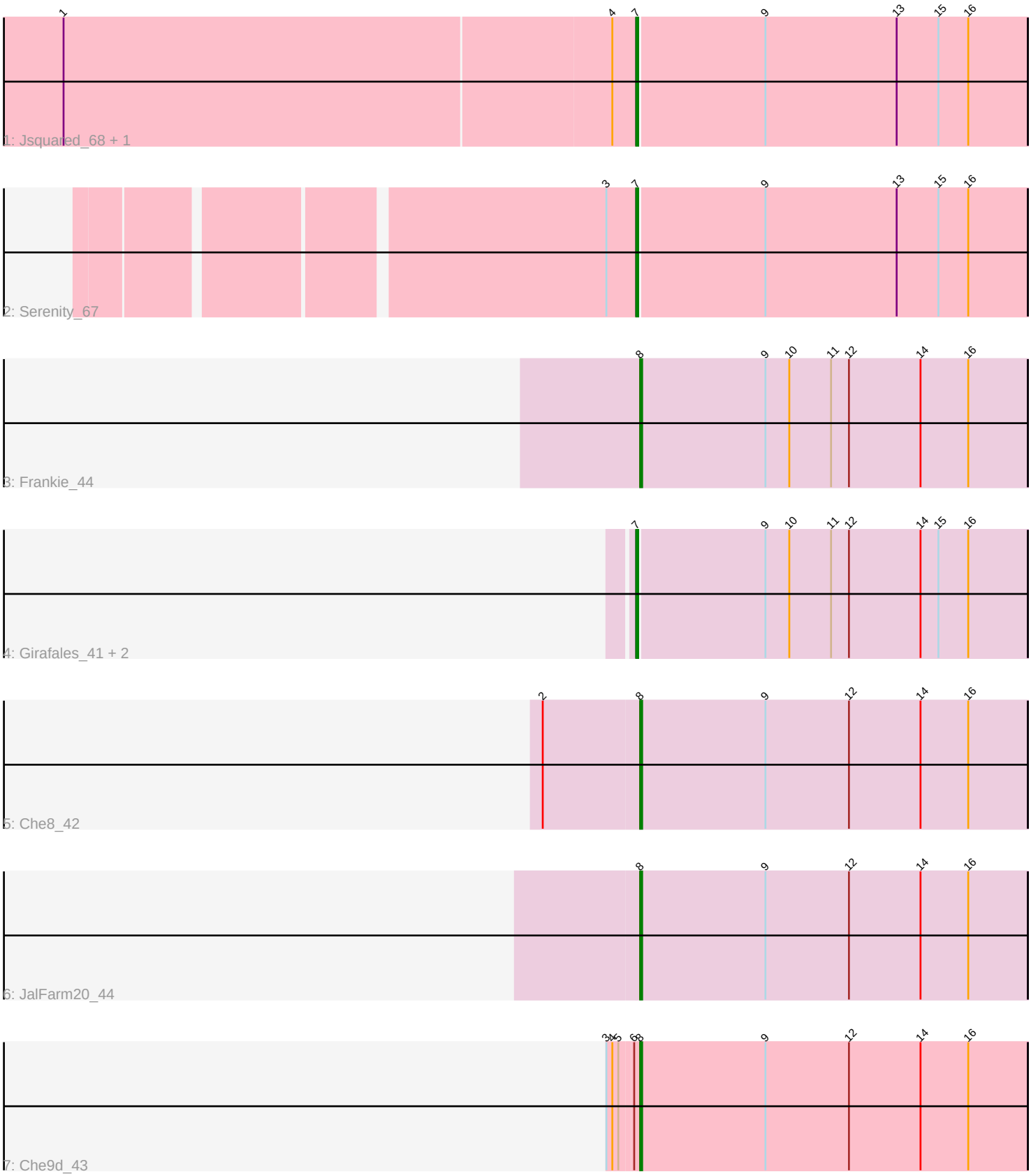
Pham 158369


1
4
7
9
13
15
16
1: Jsquared_68 + 1
3
7
9
13
15
16
2: Serenity_67
8
9
10
11
12
14
16
3: Frankie_44
7
9
10
11
12
14
15
16
4: Girafales_41 + 2
2
8
9
12
14
16
5: Che8_42
8
9
12
14
16
6: JalFarm20_44
9
12
14
16
7: Che9d_43

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 158369 Report

This analysis was run 04/13/24 on database version 558.

