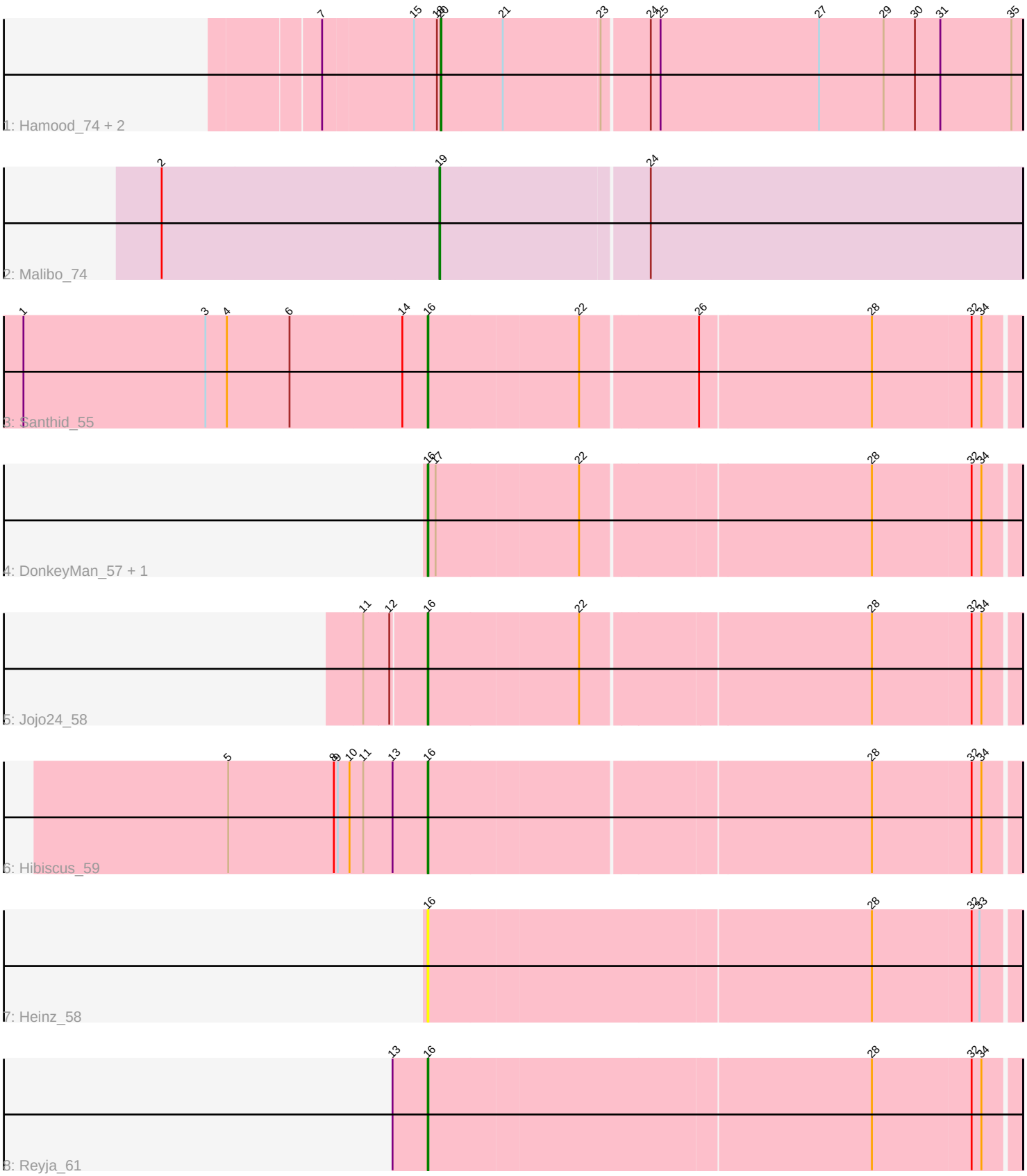
Pham 171933


7
15
18
19
21
23
24
25
27
29
30
31
35
1: Hamood_74 + 2
2
19
24
2: Malibo_74
1
3
4
6
14
16
22
26
28
32
34
3: Santhid_55
16
17
22
28
32
34
4: DonkeyMan_57 + 1
11
12
16
22
28
32
34
5: Jojo24_58
5
8
9
10
11
13
16
28
32
34
6: Hibiscus_59
16
28
32
33
7: Heinz_58
13
16
28
32
34
8: Reyja_61

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 171933 Report

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

Pham number 171933 has 11 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Hamood_74, Chop_74, GrandSlam_74
• Track 2 : Malibo_74
• Track 3 : Santhid_55
• Track 4 : DonkeyMan_57, Tarzan_59
• Track 5 : Jojo24_58
• Track 6 : Hibiscus_59
• Track 7 : Heinz_58
• Track 8 : Reyja_61

