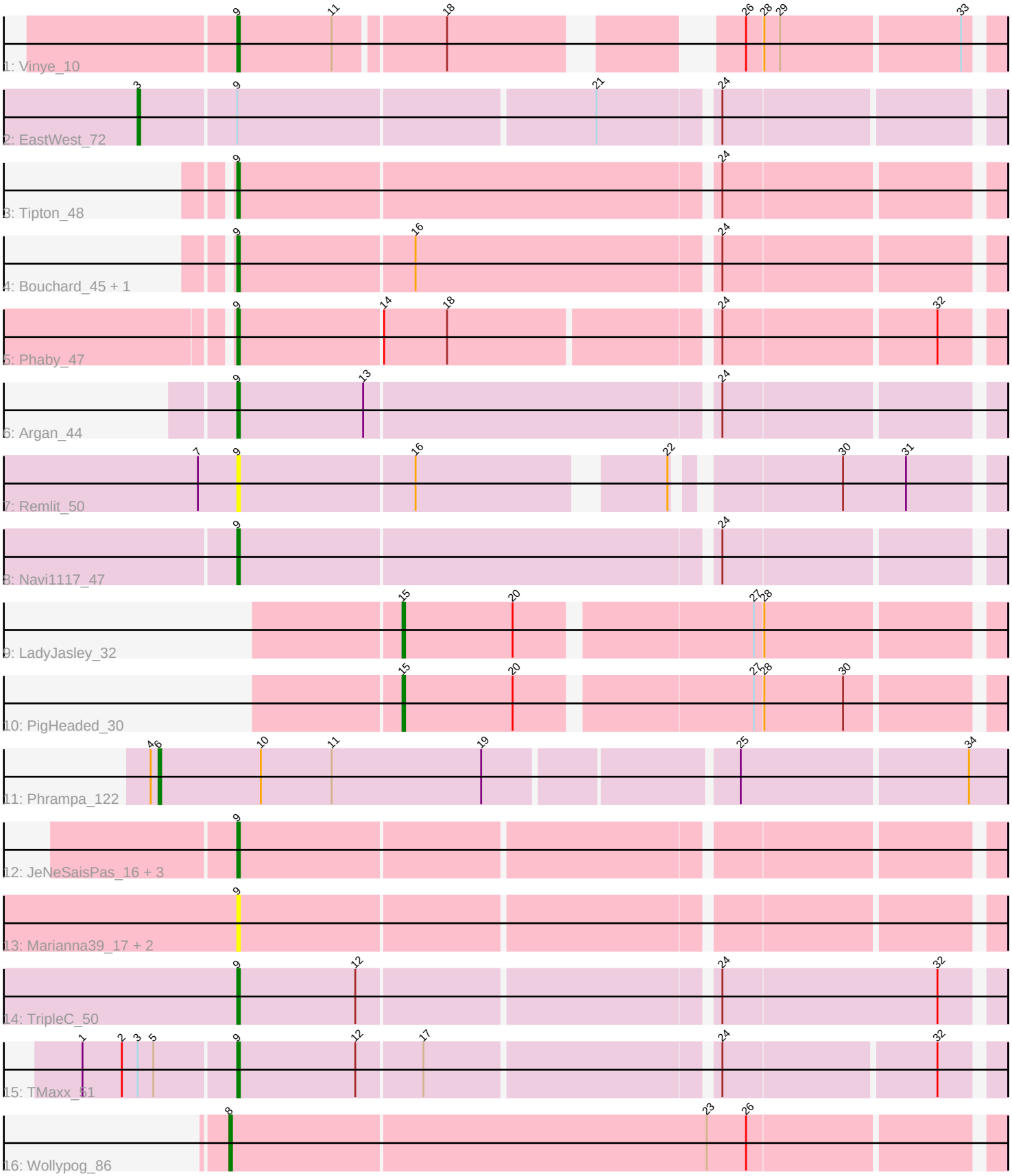
Pham 348020


1: Vinye_10
2: EastWest_72
3: Tipton_48
4: Bouchard_45 + 1
5: Phaby_47
6: Argan_44
7: Remlit_50
8: Navi1117_47
9: LadyJasley_32
10: PigHeaded_30
11: Phrampa_122
12: JeNeSaisPas_16 + 3
13: Marianna39_17 + 2
14: TripleC_50
15: TMaxx_51
16: Wollypog_86

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 348020 Report

This analysis was run 11/14/26 on database version 672.

