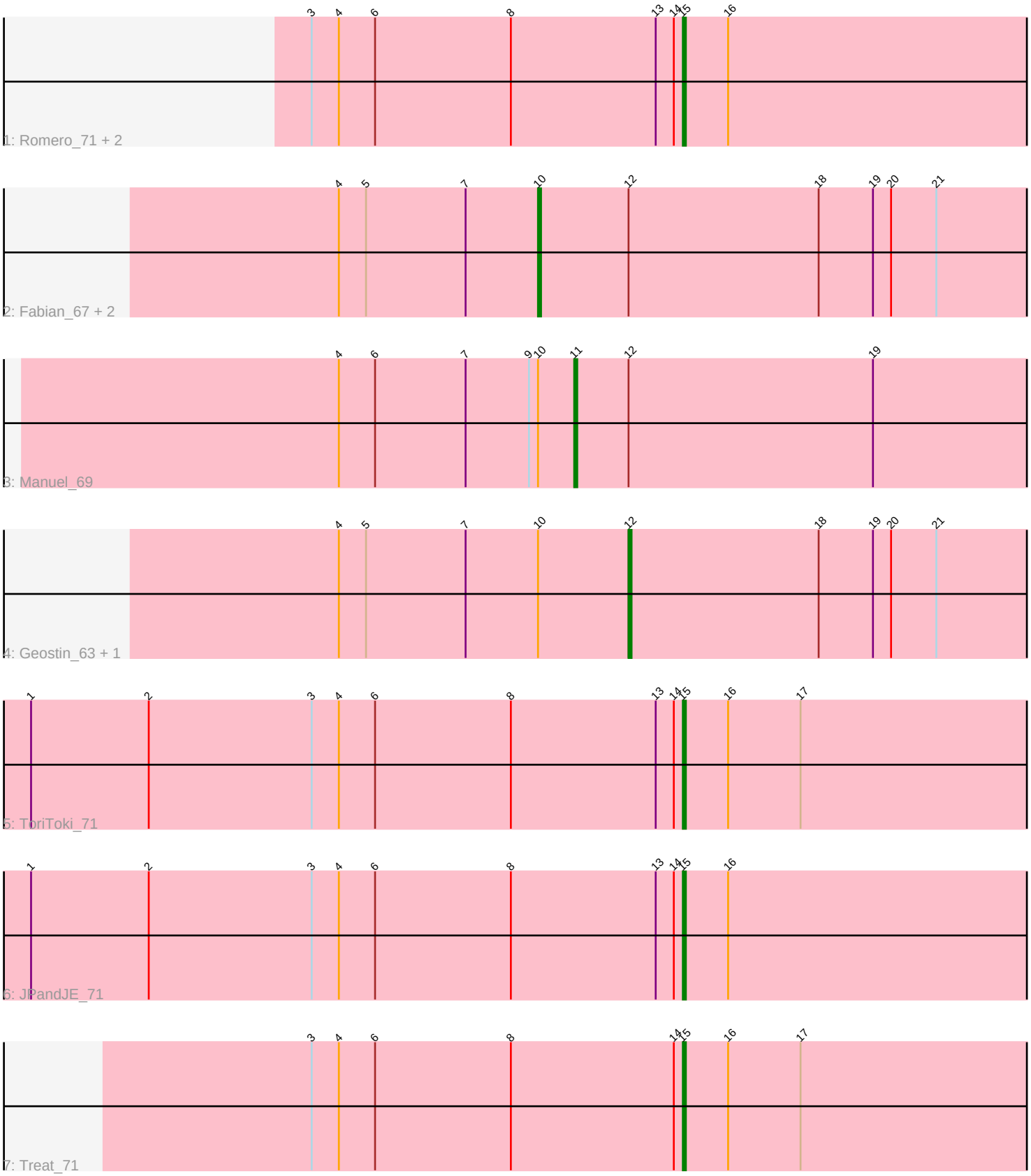
Pham 87259


3
4
6
8
13
14
15
16
1: Romero_71 + 2
4
5
7
10
12
18
19
20
21
2: Fabian_67 + 2
4
6
7
9
10
11
12
19
3: Manuel_69
4
5
7
10
12
18
19
20
21
4: Geostin_63 + 1
1
2
3
4
6
8
13
14
15
16
17
5: ToriToki_71
1
2
3
4
6
8
13
14
15
16
6: JPandJE_71
3
4
6
8
14
15
16
17
7: Treat_71

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 87259 Report

This analysis was run 04/05/24 on database version 557.

