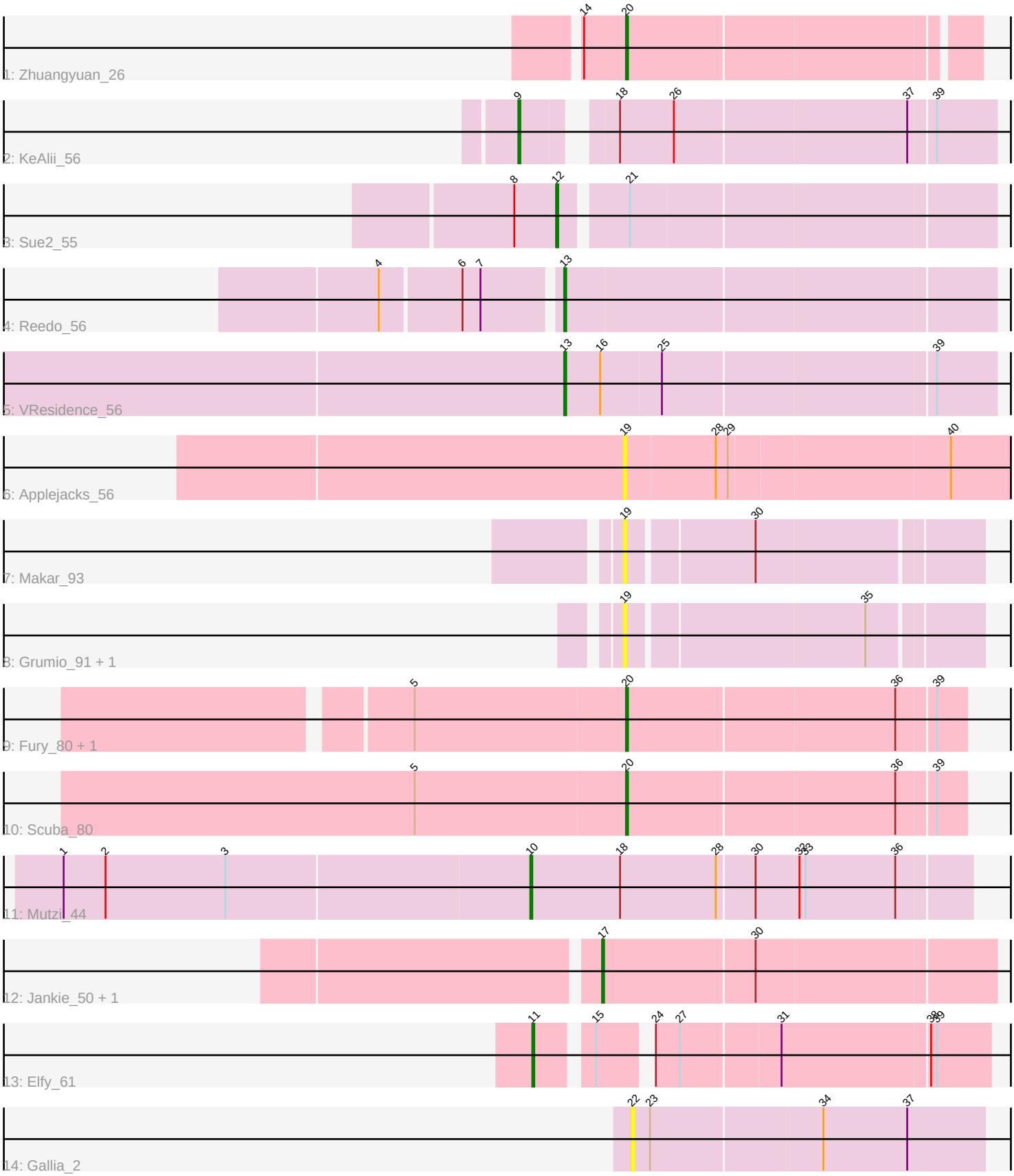
Pham 348109


14
20
1: Zhuangyuan_26
9
18
26
37
39
2: KeAlii_56
8
12
21
3: Sue2_55
4
6
7
13
4: Reedo_56
13
16
25
39
5: VResidence_56
19
28
29
40
6: Applejacks_56
19
30
7: Makar_93
19
35
8: Grumio_91 + 1
5
20
36
39
9: Fury_80 + 1
5
20
36
39
10: Scuba_80
1
2
3
10
18
28
30
32
33
36
11: Mutzi_44
17
30
12: Jankie_50 + 1
11
15
24
27
31
38
39
13: Elfy_61
22
23
34
37
14: Gallia_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 348109 Report

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

Pham number 348109 has 17 members, 5 are drafts.

Phages represented in each track:
• Track 1 : Zhuangyuan_26
• Track 2 : KeAlii_56
• Track 3 : Sue2_55
• Track 4 : Reedo_56
• Track 5 : VResidence_56
• Track 6 : Applejacks_56
• Track 7 : Makar_93
• Track 8 : Grumio_91, Purplicious_90
• Track 9 : Fury_80, Pleakley_80
• Track 10 : Scuba_80
• Track 11 : Mutzi_44
• Track 12 : Jankie_50, GrimEater_49
• Track 13 : Elfy_61
• Track 14 : Gallia_2

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

The start number called the most often in the published annotations is 20, it was called in 4 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Fury_80, Pleakley_80, Scuba_80, Zhuangyuan_26,

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

Genes that do not have the "Most Annotated" start:
• Applejacks_56, Elfy_61, Gallia_2, GrimEater_49, Grumio_91, Jankie_50, KeAlii_56, Makar_93, Mutzi_44, Purplicious_90, Reedo_56, Sue2_55, VResidence_56,

Summary by start number:

Start 9:
• Found in 1 of 17 (5.9%) of genes in pham

• Manual Annotations of this start: 1 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: KeAlii_56 (AZ1),

Start 10:
• Found in 1 of 17 (5.9%) of genes in pham
• Manual Annotations of this start: 1 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Mutzi_44 (DC1),

