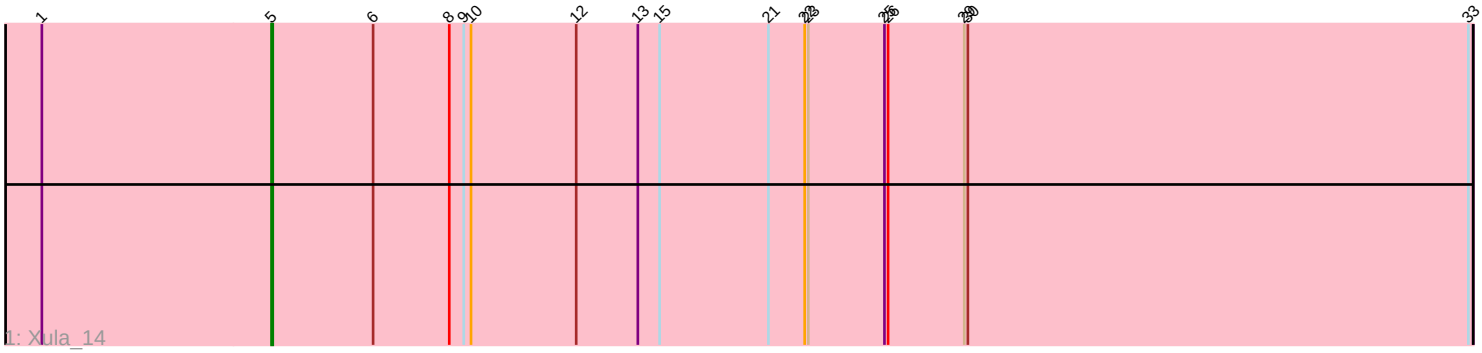
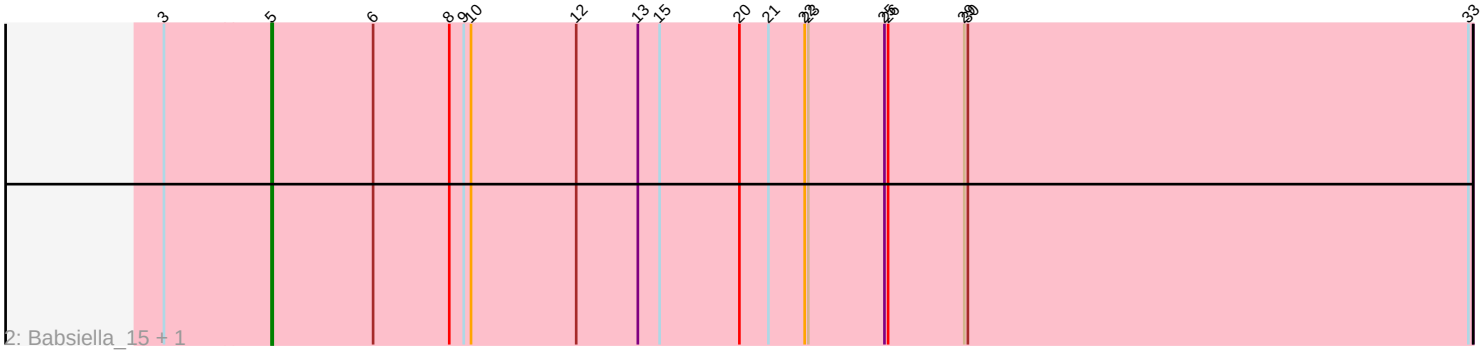
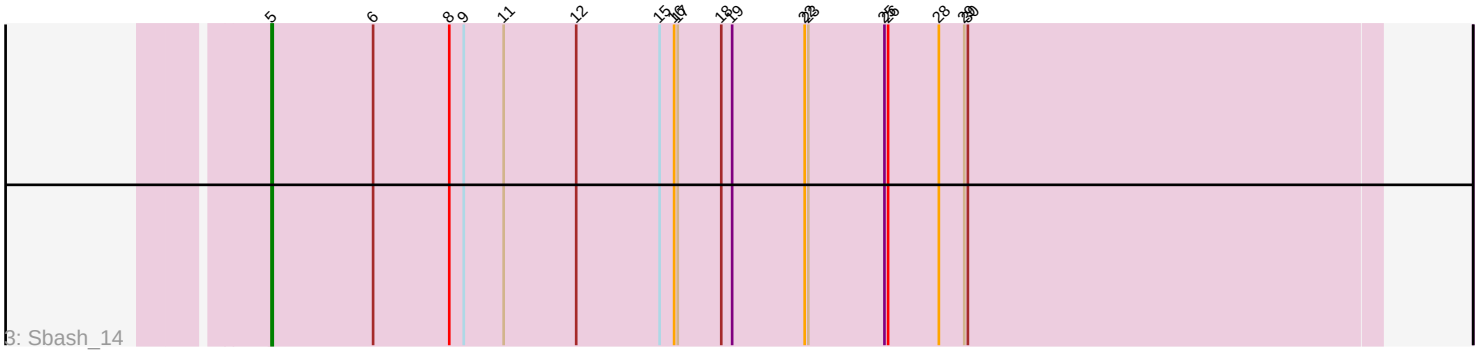
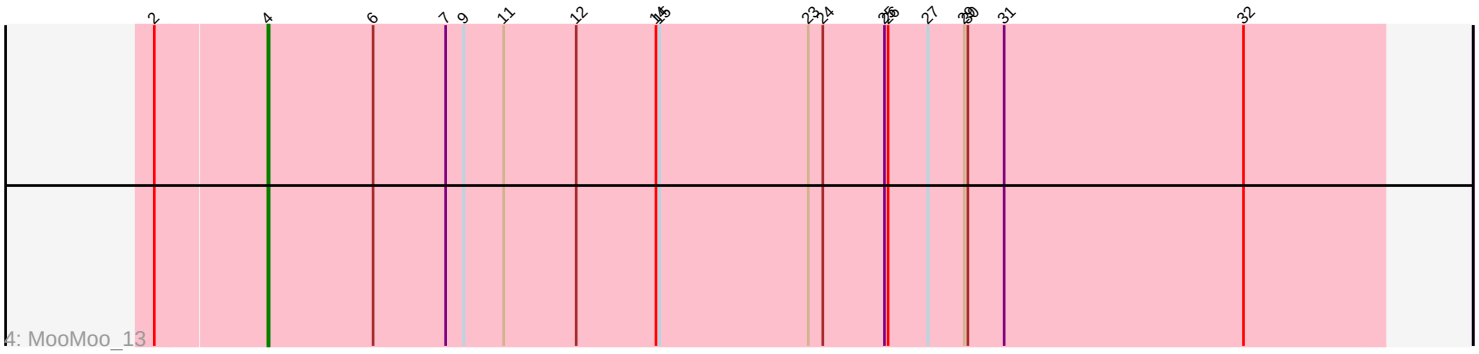
Pham 197250


