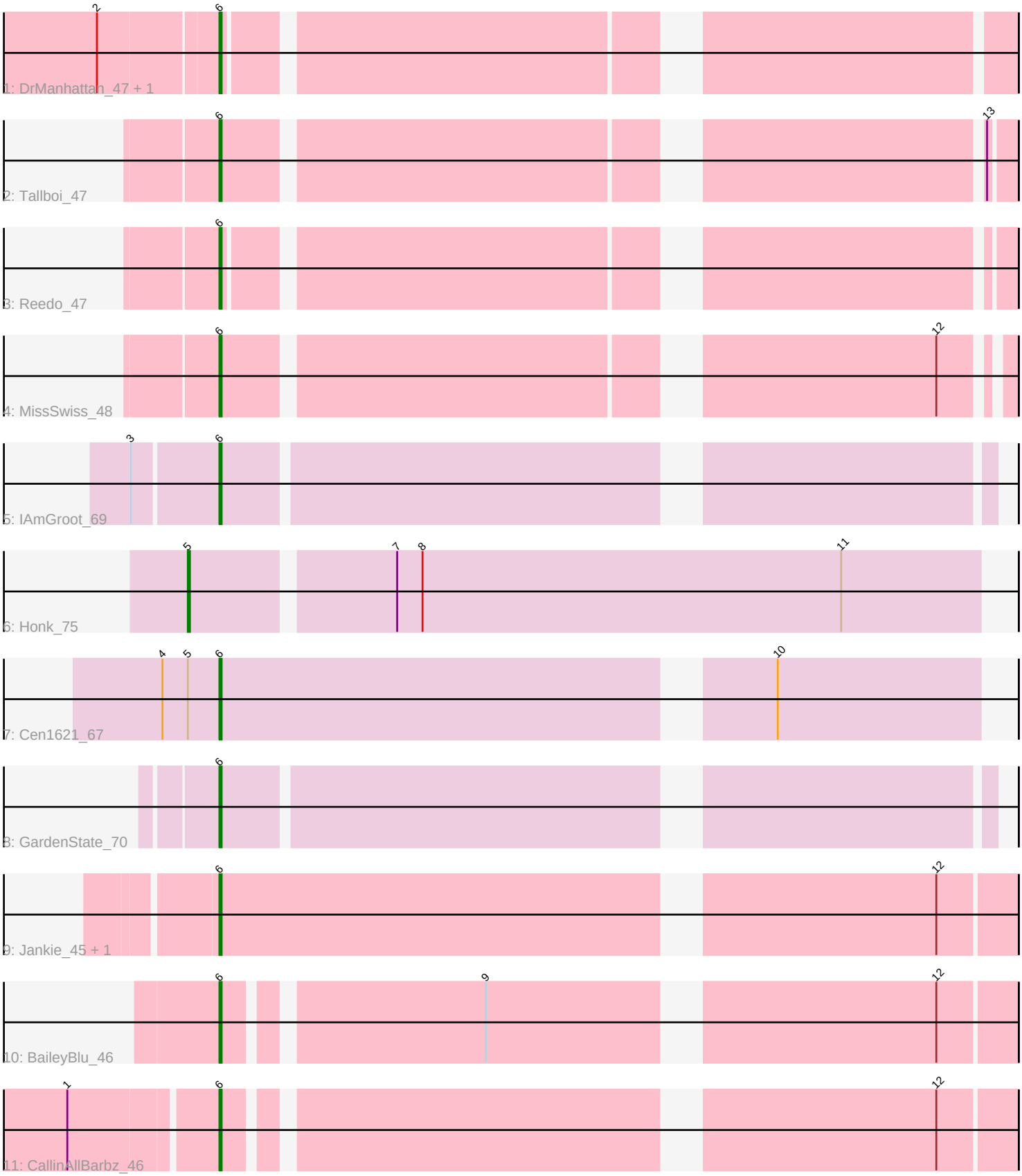
Pham 225019


2
6
1: DrManhattan_47 + 1
6
13
2: Tallboi_47
6
3: Reedo_47
6
12
4: MissSwiss_48
3
6
5: IAmGroot_69
5
7
8
11
6: Honk_75
4
5
6
10
7: Cen1621_67
6
8: GardenState_70
6
12
9: Jankie_45 + 1
6
9
12
10: BaileyBlu_46
1
6
12
11: CallinAllBarbz_46

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 225019 Report

This analysis was run 03/28/25 on database version 593.

Pham number 225019 has 13 members, 1 are drafts.