Start 11:
• Found in 1 of 17 (5.9%) of genes in pham
• Manual Annotations of this start: 1 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Elfy_61 (FP),

Start 12:
• Found in 1 of 17 (5.9%) of genes in pham
• Manual Annotations of this start: 1 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Sue2_55 (AZ1),

Start 13:
• Found in 2 of 17 (11.8%) of genes in pham
• Manual Annotations of this start: 2 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Reedo_56 (AZ1), VResidence_56 (AZ1),

Start 17:
• Found in 2 of 17 (11.8%) of genes in pham
• Manual Annotations of this start: 2 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: GrimEater_49 (FP), Jankie_50 (FP),

Start 19:
• Found in 4 of 17 (23.5%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Applejacks_56 (CD), Grumio_91 (CP), Makar_93 (CP), Purplicious_90 (CP),

Start 20:
• Found in 4 of 17 (23.5%) of genes in pham
• Manual Annotations of this start: 4 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Fury_80 (CR5), Pleakley_80 (CR5), Scuba_80 (CR5), Zhuangyuan_26 (AS2),

Start 22:
• Found in 1 of 17 (5.9%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Gallia_2 (singleton),

Summary by clusters:

There are 8 clusters represented in this pham: FP, AS2, singleton, CR5, CD, AZ1, CP, DC1,

Info for manual annotations of cluster AS2:
•Start number 20 was manually annotated 1 time for cluster AS2.

Info for manual annotations of cluster AZ1:
•Start number 9 was manually annotated 1 time for cluster AZ1.
•Start number 12 was manually annotated 1 time for cluster AZ1.
•Start number 13 was manually annotated 2 times for cluster AZ1.

Info for manual annotations of cluster CR5:
•Start number 20 was manually annotated 3 times for cluster CR5.

Info for manual annotations of cluster DC1:
•Start number 10 was manually annotated 1 time for cluster DC1.

