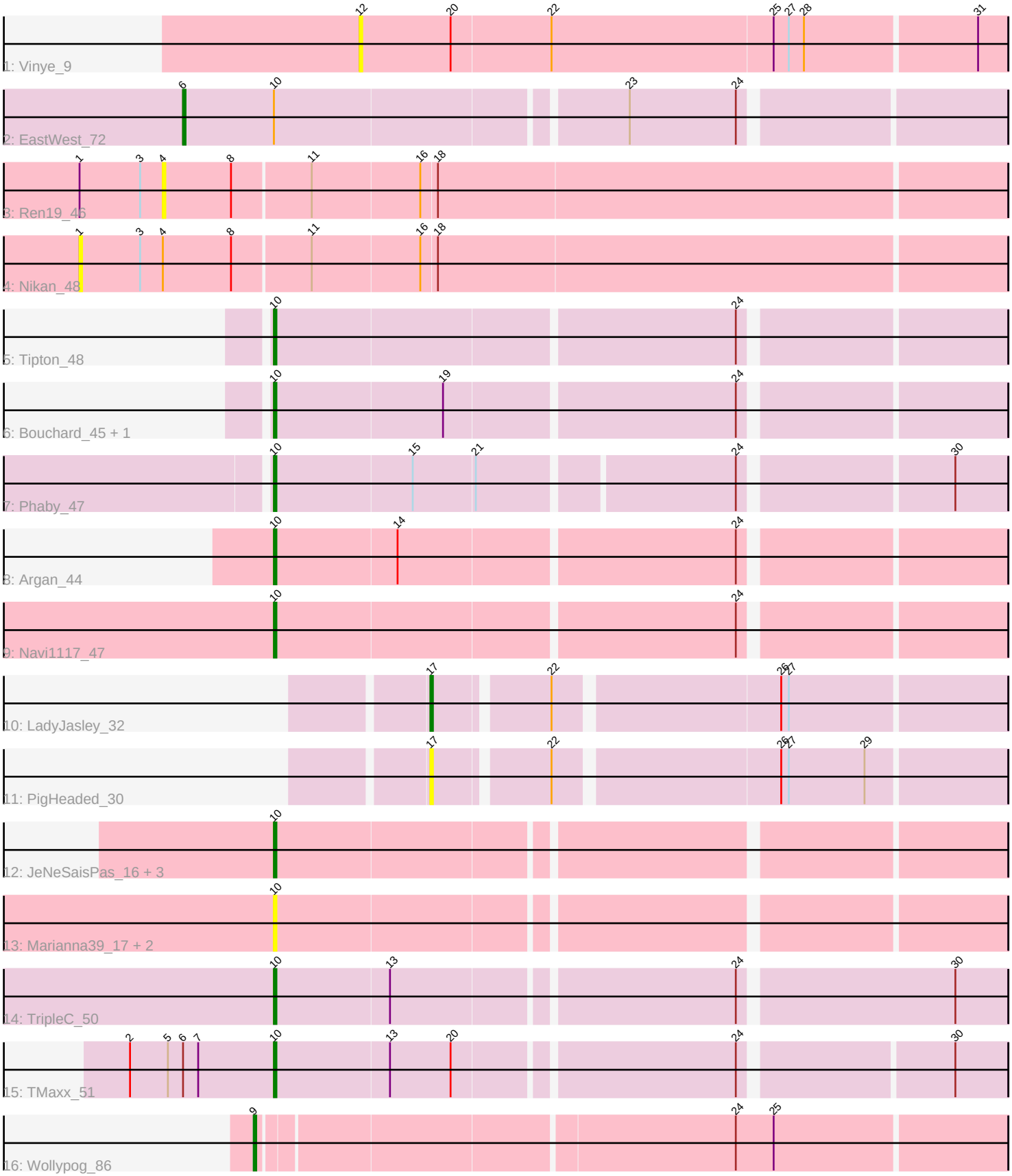
Pham 312009


1: Vinye_9
12
20
22
25
27
28
31
2: EastWest_72
6
10
23
24
3: Ren19_46
1
3
4
8
11
16
18
4: Nikan_48
1
3
4
8
11
16
18
5: Tipton_48
10
24
6: Bouchard_45 + 1
10
19
24
7: Phaby_47
10
15
21
24
30
8: Argan_44
10
14
24
9: Navi1117_47
10
24
10: LadyJasley_32
17
22
26
27
11: PigHeaded_30
17
22
26
27
29
12: JeNeSaisPas_16 + 3
10
13: Marianna39_17 + 2
10
14: TripleC_50
10
13
24
30
15: TMaxx_51
2
5
6
7
10
13
20
24
30
16: Wollypog_86
9
24
25

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 312009 Report

This analysis was run 06/27/26 on database version 652.

Pham number 312009 has 22 members, 8 are drafts.

Phages represented in each track:
- Track 1 : Vinye_9
- Track 2 : EastWest_72
- Track 3 : Ren19_46
- Track 4 : Nikan_48
- Track 5 : Tipton_48
- Track 6 : Bouchard_45, Tokki_49
- Track 7 : Phaby_47
- Track 8 : Argan_44
- Track 9 : Navi1117_47
- Track 10 : LadyJasley_32
- Track 11 : PigHeaded_30
- 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 10, it was called in 11 of the 14 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_51, Tipton_48, Tokki_49, TripleC_50,

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, Nikan_48, PigHeaded_30, Ren19_46, Vinye_9, Wollypog_86,

Summary by start number:

Start 1:
• Found in 2 of 22 (9.1%) of genes in pham
• No Manual Annotations of this start.
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Nikan_48 (AP2),

Start 4:
• Found in 2 of 22 (9.1%) of genes in pham
• No Manual Annotations of this start.
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Ren19_46 (AP2),

Start 6:
• Found in 2 of 22 (9.1%) of genes in pham
• Manual Annotations of this start: 1 of 14
• Called 50.0% of time when present
• Phage (with cluster) where this start called: EastWest_72 (AO),

Start 9:
• Found in 1 of 22 (4.5%) of genes in pham
