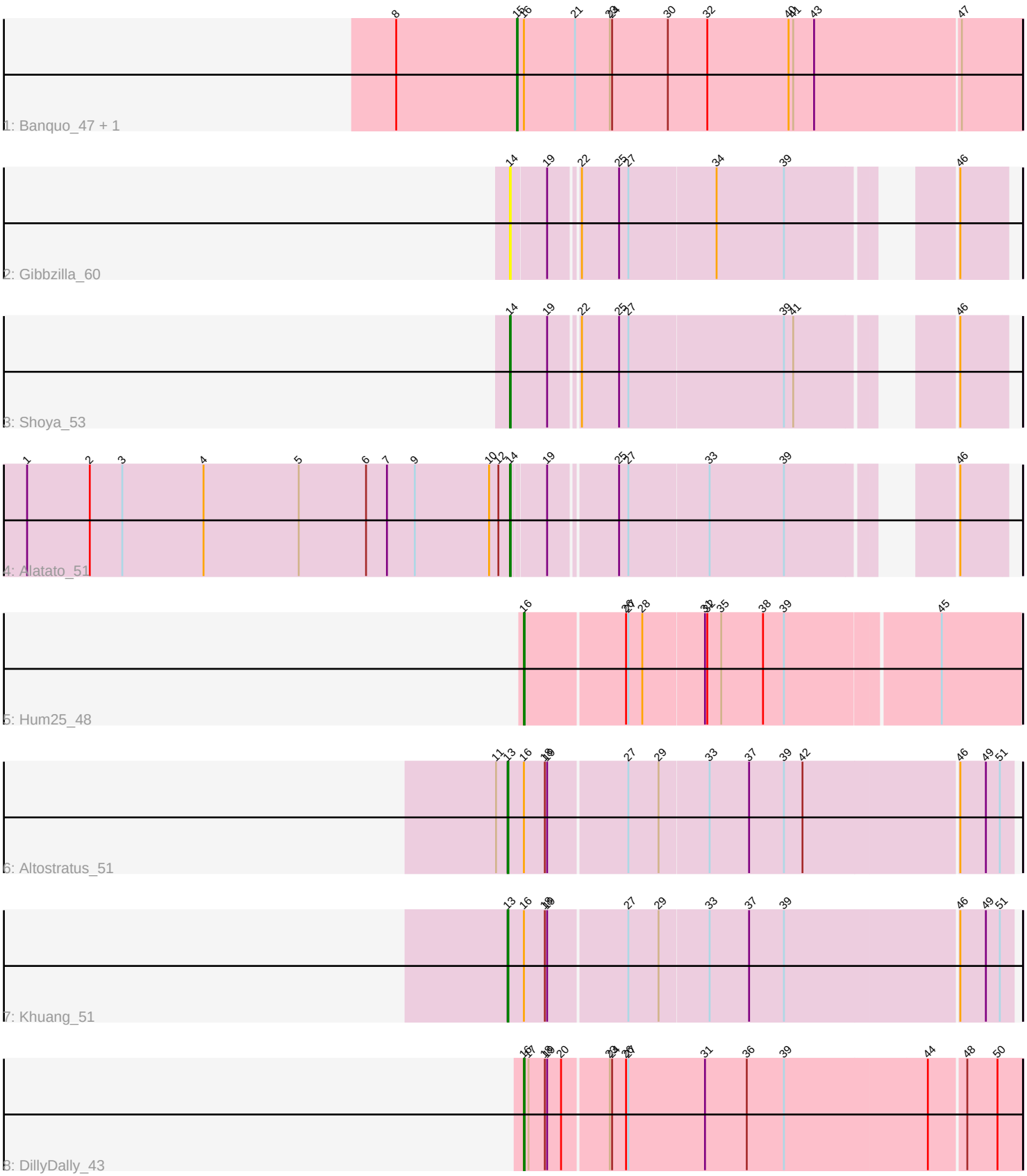
Pham 329687


1: Banquo_47 + 1
2: Gibbzilla_60
3: Shoya_53
4: Alatato_51
5: Hum25_48
6: Altostratus_51
7: Khuang_51
8: DillyDally_43

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 329687 Report

This analysis was run 09/05/26 on database version 662.

