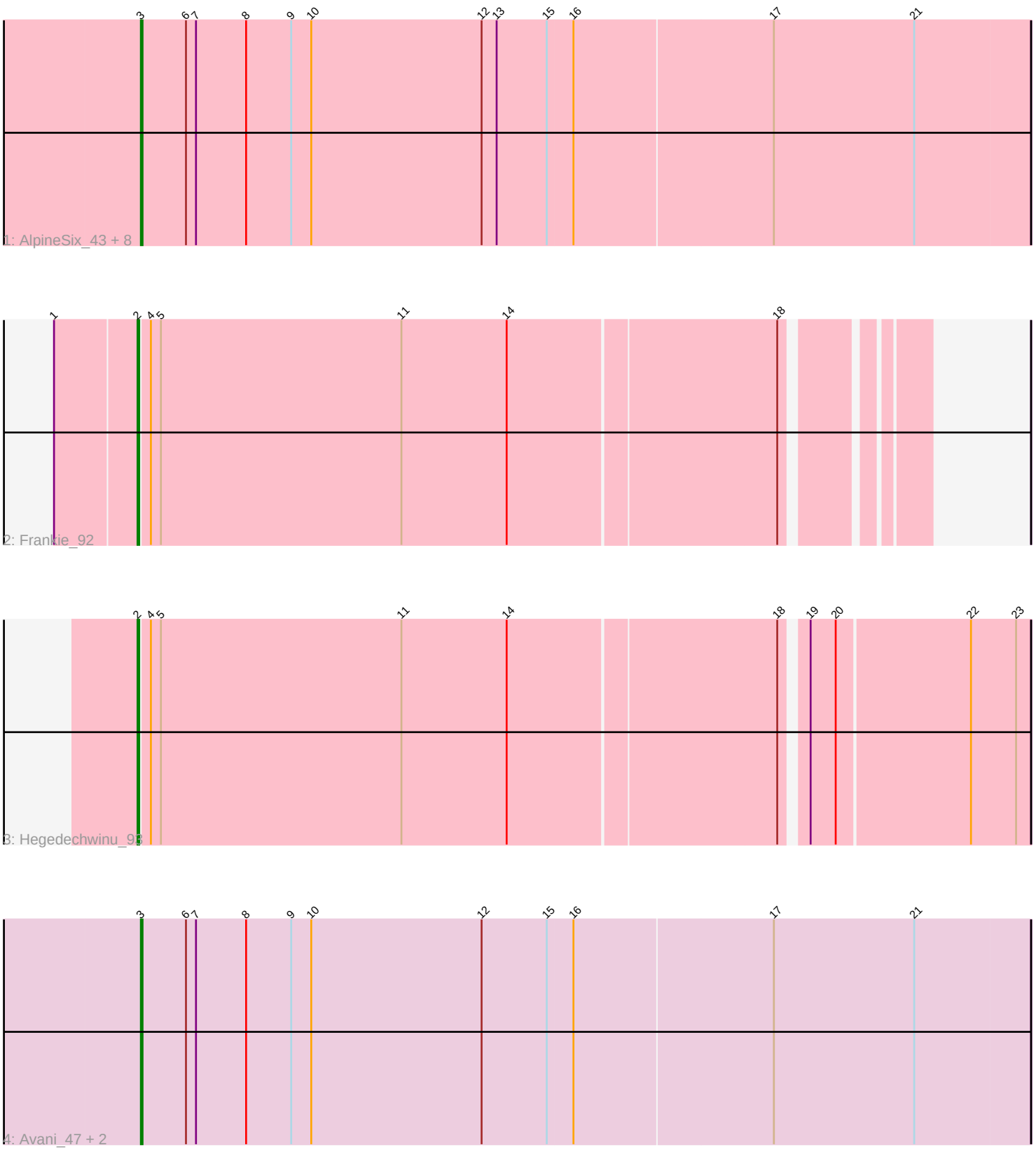
Pham 348156


3
6
7
8
9
10
12
13
15
16
17
21
1: AlpineSix_43 + 8
1
2
4
5
11
14
18
2: Frankie_92
2
4
5
11
14
18
19
20
22
23
3: Hegedechwinu_93
3
6
7
8
9
10
12
15
16
17
21
4: Avani_47 + 2

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 348156 Report

This analysis was run 11/14/26 on database version 672.

Pham number 348156 has 14 members, 0 are drafts.

Phages represented in each track:
• Track 1 : AlpineSix_43, Ochi17_41, OfUltron_43, Modragons_42, Jinglebell_42, Oksu_43, Nichirin_43, Llama_43, Seabastian_43
• Track 2 : Frankie_92
• Track 3 : Hegedechwinu_93
• Track 4 : Avani_47, Chevrolet_47, ArcusAngelus_44

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 12 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AlpineSix_43, ArcusAngelus_44, Avani_47, Chevrolet_47, Jinglebell_42, Llama_43, Modragons_42, Nichirin_43, Ochi17_41, OfUltron_43, Oksu_43, Seabastian_43,

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

Genes that do not have the "Most Annotated" start:
• Frankie_92, Hegedechwinu_93,

Summary by start number:

Start 2:
• Found in 2 of 14 (14.3%) of genes in pham
• Manual Annotations of this start: 2 of 14
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Frankie_92 (F1), Hegedechwinu_93 (F1),

Start 3:
• Found in 12 of 14 (85.7%) of genes in pham
• Manual Annotations of this start: 12 of 14
• Called 100.0% of time when present

• Phage (with cluster) where this start called: AlpineSix_43 (F1), ArcusAngelus_44 (F1), Avani_47 (F2), Chevrolet_47 (F1), Jinglebell_42 (F1), Llama_43 (F1), Modragons_42 (F1), Nichirin_43 (F1), Ochi17_41 (F1), OfUltron_43 (F1), Oksu_43 (F1), Seabastian_43 (F1),

Summary by clusters:

There are 2 clusters represented in this pham: F1, F2,

Info for manual annotations of cluster F1:
•Start number 2 was manually annotated 2 times for cluster F1.
•Start number 3 was manually annotated 11 times for cluster F1.

