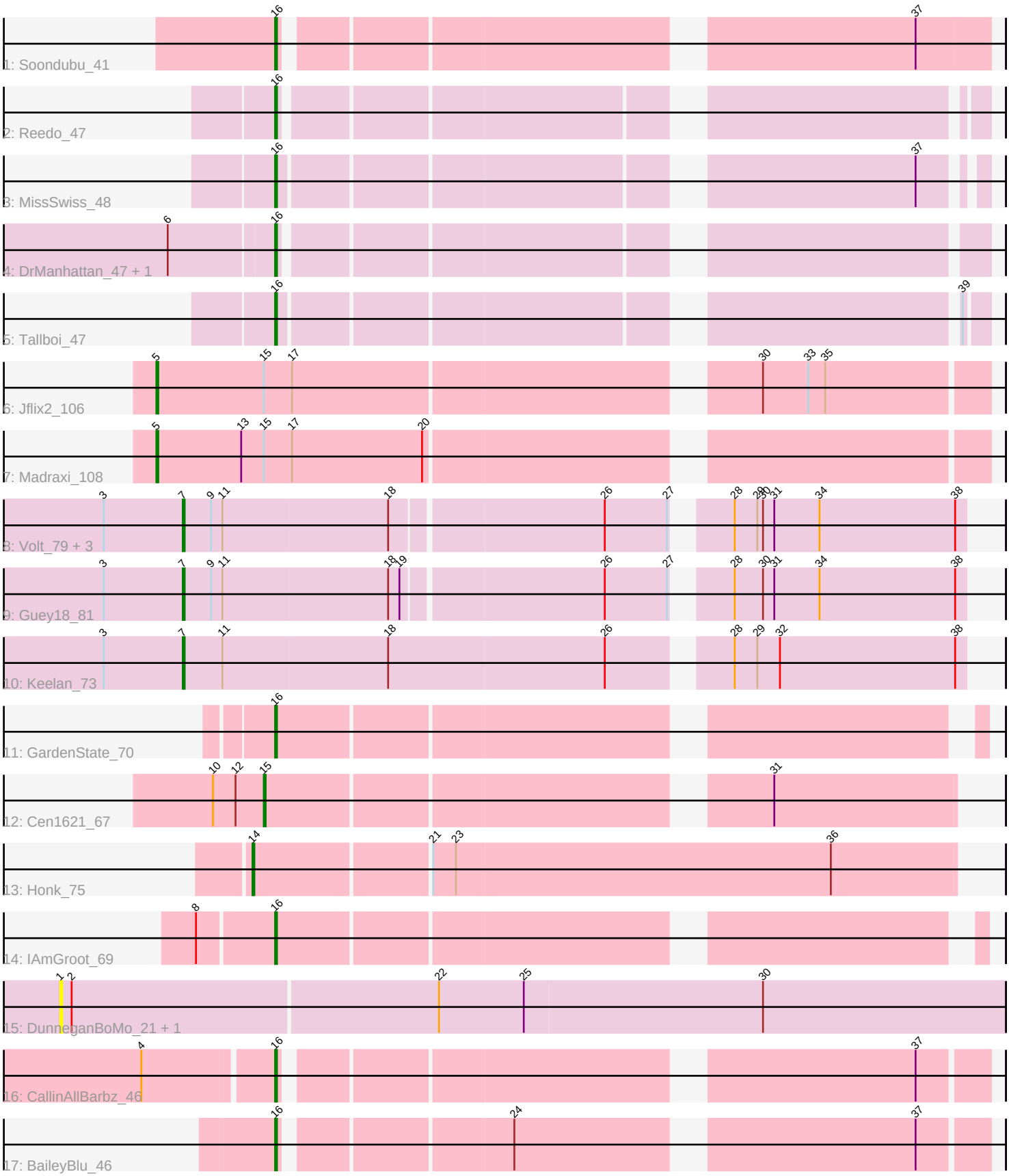
Pham 171753


1: Soondubu_41
2: Reedo_47
3: MissSwiss_48
4: DrManhattan_47 + 1
5: Tallboi_47
6: Jflix2_106
7: Madraxi_108
8: Volt_79 + 3
9: Guey18_81
10: Keelan_73
11: GardenState_70
12: Cen1621_67
13: Honk_75
14: IAmGroot_69
15: DunneganBoMo_21 + 1
16: CallinAllBarbz_46
17: BaileyBlu_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 171753 Report

This analysis was run 07/10/24 on database version 566.

