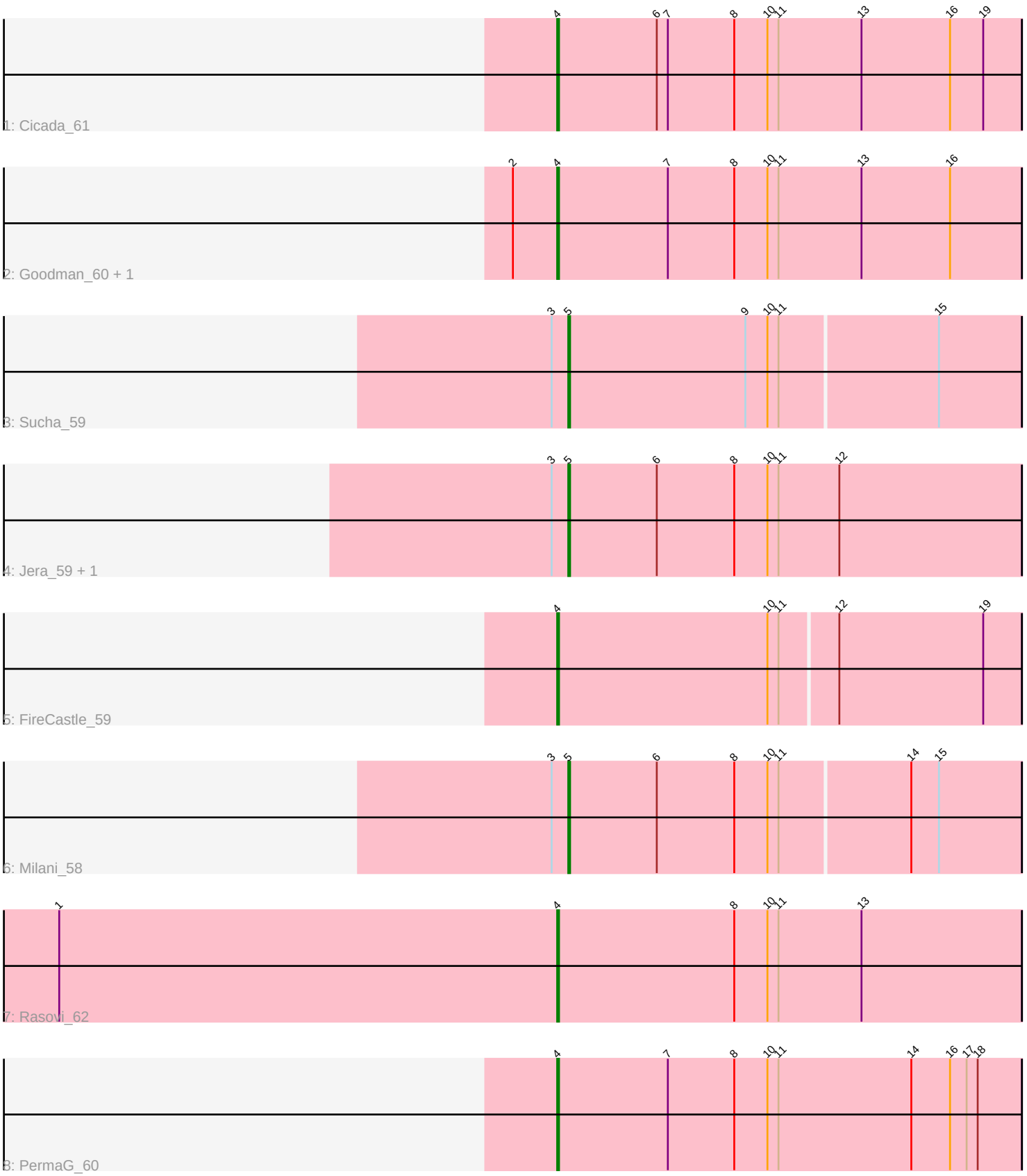
Pham 87874


4
6
7
8
10
11
13
16
19
1: Cicada_61
2
4
7
8
10
11
13
16
2: Goodman_60 + 1
3
5
9
10
11
15
3: Sucha_59
3
5
6
8
10
11
12
4: Jera_59 + 1
4
10
11
12
19
5: FireCastle_59
3
5
6
8
10
11
14
15
6: Milani_58
1
4
8
10
11
13
7: Rasovi_62
4
7
8
10
11
14
16
17
18
8: PermaG_60

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 87874 Report

This analysis was run 04/28/24 on database version 559.

