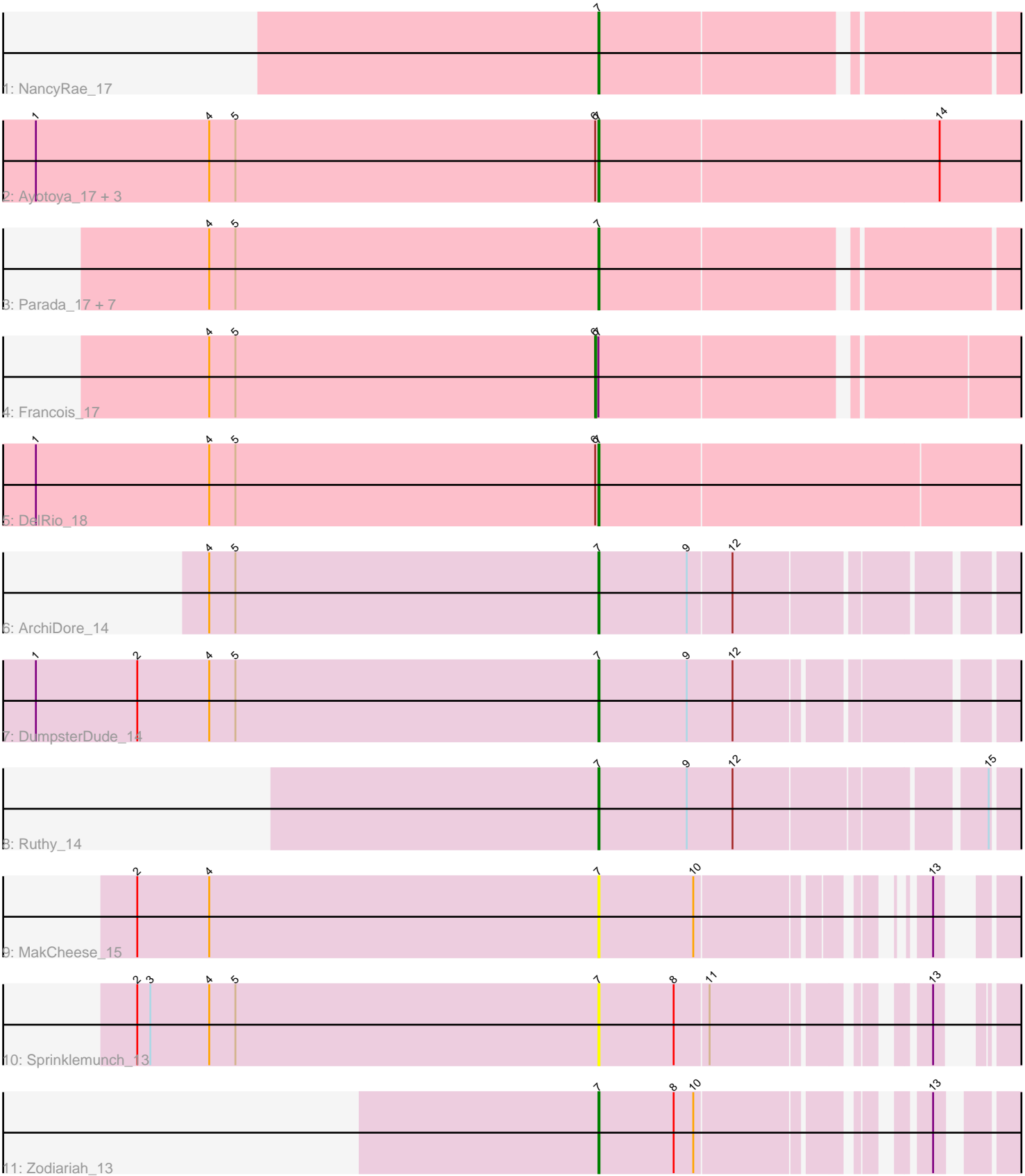# Pham 278601

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 278601 Report

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

Pham number 278601 has 21 members, 2 are drafts.