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 5 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• DonkeyMan_57, Heinz_58, Hibiscus_59, Jojo24_58, Reyja_61, Santhid_55, Tarzan_59,

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

Genes that do not have the "Most Annotated" start:
• Chop_74, GrandSlam_74, Hamood_74, Malibo_74,

Summary by start number:

Start 16:
• Found in 7 of 11 (63.6%) of genes in pham
• Manual Annotations of this start: 5 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: DonkeyMan_57 (DY), Heinz_58 (DY), Hibiscus_59 (DY), Jojo24_58 (DY), Reyja_61 (DY), Santhid_55 (DY), Tarzan_59 (DY),

Start 19:
• Found in 1 of 11 (9.1%) of genes in pham
• Manual Annotations of this start: 1 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Malibo_74 (DW),

Start 20:
• Found in 3 of 11 (27.3%) 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: Chop_74 (DI), GrandSlam_74 (DI), Hamood_74 (DI),

Summary by clusters:

There are 3 clusters represented in this pham: DW, DI, DY,

Info for manual annotations of cluster DI:
•Start number 20 was manually annotated 2 times for cluster DI.

Info for manual annotations of cluster DW:
•Start number 19 was manually annotated 1 time for cluster DW.

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

Gene Information:

Gene: Chop_74 Start: 49201, Stop: 50076, Start Num: 20
Candidate Starts for Chop_74:
(7, 49030), (15, 49162), (18, 49195), (Start: 20 @49201 has 2 MA's), (21, 49294), (23, 49441), (24, 49510), (25, 49525), (27, 49765), (29, 49864), (30, 49912), (31, 49951), (35, 50059),

Gene: DonkeyMan_57 Start: 38622, Stop: 39494, Start Num: 16
Candidate Starts for DonkeyMan_57:
(Start: 16 @38622 has 5 MA's), (17, 38634), (22, 38847), (28, 39276), (32, 39426), (34, 39441),

Gene: GrandSlam_74 Start: 49201, Stop: 50076, Start Num: 20
Candidate Starts for GrandSlam_74:
(7, 49030), (15, 49162), (18, 49195), (Start: 20 @49201 has 2 MA's), (21, 49294), (23, 49441), (24, 49510), (25, 49525), (27, 49765), (29, 49864), (30, 49912), (31, 49951), (35, 50059),

Gene: Hamood_74 Start: 49201, Stop: 50076, Start Num: 20
Candidate Starts for Hamood_74:
(7, 49030), (15, 49162), (18, 49195), (Start: 20 @49201 has 2 MA's), (21, 49294), (23, 49441), (24, 49510), (25, 49525), (27, 49765), (29, 49864), (30, 49912), (31, 49951), (35, 50059),

Gene: Heinz_58 Start: 37588, Stop: 38469, Start Num: 16
Candidate Starts for Heinz_58:
(Start: 16 @37588 has 5 MA's), (28, 38251), (32, 38401), (33, 38413),

Gene: Hibiscus_59 Start: 37479, Stop: 38351, Start Num: 16
Candidate Starts for Hibiscus_59:
(5, 37173), (8, 37335), (9, 37341), (10, 37359), (11, 37380), (13, 37425), (Start: 16 @37479 has 5 MA's), (28, 38133), (32, 38283), (34, 38298),

Gene: Jojo24_58 Start: 37912, Stop: 38784, Start Num: 16
Candidate Starts for Jojo24_58:
(11, 37819), (12, 37858), (Start: 16 @37912 has 5 MA's), (22, 38137), (28, 38566), (32, 38716), (34, 38731),

Gene: Malibo_74 Start: 48036, Stop: 48914, Start Num: 19
Candidate Starts for Malibo_74:
(2, 47619), (Start: 19 @48036 has 1 MA's), (24, 48348),

Gene: Reyja_61 Start: 39095, Stop: 39976, Start Num: 16
Candidate Starts for Reyja_61:
(13, 39041), (Start: 16 @39095 has 5 MA's), (28, 39758), (32, 39908), (34, 39923),

Gene: Santhid_55 Start: 36515, Stop: 37387, Start Num: 16
Candidate Starts for Santhid_55:
(1, 35897), (3, 36176), (4, 36209), (6, 36305), (14, 36476), (Start: 16 @36515 has 5 MA's), (22, 36740), (26, 36911), (28, 37169), (32, 37319), (34, 37334),

Gene: Tarzan_59 Start: 37877, Stop: 38749, Start Num: 16
Candidate Starts for Tarzan_59:
(Start: 16 @37877 has 5 MA's), (17, 37889), (22, 38102), (28, 38531), (32, 38681), (34, 38696),