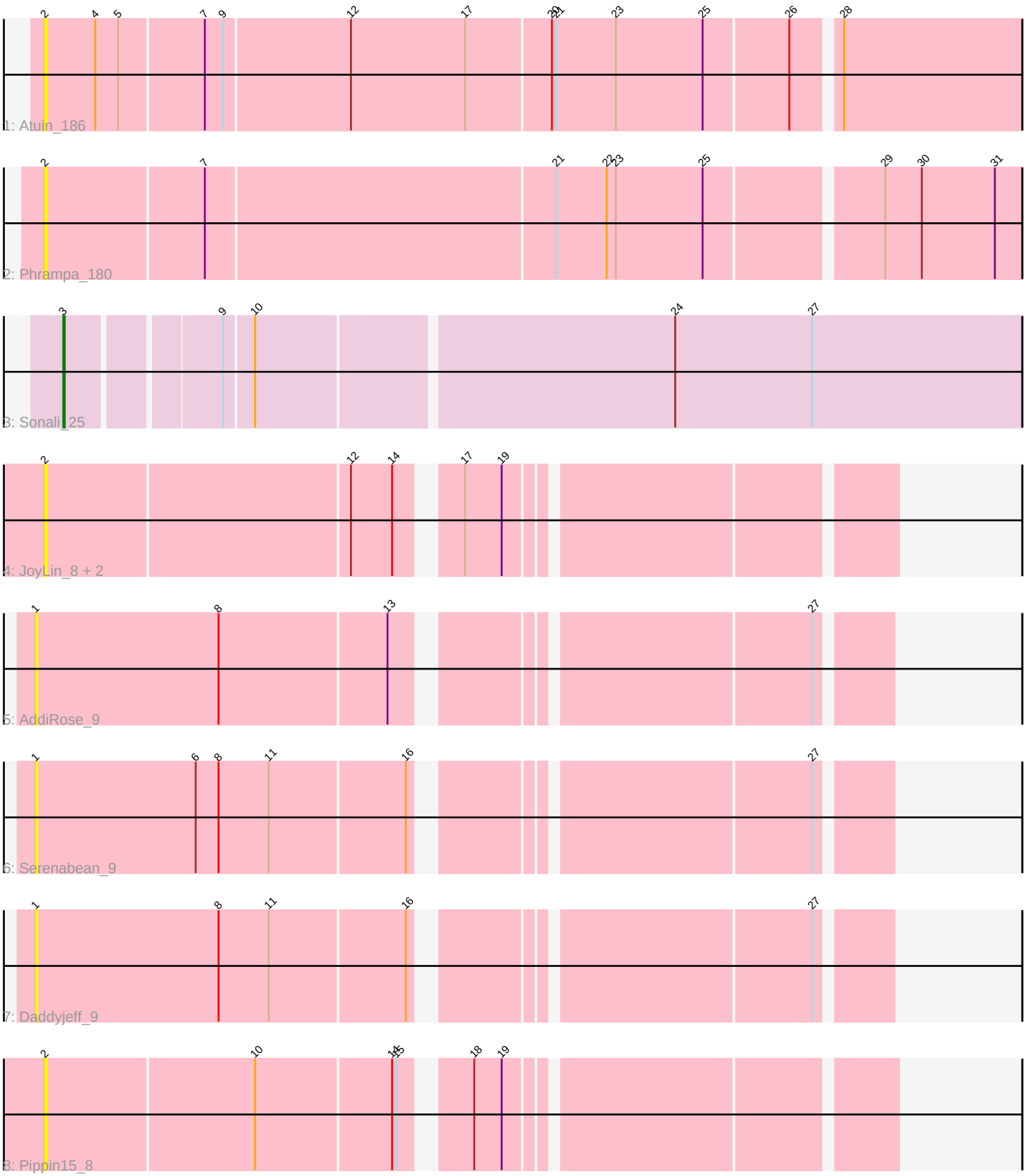
Pham 197066


2
4
5
7
9
12
17
20
21
23
25
26
28
1: Atuin_186
2
7
21
22
23
25
29
30
31
2: Phrampa_180
3
9
10
24
27
3: Sonali_25
2
12
14
17
19
4: JoyLin_8 + 2
1
8
13
27
5: AddiRose_9
1
6
8
11
16
27
6: Serenabean_9
1
8
11
16
27
7: Daddyjeff_9
2
10
14
15
18
19
8: Pippin15_8

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 197066 Report

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

Pham number 197066 has 10 members, 9 are drafts.

