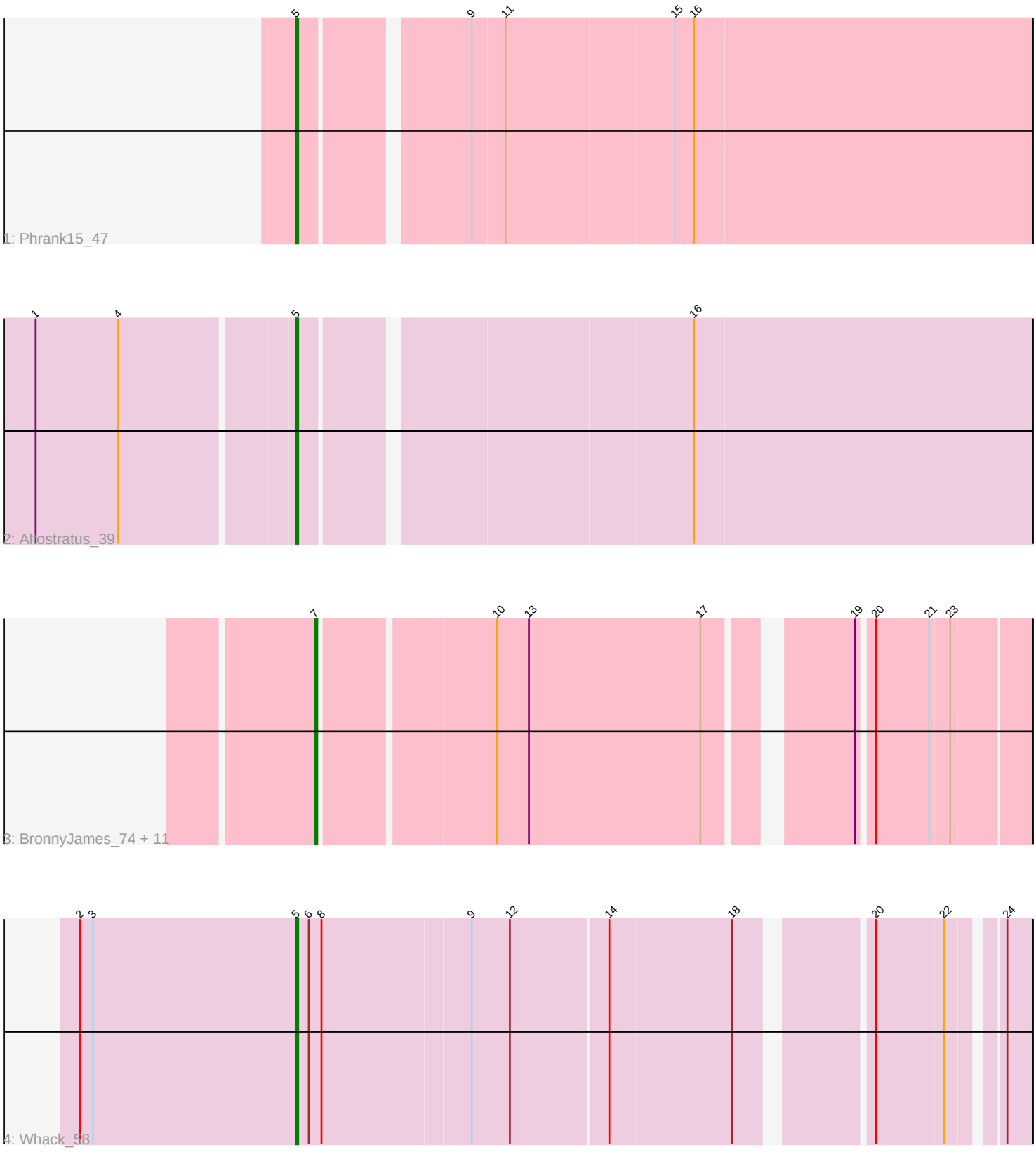
Pham 346255


5
9
11
15
16
1: Phrank15_47
1
4
5
16
2: Alfostratus_39
7
10
13
17
19
20
21
23
3: BronnyJames_74 + 11
2
3
5
6
8
9
12
14
18
20
22
24
4: Whack_58

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 346255 Report

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

Pham number 346255 has 15 members, 8 are drafts.

Phages represented in each track:
• Track 1 : Phrank15_47
• Track 2 : Altostratus_39
• Track 3 : BronnyJames_74, Nova1_53, Vectra_53, Kiwot_54, Salazzle_53, Aleia_53, Veritas_53, Courthouse_74, DuchessDung_53, Nibley_67, Marsha_81, Shaboozey_73
• Track 4 : Whack_58

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

The start number called the most often in the published annotations is 7, it was called in 4 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Aleia_53, BronnyJames_74, Courthouse_74, DuchessDung_53, Kiwot_54, Marsha_81, Nibley_67, Nova1_53, Salazzle_53, Shaboozey_73, Vectra_53, Veritas_53,

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

Genes that do not have the "Most Annotated" start:
• Altostratus_39, Phrank15_47, Whack_58,

Summary by start number:

Start 5:
• Found in 3 of 15 (20.0%) of genes in pham
• Manual Annotations of this start: 3 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Altostratus_39 (FS), Phrank15_47 (AY), Whack_58 (singleton),

Start 7:
• Found in 12 of 15 (80.0%) of genes in pham

• Manual Annotations of this start: 4 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Aleia_53 (B1), BronnyJames_74 (J), Courthouse_74 (J), DuchessDung_53 (B1), Kiwot_54 (B1), Marsha_81 (A1), Nibley_67 (J), Nova1_53 (B1), Salazzle_53 (B1), Shaboozey_73 (J), Vectra_53 (B1), Veritas_53 (B1),

Summary by clusters:

There are 6 clusters represented in this pham: singleton, FS, J, A1, B1, AY,

Info for manual annotations of cluster A1:
•Start number 7 was manually annotated 1 time for cluster A1.

