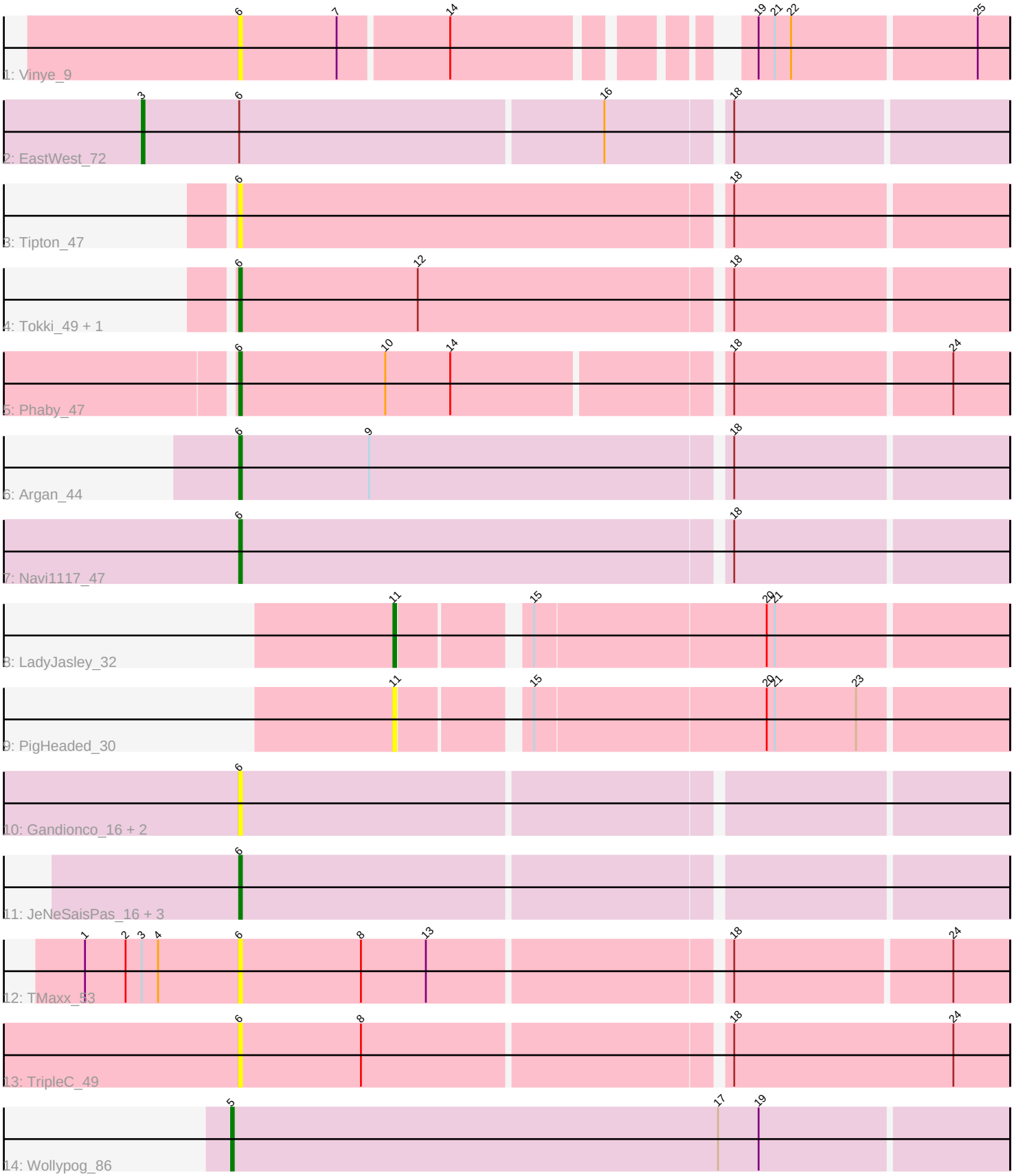
Pham 291550


1: Vinye_9
2: EastWest_72
3: Tipton_47
4: Tokki_49 + 1
5: Phaby_47
6: Argan_44
7: Navi1117_47
8: LadyJasley_32
9: PigHeaded_30
10: Gandionco_16 + 2
11: JeNeSaisPas_16 + 3
12: TMaxx_53
13: TripleC_49
14: 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 291550 Report

This analysis was run 03/28/26 on database version 641.

Pham number 291550 has 20 members, 9 are drafts.

Phages represented in each track:
• Track 1 : Vinye_9
• Track 2 : EastWest_72
• Track 3 : Tipton_47
• Track 4 : Tokki_49, Bouchard_45
• Track 5 : Phaby_47
• Track 6 : Argan_44
• Track 7 : Navi1117_47
• Track 8 : LadyJasley_32
• Track 9 : PigHeaded_30
• Track 10 : Gandionco_16, Marianna39_17, Kureo_18
• Track 11 : JeNeSaisPas_16, Elver_17, Paella_17, Qui_17
• Track 12 : TMaxx_53
• Track 13 : TripleC_49
• Track 14 : 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 6, it was called in 8 of the 11 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, TMaxx_53, Tipton_47, Tokki_49, TripleC_49, Vinye_9,

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, PigHeaded_30, Wollypog_86,

Summary by start number:

Start 3:

• Found in 2 of 20 (10.0%) of genes in pham
• Manual Annotations of this start: 1 of 11
• Called 50.0% of time when present
• Phage (with cluster) where this start called: EastWest_72 (AO),

Start 5:
• Found in 1 of 20 (5.0%) of genes in pham
• Manual Annotations of this start: 1 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Wollypog_86 (singleton),

Start 6:
• Found in 17 of 20 (85.0%) of genes in pham
• Manual Annotations of this start: 8 of 11
• Called 94.1% 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), TMaxx_53 (FR), Tipton_47 (AU2), Tokki_49 (AU2), TripleC_49 (FR), Vinye_9 (AN),

Start 11:
• Found in 2 of 20 (10.0%) of genes in pham
• Manual Annotations of this start: 1 of 11
• 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 8 clusters represented in this pham: FR, AU6, singleton, AO, AN, AU2, AV, FK,

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 6 was manually annotated 3 times for cluster AU2.

