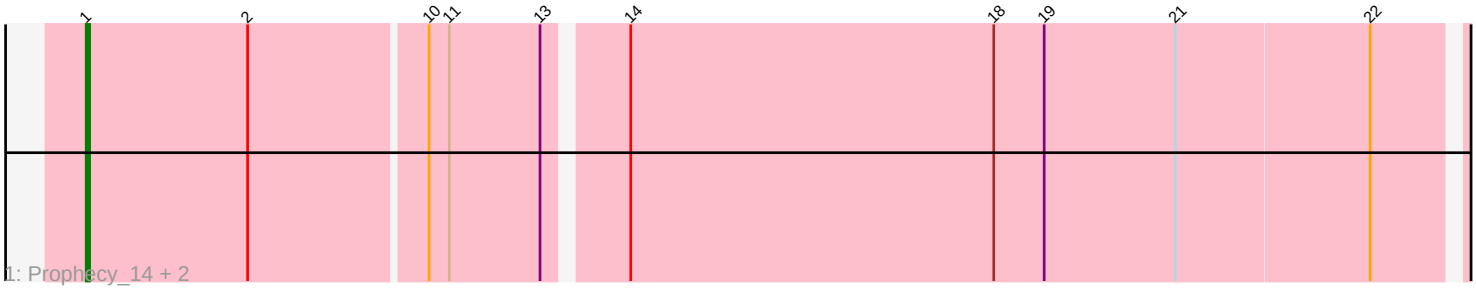
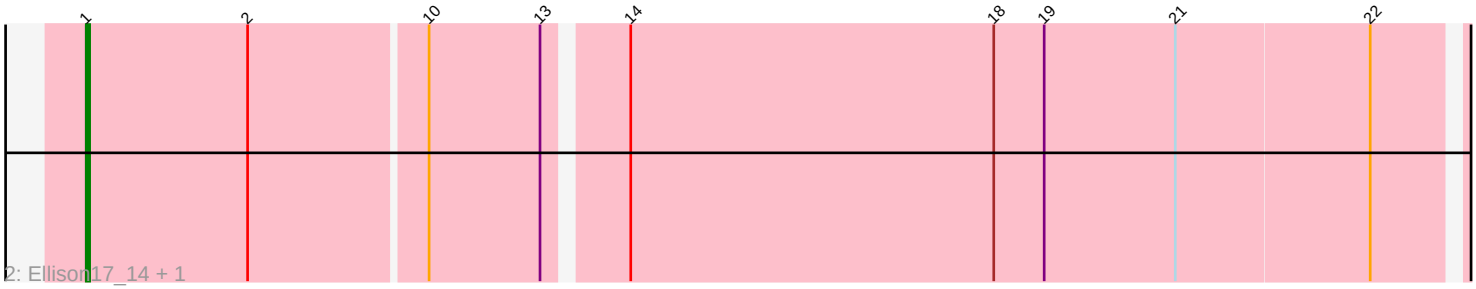
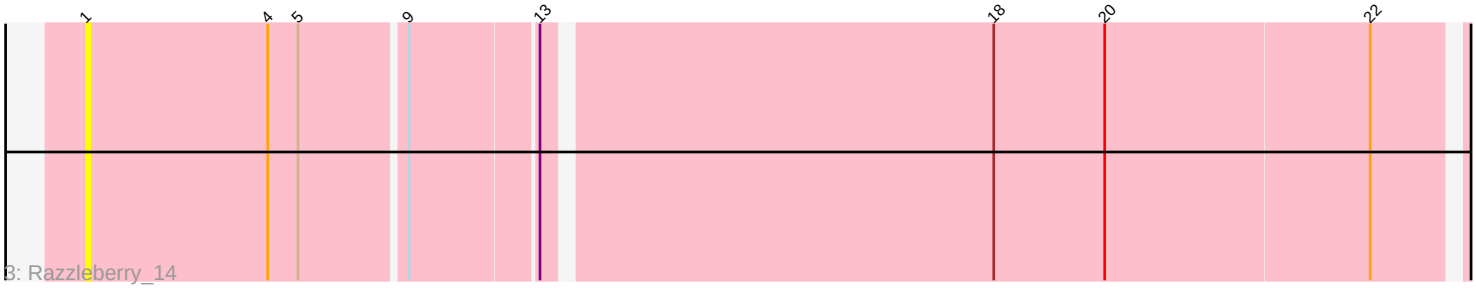