Info for manual annotations of cluster FP:
•Start number 11 was manually annotated 1 time for cluster FP.
•Start number 17 was manually annotated 2 times for cluster FP.

Gene Information:

Gene: Applejacks_56 Start: 39175, Stop: 38951, Start Num: 19
Candidate Starts for Applejacks_56:
(19, 39175), (28, 39130), (29, 39124), (40, 39016),

Gene: Elfy_61 Start: 37931, Stop: 38137, Start Num: 11
Candidate Starts for Elfy_61:
(Start: 11 @37931 has 1 MA's), (15, 37955), (24, 37976), (27, 37988), (31, 38036), (38, 38108), (39, 38111),

Gene: Fury_80 Start: 53905, Stop: 53741, Start Num: 20
Candidate Starts for Fury_80:
(5, 54010), (Start: 20 @53905 has 4 MA's), (36, 53773), (39, 53755),

Gene: Gallia_2 Start: 751, Stop: 924, Start Num: 22
Candidate Starts for Gallia_2:
(22, 751), (23, 760), (34, 844), (37, 886),

Gene: GrimEater_49 Start: 35180, Stop: 35371, Start Num: 17
Candidate Starts for GrimEater_49:
(Start: 17 @35180 has 2 MA's), (30, 35255),

Gene: Grumio_91 Start: 56786, Stop: 56953, Start Num: 19
Candidate Starts for Grumio_91:

(19, 56786), (35, 56900),

Gene: Jankie_50 Start: 35359, Stop: 35550, Start Num: 17
Candidate Starts for Jankie_50:
(Start: 17 @35359 has 2 MA's), (30, 35434),

Gene: KeAlii_56 Start: 38432, Stop: 38650, Start Num: 9
Candidate Starts for KeAlii_56:
(Start: 9 @38432 has 1 MA's), (18, 38468), (26, 38495), (37, 38609), (39, 38621),

Gene: Makar_93 Start: 56890, Stop: 57057, Start Num: 19
Candidate Starts for Makar_93:
(19, 56890), (30, 56950),

Gene: Mutzi_44 Start: 37917, Stop: 38132, Start Num: 10
Candidate Starts for Mutzi_44:
(1, 37686), (2, 37707), (3, 37767), (Start: 10 @37917 has 1 MA's), (18, 37962), (28, 38010), (30, 38028), (32, 38049), (33, 38052), (36, 38097),

Gene: Pleakley_80 Start: 53906, Stop: 53742, Start Num: 20
Candidate Starts for Pleakley_80:
(5, 54011), (Start: 20 @53906 has 4 MA's), (36, 53774), (39, 53756),

Gene: Purplicious_90 Start: 56551, Stop: 56718, Start Num: 19
Candidate Starts for Purplicious_90:
(19, 56551), (35, 56665),

Gene: Reedo_56 Start: 36712, Stop: 36921, Start Num: 13
Candidate Starts for Reedo_56:
(4, 36628), (6, 36667), (7, 36676), (Start: 13 @36712 has 2 MA's),

Gene: Scuba_80 Start: 53961, Stop: 53797, Start Num: 20
Candidate Starts for Scuba_80:
(5, 54066), (Start: 20 @53961 has 4 MA's), (36, 53829), (39, 53811),

Gene: Sue2_55 Start: 38279, Stop: 38485, Start Num: 12
Candidate Starts for Sue2_55:
(8, 38258), (Start: 12 @38279 has 1 MA's), (21, 38309),

Gene: VResidence_56 Start: 37677, Stop: 37886, Start Num: 13
Candidate Starts for VResidence_56:
(Start: 13 @37677 has 2 MA's), (16, 37695), (25, 37725), (39, 37857),

Gene: Zhuangyuan_26 Start: 19118, Stop: 18951, Start Num: 20
Candidate Starts for Zhuangyuan_26:
(14, 19139), (Start: 20 @19118 has 4 MA's),