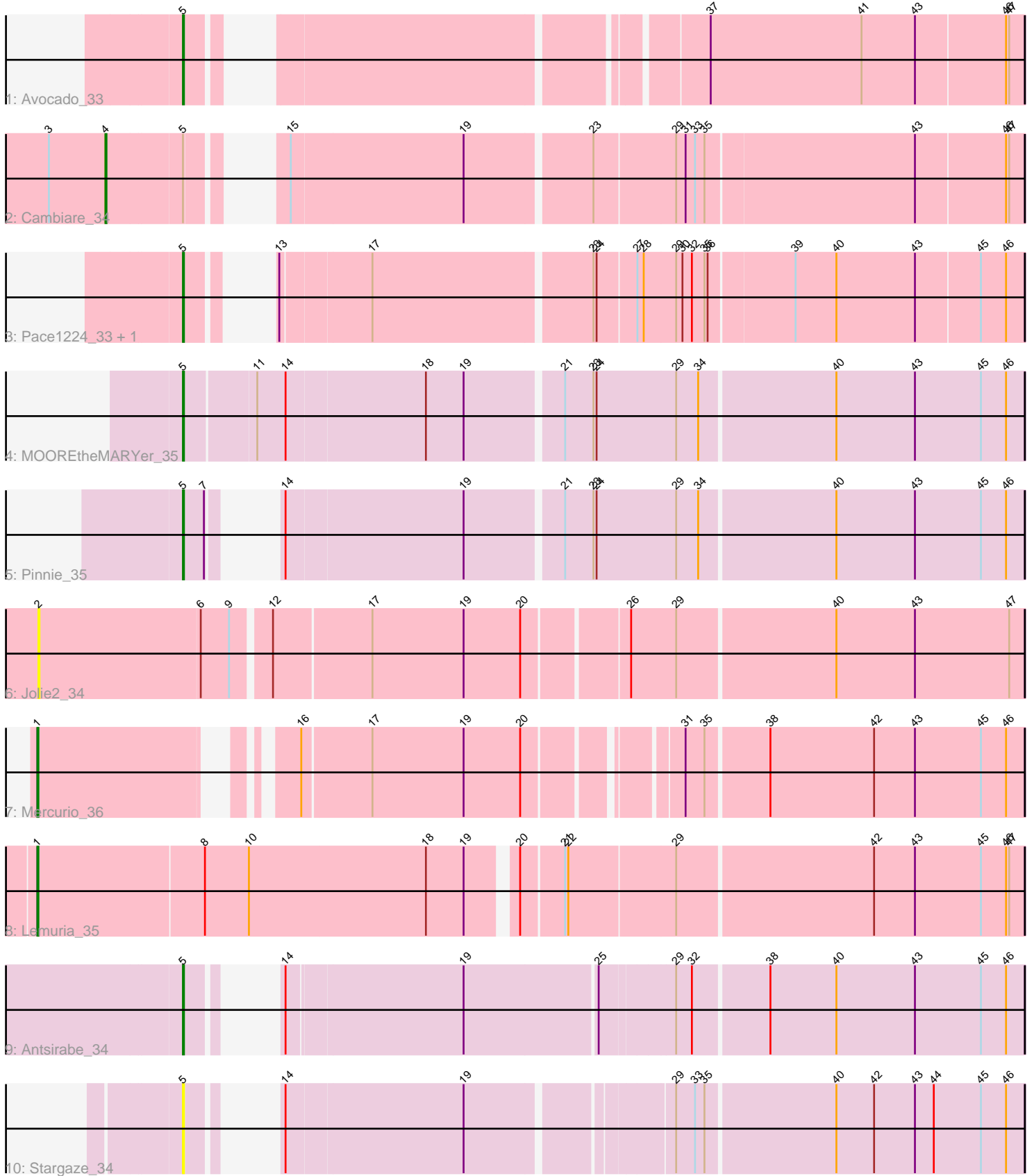


Pham 5797



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 5797 Report

This analysis was run 04/28/24 on database version 559.

Pham number 5797 has 11 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Avocado_33
- Track 2 : Cambiare_34
- Track 3 : Pace1224_33, FlagStaff_33
- Track 4 : MOOREtheMARYer_35
- Track 5 : Pinnie_35
- Track 6 : Jolie2_34
- Track 7 : Mercurio_36
- Track 8 : Lemuria_35
- Track 9 : Antsirabe_34
- Track 10 : Stargaze_34

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

The start number called the most often in the published annotations is 5, it was called in 5 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Antsirabe_34, Avocado_33, FlagStaff_33, MOOREtheMARYer_35, Pace1224_33, Pinnie_35, Stargaze_34,

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

- Cambiare_34,

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

- Jolie2_34, Lemuria_35, Mercurio_36,

Summary by start number:

Start 1:

- Found in 2 of 11 (18.2%) of genes in pham
- Manual Annotations of this start: 2 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Lemuria_35 (G4), Mercurio_36 (G4),

Start 2:

- Found in 1 of 11 (9.1%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Jolie2_34 (G4),

Start 4:

- Found in 1 of 11 (9.1%) of genes in pham
- Manual Annotations of this start: 1 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Cambiare_34 (G2),

Start 5:

- Found in 8 of 11 (72.7%) of genes in pham
- Manual Annotations of this start: 5 of 8
- Called 87.5% of time when present
- Phage (with cluster) where this start called: Antsirabe_34 (G5), Avocado_33 (G2), FlagStaff_33 (G2), MOOREtheMARYer_35 (G3), Pace1224_33 (G2), Pinnie_35 (G3), Stargaze_34 (G5),

Summary by clusters:

There are 4 clusters represented in this pham: G5, G4, G3, G2,

Info for manual annotations of cluster G2:

- Start number 4 was manually annotated 1 time for cluster G2.
- Start number 5 was manually annotated 2 times for cluster G2.

