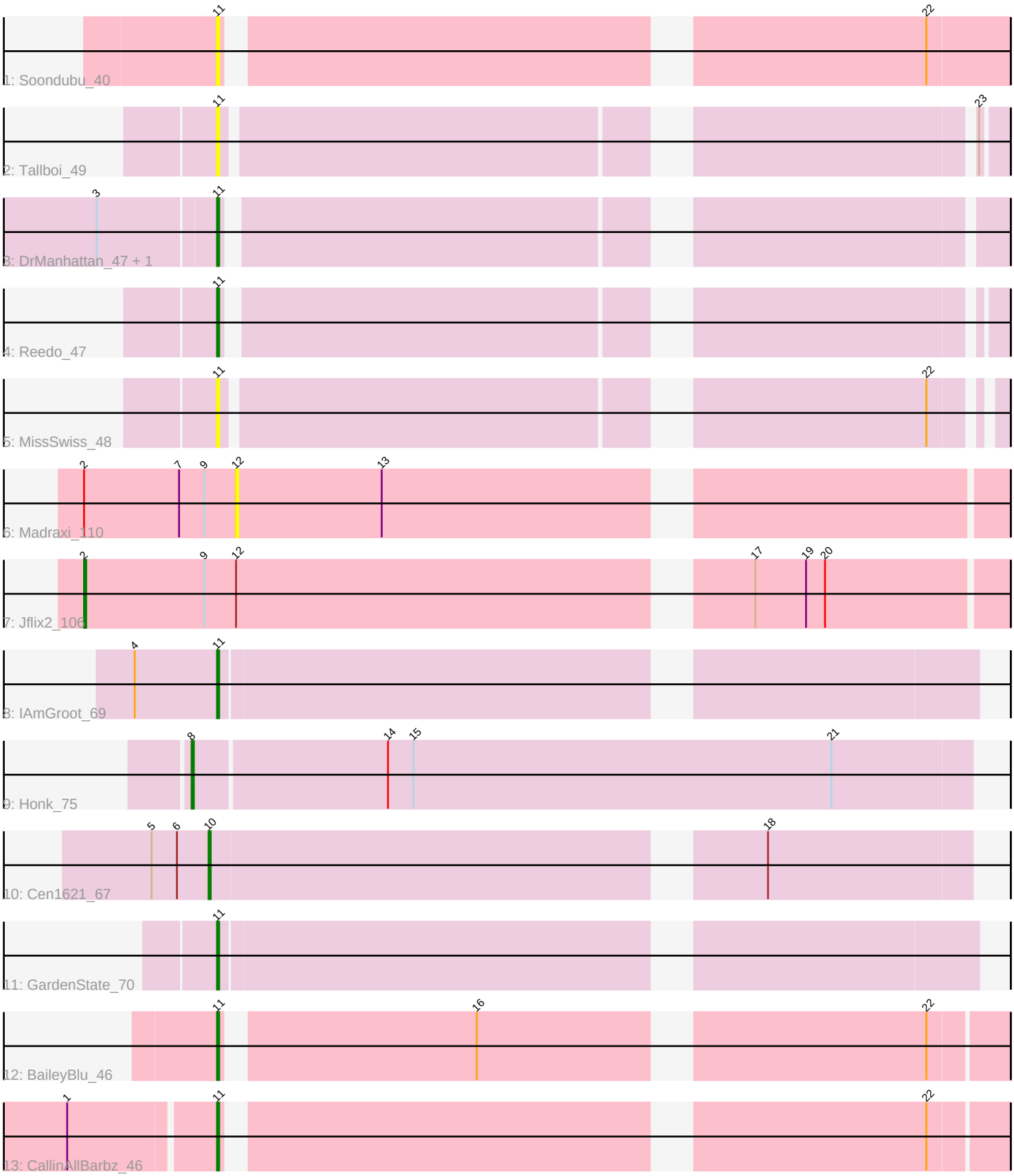
Pham 158274


11
22
1: Soondubu_40
11
23
2: Tallboi_49
3
11
3: DrManhattan_47 + 1
11
4: Reedo_47
11
22
5: MissSwiss_48
2
7
9
12
13
6: Madraxi_110
2
9
12
17
19
20
7: Jflix2_106
4
11
8: IAmGroot_69
8
14
15
21
9: Honk_75
5
6
10
18
10: Cen1621_67
11
11: GardenState_70
11
16
22
12: BaileyBlu_46
1
11
22
13: 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 158274 Report

This analysis was run 04/13/24 on database version 558.

Pham number 158274 has 14 members, 4 are drafts.

