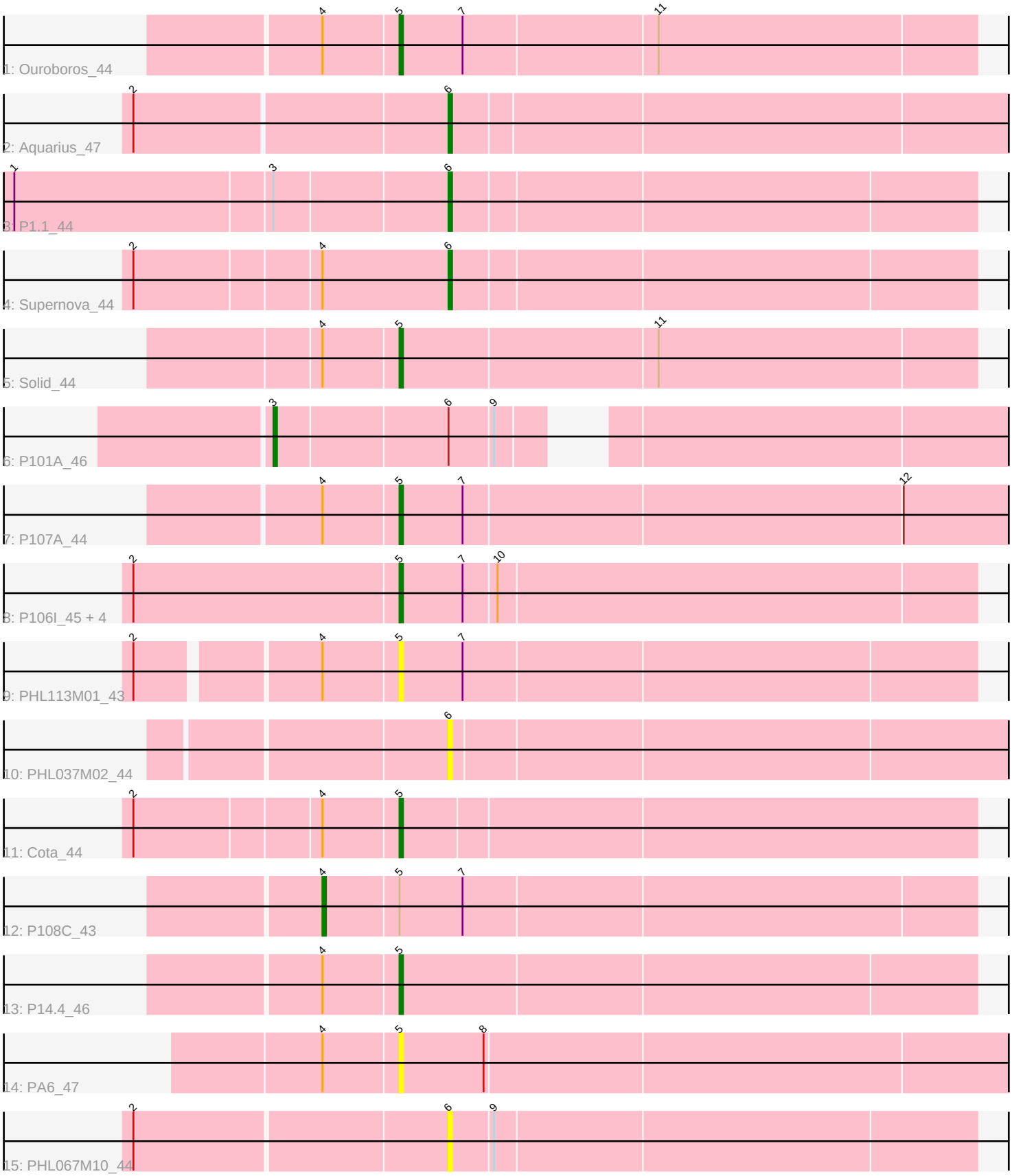
Pham 346192


1: Ouroboros_44
2: Aquarius_47
3: P1.1_44
4: Supernova_44
5: Solid_44
6: P101A_46
7: P107A_44
8: P106I_45 + 4
9: PHL113M01_43
10: PHL037M02_44
11: Cota_44
12: P108C_43
13: P14.4_46
14: PA6_47
15: PHL067M10_44

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 346192 Report

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

Pham number 346192 has 19 members, 4 are drafts.

