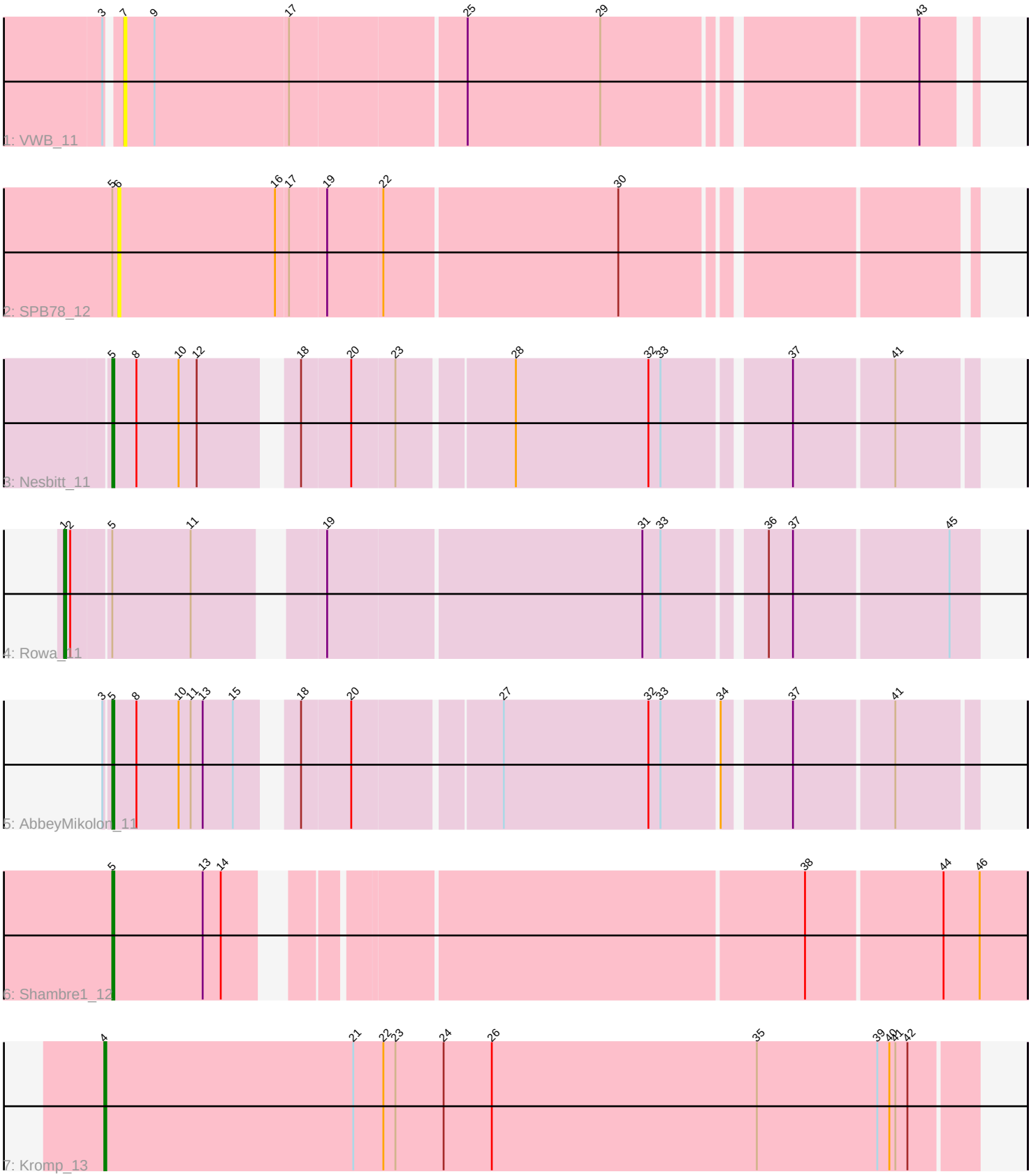
Pham 200926


3
7
9
17
25
29
43
1: VWB_11
5
6
16
17
19
22
30
2: SPB78_12
5
8
10
12
18
20
23
28
32
33
37
41
3: Nesbitt_11
12
5
11
19
31
33
36
37
45
4: Rowa_11
3
5
8
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11
13
15
18
20
27
32
33
34
37
41
5: AbbeyMikolon_11
5
13
14
38
44
46
6: Shambre1_12
4
21
22
23
24
26
35
39
40
41
42
7: Kromp_13

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 200926 Report

This analysis was run 01/18/25 on database version 583.