1
5
6
8
9
10
12
13
15
21
33
1: Xula_14


3
5
6
8
9
10
12
13
15
20
21
33
2: Babsiella_15 + 1


5
6
8
9
11
12
28
3: Sbash_14


2
4
6
7
9
11
12
27
31
32
4: MooMoo_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 197250 Report

This analysis was run 12/09/24 on database version 580.

Pham number 197250 has 5 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Xula_14
• Track 2 : Babsiella_15, QueenHazel_15
• Track 3 : Sbash_14
• Track 4 : MooMoo_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 4 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Babsiella_15, QueenHazel_15, Sbash_14, Xula_14,

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

Genes that do not have the "Most Annotated" start:
• MooMoo_13,

Summary by start number:

Start 4:
• Found in 1 of 5 (20.0%) 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: MooMoo_13 (singleton),

Start 5:
• Found in 4 of 5 (80.0%) of genes in pham
• Manual Annotations of this start: 4 of 5
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Babsiella_15 (I1), QueenHazel_15 (I1), Sbash_14 (I2), Xula_14 (I1),

Summary by clusters:

There are 3 clusters represented in this pham: I1, singleton, I2,

Info for manual annotations of cluster I1:
•Start number 5 was manually annotated 3 times for cluster I1.

Info for manual annotations of cluster I2:
•Start number 5 was manually annotated 1 time for cluster I2.

Gene Information:

Gene: Babsiella_15 Start: 9775, Stop: 10768, Start Num: 5
Candidate Starts for Babsiella_15:
(3, 9688), (Start: 5 @9775 has 4 MA's), (6, 9859), (8, 9922), (9, 9934), (10, 9940), (12, 10027), (13, 10078), (15, 10096), (20, 10162), (21, 10186), (22, 10216), (23, 10219), (25, 10282), (26, 10285), (29, 10348), (30, 10351), (33, 10765),

Gene: MooMoo_13 Start: 8071, Stop: 8992, Start Num: 4
Candidate Starts for MooMoo_13:
(2, 7981), (Start: 4 @8071 has 1 MA's), (6, 8158), (7, 8218), (9, 8233), (11, 8266), (12, 8326), (14, 8392), (15, 8395), (23, 8518), (24, 8530), (25, 8581), (26, 8584), (27, 8617), (29, 8647), (30, 8650), (31, 8680), (32, 8878),

Gene: QueenHazel_15 Start: 9782, Stop: 10775, Start Num: 5
Candidate Starts for QueenHazel_15:
(3, 9695), (Start: 5 @9782 has 4 MA's), (6, 9866), (8, 9929), (9, 9941), (10, 9947), (12, 10034), (13, 10085), (15, 10103), (20, 10169), (21, 10193), (22, 10223), (23, 10226), (25, 10289), (26, 10292), (29, 10355), (30, 10358), (33, 10772),

Gene: Sbash_14 Start: 9346, Stop: 10261, Start Num: 5
Candidate Starts for Sbash_14:
(Start: 5 @9346 has 4 MA's), (6, 9430), (8, 9493), (9, 9505), (11, 9538), (12, 9598), (15, 9667), (16, 9679), (17, 9682), (18, 9718), (19, 9727), (22, 9787), (23, 9790), (25, 9853), (26, 9856), (28, 9898), (29, 9919), (30, 9922),

Gene: Xula_14 Start: 9411, Stop: 10404, Start Num: 5
Candidate Starts for Xula_14:
(1, 9222), (Start: 5 @9411 has 4 MA's), (6, 9495), (8, 9558), (9, 9570), (10, 9576), (12, 9663), (13, 9714), (15, 9732), (21, 9822), (22, 9852), (23, 9855), (25, 9918), (26, 9921), (29, 9984), (30, 9987), (33, 10401),