Pham number 87874 has 10 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Cicada_61
• Track 2 : Goodman_60, Johann_60
• Track 3 : Sucha_59
• Track 4 : Jera_59, TurboVicky_59
• Track 5 : FireCastle_59
• Track 6 : Milani_58
• Track 7 : Rasovi_62
• Track 8 : PermaG_60

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

The start number called the most often in the published annotations is 4, it was called in 6 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Cicada_61, FireCastle_59, Goodman_60, Johann_60, PermaG_60, Rasovi_62,

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

Genes that do not have the "Most Annotated" start:
• Jera_59, Milani_58, Sucha_59, TurboVicky_59,

Summary by start number:

Start 4:
• Found in 6 of 10 (60.0%) of genes in pham
• Manual Annotations of this start: 6 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Cicada_61 (EJ), FireCastle_59 (EJ), Goodman_60 (EJ), Johann_60 (EJ), PermaG_60 (EJ), Rasovi_62 (EJ),

Start 5:
• Found in 4 of 10 (40.0%) of genes in pham

• Manual Annotations of this start: 4 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Jera_59 (EJ), Milani_58 (EJ), Sucha_59 (EJ), TurboVicky_59 (EJ),

Summary by clusters:

There is one cluster represented in this pham: EJ

Info for manual annotations of cluster EJ:
•Start number 4 was manually annotated 6 times for cluster EJ.
•Start number 5 was manually annotated 4 times for cluster EJ.

Gene Information:

Gene: Cicada_61 Start: 41158, Stop: 41409, Start Num: 4
Candidate Starts for Cicada_61:
(Start: 4 @41158 has 6 MA's), (6, 41212), (7, 41218), (8, 41254), (10, 41272), (11, 41278), (13, 41323), (16, 41371), (19, 41389),

Gene: FireCastle_59 Start: 41789, Stop: 42037, Start Num: 4
Candidate Starts for FireCastle_59:
(Start: 4 @41789 has 6 MA's), (10, 41903), (11, 41909), (12, 41939), (19, 42017),

Gene: Goodman_60 Start: 41171, Stop: 41422, Start Num: 4
Candidate Starts for Goodman_60:
(2, 41147), (Start: 4 @41171 has 6 MA's), (7, 41231), (8, 41267), (10, 41285), (11, 41291), (13, 41336), (16, 41384),

Gene: Jera_59 Start: 39858, Stop: 40103, Start Num: 5
Candidate Starts for Jera_59:
(3, 39849), (Start: 5 @39858 has 4 MA's), (6, 39906), (8, 39948), (10, 39966), (11, 39972), (12, 40005),

Gene: Johann_60 Start: 41171, Stop: 41422, Start Num: 4
Candidate Starts for Johann_60:
(2, 41147), (Start: 4 @41171 has 6 MA's), (7, 41231), (8, 41267), (10, 41285), (11, 41291), (13, 41336), (16, 41384),

Gene: Milani_58 Start: 40924, Stop: 41166, Start Num: 5
Candidate Starts for Milani_58:
(3, 40915), (Start: 5 @40924 has 4 MA's), (6, 40972), (8, 41014), (10, 41032), (11, 41038), (14, 41107), (15, 41122),

Gene: PermaG_60 Start: 41096, Stop: 41347, Start Num: 4
Candidate Starts for PermaG_60:
(Start: 4 @41096 has 6 MA's), (7, 41156), (8, 41192), (10, 41210), (11, 41216), (14, 41288), (16, 41309), (17, 41318), (18, 41324),

Gene: Rasovi_62 Start: 41745, Stop: 41996, Start Num: 4
Candidate Starts for Rasovi_62:

(1, 41475), (Start: 4 @41745 has 6 MA's), (8, 41841), (10, 41859), (11, 41865), (13, 41910),

Gene: Sucha_59 Start: 40351, Stop: 40593, Start Num: 5
Candidate Starts for Sucha_59:
(3, 40342), (Start: 5 @40351 has 4 MA's), (9, 40447), (10, 40459), (11, 40465), (15, 40549),

Gene: TurboVicky_59 Start: 41120, Stop: 41365, Start Num: 5
Candidate Starts for TurboVicky_59:
(3, 41111), (Start: 5 @41120 has 4 MA's), (6, 41168), (8, 41210), (10, 41228), (11, 41234), (12, 41267),