Phages represented in each track:
• Track 1 : NancyRae_17
• Track 2 : Ayotoya_17, Chop_17, GrandSlam_17, Hamood_17
• Track 3 : Parada_17, Nadeem_17, WheatThin_17, Brylie_17, Pimento_18, Mulch_17, BetterKatz_17, Bock_17
• Track 4 : Francois_17
• Track 5 : DelRio_18
• Track 6 : ArchiDore_14
• Track 7 : DumpsterDude_14
• Track 8 : Ruthy_14
• Track 9 : MakCheese_15
• Track 10 : Sprinklemunch_13
• Track 11 : Zodiariah_13

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

The start number called the most often in the published annotations is 7, it was called in 18 of the 19 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• ArchiDore_14, Ayotoya_17, BetterKatz_17, Bock_17, Brylie_17, Chop_17, DelRio_18, DumpsterDude_14, GrandSlam_17, Hamood_17, MakCheese_15, Mulch_17, Nadeem_17, NancyRae_17, Parada_17, Pimento_18, Ruthy_14, Sprinklemunch_13, WheatThin_17, Zodiariah_13,

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 6:
• Found in 6 of 21 (28.6%) of genes in pham

• Manual Annotations of this start: 1 of 19
• Called 16.7% of time when present
• Phage (with cluster) where this start called: Francois_17 (DI),

Start 7:
• Found in 21 of 21 (100.0%) of genes in pham
• Manual Annotations of this start: 18 of 19
• Called 95.2% of time when present
• Phage (with cluster) where this start called: ArchiDore_14 (DW), Ayotoya_17 (DI), BetterKatz_17 (DI), Bock_17 (DI), Brylie_17 (DI), Chop_17 (DI), DelRio_18 (DI), DumpsterDude_14 (DW), GrandSlam_17 (DI), Hamood_17 (DI), MakCheese_15 (DW), Mulch_17 (DI), Nadeem_17 (DI), NancyRae_17 (DI), Parada_17 (DI), Pimento_18 (DI), Ruthy_14 (DW), Sprinklemunch_13 (DW), WheatThin_17 (DI), Zodiariah_13 (DW),

Summary by clusters:

There are 2 clusters represented in this pham: DW, DI,

Info for manual annotations of cluster DI:
•Start number 6 was manually annotated 1 time for cluster DI.
•Start number 7 was manually annotated 14 times for cluster DI.

Info for manual annotations of cluster DW:
•Start number 7 was manually annotated 4 times for cluster DW.

Gene Information:
Gene: ArchiDore_14 Start: 8972, Stop: 9328, Start Num: 7
Candidate Starts for ArchiDore_14:
(4, 8615), (5, 8639), (Start: 7 @8972 has 18 MA's), (9, 9053), (12, 9092),

Gene: Ayotoya_17 Start: 10530, Stop: 10919, Start Num: 7
Candidate Starts for Ayotoya_17:
(1, 10014), (4, 10173), (5, 10197), (Start: 6 @10527 has 1 MA's), (Start: 7 @10530 has 18 MA's), (14, 10839),

Gene: BetterKatz_17 Start: 10498, Stop: 10860, Start Num: 7
Candidate Starts for BetterKatz_17:
(4, 10141), (5, 10165), (Start: 7 @10498 has 18 MA's),

Gene: Bock_17 Start: 10248, Stop: 10610, Start Num: 7
Candidate Starts for Bock_17:
(4, 9891), (5, 9915), (Start: 7 @10248 has 18 MA's),

Gene: Brylie_17 Start: 10245, Stop: 10607, Start Num: 7
Candidate Starts for Brylie_17:
(4, 9888), (5, 9912), (Start: 7 @10245 has 18 MA's),

Gene: Chop_17 Start: 10278, Stop: 10667, Start Num: 7
Candidate Starts for Chop_17:

(1, 9762), (4, 9921), (5, 9945), (Start: 6 @10275 has 1 MA's), (Start: 7 @10278 has 18 MA's), (14, 10587),

Gene: DelRio_18 Start: 10755, Stop: 11141, Start Num: 7
Candidate Starts for DelRio_18:
(1, 10239), (4, 10398), (5, 10422), (Start: 6 @10752 has 1 MA's), (Start: 7 @10755 has 18 MA's),

Gene: DumpsterDude_14 Start: 8985, Stop: 9344, Start Num: 7
Candidate Starts for DumpsterDude_14:
(1, 8469), (2, 8562), (4, 8628), (5, 8652), (Start: 7 @8985 has 18 MA's), (9, 9066), (12, 9108),

Gene: Francois_17 Start: 10256, Stop: 10624, Start Num: 6
Candidate Starts for Francois_17:
(4, 9902), (5, 9926), (Start: 6 @10256 has 1 MA's), (Start: 7 @10259 has 18 MA's),

Gene: GrandSlam_17 Start: 10278, Stop: 10667, Start Num: 7
Candidate Starts for GrandSlam_17:
(1, 9762), (4, 9921), (5, 9945), (Start: 6 @10275 has 1 MA's), (Start: 7 @10278 has 18 MA's), (14, 10587),

Gene: Hamood_17 Start: 10278, Stop: 10667, Start Num: 7
Candidate Starts for Hamood_17:
(1, 9762), (4, 9921), (5, 9945), (Start: 6 @10275 has 1 MA's), (Start: 7 @10278 has 18 MA's), (14, 10587),

Gene: MakCheese_15 Start: 8791, Stop: 9084, Start Num: 7
Candidate Starts for MakCheese_15:
(2, 8368), (4, 8434), (Start: 7 @8791 has 18 MA's), (10, 8878), (13, 9034),

Gene: Mulch_17 Start: 10245, Stop: 10607, Start Num: 7
Candidate Starts for Mulch_17:
(4, 9888), (5, 9912), (Start: 7 @10245 has 18 MA's),

Gene: Nadeem_17 Start: 10245, Stop: 10607, Start Num: 7
Candidate Starts for Nadeem_17:
(4, 9888), (5, 9912), (Start: 7 @10245 has 18 MA's),

Gene: NancyRae_17 Start: 10245, Stop: 10607, Start Num: 7
Candidate Starts for NancyRae_17:
(Start: 7 @10245 has 18 MA's),

Gene: Parada_17 Start: 10245, Stop: 10607, Start Num: 7
Candidate Starts for Parada_17:
(4, 9888), (5, 9912), (Start: 7 @10245 has 18 MA's),

Gene: Pimento_18 Start: 10449, Stop: 10811, Start Num: 7
Candidate Starts for Pimento_18:
(4, 10092), (5, 10116), (Start: 7 @10449 has 18 MA's),

Gene: Ruthy_14 Start: 9056, Stop: 9418, Start Num: 7
Candidate Starts for Ruthy_14:
(Start: 7 @9056 has 18 MA's), (9, 9137), (12, 9179), (15, 9389),

Gene: Sprinklemunch_13 Start: 8831, Stop: 9133, Start Num: 7
Candidate Starts for Sprinklemunch_13:
(2, 8408), (3, 8420), (4, 8474), (5, 8498), (Start: 7 @8831 has 18 MA's), (8, 8900), (11, 8930), (13, 9086),

Gene: WheatThin_17 Start: 10245, Stop: 10607, Start Num: 7
Candidate Starts for WheatThin_17:
(4, 9888), (5, 9912), (Start: 7 @10245 has 18 MA's),

Gene: Zodiariah_13 Start: 8780, Stop: 9097, Start Num: 7
Candidate Starts for Zodiariah_13:
(Start: 7 @8780 has 18 MA's), (8, 8849), (10, 8867), (13, 9035),