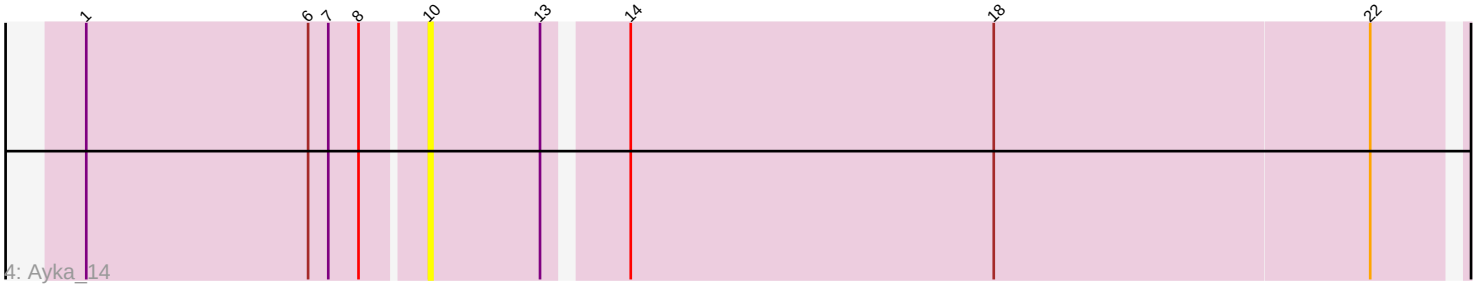
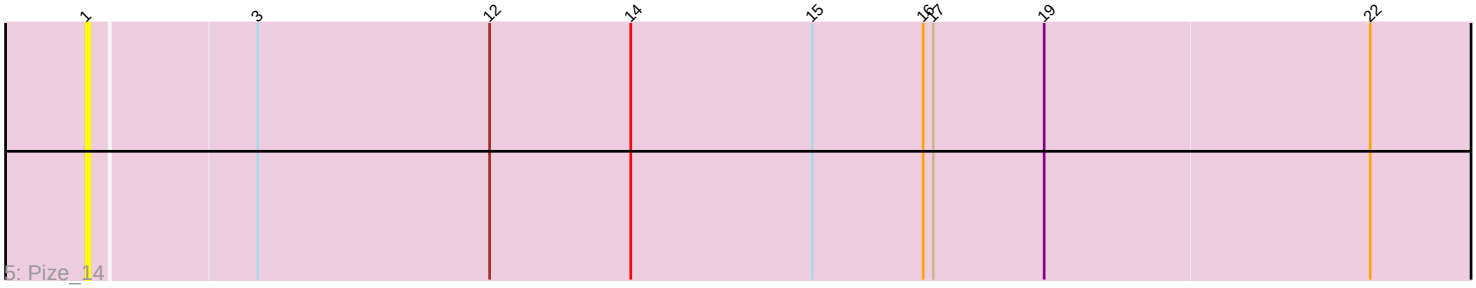
Pham 213306