Pham number 158369 has 10 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Jsquared_68, TipsytheTRex_64
• Track 2 : Serenity_67
• Track 3 : Frankie_44
• Track 4 : Girafales_41, Florinda_42, Quico_41
• Track 5 : Che8_42
• Track 6 : JalFarm20_44
• Track 7 : Che9d_43

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

The start number called the most often in the published annotations is 7, it was called in 6 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Florinda_42, Girafales_41, Jsquared_68, Quico_41, Serenity_67, TipsytheTRex_64,

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

Genes that do not have the "Most Annotated" start:
• Che8_42, Che9d_43, Frankie_44, JalFarm20_44,

Summary by start number:

Start 7:
• 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: Florinda_42 (F1), Girafales_41 (F1), Jsquared_68 (A2), Quico_41 (F1), Serenity_67 (A2), TipsytheTRex_64 (A2),

Start 8:
• 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: Che8_42 (F1), Che9d_43 (F2), Frankie_44 (F1), JalFarm20_44 (F1),

Summary by clusters:

There are 3 clusters represented in this pham: F1, F2, A2,

Info for manual annotations of cluster A2:
•Start number 7 was manually annotated 3 times for cluster A2.

Info for manual annotations of cluster F1:
•Start number 7 was manually annotated 3 times for cluster F1.
•Start number 8 was manually annotated 3 times for cluster F1.

Info for manual annotations of cluster F2:
•Start number 8 was manually annotated 1 time for cluster F2.

Gene Information:

Gene: Che8_42 Start: 31949, Stop: 31755, Start Num: 8
Candidate Starts for Che8_42:
(2, 31997), (Start: 8 @31949 has 4 MA's), (9, 31886), (12, 31844), (14, 31808), (16, 31784),

Gene: Che9d_43 Start: 30062, Stop: 29868, Start Num: 8
Candidate Starts for Che9d_43:
(3, 30077), (4, 30074), (5, 30071), (6, 30065), (Start: 8 @30062 has 4 MA's), (9, 29999), (12, 29957), (14, 29921), (16, 29897),

Gene: Florinda_42 Start: 31393, Stop: 31199, Start Num: 7
Candidate Starts for Florinda_42:
(Start: 7 @31393 has 6 MA's), (9, 31330), (10, 31318), (11, 31297), (12, 31288), (14, 31252), (15, 31243), (16, 31228),

Gene: Frankie_44 Start: 32444, Stop: 32250, Start Num: 8
Candidate Starts for Frankie_44:
(Start: 8 @32444 has 4 MA's), (9, 32381), (10, 32369), (11, 32348), (12, 32339), (14, 32303), (16, 32279),

Gene: Girafales_41 Start: 31201, Stop: 31007, Start Num: 7
Candidate Starts for Girafales_41:
(Start: 7 @31201 has 6 MA's), (9, 31138), (10, 31126), (11, 31105), (12, 31096), (14, 31060), (15, 31051), (16, 31036),

Gene: JalFarm20_44 Start: 32757, Stop: 32563, Start Num: 8
Candidate Starts for JalFarm20_44:
(Start: 8 @32757 has 4 MA's), (9, 32694), (12, 32652), (14, 32616), (16, 32592),

Gene: Jsquared_68 Start: 40310, Stop: 40116, Start Num: 7
Candidate Starts for Jsquared_68:

(1, 40595), (4, 40322), (Start: 7 @40310 has 6 MA's), (9, 40247), (13, 40181), (15, 40160), (16, 40145),

Gene: Quico_41 Start: 31201, Stop: 31007, Start Num: 7
Candidate Starts for Quico_41:
(Start: 7 @31201 has 6 MA's), (9, 31138), (10, 31126), (11, 31105), (12, 31096), (14, 31060), (15, 31051), (16, 31036),

Gene: Serenity_67 Start: 40282, Stop: 40088, Start Num: 7
Candidate Starts for Serenity_67:
(3, 40297), (Start: 7 @40282 has 6 MA's), (9, 40219), (13, 40153), (15, 40132), (16, 40117),

Gene: TipsytheTRex_64 Start: 40352, Stop: 40158, Start Num: 7
Candidate Starts for TipsytheTRex_64:
(1, 40637), (4, 40364), (Start: 7 @40352 has 6 MA's), (9, 40289), (13, 40223), (15, 40202), (16, 40187),