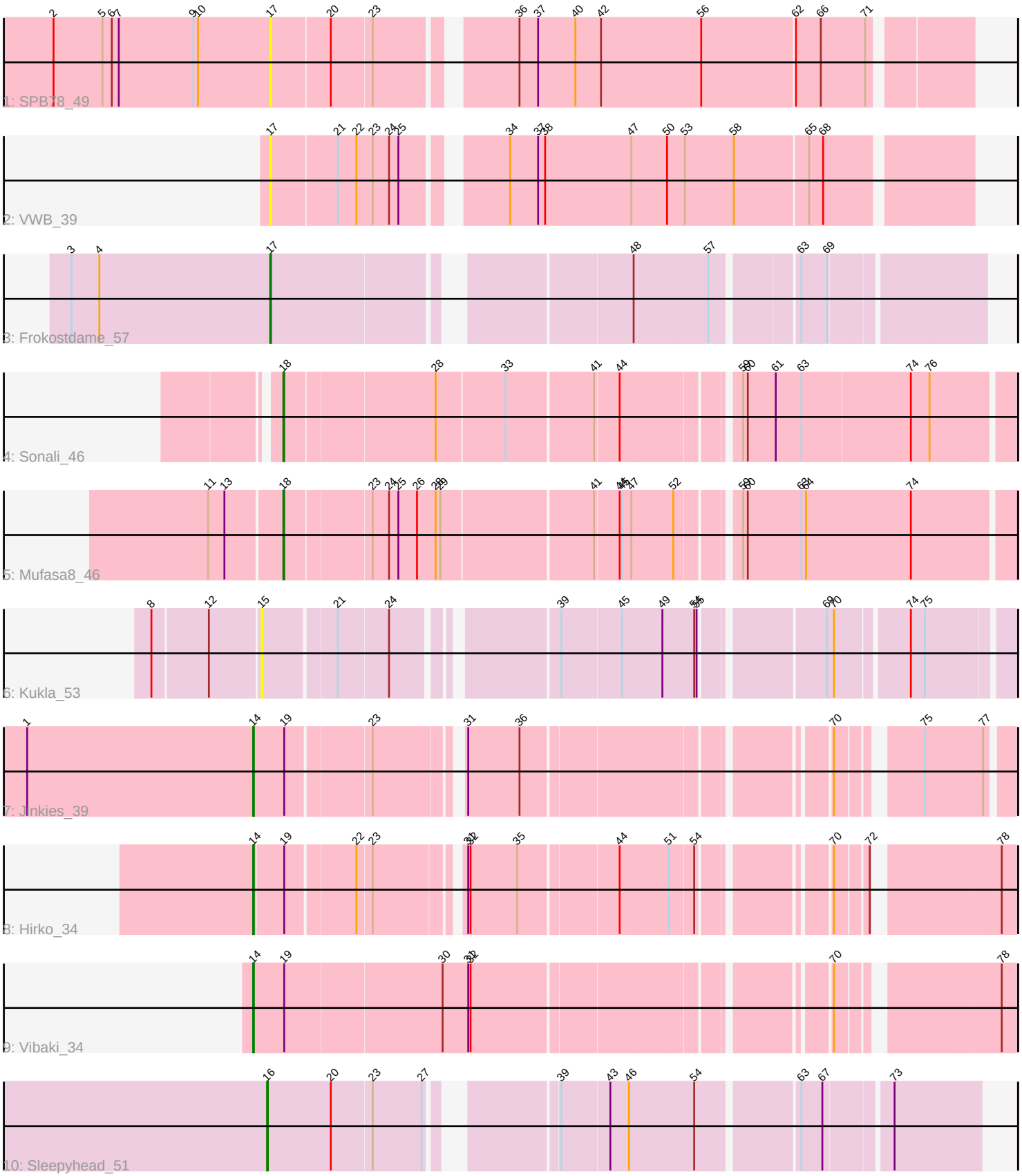
Pham 171901


1: SPB78_49
2: VWB_39
3: Frokostdame_57
4: Sonali_46
5: Mufasa8_46
6: Kukla_53
7: Jinkies_39
8: Hirko_34
9: Vibaki_34
10: Sleepyhead_51

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 171901 Report

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

WARNING: Pham size does not match number of genes in report. Either unphamerated genes have been added (by you) or starterator has removed genes due to invalid start codon.

Pham number 171901 has 10 members, 3 are drafts.