Pham number 171753 has 22 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Soondubu_41
• Track 2 : Reedo_47
• Track 3 : MissSwiss_48
• Track 4 : DrManhattan_47, Adolin_48
• Track 5 : Tallboi_47
• Track 6 : Jflix2_106
• Track 7 : Madraxi_108
• Track 8 : Volt_79, Ronaldo_79, Ziko_79, Fryberger_75
• Track 9 : Guey18_81
• Track 10 : Keelan_73
• Track 11 : GardenState_70
• Track 12 : Cen1621_67
• Track 13 : Honk_75
• Track 14 : IAmGroot_69
• Track 15 : DunneganBoMo_21, DunneganBoMo_324
• Track 16 : CallinAllBarbz_46
• Track 17 : BaileyBlu_46

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

The start number called the most often in the published annotations is 16, it was called in 10 of the 20 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_41, Tallboi_47,

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

Genes that do not have the "Most Annotated" start:
• Cen1621_67, DunneganBoMo_21, DunneganBoMo_324, Fryberger_75, Guey18_81, Honk_75, Jflix2_106, Keelan_73, Madraxi_108, Ronaldo_79, Volt_79, Ziko_79,

Summary by start number:

Start 1:
• Found in 2 of 22 (9.1%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: DunneganBoMo_21 (FC), DunneganBoMo_324 (FC),

Start 5:
• Found in 2 of 22 (9.1%) of genes in pham
• Manual Annotations of this start: 2 of 20
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Jflix2_106 (CF), Madraxi_108 (CF),

Start 7:
• Found in 6 of 22 (27.3%) of genes in pham
• Manual Annotations of this start: 6 of 20
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Fryberger_75 (DP), Guey18_81 (DP), Keelan_73 (DP), Ronaldo_79 (DP), Volt_79 (DP), Ziko_79 (DP),

Start 14:
• Found in 1 of 22 (4.5%) of genes in pham
• Manual Annotations of this start: 1 of 20
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Honk_75 (EH),

Start 15:
• Found in 3 of 22 (13.6%) of genes in pham
• Manual Annotations of this start: 1 of 20
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Cen1621_67 (EH),

Start 16:
• Found in 10 of 22 (45.5%) of genes in pham
• Manual Annotations of this start: 10 of 20
• 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_41 (AZ), Tallboi_47 (AZ1),

Summary by clusters:

There are 7 clusters represented in this pham: FP, EH, CF, FC, AZ1, AZ, DP,

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

Info for manual annotations of cluster AZ1:
•Start number 16 was manually annotated 5 times for cluster AZ1.

Info for manual annotations of cluster CF:
•Start number 5 was manually annotated 2 times for cluster CF.

Info for manual annotations of cluster DP:
•Start number 7 was manually annotated 6 times for cluster DP.

Info for manual annotations of cluster EH:
•Start number 14 was manually annotated 1 time for cluster EH.
•Start number 15 was manually annotated 1 time for cluster EH.
•Start number 16 was manually annotated 2 times for cluster EH.

Info for manual annotations of cluster FP:
•Start number 16 was manually annotated 2 times for cluster FP.

Gene Information:

Gene: Adolin_48 Start: 33121, Stop: 33456, Start Num: 16
Candidate Starts for Adolin_48:
(6, 33067), (Start: 16 @33121 has 10 MA's),

Gene: BaileyBlu_46 Start: 33124, Stop: 33462, Start Num: 16
Candidate Starts for BaileyBlu_46:
(Start: 16 @33124 has 10 MA's), (24, 33235), (37, 33427),

Gene: CallinAllBarbz_46 Start: 33305, Stop: 33643, Start Num: 16
Candidate Starts for CallinAllBarbz_46:
(4, 33239), (Start: 16 @33305 has 10 MA's), (37, 33608),

Gene: Cen1621_67 Start: 45156, Stop: 45494, Start Num: 15
Candidate Starts for Cen1621_67:
(10, 45129), (12, 45141), (Start: 15 @45156 has 1 MA's), (31, 45399),

Gene: DrManhattan_47 Start: 32688, Stop: 33023, Start Num: 16
Candidate Starts for DrManhattan_47:
(6, 32634), (Start: 16 @32688 has 10 MA's),

Gene: DunneganBoMo_21 Start: 8362, Stop: 8859, Start Num: 1
Candidate Starts for DunneganBoMo_21:
(1, 8362), (2, 8368), (22, 8560), (25, 8605), (30, 8731),