Info for manual annotations of cluster AU6:
•Start number 6 was manually annotated 2 times for cluster AU6.

Info for manual annotations of cluster AV:
•Start number 11 was manually annotated 1 time for cluster AV.

Info for manual annotations of cluster FK:
•Start number 6 was manually annotated 3 times for cluster FK.

Gene Information:

Gene: Argan_44 Start: 31581, Stop: 31856, Start Num: 6
Candidate Starts for Argan_44:
(Start: 6 @31581 has 8 MA's), (9, 31629), (18, 31758),

Gene: Bouchard_45 Start: 33902, Stop: 34177, Start Num: 6
Candidate Starts for Bouchard_45:
(Start: 6 @33902 has 8 MA's), (12, 33968), (18, 34079),

Gene: EastWest_72 Start: 42681, Stop: 42989, Start Num: 3
Candidate Starts for EastWest_72:
(Start: 3 @42681 has 1 MA's), (Start: 6 @42717 has 8 MA's), (16, 42849), (18, 42891),

Gene: Elver_17 Start: 9391, Stop: 9663, Start Num: 6
Candidate Starts for Elver_17:
(Start: 6 @9391 has 8 MA's),

Gene: Gandionco_16 Start: 9351, Stop: 9623, Start Num: 6
Candidate Starts for Gandionco_16:
(Start: 6 @9351 has 8 MA's),

Gene: JeNeSaisPas_16 Start: 9923, Stop: 10195, Start Num: 6
Candidate Starts for JeNeSaisPas_16:
(Start: 6 @9923 has 8 MA's),

Gene: Kureo_18 Start: 9755, Stop: 10027, Start Num: 6
Candidate Starts for Kureo_18:
(Start: 6 @9755 has 8 MA's),

Gene: LadyJasley_32 Start: 28063, Stop: 28275, Start Num: 11
Candidate Starts for LadyJasley_32:
(Start: 11 @28063 has 1 MA's), (15, 28105), (20, 28189), (21, 28192),

Gene: Marianna39_17 Start: 9351, Stop: 9623, Start Num: 6
Candidate Starts for Marianna39_17:
(Start: 6 @9351 has 8 MA's),

Gene: Navi1117_47 Start: 32483, Stop: 32758, Start Num: 6
Candidate Starts for Navi1117_47:
(Start: 6 @32483 has 8 MA's), (18, 32660),

Gene: Paella_17 Start: 9390, Stop: 9662, Start Num: 6
Candidate Starts for Paella_17:
(Start: 6 @9390 has 8 MA's),

Gene: Phaby_47 Start: 34334, Stop: 34606, Start Num: 6
Candidate Starts for Phaby_47:
(Start: 6 @34334 has 8 MA's), (10, 34388), (14, 34412), (18, 34508), (24, 34586),

Gene: PigHeaded_30 Start: 27190, Stop: 27402, Start Num: 11
Candidate Starts for PigHeaded_30:
(Start: 11 @27190 has 1 MA's), (15, 27232), (20, 27316), (21, 27319), (23, 27349),

Gene: Qui_17 Start: 9390, Stop: 9662, Start Num: 6

Candidate Starts for Qui_17:
(Start: 6 @9390 has 8 MA's),

Gene: TMaxx_53 Start: 32775, Stop: 32503, Start Num: 6
Candidate Starts for TMaxx_53:
(1, 32832), (2, 32817), (Start: 3 @32811 has 1 MA's), (4, 32805), (Start: 6 @32775 has 8 MA's), (8, 32730), (13, 32706), (18, 32601), (24, 32523),

Gene: Tipton_47 Start: 34305, Stop: 34580, Start Num: 6
Candidate Starts for Tipton_47:
(Start: 6 @34305 has 8 MA's), (18, 34482),

Gene: Tokki_49 Start: 33957, Stop: 34232, Start Num: 6
Candidate Starts for Tokki_49:
(Start: 6 @33957 has 8 MA's), (12, 34023), (18, 34134),

Gene: TripleC_49 Start: 34841, Stop: 34566, Start Num: 6
Candidate Starts for TripleC_49:
(Start: 6 @34841 has 8 MA's), (8, 34796), (18, 34667), (24, 34586),

Gene: Vinye_9 Start: 5706, Stop: 5957, Start Num: 6
Candidate Starts for Vinye_9:
(Start: 6 @5706 has 8 MA's), (7, 5742), (14, 5781), (19, 5868), (21, 5874), (22, 5880), (25, 5946),

Gene: Wollypog_86 Start: 57877, Stop: 58161, Start Num: 5
Candidate Starts for Wollypog_86:
(Start: 5 @57877 has 1 MA's), (17, 58057), (19, 58072),