Phages represented in each track:
- Track 1 : SPB78_49
- Track 2 : VWB_39
- Track 3 : Frokostdame_57
- Track 4 : Sonali_46
- Track 5 : Mufasa8_46
- Track 6 : Kukla_53
- Track 7 : Jinkies_39
- Track 8 : Hirko_34
- Track 9 : Vibaki_34
- Track 10 : Sleepyhead_51

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 3 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
- Hirko_34, Jinkies_39, Vibaki_34,

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

Genes that do not have the "Most Annotated" start:
- Frokostdame_57, Kukla_53, Mufasa8_46, SPB78_49, Sleepyhead_51, Sonali_46, VWB_39,

Summary by start number:

Start 14:
- Found in 3 of 10 (30.0%) of genes in pham

• Manual Annotations of this start: 3 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Hirko_34 (FL), Jinkies_39 (FL), Vibaki_34 (FL),

Start 15:
• Found in 1 of 10 (10.0%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Kukla_53 (FJ),

Start 16:
• Found in 1 of 10 (10.0%) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Sleepyhead_51 (singleton),

Start 17:
• Found in 3 of 10 (30.0%) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Frokostdame_57 (CV), SPB78_49 (BA), VWB_39 (BA),

Start 18:
• Found in 2 of 10 (20.0%) of genes in pham
• Manual Annotations of this start: 2 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Mufasa8_46 (FG), Sonali_46 (FG),

Summary by clusters:

There are 6 clusters represented in this pham: singleton, BA, FG, FJ, FL, CV,

Info for manual annotations of cluster CV:
•Start number 17 was manually annotated 1 time for cluster CV.

Info for manual annotations of cluster FG:
•Start number 18 was manually annotated 2 times for cluster FG.

Info for manual annotations of cluster FL:
•Start number 14 was manually annotated 3 times for cluster FL.

Gene Information:

Gene: Frokostdame_57 Start: 38508, Stop: 39326, Start Num: 17
Candidate Starts for Frokostdame_57:
(3, 38253), (4, 38289), (Start: 17 @38508 has 1 MA's), (48, 38919), (57, 39009), (63, 39108), (69, 39141),

Gene: Hirko_34 Start: 30103, Stop: 30942, Start Num: 14
Candidate Starts for Hirko_34:
(Start: 14 @30103 has 3 MA's), (19, 30139), (22, 30223), (23, 30241), (31, 30340), (32, 30343), (35, 30403), (44, 30523), (51, 30583), (54, 30613), (70, 30751), (72, 30784), (78, 30925),

Gene: Jinkies_39 Start: 31061, Stop: 31891, Start Num: 14
Candidate Starts for Jinkies_39:
(1, 30770), (Start: 14 @31061 has 3 MA's), (19, 31100), (23, 31202), (31, 31298), (36, 31364), (70, 31709), (75, 31790), (77, 31862),

Gene: Kukla_53 Start: 32835, Stop: 33680, Start Num: 15
Candidate Starts for Kukla_53:
(8, 32703), (12, 32772), (15, 32835), (21, 32919), (24, 32982), (39, 33162), (45, 33237), (49, 33288), (54, 33327), (55, 33330), (69, 33471), (70, 33480), (74, 33564), (75, 33582),

Gene: Mufasa8_46 Start: 34303, Stop: 35181, Start Num: 18
Candidate Starts for Mufasa8_46:
(11, 34213), (13, 34234), (Start: 18 @34303 has 2 MA's), (23, 34408), (24, 34429), (25, 34441), (26, 34465), (28, 34489), (29, 34495), (41, 34681), (44, 34711), (45, 34714), (47, 34726), (52, 34777), (59, 34843), (60, 34849), (63, 34918), (64, 34924), (74, 35059),

Gene: SPB78_49 Start: 33944, Stop: 34774, Start Num: 17
Candidate Starts for SPB78_49:
(2, 33665), (5, 33728), (6, 33740), (7, 33749), (9, 33845), (10, 33851), (Start: 17 @33944 has 1 MA's), (20, 34016), (23, 34067), (36, 34220), (37, 34244), (40, 34292), (42, 34325), (56, 34451), (62, 34568), (66, 34598), (71, 34655),

Gene: Sleepyhead_51 Start: 34354, Stop: 35169, Start Num: 16
Candidate Starts for Sleepyhead_51:
(Start: 16 @34354 has 1 MA's), (20, 34435), (23, 34486), (27, 34549), (39, 34675), (43, 34735), (46, 34759), (54, 34840), (63, 34960), (67, 34987), (73, 35062),

Gene: Sonali_46 Start: 36630, Stop: 37502, Start Num: 18
Candidate Starts for Sonali_46:
(Start: 18 @36630 has 2 MA's), (28, 36816), (33, 36900), (41, 37008), (44, 37038), (59, 37170), (60, 37176), (61, 37212), (63, 37245), (74, 37383), (76, 37407),

Gene: VWB_39 Start: 31399, Stop: 32235, Start Num: 17
Candidate Starts for VWB_39:
(Start: 17 @31399 has 1 MA's), (21, 31480), (22, 31504), (23, 31525), (24, 31546), (25, 31558), (34, 31666), (37, 31702), (38, 31711), (47, 31822), (50, 31867), (53, 31888), (58, 31951), (65, 32041), (68, 32059),

Gene: Vibaki_34 Start: 30213, Stop: 31088, Start Num: 14
Candidate Starts for Vibaki_34:
(Start: 14 @30213 has 3 MA's), (19, 30252), (30, 30450), (31, 30483), (32, 30486), (70, 30894), (78, 31071),