Gene: DunneganBoMo_324 Start: 187774, Stop: 188271, Start Num: 1
Candidate Starts for DunneganBoMo_324:
(1, 187774), (2, 187780), (22, 187972), (25, 188017), (30, 188143),

Gene: Fryberger_75 Start: 40522, Stop: 40130, Start Num: 7
Candidate Starts for Fryberger_75:
(3, 40564), (Start: 7 @40522 has 6 MA's), (9, 40507), (11, 40501), (18, 40414), (26, 40306), (27, 40273), (28, 40252), (29, 40240), (30, 40237), (31, 40231), (34, 40207), (38, 40135),

Gene: GardenState_70 Start: 42790, Stop: 43125, Start Num: 16

Candidate Starts for GardenState_70:
(Start: 16 @42790 has 10 MA's),

Gene: Guey18_81 Start: 41893, Stop: 41501, Start Num: 7
Candidate Starts for Guey18_81:
(3, 41935), (Start: 7 @41893 has 6 MA's), (9, 41878), (11, 41872), (18, 41785), (19, 41779), (26, 41677), (27, 41644), (28, 41623), (30, 41608), (31, 41602), (34, 41578), (38, 41506),

Gene: Honk_75 Start: 46974, Stop: 47339, Start Num: 14
Candidate Starts for Honk_75:
(Start: 14 @46974 has 1 MA's), (21, 47064), (23, 47076), (36, 47274),

Gene: IAmGroot_69 Start: 43001, Stop: 43336, Start Num: 16
Candidate Starts for IAmGroot_69:
(8, 42962), (Start: 16 @43001 has 10 MA's),

Gene: Jflix2_106 Start: 61115, Stop: 60702, Start Num: 5
Candidate Starts for Jflix2_106:
(Start: 5 @61115 has 2 MA's), (Start: 15 @61058 has 1 MA's), (17, 61043), (30, 60818), (33, 60794), (35, 60785),

Gene: Keelan_73 Start: 40361, Stop: 39963, Start Num: 7
Candidate Starts for Keelan_73:
(3, 40403), (Start: 7 @40361 has 6 MA's), (11, 40340), (18, 40253), (26, 40139), (28, 40085), (29, 40073), (32, 40061), (38, 39968),

Gene: Madraxi_108 Start: 63145, Stop: 62732, Start Num: 5
Candidate Starts for Madraxi_108:
(Start: 5 @63145 has 2 MA's), (13, 63100), (Start: 15 @63088 has 1 MA's), (17, 63073), (20, 63004),

Gene: MissSwiss_48 Start: 33199, Stop: 33531, Start Num: 16
Candidate Starts for MissSwiss_48:
(Start: 16 @33199 has 10 MA's), (37, 33505),

Gene: Reedo_47 Start: 32807, Stop: 33139, Start Num: 16
Candidate Starts for Reedo_47:
(Start: 16 @32807 has 10 MA's),

Gene: Ronaldo_79 Start: 41666, Stop: 41274, Start Num: 7
Candidate Starts for Ronaldo_79:
(3, 41708), (Start: 7 @41666 has 6 MA's), (9, 41651), (11, 41645), (18, 41558), (26, 41450), (27, 41417), (28, 41396), (29, 41384), (30, 41381), (31, 41375), (34, 41351), (38, 41279),

Gene: Soondubu_41 Start: 34415, Stop: 34756, Start Num: 16
Candidate Starts for Soondubu_41:
(Start: 16 @34415 has 10 MA's), (37, 34718),

Gene: Tallboi_47 Start: 35393, Stop: 35728, Start Num: 16
Candidate Starts for Tallboi_47:
(Start: 16 @35393 has 10 MA's), (39, 35717),

Gene: Volt_79 Start: 41830, Stop: 41438, Start Num: 7
Candidate Starts for Volt_79:

(3, 41872), (Start: 7 @41830 has 6 MA's), (9, 41815), (11, 41809), (18, 41722), (26, 41614), (27, 41581), (28, 41560), (29, 41548), (30, 41545), (31, 41539), (34, 41515), (38, 41443),

Gene: Ziko_79 Start: 41652, Stop: 41260, Start Num: 7
Candidate Starts for Ziko_79:
(3, 41694), (Start: 7 @41652 has 6 MA's), (9, 41637), (11, 41631), (18, 41544), (26, 41436), (27, 41403), (28, 41382), (29, 41370), (30, 41367), (31, 41361), (34, 41337), (38, 41265),