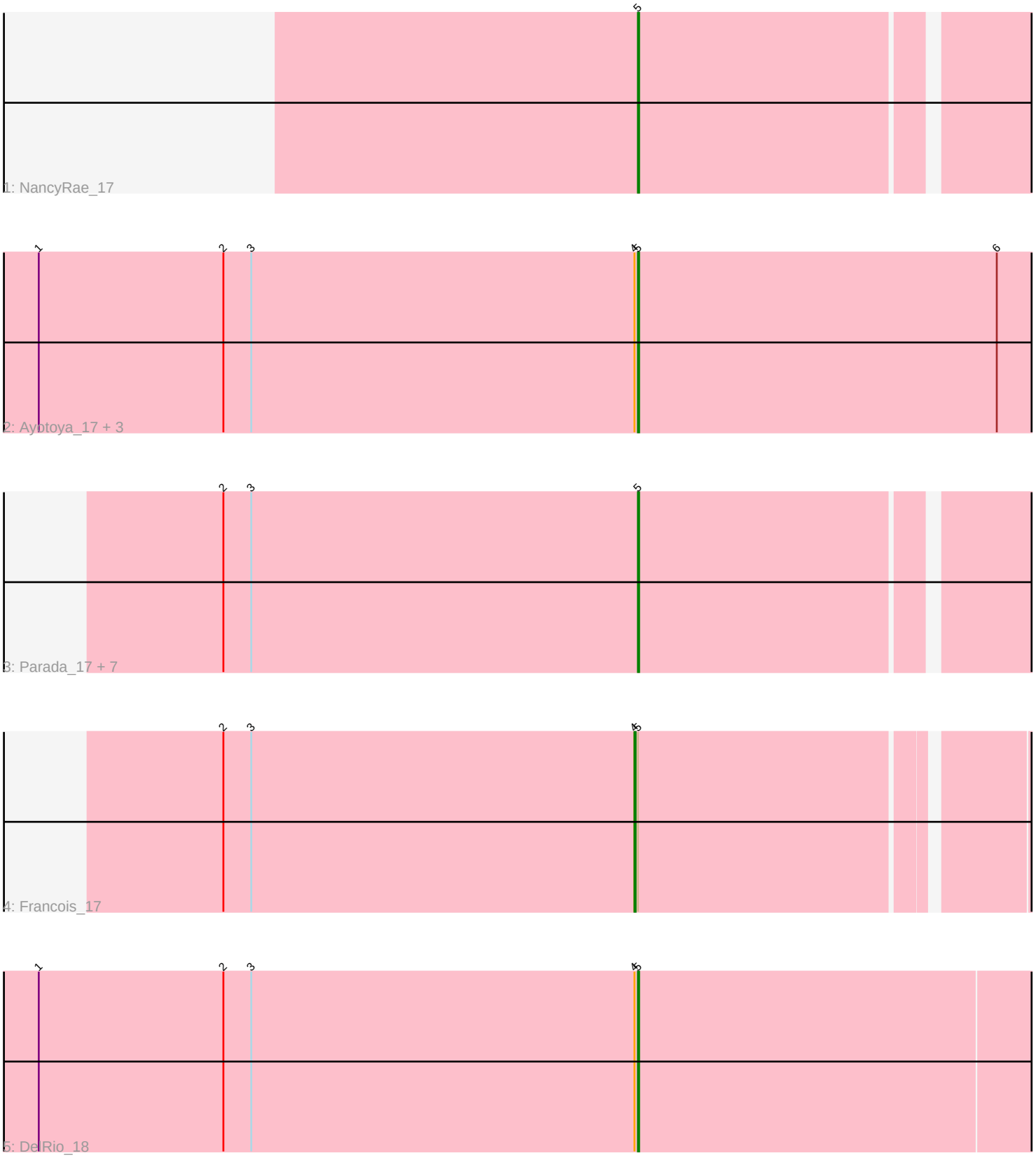
Pham 156754


5
1: NancyRae_17
1
2
3
5
6
2: Ayptoya_17 + 3
2
3
5
3: Parada_17 + 7
2
3
5
4: Francois_17
1
2
3
5
5: DelRio_18

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 156754 Report

This analysis was run 04/12/24 on database version 558.

Pham number 156754 has 15 members, 2 are drafts.