Phages represented in each track:
• Track 1 : DrManhattan_47, Adolin_48
• Track 2 : Tallboi_47
• Track 3 : Reedo_47
• Track 4 : MissSwiss_48
• Track 5 : IAmGroot_69
• Track 6 : Honk_75
• Track 7 : Cen1621_67
• Track 8 : GardenState_70
• Track 9 : Jankie_45, Soondubu_41
• Track 10 : BaileyBlu_46
• Track 11 : CallinAllBarbz_46

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 11 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Adolin_48, BaileyBlu_46, CallinAllBarbz_46, Cen1621_67, DrManhattan_47, GardenState_70, IAmGroot_69, Jankie_45, MissSwiss_48, Reedo_47, Soondubu_41, Tallboi_47,

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

Genes that do not have the "Most Annotated" start:
• Honk_75,

Summary by start number:

Start 5:
• Found in 2 of 13 (15.4%) of genes in pham
• Manual Annotations of this start: 1 of 12
• Called 50.0% of time when present

• Phage (with cluster) where this start called: Honk_75 (EH),

Start 6:
• Found in 12 of 13 (92.3%) of genes in pham
• Manual Annotations of this start: 11 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Adolin_48 (AZ1), BaileyBlu_46 (FP), CallinAllBarbz_46 (FP), Cen1621_67 (EH), DrManhattan_47 (AZ1), GardenState_70 (EH), IAmGroot_69 (EH), Jankie_45 (FP), MissSwiss_48 (AZ1), Reedo_47 (AZ1), Soondubu_41 (AZ), Tallboi_47 (AZ1),

Summary by clusters:

There are 4 clusters represented in this pham: FP, AZ1, AZ, EH,

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

Info for manual annotations of cluster AZ1:
•Start number 6 was manually annotated 5 times for cluster AZ1.

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

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

Gene Information:

Gene: Adolin_48 Start: 33121, Stop: 33456, Start Num: 6
Candidate Starts for Adolin_48:
(2, 33067), (Start: 6 @33121 has 11 MA's),

Gene: BaileyBlu_46 Start: 33124, Stop: 33462, Start Num: 6
Candidate Starts for BaileyBlu_46:
(Start: 6 @33124 has 11 MA's), (9, 33235), (12, 33427),

Gene: CallinAllBarbz_46 Start: 33305, Stop: 33643, Start Num: 6
Candidate Starts for CallinAllBarbz_46:
(1, 33239), (Start: 6 @33305 has 11 MA's), (12, 33608),

Gene: Cen1621_67 Start: 45156, Stop: 45494, Start Num: 6
Candidate Starts for Cen1621_67:
(4, 45129), (Start: 5 @45141 has 1 MA's), (Start: 6 @45156 has 11 MA's), (10, 45399),

Gene: DrManhattan_47 Start: 32688, Stop: 33023, Start Num: 6
Candidate Starts for DrManhattan_47:
(2, 32634), (Start: 6 @32688 has 11 MA's),

Gene: GardenState_70 Start: 42790, Stop: 43125, Start Num: 6

Candidate Starts for GardenState_70:
(Start: 6 @42790 has 11 MA's),

Gene: Honk_75 Start: 46974, Stop: 47339, Start Num: 5
Candidate Starts for Honk_75:
(Start: 5 @46974 has 1 MA's), (7, 47064), (8, 47076), (11, 47274),

Gene: IAmGroot_69 Start: 43001, Stop: 43336, Start Num: 6
Candidate Starts for IAmGroot_69:
(3, 42962), (Start: 6 @43001 has 11 MA's),

Gene: Jankie_45 Start: 31949, Stop: 32302, Start Num: 6
Candidate Starts for Jankie_45:
(Start: 6 @31949 has 11 MA's), (12, 32267),

Gene: MissSwiss_48 Start: 33199, Stop: 33531, Start Num: 6
Candidate Starts for MissSwiss_48:
(Start: 6 @33199 has 11 MA's), (12, 33505),

Gene: Reedo_47 Start: 32807, Stop: 33139, Start Num: 6
Candidate Starts for Reedo_47:
(Start: 6 @32807 has 11 MA's),

Gene: Soondubu_41 Start: 34415, Stop: 34756, Start Num: 6
Candidate Starts for Soondubu_41:
(Start: 6 @34415 has 11 MA's), (12, 34718),

Gene: Tallboi_47 Start: 35393, Stop: 35728, Start Num: 6
Candidate Starts for Tallboi_47:
(Start: 6 @35393 has 11 MA's), (13, 35717),