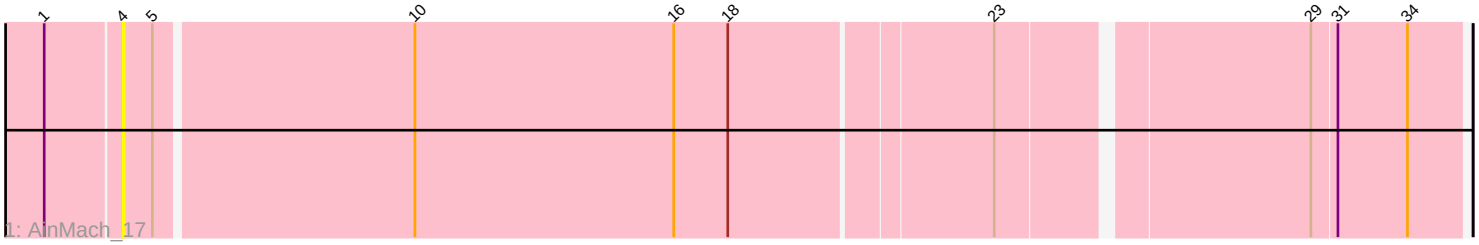
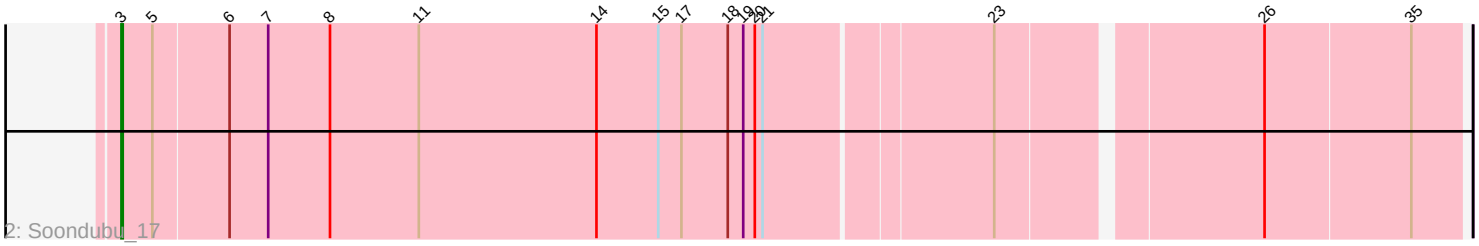
Pham 216845


1
4
5
10
16
18
23
29
31
34
1: AinMach_17


3
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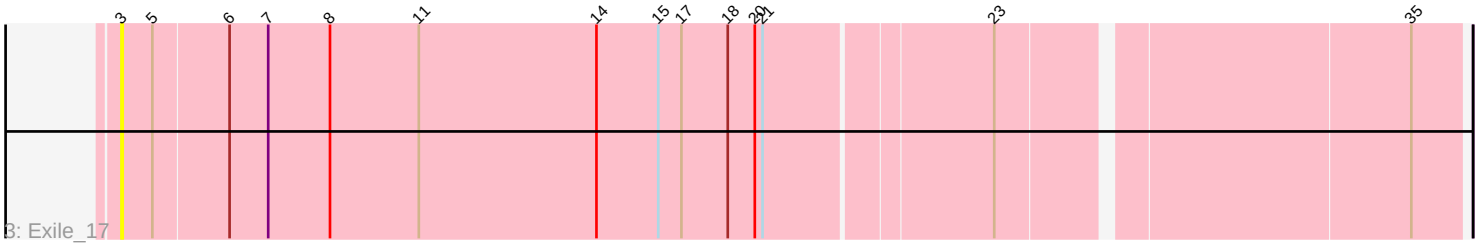
2: Soondubu_17