Phages represented in each track:
• Track 1 : NancyRae_17
• Track 2 : Ayotoya_17, Chop_17, Hamood_17, GrandSlam_17
• Track 3 : Parada_17, Nadeem_17, WheatThin_17, Brylie_17, Mulch_17, BetterKatz_17, Bock_17, Pimento_17
• Track 4 : Francois_17
• Track 5 : DelRio_18

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

Genes that call this "Most Annotated" start:
• Ayotoya_17, BetterKatz_17, Bock_17, Brylie_17, Chop_17, DelRio_18, GrandSlam_17, Hamood_17, Mulch_17, Nadeem_17, NancyRae_17, Parada_17, Pimento_17, WheatThin_17,

Genes that have the "Most Annotated" start but do not call it:
• Francois_17,

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

Summary by start number:

Start 4:
• Found in 6 of 15 (40.0%) of genes in pham
• Manual Annotations of this start: 1 of 13
• Called 16.7% of time when present
• Phage (with cluster) where this start called: Francois_17 (DI),

Start 5:
• Found in 15 of 15 (100.0%) of genes in pham
• Manual Annotations of this start: 12 of 13

• Called 93.3% of time when present
• Phage (with cluster) where this start called: Ayotoya_17 (DI), BetterKatz_17 (DI), Bock_17 (DI), Brylie_17 (DI), Chop_17 (DI), DelRio_18 (DI), GrandSlam_17 (DI), Hamood_17 (DI), Mulch_17 (DI), Nadeem_17 (DI), NancyRae_17 (DI), Parada_17 (DI), Pimento_17 (DI), WheatThin_17 (DI),

Summary by clusters:

There is one cluster represented in this pham: DI

Info for manual annotations of cluster DI:
•Start number 4 was manually annotated 1 time for cluster DI.
•Start number 5 was manually annotated 12 times for cluster DI.

Gene Information:

Gene: Ayotoya_17 Start: 10530, Stop: 10919, Start Num: 5
Candidate Starts for Ayotoya_17:
(1, 10014), (2, 10173), (3, 10197), (Start: 4 @10527 has 1 MA's), (Start: 5 @10530 has 12 MA's), (6, 10839),

Gene: BetterKatz_17 Start: 10498, Stop: 10860, Start Num: 5
Candidate Starts for BetterKatz_17:
(2, 10141), (3, 10165), (Start: 5 @10498 has 12 MA's),

Gene: Bock_17 Start: 10248, Stop: 10610, Start Num: 5
Candidate Starts for Bock_17:
(2, 9891), (3, 9915), (Start: 5 @10248 has 12 MA's),

Gene: Brylie_17 Start: 10245, Stop: 10607, Start Num: 5
Candidate Starts for Brylie_17:
(2, 9888), (3, 9912), (Start: 5 @10245 has 12 MA's),

Gene: Chop_17 Start: 10278, Stop: 10667, Start Num: 5
Candidate Starts for Chop_17:
(1, 9762), (2, 9921), (3, 9945), (Start: 4 @10275 has 1 MA's), (Start: 5 @10278 has 12 MA's), (6, 10587),

Gene: DelRio_18 Start: 10755, Stop: 11141, Start Num: 5
Candidate Starts for DelRio_18:
(1, 10239), (2, 10398), (3, 10422), (Start: 4 @10752 has 1 MA's), (Start: 5 @10755 has 12 MA's),

Gene: Francois_17 Start: 10256, Stop: 10624, Start Num: 4
Candidate Starts for Francois_17:
(2, 9902), (3, 9926), (Start: 4 @10256 has 1 MA's), (Start: 5 @10259 has 12 MA's),

Gene: GrandSlam_17 Start: 10278, Stop: 10667, Start Num: 5
Candidate Starts for GrandSlam_17:
(1, 9762), (2, 9921), (3, 9945), (Start: 4 @10275 has 1 MA's), (Start: 5 @10278 has 12 MA's), (6, 10587),

Gene: Hamood_17 Start: 10278, Stop: 10667, Start Num: 5
Candidate Starts for Hamood_17:
(1, 9762), (2, 9921), (3, 9945), (Start: 4 @10275 has 1 MA's), (Start: 5 @10278 has 12 MA's), (6, 10587),

Gene: Mulch_17 Start: 10245, Stop: 10607, Start Num: 5
Candidate Starts for Mulch_17:
(2, 9888), (3, 9912), (Start: 5 @10245 has 12 MA's),

Gene: Nadeem_17 Start: 10245, Stop: 10607, Start Num: 5
Candidate Starts for Nadeem_17:
(2, 9888), (3, 9912), (Start: 5 @10245 has 12 MA's),

Gene: NancyRae_17 Start: 10245, Stop: 10607, Start Num: 5
Candidate Starts for NancyRae_17:
(Start: 5 @10245 has 12 MA's),

Gene: Parada_17 Start: 10245, Stop: 10607, Start Num: 5
Candidate Starts for Parada_17:
(2, 9888), (3, 9912), (Start: 5 @10245 has 12 MA's),

Gene: Pimento_17 Start: 10449, Stop: 10811, Start Num: 5
Candidate Starts for Pimento_17:
(2, 10092), (3, 10116), (Start: 5 @10449 has 12 MA's),

Gene: WheatThin_17 Start: 10245, Stop: 10607, Start Num: 5
Candidate Starts for WheatThin_17:
(2, 9888), (3, 9912), (Start: 5 @10245 has 12 MA's),