Phages represented in each track:
• Track 1 : Ouroboros_44
• Track 2 : Aquarius_47
• Track 3 : P1.1_44
• Track 4 : Supernova_44
• Track 5 : Solid_44
• Track 6 : P101A_46
• Track 7 : P107A_44
• Track 8 : P106I_45, P106M_44, P106L_44, P106A_44, P106C_45
• Track 9 : PHL113M01_43
• Track 10 : PHL037M02_44
• Track 11 : Cota_44
• Track 12 : P108C_43
• Track 13 : P14.4_46
• Track 14 : PA6_47
• Track 15 : PHL067M10_44

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

The start number called the most often in the published annotations is 5, it was called in 10 of the 15 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Cota_44, Ouroboros_44, P106A_44, P106C_45, P106I_45, P106L_44, P106M_44, P107A_44, P14.4_46, PA6_47, PHL113M01_43, Solid_44,

Genes that have the "Most Annotated" start but do not call it:
• P108C_43,

Genes that do not have the "Most Annotated" start:
• Aquarius_47, P1.1_44, P101A_46, PHL037M02_44, PHL067M10_44, Supernova_44,

Summary by start number:

Start 3:
• Found in 2 of 19 (10.5%) of genes in pham
• Manual Annotations of this start: 1 of 15
• Called 50.0% of time when present
• Phage (with cluster) where this start called: P101A_46 (BU),

Start 4:
• Found in 9 of 19 (47.4%) of genes in pham
• Manual Annotations of this start: 1 of 15
• Called 11.1% of time when present
• Phage (with cluster) where this start called: P108C_43 (BU),

Start 5:
• Found in 13 of 19 (68.4%) of genes in pham
• Manual Annotations of this start: 10 of 15
• Called 92.3% of time when present
• Phage (with cluster) where this start called: Cota_44 (BU), Ouroboros_44 (BU), P106A_44 (BU), P106C_45 (BU), P106I_45 (BU), P106L_44 (BU), P106M_44 (BU), P107A_44 (BU), P14.4_46 (BU), PA6_47 (BU), PHL113M01_43 (BU), Solid_44 (BU),

Start 6:
• Found in 6 of 19 (31.6%) of genes in pham
• Manual Annotations of this start: 3 of 15
• Called 83.3% of time when present
• Phage (with cluster) where this start called: Aquarius_47 (BU), P1.1_44 (BU), PHL037M02_44 (BU), PHL067M10_44 (BU), Supernova_44 (BU),

Summary by clusters:

There is one cluster represented in this pham: BU

Info for manual annotations of cluster BU:
•Start number 3 was manually annotated 1 time for cluster BU.
•Start number 4 was manually annotated 1 time for cluster BU.
•Start number 5 was manually annotated 10 times for cluster BU.
•Start number 6 was manually annotated 3 times for cluster BU.