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 200926 has 7 members, 2 are drafts.

Phages represented in each track:
- Track 1 : VWB_11
- Track 2 : SPB78_12
- Track 3 : Nesbitt_11
- Track 4 : Rowa_11
- Track 5 : AbbeyMikolon_11
- Track 6 : Shambre1_12
- Track 7 : Kromp_13

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

The start number called the most often in the published annotations is 5, it was called in 3 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
- AbbeyMikolon_11, Nesbitt_11, Shambre1_12,

Genes that have the "Most Annotated" start but do not call it:
- Rowa_11, SPB78_12,

Genes that do not have the "Most Annotated" start:
- Kromp_13, VWB_11,

Summary by start number:

Start 1:
- Found in 1 of 7 (14.3%) of genes in pham
- Manual Annotations of this start: 1 of 5
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Rowa_11 (BL),

Start 4:
• Found in 1 of 7 (14.3%) of genes in pham
• Manual Annotations of this start: 1 of 5
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Kromp_13 (singleton),

Start 5:
• Found in 5 of 7 (71.4%) of genes in pham
• Manual Annotations of this start: 3 of 5
• Called 60.0% of time when present
• Phage (with cluster) where this start called: AbbeyMikolon_11 (BL), Nesbitt_11 (BL), Shambre1_12 (singleton),

Start 6:
• Found in 1 of 7 (14.3%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: SPB78_12 (BA),

Start 7:
• Found in 1 of 7 (14.3%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: VWB_11 (BA),

Summary by clusters:

There are 3 clusters represented in this pham: BL, singleton, BA,

Info for manual annotations of cluster BL:
•Start number 1 was manually annotated 1 time for cluster BL.
•Start number 5 was manually annotated 2 times for cluster BL.

Gene Information:

Gene: AbbeyMikolon_11 Start: 7783, Stop: 8178, Start Num: 5
Candidate Starts for AbbeyMikolon_11:
(3, 7780), (Start: 5 @7783 has 3 MA's), (8, 7795), (10, 7816), (11, 7822), (13, 7828), (15, 7843), (18, 7864), (20, 7888), (27, 7957), (32, 8029), (33, 8035), (34, 8062), (37, 8092), (41, 8140),

Gene: Kromp_13 Start: 9303, Stop: 9734, Start Num: 4
Candidate Starts for Kromp_13:
(Start: 4 @9303 has 1 MA's), (21, 9426), (22, 9441), (23, 9447), (24, 9471), (26, 9495), (35, 9627), (39, 9687), (40, 9693), (41, 9696), (42, 9702),

Gene: Nesbitt_11 Start: 7855, Stop: 8250, Start Num: 5
Candidate Starts for Nesbitt_11:
(Start: 5 @7855 has 3 MA's), (8, 7867), (10, 7888), (12, 7897), (18, 7936), (20, 7960), (23, 7981), (28, 8035), (32, 8101), (33, 8107), (37, 8164), (41, 8212),

Gene: Rowa_11 Start: 7599, Stop: 8018, Start Num: 1
Candidate Starts for Rowa_11:
(Start: 1 @7599 has 1 MA's), (2, 7602), (Start: 5 @7620 has 3 MA's), (11, 7659), (19, 7710), (31, 7863), (33, 7872), (36, 7917), (37, 7929), (45, 8004),

Gene: SPB78_12 Start: 8026, Stop: 8427, Start Num: 6
Candidate Starts for SPB78_12:
(Start: 5 @8023 has 3 MA's), (6, 8026), (16, 8104), (17, 8110), (19, 8128), (22, 8155), (30, 8269),

Gene: Shambre1_12 Start: 8782, Stop: 9204, Start Num: 5
Candidate Starts for Shambre1_12:
(Start: 5 @8782 has 3 MA's), (13, 8827), (14, 8836), (38, 9097), (44, 9163), (46, 9181),

Gene: VWB_11 Start: 8079, Stop: 8474, Start Num: 7
Candidate Starts for VWB_11:
(3, 8073), (7, 8079), (9, 8094), (17, 8160), (25, 8244), (29, 8310), (43, 8454),