Pham number 348020 has 22 members, 4 are drafts.

Phages represented in each track:
- Track 1 : Vinye_10
- Track 2 : EastWest_72
- Track 3 : Tipton_48
- Track 4 : Bouchard_45, Tokki_49
- Track 5 : Phaby_47
- Track 6 : Argan_44
- Track 7 : Remlit_50
- Track 8 : Navi1117_47
- Track 9 : LadyJasley_32
- Track 10 : PigHeaded_30
- Track 11 : Phrampa_122
- Track 12 : JeNeSaisPas_16, Qui_17, Paella_17, Elver_17
- Track 13 : Marianna39_17, Gandionco_16, Kureo_18
- Track 14 : TripleC_50
- Track 15 : TMaxx_51
- Track 16 : Wollypog_86

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

The start number called the most often in the published annotations is 9, it was called in 13 of the 18 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
- Argan_44, Bouchard_45, Elver_17, Gandionco_16, JeNeSaisPas_16, Kureo_18, Marianna39_17, Navi1117_47, Paella_17, Phaby_47, Qui_17, Remlit_50, TMaxx_51, Tipton_48, Tokki_49, TripleC_50, Vinye_10,

Genes that have the "Most Annotated" start but do not call it:
- EastWest_72,

Genes that do not have the "Most Annotated" start:
- LadyJasley_32, Phrampa_122, PigHeaded_30, Wollypog_86,

Summary by start number:

Start 3:
• Found in 2 of 22 (9.1%) of genes in pham
• Manual Annotations of this start: 1 of 18
• Called 50.0% of time when present
• Phage (with cluster) where this start called: EastWest_72 (AO),

Start 6:
• Found in 1 of 22 (4.5%) of genes in pham
• Manual Annotations of this start: 1 of 18
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Phrampa_122 (FC),

Start 8:
• Found in 1 of 22 (4.5%) of genes in pham
• Manual Annotations of this start: 1 of 18
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Wollypog_86 (singleton),

Start 9:
• Found in 18 of 22 (81.8%) of genes in pham
• Manual Annotations of this start: 13 of 18
• Called 94.4% of time when present
• Phage (with cluster) where this start called: Argan_44 (AU6), Bouchard_45 (AU2), Elver_17 (FK), Gandionco_16 (FK), JeNeSaisPas_16 (FK), Kureo_18 (FK), Marianna39_17 (FK), Navi1117_47 (AU6), Paella_17 (FK), Phaby_47 (AU2), Qui_17 (FK), Remlit_50 (AU6), TMaxx_51 (FR), Tipton_48 (AU2), Tokki_49 (AU2), TripleC_50 (FR), Vinye_10 (AN),

Start 15:
• Found in 2 of 22 (9.1%) of genes in pham
• Manual Annotations of this start: 2 of 18
• Called 100.0% of time when present
• Phage (with cluster) where this start called: LadyJasley_32 (AV), PigHeaded_30 (AV),

Summary by clusters:

There are 9 clusters represented in this pham: FR, FC, AV, singleton, AO, AN, AU2, AU6, FK,

Info for manual annotations of cluster AN:
•Start number 9 was manually annotated 1 time for cluster AN.

Info for manual annotations of cluster AO:
•Start number 3 was manually annotated 1 time for cluster AO.

Info for manual annotations of cluster AU2:
•Start number 9 was manually annotated 4 times for cluster AU2.

Info for manual annotations of cluster AU6:
•Start number 9 was manually annotated 2 times for cluster AU6.

Info for manual annotations of cluster AV:
•Start number 15 was manually annotated 2 times for cluster AV.

Info for manual annotations of cluster FC:
•Start number 6 was manually annotated 1 time for cluster FC.

Info for manual annotations of cluster FK:
•Start number 9 was manually annotated 4 times for cluster FK.

Info for manual annotations of cluster FR:
•Start number 9 was manually annotated 2 times for cluster FR.