Gene Information:

Gene: Aquarius_47 Start: 29564, Stop: 29728, Start Num: 6
Candidate Starts for Aquarius_47:
(2, 29477), (Start: 6 @29564 has 3 MA's),

Gene: Cota_44 Start: 28987, Stop: 29148, Start Num: 5
Candidate Starts for Cota_44:
(2, 28915), (Start: 4 @28966 has 1 MA's), (Start: 5 @28987 has 10 MA's),

Gene: Ouroboros_44 Start: 28944, Stop: 29105, Start Num: 5
Candidate Starts for Ouroboros_44:
(Start: 4 @28923 has 1 MA's), (Start: 5 @28944 has 10 MA's), (7, 28962), (11, 29016),

Gene: P1.1_44 Start: 28801, Stop: 28947, Start Num: 6
Candidate Starts for P1.1_44:
(1, 28681), (Start: 3 @28753 has 1 MA's), (Start: 6 @28801 has 3 MA's),

Gene: P101A_46 Start: 28997, Stop: 29191, Start Num: 3
Candidate Starts for P101A_46:
(Start: 3 @28997 has 1 MA's), (Start: 6 @29045 has 3 MA's), (9, 29057),

Gene: P106A_44 Start: 28992, Stop: 29153, Start Num: 5
Candidate Starts for P106A_44:
(2, 28917), (Start: 5 @28992 has 10 MA's), (7, 29010), (10, 29019),

Gene: P106C_45 Start: 29079, Stop: 29240, Start Num: 5
Candidate Starts for P106C_45:
(2, 29004), (Start: 5 @29079 has 10 MA's), (7, 29097), (10, 29106),

Gene: P106I_45 Start: 28908, Stop: 29069, Start Num: 5
Candidate Starts for P106I_45:
(2, 28833), (Start: 5 @28908 has 10 MA's), (7, 28926), (10, 28935),

Gene: P106L_44 Start: 29079, Stop: 29240, Start Num: 5
Candidate Starts for P106L_44:
(2, 29004), (Start: 5 @29079 has 10 MA's), (7, 29097), (10, 29106),

Gene: P106M_44 Start: 29079, Stop: 29240, Start Num: 5
Candidate Starts for P106M_44:
(2, 29004), (Start: 5 @29079 has 10 MA's), (7, 29097), (10, 29106),

Gene: P107A_44 Start: 28903, Stop: 29082, Start Num: 5
Candidate Starts for P107A_44:
(Start: 4 @28882 has 1 MA's), (Start: 5 @28903 has 10 MA's), (7, 28921), (12, 29044),

Gene: P108C_43 Start: 28911, Stop: 29093, Start Num: 4
Candidate Starts for P108C_43:
(Start: 4 @28911 has 1 MA's), (Start: 5 @28932 has 10 MA's), (7, 28950),

Gene: P14.4_46 Start: 29167, Stop: 29328, Start Num: 5
Candidate Starts for P14.4_46:
(Start: 4 @29146 has 1 MA's), (Start: 5 @29167 has 10 MA's),

Gene: PA6_47 Start: 29190, Stop: 29369, Start Num: 5
Candidate Starts for PA6_47:
(Start: 4 @29169 has 1 MA's), (Start: 5 @29190 has 10 MA's), (8, 29214),

Gene: PHL037M02_44 Start: 28907, Stop: 29077, Start Num: 6
Candidate Starts for PHL037M02_44:
(Start: 6 @28907 has 3 MA's),

Gene: PHL067M10_44 Start: 28840, Stop: 28986, Start Num: 6
Candidate Starts for PHL067M10_44:
(2, 28753), (Start: 6 @28840 has 3 MA's), (9, 28852),

Gene: PHL113M01_43 Start: 28649, Stop: 28810, Start Num: 5

Candidate Starts for PHL113M01_43:
(2, 28580), (Start: 4 @28628 has 1 MA's), (Start: 5 @28649 has 10 MA's), (7, 28667),

Gene: Solid_44 Start: 28878, Stop: 29039, Start Num: 5
Candidate Starts for Solid_44:
(Start: 4 @28857 has 1 MA's), (Start: 5 @28878 has 10 MA's), (11, 28950),

Gene: Supernova_44 Start: 28670, Stop: 28816, Start Num: 6
Candidate Starts for Supernova_44:
(2, 28583), (Start: 4 @28634 has 1 MA's), (Start: 6 @28670 has 3 MA's),