1
2
10
11
13
14
18
19
21
22
1: Prophecy_14 + 2


1
2
10
13
14
18
19
21
22
2: Ellison17_14 + 1


1
4
5
9
13
18
20
22
3: Razzleberry_14


1
6
7
8
10
13
14
18
22
4: Ayka_14


1
3
12
14
15
16
17
19
22
5: Pize_14

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 213306 Report

This analysis was run 02/22/25 on database version 588.

Pham number 213306 has 8 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Prophecy_14, Mimi16_14, Grotle_14
• Track 2 : Ellison17_14, Momos_14
• Track 3 : Razzleberry_14
• Track 4 : Ayka_14
• Track 5 : Pize_14

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

The start number called the most often in the published annotations is 1, it was called in 5 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Ellison17_14, Grotle_14, Mimi16_14, Momos_14, Pize_14, Prophecy_14, Razzleberry_14,

Genes that have the "Most Annotated" start but do not call it:
• Ayka_14,

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

Summary by start number:

Start 1:
• Found in 8 of 8 (100.0%) of genes in pham
• Manual Annotations of this start: 5 of 5
• Called 87.5% of time when present
• Phage (with cluster) where this start called: Ellison17_14 (JB), Grotle_14 (JB), Mimi16_14 (JB), Momos_14 (JB), Pize_14 (UNK), Prophecy_14 (JB), Razzleberry_14 (JB),

Start 10:
• Found in 6 of 8 (75.0%) of genes in pham
• No Manual Annotations of this start.

• Called 16.7% of time when present
• Phage (with cluster) where this start called: Ayka_14 (UNK),

Summary by clusters:

There are 2 clusters represented in this pham: UNK, JB,

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

Gene Information:

Gene: Ayka_14 Start: 14816, Stop: 15136, Start Num: 10
Candidate Starts for Ayka_14:
(Start: 1 @14717 has 5 MA's), (6, 14783), (7, 14789), (8, 14798), (10, 14816), (13, 14849), (14, 14870), (18, 14978), (22, 15089),

Gene: Ellison17_14 Start: 14540, Stop: 14956, Start Num: 1
Candidate Starts for Ellison17_14:
(Start: 1 @14540 has 5 MA's), (2, 14588), (10, 14639), (13, 14672), (14, 14693), (18, 14801), (19, 14816), (21, 14855), (22, 14912),

Gene: Grotle_14 Start: 14499, Stop: 14915, Start Num: 1
Candidate Starts for Grotle_14:
(Start: 1 @14499 has 5 MA's), (2, 14547), (10, 14598), (11, 14604), (13, 14631), (14, 14652), (18, 14760), (19, 14775), (21, 14814), (22, 14871),

Gene: Mimi16_14 Start: 14550, Stop: 14966, Start Num: 1
Candidate Starts for Mimi16_14:
(Start: 1 @14550 has 5 MA's), (2, 14598), (10, 14649), (11, 14655), (13, 14682), (14, 14703), (18, 14811), (19, 14826), (21, 14865), (22, 14922),

Gene: Momos_14 Start: 14540, Stop: 14956, Start Num: 1
Candidate Starts for Momos_14:
(Start: 1 @14540 has 5 MA's), (2, 14588), (10, 14639), (13, 14672), (14, 14693), (18, 14801), (19, 14816), (21, 14855), (22, 14912),

Gene: Pize_14 Start: 14184, Stop: 14600, Start Num: 1
Candidate Starts for Pize_14:
(Start: 1 @14184 has 5 MA's), (3, 14232), (12, 14301), (14, 14343), (15, 14397), (16, 14430), (17, 14433), (19, 14466), (22, 14562),

Gene: Prophecy_14 Start: 14550, Stop: 14966, Start Num: 1
Candidate Starts for Prophecy_14:
(Start: 1 @14550 has 5 MA's), (2, 14598), (10, 14649), (11, 14655), (13, 14682), (14, 14703), (18, 14811), (19, 14826), (21, 14865), (22, 14922),

Gene: Razzleberry_14 Start: 14652, Stop: 15068, Start Num: 1
Candidate Starts for Razzleberry_14:

(Start: 1 @14652 has 5 MA's), (4, 14706), (5, 14715), (9, 14745), (13, 14781), (18, 14910), (20, 14943), (22, 15021),