3
5
6
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17
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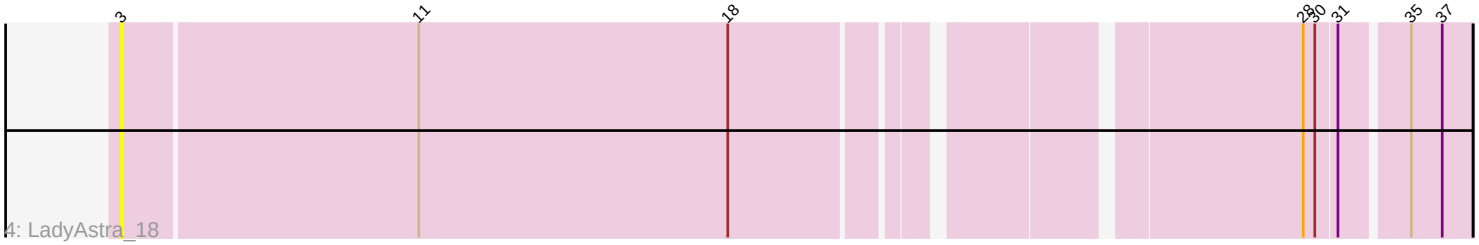
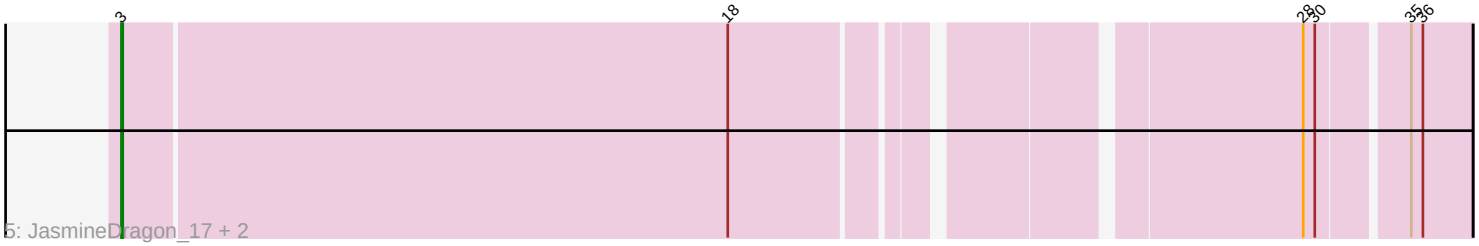
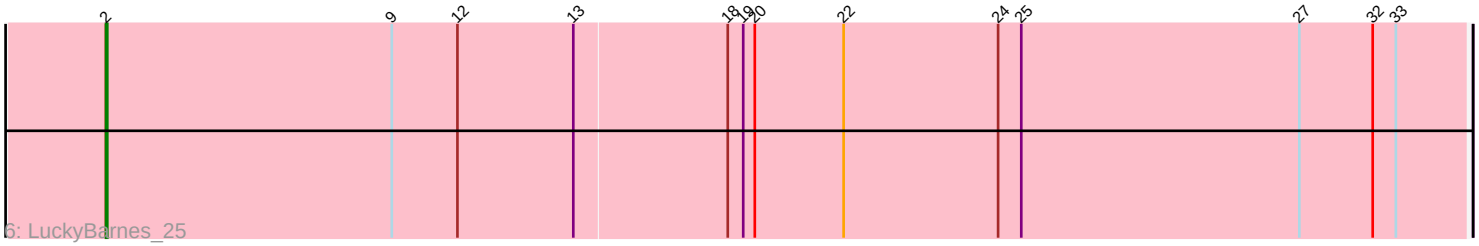
21
23
35
3: Exile_17


3
11
18
28
30
31
35
37
4: LadyAstra_18


3
18
28
30
35
36
5: JasmineDragon_17 + 2


2
9
12
13
18
19
20
22
24
25
27
32
33
6: LuckyBarnes_25

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 216845 Report

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

Pham number 216845 has 8 members, 5 are drafts.

