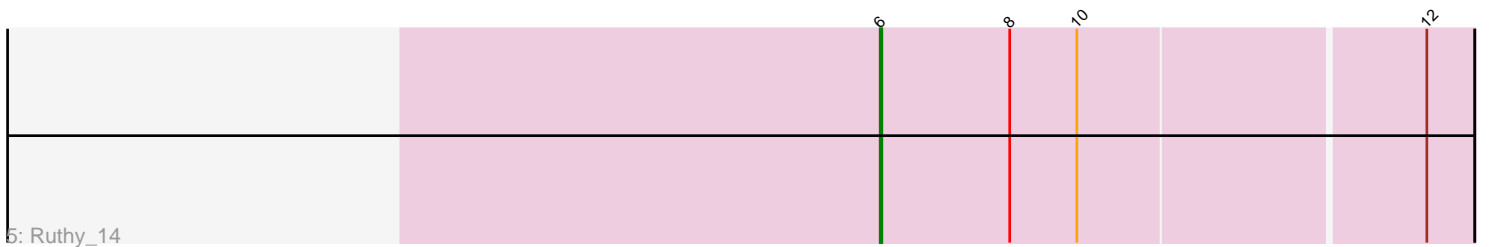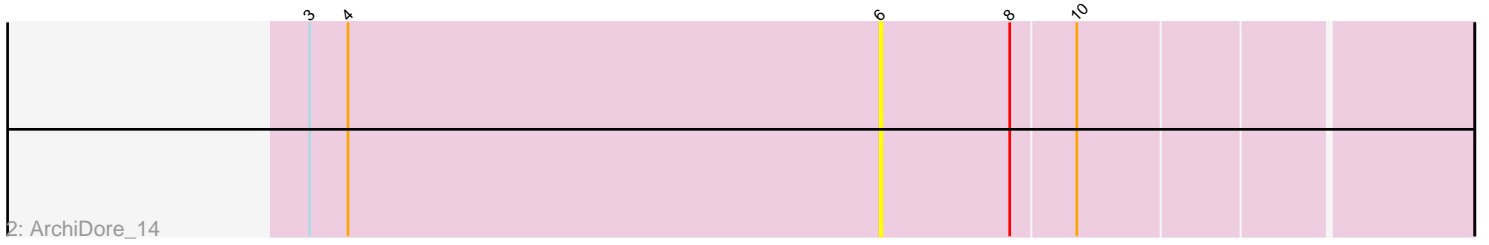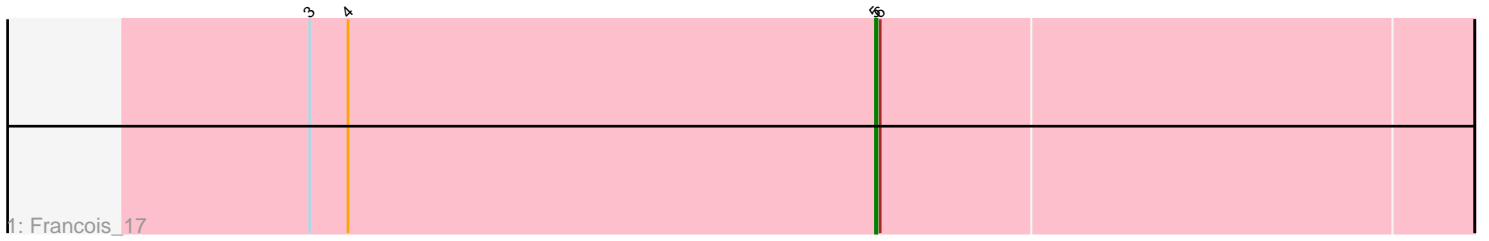# Pham 203712

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 203712 Report

This analysis was run 01/18/25 on database version 583.

Pham number 203712 has 6 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Francois_17
• Track 2 : ArchiDore_14
• Track 3 : DumpsterDude_14
• Track 4 : Zodiariah_13
• Track 5 : Ruthy_14
• Track 6 : MakCheese_15

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

The start number called the most often in the published annotations is 6, it was called in 2 of the 3 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• ArchiDore_14, DumpsterDude_14, MakCheese_15, Ruthy_14, 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 5:
• Found in 1 of 6 (16.7%) of genes in pham
• Manual Annotations of this start: 1 of 3
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Francois_17 (DI),

Start 6:
• Found in 6 of 6 (100.0%) of genes in pham
• Manual Annotations of this start: 2 of 3
• Called 83.3% of time when present

• Phage (with cluster) where this start called: ArchiDore_14 (DW), DumpsterDude_14 (DW), MakCheese_15 (DW), Ruthy_14 (DW), 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 5 was manually annotated 1 time for cluster DI.

Info for manual annotations of cluster DW:
•Start number 6 was manually annotated 2 times for cluster DW.

Gene Information:
Gene: ArchiDore_14 Start: 8972, Stop: 9328, Start Num: 6
Candidate Starts for ArchiDore_14:
(3, 8615), (4, 8639), (Start: 6 @8972 has 2 MA's), (8, 9053), (10, 9092),

Gene: DumpsterDude_14 Start: 8985, Stop: 9344, Start Num: 6
Candidate Starts for DumpsterDude_14:
(1, 8469), (2, 8562), (3, 8628), (4, 8652), (Start: 6 @8985 has 2 MA's), (8, 9066), (10, 9108),

Gene: Francois_17 Start: 10256, Stop: 10624, Start Num: 5
Candidate Starts for Francois_17:
(3, 9902), (4, 9926), (Start: 5 @10256 has 1 MA's), (Start: 6 @10259 has 2 MA's),

Gene: MakCheese_15 Start: 8791, Stop: 9084, Start Num: 6
Candidate Starts for MakCheese_15:
(2, 8368), (3, 8434), (Start: 6 @8791 has 2 MA's), (9, 8878), (11, 9034),

Gene: Ruthy_14 Start: 9056, Stop: 9418, Start Num: 6
Candidate Starts for Ruthy_14:
(Start: 6 @9056 has 2 MA's), (8, 9137), (10, 9179), (12, 9389),

Gene: Zodiariah_13 Start: 8780, Stop: 9097, Start Num: 6
Candidate Starts for Zodiariah_13:
(Start: 6 @8780 has 2 MA's), (7, 8849), (9, 8867), (11, 9035),