Info for manual annotations of cluster G3:

- Start number 5 was manually annotated 2 times for cluster G3.

Info for manual annotations of cluster G4:

- Start number 1 was manually annotated 2 times for cluster G4.

Info for manual annotations of cluster G5:

- Start number 5 was manually annotated 1 time for cluster G5.

Gene Information:

Gene: Antsirabe_34 Start: 30235, Stop: 30942, Start Num: 5

Candidate Starts for Antsirabe_34:

(Start: 5 @30235 has 5 MA's), (14, 30265), (19, 30427), (25, 30550), (29, 30616), (32, 30631), (38, 30700), (40, 30763), (43, 30838), (45, 30901), (46, 30925),

Gene: Avocado_33 Start: 30289, Stop: 30993, Start Num: 5

Candidate Starts for Avocado_33:

(Start: 5 @30289 has 5 MA's), (37, 30697), (41, 30841), (43, 30892), (46, 30976), (47, 30979),

Gene: Cambiare_34 Start: 30691, Stop: 31476, Start Num: 4

Candidate Starts for Cambiare_34:

(3, 30637), (Start: 4 @30691 has 1 MA's), (Start: 5 @30760 has 5 MA's), (15, 30802), (19, 30964), (23, 31078), (29, 31153), (31, 31162), (33, 31171), (35, 31180), (43, 31375), (46, 31459), (47, 31462),

Gene: FlagStaff_33 Start: 30079, Stop: 30789, Start Num: 5

Candidate Starts for FlagStaff_33:

(Start: 5 @30079 has 5 MA's), (13, 30109), (17, 30190), (23, 30391), (24, 30394), (27, 30430), (28, 30436), (29, 30466), (30, 30472), (32, 30481), (35, 30493), (36, 30496), (39, 30574), (40, 30613), (43, 30688), (45, 30748), (46, 30772),

Gene: Jolie2_34 Start: 29088, Stop: 29993, Start Num: 2

Candidate Starts for Jolie2_34:

(2, 29088), (6, 29241), (9, 29268), (12, 29301), (17, 29391), (19, 29478), (20, 29532), (26, 29625), (29, 29667), (40, 29814), (43, 29889), (47, 29979),

Gene: Lemuria_35 Start: 30287, Stop: 31195, Start Num: 1

Candidate Starts for Lemuria_35:

(Start: 1 @30287 has 2 MA's), (8, 30443), (10, 30485), (18, 30653), (19, 30689), (20, 30728), (21, 30767), (22, 30770), (29, 30869), (42, 31052), (43, 31091), (45, 31154), (46, 31178), (47, 31181),

Gene: MOOREtheMARYer_35 Start: 30579, Stop: 31352, Start Num: 5

Candidate Starts for MOOREtheMARYer_35:

(Start: 5 @30579 has 5 MA's), (11, 30642), (14, 30669), (18, 30798), (19, 30834), (21, 30921), (23, 30948), (24, 30951), (29, 31026), (34, 31047), (40, 31173), (43, 31248), (45, 31311), (46, 31335),

Gene: Mercurio_36 Start: 30751, Stop: 31593, Start Num: 1

Candidate Starts for Mercurio_36:

(Start: 1 @30751 has 2 MA's), (16, 30946), (17, 31009), (19, 31096), (20, 31150), (31, 31276), (35, 31294), (38, 31351), (42, 31450), (43, 31489), (45, 31552), (46, 31576),

Gene: Pace1224_33 Start: 30079, Stop: 30789, Start Num: 5

Candidate Starts for Pace1224_33:

(Start: 5 @30079 has 5 MA's), (13, 30109), (17, 30190), (23, 30391), (24, 30394), (27, 30430), (28, 30436), (29, 30466), (30, 30472), (32, 30481), (35, 30493), (36, 30496), (39, 30574), (40, 30613), (43, 30688), (45, 30748), (46, 30772),

Gene: Pinnie_35 Start: 30951, Stop: 31667, Start Num: 5

Candidate Starts for Pinnie_35:

(Start: 5 @30951 has 5 MA's), (7, 30969), (14, 30984), (19, 31149), (21, 31236), (23, 31263), (24, 31266), (29, 31341), (34, 31362), (40, 31488), (43, 31563), (45, 31626), (46, 31650),

Gene: Stargaze_34 Start: 30280, Stop: 30978, Start Num: 5

Candidate Starts for Stargaze_34:

(Start: 5 @30280 has 5 MA's), (14, 30310), (19, 30475), (29, 30652), (33, 30670), (35, 30679), (40, 30799), (42, 30835), (43, 30874), (44, 30892), (45, 30937), (46, 30961),