Info for manual annotations of cluster AY:
•Start number 5 was manually annotated 1 time for cluster AY.

Info for manual annotations of cluster B1:
•Start number 7 was manually annotated 2 times for cluster B1.

Info for manual annotations of cluster FS:
•Start number 5 was manually annotated 1 time for cluster FS.

Info for manual annotations of cluster J:
•Start number 7 was manually annotated 1 time for cluster J.

Gene Information:

Gene: Aleia_53 Start: 47280, Stop: 46975, Start Num: 7
Candidate Starts for Aleia_53:
(Start: 7 @47280 has 4 MA's), (10, 47202), (13, 47187), (17, 47106), (19, 47049), (20, 47043), (21, 47019), (23, 47010),

Gene: Altostratus_39 Start: 25752, Stop: 25420, Start Num: 5
Candidate Starts for Altostratus_39:
(1, 25869), (4, 25830), (Start: 5 @25752 has 3 MA's), (16, 25578),

Gene: BronnyJames_74 Start: 46871, Stop: 46566, Start Num: 7
Candidate Starts for BronnyJames_74:
(Start: 7 @46871 has 4 MA's), (10, 46793), (13, 46778), (17, 46697), (19, 46640), (20, 46634), (21, 46610), (23, 46601),

Gene: Courthouse_74 Start: 47783, Stop: 47478, Start Num: 7
Candidate Starts for Courthouse_74:
(Start: 7 @47783 has 4 MA's), (10, 47705), (13, 47690), (17, 47609), (19, 47552), (20, 47546), (21, 47522), (23, 47513),

Gene: DuchessDung_53 Start: 46703, Stop: 46398, Start Num: 7
Candidate Starts for DuchessDung_53:
(Start: 7 @46703 has 4 MA's), (10, 46625), (13, 46610), (17, 46529), (19, 46472), (20, 46466), (21, 46442), (23, 46433),

Gene: Kiwot_54 Start: 47295, Stop: 46990, Start Num: 7
Candidate Starts for Kiwot_54:
(Start: 7 @47295 has 4 MA's), (10, 47217), (13, 47202), (17, 47121), (19, 47064), (20, 47058), (21, 47034), (23, 47025),

Gene: Marsha_81 Start: 50111, Stop: 49806, Start Num: 7
Candidate Starts for Marsha_81:
(Start: 7 @50111 has 4 MA's), (10, 50033), (13, 50018), (17, 49937), (19, 49880), (20, 49874), (21, 49850), (23, 49841),

Gene: Nibley_67 Start: 45960, Stop: 45655, Start Num: 7
Candidate Starts for Nibley_67:
(Start: 7 @45960 has 4 MA's), (10, 45882), (13, 45867), (17, 45786), (19, 45729), (20, 45723), (21, 45699), (23, 45690),

Gene: Nova1_53 Start: 47368, Stop: 47063, Start Num: 7
Candidate Starts for Nova1_53:
(Start: 7 @47368 has 4 MA's), (10, 47290), (13, 47275), (17, 47194), (19, 47137), (20, 47131), (21, 47107), (23, 47098),

Gene: Phrank15_47 Start: 29729, Stop: 30061, Start Num: 5
Candidate Starts for Phrank15_47:
(Start: 5 @29729 has 3 MA's), (9, 29801), (11, 29816), (15, 29894), (16, 29903),

Gene: Salazzle_53 Start: 47301, Stop: 46996, Start Num: 7
Candidate Starts for Salazzle_53:
(Start: 7 @47301 has 4 MA's), (10, 47223), (13, 47208), (17, 47127), (19, 47070), (20, 47064), (21, 47040), (23, 47031),

Gene: Shaboozey_73 Start: 46892, Stop: 46587, Start Num: 7
Candidate Starts for Shaboozey_73:
(Start: 7 @46892 has 4 MA's), (10, 46814), (13, 46799), (17, 46718), (19, 46661), (20, 46655), (21, 46631), (23, 46622),

Gene: Vectra_53 Start: 47286, Stop: 46981, Start Num: 7
Candidate Starts for Vectra_53:
(Start: 7 @47286 has 4 MA's), (10, 47208), (13, 47193), (17, 47112), (19, 47055), (20, 47049), (21, 47025), (23, 47016),

Gene: Veritas_53 Start: 47298, Stop: 46993, Start Num: 7
Candidate Starts for Veritas_53:
(Start: 7 @47298 has 4 MA's), (10, 47220), (13, 47205), (17, 47124), (19, 47067), (20, 47061), (21, 47037), (23, 47028),

Gene: Whack_58 Start: 40223, Stop: 40540, Start Num: 5
Candidate Starts for Whack_58:
(2, 40121), (3, 40127), (Start: 5 @40223 has 3 MA's), (6, 40229), (8, 40235), (9, 40304), (12, 40322), (14, 40367), (18, 40424), (20, 40478), (22, 40508), (24, 40529),