Pham number 87259 has 12 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Romero_71, Olicious_71, HaugeAnator_71
• Track 2 : Fabian_67, RetrieverFever_68, Vorvolakos_69
• Track 3 : Manuel_69
• Track 4 : Geostin_63, FlowerPower_68
• Track 5 : ToriToki_71
• Track 6 : JPandJE_71
• Track 7 : Treat_71

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

The start number called the most often in the published annotations is 15, it was called in 6 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• HaugeAnator_71, JPandJE_71, Olicious_71, Romero_71, ToriToki_71, Treat_71,

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

Genes that do not have the "Most Annotated" start:
• Fabian_67, FlowerPower_68, Geostin_63, Manuel_69, RetrieverFever_68, Vorvolakos_69,

Summary by start number:

Start 10:
• Found in 6 of 12 (50.0%) of genes in pham
• Manual Annotations of this start: 3 of 12
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Fabian_67 (BF), RetrieverFever_68 (BF), Vorvolakos_69 (BF),

Start 11:
• Found in 1 of 12 (8.3%) 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: Manuel_69 (BF),

Start 12:
• Found in 6 of 12 (50.0%) of genes in pham
• Manual Annotations of this start: 2 of 12
• Called 33.3% of time when present
• Phage (with cluster) where this start called: FlowerPower_68 (BF), Geostin_63 (BF),

Start 15:
• Found in 6 of 12 (50.0%) of genes in pham
• Manual Annotations of this start: 6 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: HaugeAnator_71 (BF), JPandJE_71 (BF), Olicious_71 (BF), Romero_71 (BF), ToriToki_71 (BF), Treat_71 (BF),

Summary by clusters:

There is one cluster represented in this pham: BF

Info for manual annotations of cluster BF:
•Start number 10 was manually annotated 3 times for cluster BF.
•Start number 11 was manually annotated 1 time for cluster BF.
•Start number 12 was manually annotated 2 times for cluster BF.
•Start number 15 was manually annotated 6 times for cluster BF.

Gene Information:

Gene: Fabian_67 Start: 36839, Stop: 36672, Start Num: 10
Candidate Starts for Fabian_67:
(4, 36905), (5, 36896), (7, 36863), (Start: 10 @36839 has 3 MA's), (Start: 12 @36809 has 2 MA's), (18, 36746), (19, 36728), (20, 36722), (21, 36707),

Gene: FlowerPower_68 Start: 36479, Stop: 36342, Start Num: 12
Candidate Starts for FlowerPower_68:
(4, 36575), (5, 36566), (7, 36533), (Start: 10 @36509 has 3 MA's), (Start: 12 @36479 has 2 MA's), (18, 36416), (19, 36398), (20, 36392), (21, 36377),

Gene: Geostin_63 Start: 36479, Stop: 36342, Start Num: 12
Candidate Starts for Geostin_63:
(4, 36575), (5, 36566), (7, 36533), (Start: 10 @36509 has 3 MA's), (Start: 12 @36479 has 2 MA's), (18, 36416), (19, 36398), (20, 36392), (21, 36377),

Gene: HaugeAnator_71 Start: 37043, Stop: 36921, Start Num: 15
Candidate Starts for HaugeAnator_71:
(3, 37166), (4, 37157), (6, 37145), (8, 37100), (13, 37052), (14, 37046), (Start: 15 @37043 has 6 MA's), (16, 37028),

Gene: JPandJE_71 Start: 37568, Stop: 37446, Start Num: 15
Candidate Starts for JPandJE_71:

(1, 37784), (2, 37745), (3, 37691), (4, 37682), (6, 37670), (8, 37625), (13, 37577), (14, 37571), (Start: 15 @37568 has 6 MA's), (16, 37553),

Gene: Manuel_69 Start: 36710, Stop: 36549, Start Num: 11
Candidate Starts for Manuel_69:
(4, 36788), (6, 36776), (7, 36746), (9, 36725), (Start: 10 @36722 has 3 MA's), (Start: 11 @36710 has 1 MA's), (Start: 12 @36692 has 2 MA's), (19, 36611),

Gene: Olicious_71 Start: 37046, Stop: 36924, Start Num: 15
Candidate Starts for Olicious_71:
(3, 37169), (4, 37160), (6, 37148), (8, 37103), (13, 37055), (14, 37049), (Start: 15 @37046 has 6 MA's), (16, 37031),

Gene: RetrieverFever_68 Start: 36509, Stop: 36342, Start Num: 10
Candidate Starts for RetrieverFever_68:
(4, 36575), (5, 36566), (7, 36533), (Start: 10 @36509 has 3 MA's), (Start: 12 @36479 has 2 MA's), (18, 36416), (19, 36398), (20, 36392), (21, 36377),

Gene: Romero_71 Start: 37039, Stop: 36917, Start Num: 15
Candidate Starts for Romero_71:
(3, 37162), (4, 37153), (6, 37141), (8, 37096), (13, 37048), (14, 37042), (Start: 15 @37039 has 6 MA's), (16, 37024),

Gene: ToriToki_71 Start: 37042, Stop: 36920, Start Num: 15
Candidate Starts for ToriToki_71:
(1, 37258), (2, 37219), (3, 37165), (4, 37156), (6, 37144), (8, 37099), (13, 37051), (14, 37045), (Start: 15 @37042 has 6 MA's), (16, 37027), (17, 37003),

Gene: Treat_71 Start: 36923, Stop: 36801, Start Num: 15
Candidate Starts for Treat_71:
(3, 37046), (4, 37037), (6, 37025), (8, 36980), (14, 36926), (Start: 15 @36923 has 6 MA's), (16, 36908), (17, 36884),

Gene: Vorvolakos_69 Start: 36508, Stop: 36341, Start Num: 10
Candidate Starts for Vorvolakos_69:
(4, 36574), (5, 36565), (7, 36532), (Start: 10 @36508 has 3 MA's), (Start: 12 @36478 has 2 MA's), (18, 36415), (19, 36397), (20, 36391), (21, 36376),