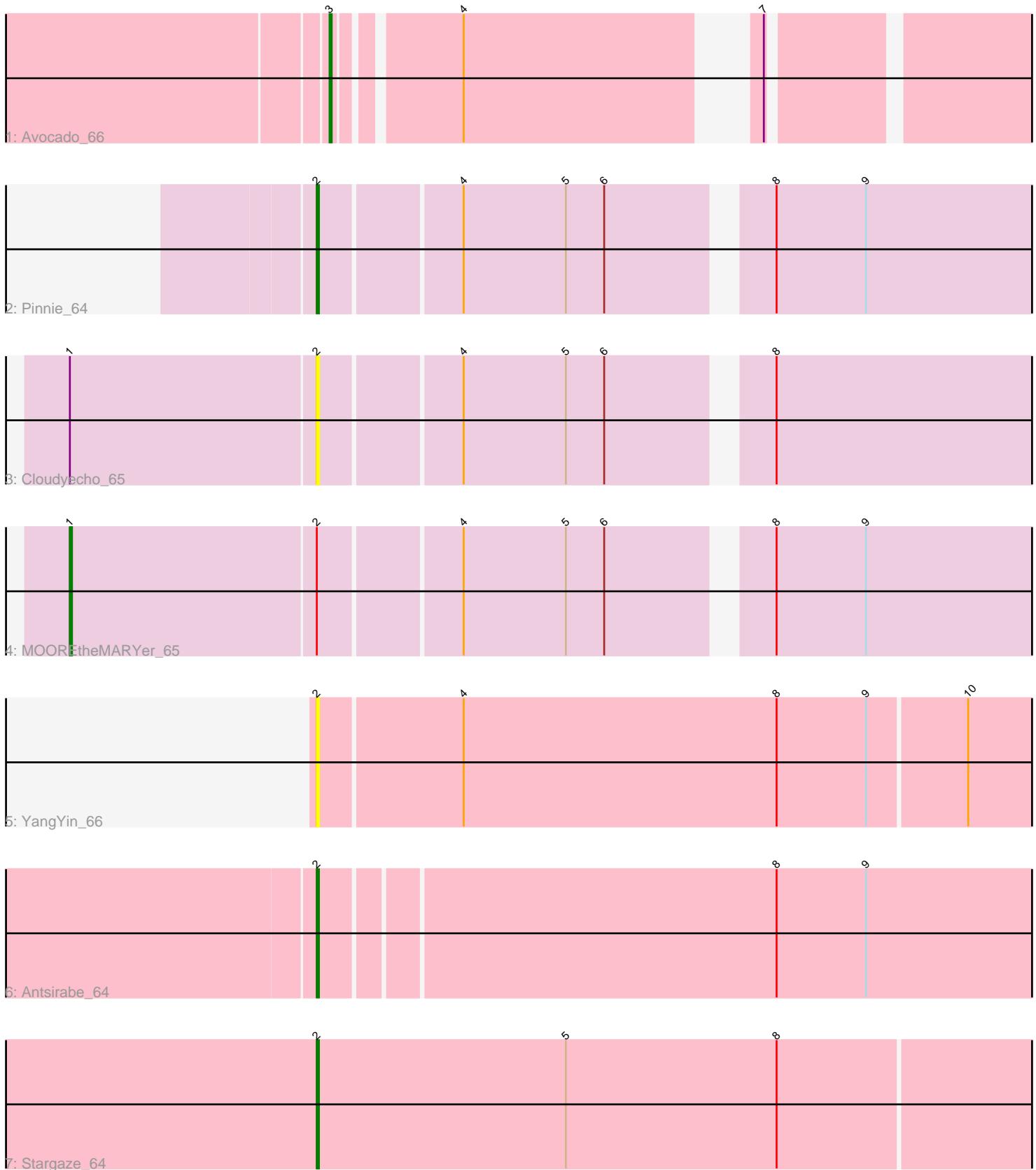


Pham 247754



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 247754 Report

This analysis was run 02/07/26 on database version 634.

Pham number 247754 has 7 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Avocado_66
- Track 2 : Pinnie_64
- Track 3 : Cloudyecho_65
- Track 4 : MOOREtheMARYer_65
- Track 5 : YangYin_66
- Track 6 : Antsirabe_64
- Track 7 : Stargaze_64

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 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Antsirabe_64, Cloudyecho_65, Pinnie_64, Stargaze_64, YangYin_66,

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

- MOOREtheMARYer_65,

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

- Avocado_66,

Summary by start number:

Start 1:

- Found in 2 of 7 (28.6%) of genes in pham
- Manual Annotations of this start: 1 of 5
- Called 50.0% of time when present
- Phage (with cluster) where this start called: MOOREtheMARYer_65 (G3),

Start 2:

- Found in 6 of 7 (85.7%) of genes in pham
- Manual Annotations of this start: 3 of 5
- Called 83.3% of time when present

- Phage (with cluster) where this start called: Antsirabe_64 (G5), Cloudyecho_65 (G3), Pinnie_64 (G3), Stargaze_64 (G5), YangYin_66 (G5),

Start 3:

- Found in 1 of 7 (14.3%) of genes in pham
- Manual Annotations of this start: 1 of 5
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Avocado_66 (G2),

Summary by clusters:

There are 3 clusters represented in this pham: G5, G3, G2,

Info for manual annotations of cluster G2:

- Start number 3 was manually annotated 1 time for cluster G2.

Info for manual annotations of cluster G3:

- Start number 1 was manually annotated 1 time for cluster G3.
- Start number 2 was manually annotated 1 time for cluster G3.

Info for manual annotations of cluster G5:

- Start number 2 was manually annotated 2 times for cluster G5.

Gene Information:

Gene: Antsirabe_64 Start: 43702, Stop: 44037, Start Num: 2

Candidate Starts for Antsirabe_64:

(Start: 2 @43702 has 3 MA's), (8, 43909), (9, 43951),

Gene: Avocado_66 Start: 44405, Stop: 44683, Start Num: 3

Candidate Starts for Avocado_66:

(Start: 3 @44405 has 1 MA's), (4, 44456), (7, 44570),

Gene: Cloudyecho_65 Start: 44003, Stop: 44326, Start Num: 2

Candidate Starts for Cloudyecho_65:

(Start: 1 @43889 has 1 MA's), (Start: 2 @44003 has 3 MA's), (4, 44066), (5, 44114), (6, 44132), (8, 44198),

Gene: MOOREtheMARYer_65 Start: 43205, Stop: 43636, Start Num: 1

Candidate Starts for MOOREtheMARYer_65:

(Start: 1 @43205 has 1 MA's), (Start: 2 @43319 has 3 MA's), (4, 43382), (5, 43430), (6, 43448), (8, 43514), (9, 43556),

Gene: Pinnie_64 Start: 43674, Stop: 43991, Start Num: 2

Candidate Starts for Pinnie_64:

(Start: 2 @43674 has 3 MA's), (4, 43737), (5, 43785), (6, 43803), (8, 43869), (9, 43911),

Gene: Stargaze_64 Start: 44138, Stop: 44479, Start Num: 2

Candidate Starts for Stargaze_64:

(Start: 2 @44138 has 3 MA's), (5, 44255), (8, 44354),

Gene: YangYin_66 Start: 43870, Stop: 44208, Start Num: 2

Candidate Starts for YangYin_66:

(Start: 2 @43870 has 3 MA's), (4, 43936), (8, 44083), (9, 44125), (10, 44170),