Phages represented in each track:
• Track 1 : Soondubu_40
• Track 2 : Tallboi_49
• Track 3 : DrManhattan_47, Adolin_48
• Track 4 : Reedo_47
• Track 5 : MissSwiss_48
• Track 6 : Madraxi_110
• Track 7 : Jflix2_106
• Track 8 : IAmGroot_69
• Track 9 : Honk_75
• Track 10 : Cen1621_67
• Track 11 : GardenState_70
• Track 12 : BaileyBlu_46
• Track 13 : 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 11, it was called in 7 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Adolin_48, BaileyBlu_46, CallinAllBarbz_46, DrManhattan_47, GardenState_70, IAmGroot_69, MissSwiss_48, Reedo_47, Soondubu_40, Tallboi_49,

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

Genes that do not have the "Most Annotated" start:
• Cen1621_67, Honk_75, Jflix2_106, Madraxi_110,

Summary by start number:

Start 2:
• Found in 2 of 14 (14.3%) of genes in pham
• Manual Annotations of this start: 1 of 10

• Called 50.0% of time when present
• Phage (with cluster) where this start called: Jflix2_106 (CF),

Start 8:
• Found in 1 of 14 (7.1%) of genes in pham
• Manual Annotations of this start: 1 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Honk_75 (EH),

Start 10:
• Found in 1 of 14 (7.1%) of genes in pham
• Manual Annotations of this start: 1 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Cen1621_67 (EH),

Start 11:
• Found in 10 of 14 (71.4%) of genes in pham
• Manual Annotations of this start: 7 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Adolin_48 (AZ1), BaileyBlu_46 (FP), CallinAllBarbz_46 (FP), DrManhattan_47 (AZ1), GardenState_70 (EH), IAmGroot_69 (EH), MissSwiss_48 (AZ1), Reedo_47 (AZ1), Soondubu_40 (AZ), Tallboi_49 (AZ1),

Start 12:
• Found in 2 of 14 (14.3%) of genes in pham
• No Manual Annotations of this start.
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Madraxi_110 (CF),

Summary by clusters:

There are 5 clusters represented in this pham: FP, AZ1, AZ, CF, EH,

Info for manual annotations of cluster AZ1:
•Start number 11 was manually annotated 3 times for cluster AZ1.

Info for manual annotations of cluster CF:
•Start number 2 was manually annotated 1 time for cluster CF.

Info for manual annotations of cluster EH:
•Start number 8 was manually annotated 1 time for cluster EH.
•Start number 10 was manually annotated 1 time for cluster EH.
•Start number 11 was manually annotated 2 times for cluster EH.

Info for manual annotations of cluster FP:
•Start number 11 was manually annotated 2 times for cluster FP.

Gene Information:

Gene: Adolin_48 Start: 33121, Stop: 33456, Start Num: 11

Candidate Starts for Adolin_48:
(3, 33067), (Start: 11 @33121 has 7 MA's),

Gene: BaileyBlu_46 Start: 33124, Stop: 33462, Start Num: 11
Candidate Starts for BaileyBlu_46:
(Start: 11 @33124 has 7 MA's), (16, 33235), (22, 33427),

Gene: CallinAllBarbz_46 Start: 33305, Stop: 33643, Start Num: 11
Candidate Starts for CallinAllBarbz_46:
(1, 33239), (Start: 11 @33305 has 7 MA's), (22, 33608),

Gene: Cen1621_67 Start: 45156, Stop: 45494, Start Num: 10
Candidate Starts for Cen1621_67:
(5, 45129), (6, 45141), (Start: 10 @45156 has 1 MA's), (18, 45399),

Gene: DrManhattan_47 Start: 32688, Stop: 33023, Start Num: 11
Candidate Starts for DrManhattan_47:
(3, 32634), (Start: 11 @32688 has 7 MA's),

Gene: GardenState_70 Start: 42790, Stop: 43125, Start Num: 11
Candidate Starts for GardenState_70:
(Start: 11 @42790 has 7 MA's),

Gene: Honk_75 Start: 46974, Stop: 47339, Start Num: 8
Candidate Starts for Honk_75:
(Start: 8 @46974 has 1 MA's), (14, 47064), (15, 47076), (21, 47274),

Gene: IAmGroot_69 Start: 43001, Stop: 43336, Start Num: 11
Candidate Starts for IAmGroot_69:
(4, 42962), (Start: 11 @43001 has 7 MA's),

Gene: Jflix2_106 Start: 61115, Stop: 60702, Start Num: 2
Candidate Starts for Jflix2_106:
(Start: 2 @61115 has 1 MA's), (9, 61058), (12, 61043), (17, 60818), (19, 60794), (20, 60785),

Gene: Madraxi_110 Start: 63073, Stop: 62732, Start Num: 12
Candidate Starts for Madraxi_110:
(Start: 2 @63145 has 1 MA's), (7, 63100), (9, 63088), (12, 63073), (13, 63004),

Gene: MissSwiss_48 Start: 33199, Stop: 33531, Start Num: 11
Candidate Starts for MissSwiss_48:
(Start: 11 @33199 has 7 MA's), (22, 33505),

Gene: Reedo_47 Start: 32807, Stop: 33139, Start Num: 11
Candidate Starts for Reedo_47:
(Start: 11 @32807 has 7 MA's),

Gene: Soondubu_40 Start: 34415, Stop: 34756, Start Num: 11
Candidate Starts for Soondubu_40:
(Start: 11 @34415 has 7 MA's), (22, 34718),

Gene: Tallboi_49 Start: 35393, Stop: 35728, Start Num: 11
Candidate Starts for Tallboi_49:

(Start: 11 @35393 has 7 MA's), (23, 35717),