• Manual Annotations of this start: 1 of 14
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Wollypog_86 (singleton),

Start 10:
• Found in 16 of 22 (72.7%) of genes in pham
• Manual Annotations of this start: 11 of 14
• Called 93.8% 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_51 (FR), Tipton_48 (AU2), Tokki_49 (AU2), TripleC_50 (FR),

Start 12:
• Found in 1 of 22 (4.5%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Vinye_9 (AN),

Start 17:
• Found in 2 of 22 (9.1%) of genes in pham
• Manual Annotations of this start: 1 of 14
• 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, AP2, AU6, singleton, AO, AN, AU2, AV, FK,

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

Info for manual annotations of cluster AU2:
•Start number 10 was manually annotated 4 times for cluster AU2.

Info for manual annotations of cluster AU6:
•Start number 10 was manually annotated 2 times for cluster AU6.

Info for manual annotations of cluster AV:
•Start number 17 was manually annotated 1 time for cluster AV.

Info for manual annotations of cluster FK:
•Start number 10 was manually annotated 3 times for cluster FK.

Info for manual annotations of cluster FR:
•Start number 10 was manually annotated 2 times for cluster FR.

Gene Information:

Gene: Argan_44 Start: 31581, Stop: 31856, Start Num: 10
Candidate Starts for Argan_44:
(Start: 10 @31581 has 11 MA's), (14, 31629), (24, 31758),

Gene: Bouchard_45 Start: 33902, Stop: 34177, Start Num: 10
Candidate Starts for Bouchard_45:
(Start: 10 @33902 has 11 MA's), (19, 33968), (24, 34079),

Gene: EastWest_72 Start: 42681, Stop: 42989, Start Num: 6
Candidate Starts for EastWest_72:
(Start: 6 @42681 has 1 MA's), (Start: 10 @42717 has 11 MA's), (23, 42849), (24, 42891),

Gene: Elver_17 Start: 9391, Stop: 9663, Start Num: 10
Candidate Starts for Elver_17:
(Start: 10 @9391 has 11 MA's),