Gene Information:

Gene: Argan_44 Start: 31581, Stop: 31856, Start Num: 9
Candidate Starts for Argan_44:
(Start: 9 @31581 has 13 MA's), (13, 31629), (24, 31758),

Gene: Bouchard_45 Start: 33902, Stop: 34177, Start Num: 9
Candidate Starts for Bouchard_45:
(Start: 9 @33902 has 13 MA's), (16, 33968), (24, 34079),

Gene: EastWest_72 Start: 42681, Stop: 42989, Start Num: 3
Candidate Starts for EastWest_72:
(Start: 3 @42681 has 1 MA's), (Start: 9 @42717 has 13 MA's), (21, 42849), (24, 42891),

Gene: Elver_17 Start: 9391, Stop: 9663, Start Num: 9
Candidate Starts for Elver_17:
(Start: 9 @9391 has 13 MA's),

Gene: Gandionco_16 Start: 9351, Stop: 9623, Start Num: 9
Candidate Starts for Gandionco_16:
(Start: 9 @9351 has 13 MA's),

Gene: JeNeSaisPas_16 Start: 9923, Stop: 10195, Start Num: 9
Candidate Starts for JeNeSaisPas_16:
(Start: 9 @9923 has 13 MA's),

Gene: Kureo_18 Start: 9755, Stop: 10027, Start Num: 9
Candidate Starts for Kureo_18:
(Start: 9 @9755 has 13 MA's),

Gene: LadyJasley_32 Start: 28063, Stop: 28275, Start Num: 15
Candidate Starts for LadyJasley_32:
(Start: 15 @28063 has 2 MA's), (20, 28105), (27, 28189), (28, 28192),

Gene: Marianna39_17 Start: 9351, Stop: 9623, Start Num: 9
Candidate Starts for Marianna39_17:
(Start: 9 @9351 has 13 MA's),

Gene: Navi1117_47 Start: 32483, Stop: 32758, Start Num: 9

Candidate Starts for Navi1117_47:
(Start: 9 @32483 has 13 MA's), (24, 32660),

Gene: Paella_17 Start: 9390, Stop: 9662, Start Num: 9
Candidate Starts for Paella_17:
(Start: 9 @9390 has 13 MA's),

Gene: Phaby_47 Start: 34334, Stop: 34606, Start Num: 9
Candidate Starts for Phaby_47:
(Start: 9 @34334 has 13 MA's), (14, 34388), (18, 34412), (24, 34508), (32, 34586),

Gene: Phrampa_122 Start: 95652, Stop: 95963, Start Num: 6
Candidate Starts for Phrampa_122:
(4, 95649), (Start: 6 @95652 has 1 MA's), (10, 95691), (11, 95718), (19, 95775), (25, 95865), (34, 95949),

Gene: PigHeaded_30 Start: 27190, Stop: 27402, Start Num: 15
Candidate Starts for PigHeaded_30:
(Start: 15 @27190 has 2 MA's), (20, 27232), (27, 27316), (28, 27319), (30, 27349),

Gene: Qui_17 Start: 9390, Stop: 9662, Start Num: 9
Candidate Starts for Qui_17:
(Start: 9 @9390 has 13 MA's),

Gene: Remlit_50 Start: 32102, Stop: 32362, Start Num: 9
Candidate Starts for Remlit_50:
(7, 32087), (Start: 9 @32102 has 13 MA's), (16, 32168), (22, 32252), (30, 32306), (31, 32330),

Gene: TMaxx_51 Start: 32775, Stop: 32503, Start Num: 9
Candidate Starts for TMaxx_51:
(1, 32832), (2, 32817), (Start: 3 @32811 has 1 MA's), (5, 32805), (Start: 9 @32775 has 13 MA's), (12, 32730), (17, 32706), (24, 32601), (32, 32523),

Gene: Tipton_48 Start: 34305, Stop: 34580, Start Num: 9
Candidate Starts for Tipton_48:
(Start: 9 @34305 has 13 MA's), (24, 34482),

Gene: Tokki_49 Start: 33957, Stop: 34232, Start Num: 9
Candidate Starts for Tokki_49:
(Start: 9 @33957 has 13 MA's), (16, 34023), (24, 34134),

Gene: TripleC_50 Start: 34841, Stop: 34566, Start Num: 9
Candidate Starts for TripleC_50:
(Start: 9 @34841 has 13 MA's), (12, 34796), (24, 34667), (32, 34586),

Gene: Vinye_10 Start: 5706, Stop: 5957, Start Num: 9
Candidate Starts for Vinye_10:
(Start: 9 @5706 has 13 MA's), (11, 5742), (18, 5781), (26, 5868), (28, 5874), (29, 5880), (33, 5946),

Gene: Wollypog_86 Start: 57877, Stop: 58161, Start Num: 8
Candidate Starts for Wollypog_86:
(Start: 8 @57877 has 1 MA's), (23, 58057), (26, 58072),