Info for manual annotations of cluster F2:
•Start number 3 was manually annotated 1 time for cluster F2.

Gene Information:

Gene: AlpineSix_43 Start: 32568, Stop: 32041, Start Num: 3
Candidate Starts for AlpineSix_43:
(Start: 3 @32568 has 12 MA's), (6, 32541), (7, 32535), (8, 32505), (9, 32478), (10, 32466), (12, 32364), (13, 32355), (15, 32325), (16, 32310), (17, 32193), (21, 32109),

Gene: ArcusAngelus_44 Start: 33602, Stop: 33075, Start Num: 3
Candidate Starts for ArcusAngelus_44:
(Start: 3 @33602 has 12 MA's), (6, 33575), (7, 33569), (8, 33539), (9, 33512), (10, 33500), (12, 33398), (15, 33359), (16, 33344), (17, 33227), (21, 33143),

Gene: Avani_47 Start: 31403, Stop: 30876, Start Num: 3
Candidate Starts for Avani_47:
(Start: 3 @31403 has 12 MA's), (6, 31376), (7, 31370), (8, 31340), (9, 31313), (10, 31301), (12, 31199), (15, 31160), (16, 31145), (17, 31028), (21, 30944),

Gene: Chevrolet_47 Start: 33603, Stop: 33076, Start Num: 3
Candidate Starts for Chevrolet_47:
(Start: 3 @33603 has 12 MA's), (6, 33576), (7, 33570), (8, 33540), (9, 33513), (10, 33501), (12, 33399), (15, 33360), (16, 33345), (17, 33228), (21, 33144),

Gene: Frankie_92 Start: 51409, Stop: 51855, Start Num: 2
Candidate Starts for Frankie_92:
(1, 51361), (Start: 2 @51409 has 2 MA's), (4, 51415), (5, 51421), (11, 51565), (14, 51628), (18, 51784),

Gene: Hegedechwinu_93 Start: 50606, Stop: 51121, Start Num: 2
Candidate Starts for Hegedechwinu_93:
(Start: 2 @50606 has 2 MA's), (4, 50612), (5, 50618), (11, 50762), (14, 50825), (18, 50981), (19, 50993), (20, 51008), (22, 51086), (23, 51113),

Gene: Jinglebell_42 Start: 32567, Stop: 32040, Start Num: 3
Candidate Starts for Jinglebell_42:
(Start: 3 @32567 has 12 MA's), (6, 32540), (7, 32534), (8, 32504), (9, 32477), (10, 32465), (12, 32363), (13, 32354), (15, 32324), (16, 32309), (17, 32192), (21, 32108),

Gene: Llama_43 Start: 32565, Stop: 32038, Start Num: 3
Candidate Starts for Llama_43:
(Start: 3 @32565 has 12 MA's), (6, 32538), (7, 32532), (8, 32502), (9, 32475), (10, 32463), (12, 32361), (13, 32352), (15, 32322), (16, 32307), (17, 32190), (21, 32106),

Gene: Modragons_42 Start: 32411, Stop: 31884, Start Num: 3
Candidate Starts for Modragons_42:
(Start: 3 @32411 has 12 MA's), (6, 32384), (7, 32378), (8, 32348), (9, 32321), (10, 32309), (12, 32207), (13, 32198), (15, 32168), (16, 32153), (17, 32036), (21, 31952),

Gene: Nichirin_43 Start: 32595, Stop: 32068, Start Num: 3
Candidate Starts for Nichirin_43:
(Start: 3 @32595 has 12 MA's), (6, 32568), (7, 32562), (8, 32532), (9, 32505), (10, 32493), (12, 32391), (13, 32382), (15, 32352), (16, 32337), (17, 32220), (21, 32136),

Gene: Ochi17_41 Start: 32018, Stop: 31491, Start Num: 3
Candidate Starts for Ochi17_41:
(Start: 3 @32018 has 12 MA's), (6, 31991), (7, 31985), (8, 31955), (9, 31928), (10, 31916), (12, 31814), (13, 31805), (15, 31775), (16, 31760), (17, 31643), (21, 31559),

Gene: OfUltron_43 Start: 32567, Stop: 32040, Start Num: 3
Candidate Starts for OfUltron_43:
(Start: 3 @32567 has 12 MA's), (6, 32540), (7, 32534), (8, 32504), (9, 32477), (10, 32465), (12, 32363), (13, 32354), (15, 32324), (16, 32309), (17, 32192), (21, 32108),

Gene: Oksu_43 Start: 32411, Stop: 31884, Start Num: 3
Candidate Starts for Oksu_43:
(Start: 3 @32411 has 12 MA's), (6, 32384), (7, 32378), (8, 32348), (9, 32321), (10, 32309), (12, 32207), (13, 32198), (15, 32168), (16, 32153), (17, 32036), (21, 31952),

Gene: Seabastian_43 Start: 32567, Stop: 32040, Start Num: 3
Candidate Starts for Seabastian_43:
(Start: 3 @32567 has 12 MA's), (6, 32540), (7, 32534), (8, 32504), (9, 32477), (10, 32465), (12, 32363), (13, 32354), (15, 32324), (16, 32309), (17, 32192), (21, 32108),