Pham number 329687 has 9 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Banquo_47, TinaLin_46
• Track 2 : Gibbzilla_60
• Track 3 : Shoya_53
• Track 4 : Alatato_51
• Track 5 : Hum25_48
• Track 6 : Altostratus_51
• Track 7 : Khuang_51
• Track 8 : DillyDally_43

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

The start number called the most often in the published annotations is 14, it was called in 2 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Alatato_51, Gibbzilla_60, Shoya_53,

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

Genes that do not have the "Most Annotated" start:
• Altostratus_51, Banquo_47, DillyDally_43, Hum25_48, Khuang_51, TinaLin_46,

Summary by start number:

Start 13:
• Found in 2 of 9 (22.2%) of genes in pham
• Manual Annotations of this start: 2 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Altostratus_51 (FS), Khuang_51 (FS),

Start 14:
• Found in 3 of 9 (33.3%) of genes in pham
• Manual Annotations of this start: 2 of 8

• Called 100.0% of time when present
• Phage (with cluster) where this start called: Alatato_51 (FB), Gibbzilla_60 (FB), Shoya_53 (FB),

Start 15:
• Found in 2 of 9 (22.2%) of genes in pham
• Manual Annotations of this start: 2 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Banquo_47 (CU1), TinaLin_46 (CU1),

Start 16:
• Found in 6 of 9 (66.7%) of genes in pham
• Manual Annotations of this start: 2 of 8
• Called 33.3% of time when present
• Phage (with cluster) where this start called: DillyDally_43 (singleton), Hum25_48 (FQ1),

Summary by clusters:

There are 5 clusters represented in this pham: FB, FS, singleton, CU1, FQ1,

Info for manual annotations of cluster CU1:
•Start number 15 was manually annotated 2 times for cluster CU1.

Info for manual annotations of cluster FB:
•Start number 14 was manually annotated 2 times for cluster FB.

Info for manual annotations of cluster FQ1:
•Start number 16 was manually annotated 1 time for cluster FQ1.

Info for manual annotations of cluster FS:
•Start number 13 was manually annotated 2 times for cluster FS.

Gene Information:

Gene: Alatato_51 Start: 30120, Stop: 30674, Start Num: 14
Candidate Starts for Alatato_51:
(1, 29496), (2, 29577), (3, 29619), (4, 29724), (5, 29847), (6, 29934), (7, 29961), (9, 29997), (10, 30093), (12, 30105), (Start: 14 @30120 has 2 MA's), (19, 30162), (25, 30243), (27, 30255), (33, 30357), (39, 30453), (46, 30615),

Gene: Altostratus_51 Start: 29882, Stop: 30517, Start Num: 13
Candidate Starts for Altostratus_51:
(11, 29867), (Start: 13 @29882 has 2 MA's), (Start: 16 @29903 has 2 MA's), (18, 29930), (19, 29933), (27, 30032), (29, 30071), (33, 30134), (37, 30185), (39, 30230), (42, 30254), (46, 30449), (49, 30482), (51, 30500),

Gene: Banquo_47 Start: 31147, Stop: 31794, Start Num: 15
Candidate Starts for Banquo_47:
(8, 30991), (Start: 15 @31147 has 2 MA's), (Start: 16 @31156 has 2 MA's), (21, 31222), (23, 31267), (24, 31270), (30, 31342), (32, 31393), (40, 31498), (41, 31504), (43, 31531), (47, 31717),

Gene: DillyDally_43 Start: 28651, Stop: 29277, Start Num: 16
Candidate Starts for DillyDally_43:
(Start: 16 @28651 has 2 MA's), (17, 28657), (18, 28678), (19, 28681), (20, 28699), (23, 28756), (24, 28759), (26, 28777), (27, 28780), (31, 28879), (36, 28933), (39, 28981), (44, 29161), (48, 29206), (50, 29245),

Gene: Gibbzilla_60 Start: 31460, Stop: 32017, Start Num: 14
Candidate Starts for Gibbzilla_60:
(Start: 14 @31460 has 2 MA's), (19, 31505), (22, 31538), (25, 31586), (27, 31598), (34, 31709), (39, 31796), (46, 31958),

Gene: Hum25_48 Start: 28280, Stop: 28900, Start Num: 16
Candidate Starts for Hum25_48:
(Start: 16 @28280 has 2 MA's), (26, 28406), (27, 28409), (28, 28427), (31, 28505), (32, 28508), (35, 28526), (38, 28580), (39, 28607), (45, 28799),

Gene: Khuang_51 Start: 30078, Stop: 30713, Start Num: 13
Candidate Starts for Khuang_51:
(Start: 13 @30078 has 2 MA's), (Start: 16 @30099 has 2 MA's), (18, 30126), (19, 30129), (27, 30228), (29, 30267), (33, 30330), (37, 30381), (39, 30426), (46, 30645), (49, 30678), (51, 30696),

Gene: Shoya_53 Start: 30081, Stop: 30641, Start Num: 14
Candidate Starts for Shoya_53:
(Start: 14 @30081 has 2 MA's), (19, 30129), (22, 30162), (25, 30210), (27, 30222), (39, 30420), (41, 30432), (46, 30582),

Gene: TinaLin_46 Start: 30820, Stop: 31467, Start Num: 15
Candidate Starts for TinaLin_46:
(8, 30664), (Start: 15 @30820 has 2 MA's), (Start: 16 @30829 has 2 MA's), (21, 30895), (23, 30940), (24, 30943), (30, 31015), (32, 31066), (40, 31171), (41, 31177), (43, 31204), (47, 31390),