Gene: Gandionco_16 Start: 9351, Stop: 9623, Start Num: 10
Candidate Starts for Gandionco_16:
(Start: 10 @9351 has 11 MA's),

Gene: JeNeSaisPas_16 Start: 9923, Stop: 10195, Start Num: 10
Candidate Starts for JeNeSaisPas_16:
(Start: 10 @9923 has 11 MA's),

Gene: Kureo_18 Start: 9755, Stop: 10027, Start Num: 10
Candidate Starts for Kureo_18:
(Start: 10 @9755 has 11 MA's),

Gene: LadyJasley_32 Start: 28063, Stop: 28275, Start Num: 17
Candidate Starts for LadyJasley_32:

(Start: 17 @28063 has 1 MA's), (22, 28105), (26, 28189), (27, 28192),

Gene: Marianna39_17 Start: 9351, Stop: 9623, Start Num: 10
Candidate Starts for Marianna39_17:
(Start: 10 @9351 has 11 MA's),

Gene: Navi1117_47 Start: 32483, Stop: 32758, Start Num: 10
Candidate Starts for Navi1117_47:
(Start: 10 @32483 has 11 MA's), (24, 32660),

Gene: Nikan_48 Start: 36478, Stop: 36837, Start Num: 1
Candidate Starts for Nikan_48:
(1, 36478), (3, 36502), (4, 36511), (8, 36538), (11, 36568), (16, 36610), (18, 36616),

Gene: Paella_17 Start: 9390, Stop: 9662, Start Num: 10
Candidate Starts for Paella_17:
(Start: 10 @9390 has 11 MA's),

Gene: Phaby_47 Start: 34334, Stop: 34606, Start Num: 10
Candidate Starts for Phaby_47:
(Start: 10 @34334 has 11 MA's), (15, 34388), (21, 34412), (24, 34508), (30, 34586),

Gene: PigHeaded_30 Start: 27190, Stop: 27402, Start Num: 17
Candidate Starts for PigHeaded_30:
(Start: 17 @27190 has 1 MA's), (22, 27232), (26, 27316), (27, 27319), (29, 27349),

Gene: Qui_17 Start: 9390, Stop: 9662, Start Num: 10
Candidate Starts for Qui_17:
(Start: 10 @9390 has 11 MA's),

Gene: Ren19_46 Start: 36511, Stop: 36837, Start Num: 4
Candidate Starts for Ren19_46:
(1, 36478), (3, 36502), (4, 36511), (8, 36538), (11, 36568), (16, 36610), (18, 36616),

Gene: TMaxx_51 Start: 32775, Stop: 32503, Start Num: 10
Candidate Starts for TMaxx_51:
(2, 32832), (5, 32817), (Start: 6 @32811 has 1 MA's), (7, 32805), (Start: 10 @32775 has 11 MA's), (13, 32730), (20, 32706), (24, 32601), (30, 32523),

Gene: Tipton_48 Start: 34305, Stop: 34580, Start Num: 10
Candidate Starts for Tipton_48:
(Start: 10 @34305 has 11 MA's), (24, 34482),

Gene: Tokki_49 Start: 33957, Stop: 34232, Start Num: 10
Candidate Starts for Tokki_49:
(Start: 10 @33957 has 11 MA's), (19, 34023), (24, 34134),

Gene: TripleC_50 Start: 34841, Stop: 34566, Start Num: 10
Candidate Starts for TripleC_50:
(Start: 10 @34841 has 11 MA's), (13, 34796), (24, 34667), (30, 34586),

Gene: Vinye_9 Start: 5706, Stop: 5957, Start Num: 12
Candidate Starts for Vinye_9:

(12, 5706), (20, 5742), (22, 5781), (25, 5868), (27, 5874), (28, 5880), (31, 5946),

Gene: Wollypog_86 Start: 57877, Stop: 58161, Start Num: 9
Candidate Starts for Wollypog_86:
(Start: 9 @57877 has 1 MA's), (24, 58057), (25, 58072),