Phages represented in each track:
• Track 1 : AinMach_17
• Track 2 : Soondubu_17
• Track 3 : Exile_17
• Track 4 : LadyAstra_18
• Track 5 : JasmineDragon_17, MiniMommy_17, ShakeItOph_18
• Track 6 : LuckyBarnes_25

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

Genes that call this "Most Annotated" start:
• Exile_17, JasmineDragon_17, LadyAstra_18, MiniMommy_17, ShakeItOph_18, Soondubu_17,

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

Genes that do not have the "Most Annotated" start:
• AinMach_17, LuckyBarnes_25,

Summary by start number:

Start 2:
• Found in 1 of 8 (12.5%) of genes in pham
• Manual Annotations of this start: 1 of 3
• Called 100.0% of time when present
• Phage (with cluster) where this start called: LuckyBarnes_25 (singleton),

Start 3:
• Found in 6 of 8 (75.0%) of genes in pham
• Manual Annotations of this start: 2 of 3
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Exile_17 (AZ), JasmineDragon_17 (AZ4), LadyAstra_18 (AZ4), MiniMommy_17 (AZ4), ShakeItOph_18 (AZ4), Soondubu_17 (AZ),

Start 4:
• Found in 1 of 8 (12.5%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AinMach_17 (AZ),

Summary by clusters:

There are 3 clusters represented in this pham: singleton, AZ, AZ4,

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

Info for manual annotations of cluster AZ4:
•Start number 3 was manually annotated 1 time for cluster AZ4.

Gene Information:

Gene: AinMach_17 Start: 13100, Stop: 14092, Start Num: 4
Candidate Starts for AinMach_17:
(1, 13043), (4, 13100), (5, 13121), (10, 13316), (16, 13517), (18, 13559), (23, 13754), (29, 13979), (31, 13997), (34, 14051),

Gene: Exile_17 Start: 14567, Stop: 15568, Start Num: 3
Candidate Starts for Exile_17:
(Start: 3 @14567 has 2 MA's), (5, 14591), (6, 14648), (7, 14678), (8, 14726), (11, 14795), (14, 14933), (15, 14981), (17, 14999), (18, 15035), (20, 15056), (21, 15062), (23, 15230), (35, 15530),

Gene: JasmineDragon_17 Start: 12097, Stop: 13074, Start Num: 3
Candidate Starts for JasmineDragon_17:
(Start: 3 @12097 has 2 MA's), (18, 12562), (28, 12955), (30, 12964), (35, 13027), (36, 13036),

Gene: LadyAstra_18 Start: 12099, Stop: 13076, Start Num: 3
Candidate Starts for LadyAstra_18:
(Start: 3 @12099 has 2 MA's), (11, 12324), (18, 12564), (28, 12957), (30, 12966), (31, 12981), (35, 13029), (37, 13053),

Gene: LuckyBarnes_25 Start: 20888, Stop: 21940, Start Num: 2
Candidate Starts for LuckyBarnes_25:
(Start: 2 @20888 has 1 MA's), (9, 21110), (12, 21161), (13, 21251), (18, 21368), (19, 21380), (20, 21389), (22, 21458), (24, 21578), (25, 21596), (27, 21812), (32, 21869), (33, 21887),

Gene: MiniMommy_17 Start: 12098, Stop: 13075, Start Num: 3
Candidate Starts for MiniMommy_17:
(Start: 3 @12098 has 2 MA's), (18, 12563), (28, 12956), (30, 12965), (35, 13028), (36, 13037),

Gene: ShakeItOph_18 Start: 12097, Stop: 13074, Start Num: 3

Candidate Starts for ShakeItOph_18:
(Start: 3 @12097 has 2 MA's), (18, 12562), (28, 12955), (30, 12964), (35, 13027), (36, 13036),

Gene: Soondubu_17 Start: 14575, Stop: 15576, Start Num: 3
Candidate Starts for Soondubu_17:
(Start: 3 @14575 has 2 MA's), (5, 14599), (6, 14656), (7, 14686), (8, 14734), (11, 14803), (14, 14941), (15, 14989), (17, 15007), (18, 15043), (19, 15055), (20, 15064), (21, 15070), (23, 15238), (26, 15427), (35, 15538),