Phages represented in each track:
• Track 1 : Atuin_186
• Track 2 : Phrampa_180
• Track 3 : Sonali_25
• Track 4 : JoyLin_8, Yotsuba_8, Eevee_8
• Track 5 : AddiRose_9
• Track 6 : Serenabean_9
• Track 7 : Daddyjeff_9
• Track 8 : Pippin15_8

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

The start number called the most often in the published annotations is 3, it was called in 1 of the 1 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Sonali_25,

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

Genes that do not have the "Most Annotated" start:
• AddiRose_9, Atuin_186, Daddyjeff_9, Eevee_8, JoyLin_8, Phrampa_180, Pippin15_8, Serenabean_9, Yotsuba_8,

Summary by start number:

Start 1:
• Found in 3 of 10 (30.0%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AddiRose_9 (JA), Daddyjeff_9 (JA), Serenabean_9 (JA),

Start 2:

• Found in 6 of 10 (60.0%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Atuin_186 (FC), Eevee_8 (JA), JoyLin_8 (JA), Phrampa_180 (FC), Pippin15_8 (JA), Yotsuba_8 (JA),

Start 3:
• Found in 1 of 10 (10.0%) of genes in pham
• Manual Annotations of this start: 1 of 1
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Sonali_25 (FG),

Summary by clusters:

There are 3 clusters represented in this pham: FC, JA, FG,

Info for manual annotations of cluster FG:
•Start number 3 was manually annotated 1 time for cluster FG.

Gene Information:

Gene: AddiRose_9 Start: 3740, Stop: 4255, Start Num: 1
Candidate Starts for AddiRose_9:
(1, 3740), (8, 3860), (13, 3968), (27, 4211),

Gene: Atuin_186 Start: 125090, Stop: 125710, Start Num: 2
Candidate Starts for Atuin_186:
(2, 125090), (4, 125123), (5, 125138), (7, 125192), (9, 125204), (12, 125285), (17, 125360), (20, 125414), (21, 125417), (23, 125456), (25, 125513), (26, 125567), (28, 125594),

Gene: Daddyjeff_9 Start: 3739, Stop: 4254, Start Num: 1
Candidate Starts for Daddyjeff_9:
(1, 3739), (8, 3859), (11, 3892), (16, 3979), (27, 4210),

Gene: Eevee_8 Start: 3280, Stop: 3789, Start Num: 2
Candidate Starts for Eevee_8:
(2, 3280), (12, 3475), (14, 3502), (17, 3532), (19, 3556),

Gene: JoyLin_8 Start: 3280, Stop: 3789, Start Num: 2
Candidate Starts for JoyLin_8:
(2, 3280), (12, 3475), (14, 3502), (17, 3532), (19, 3556),

Gene: Phrampa_180 Start: 126734, Stop: 127354, Start Num: 2
Candidate Starts for Phrampa_180:
(2, 126734), (7, 126836), (21, 127061), (22, 127094), (23, 127100), (25, 127157), (29, 127265), (30, 127289), (31, 127337),

Gene: Pippin15_8 Start: 3295, Stop: 3804, Start Num: 2
Candidate Starts for Pippin15_8:

(2, 3295), (10, 3430), (14, 3517), (15, 3520), (18, 3553), (19, 3571),

Gene: Serenabean_9 Start: 3739, Stop: 4254, Start Num: 1
Candidate Starts for Serenabean_9:
(1, 3739), (6, 3844), (8, 3859), (11, 3892), (16, 3979), (27, 4210),

Gene: Sonali_25 Start: 24493, Stop: 25095, Start Num: 3
Candidate Starts for Sonali_25:
(Start: 3 @24493 has 1 MA's), (9, 24586), (10, 24604), (24, 24868), (27, 24958),

Gene: Yotsuba_8 Start: 3280, Stop: 3789, Start Num: 2
Candidate Starts for Yotsuba_8:
(2, 3280), (12, 3475), (14, 3502), (17, 3532), (19, 3556),