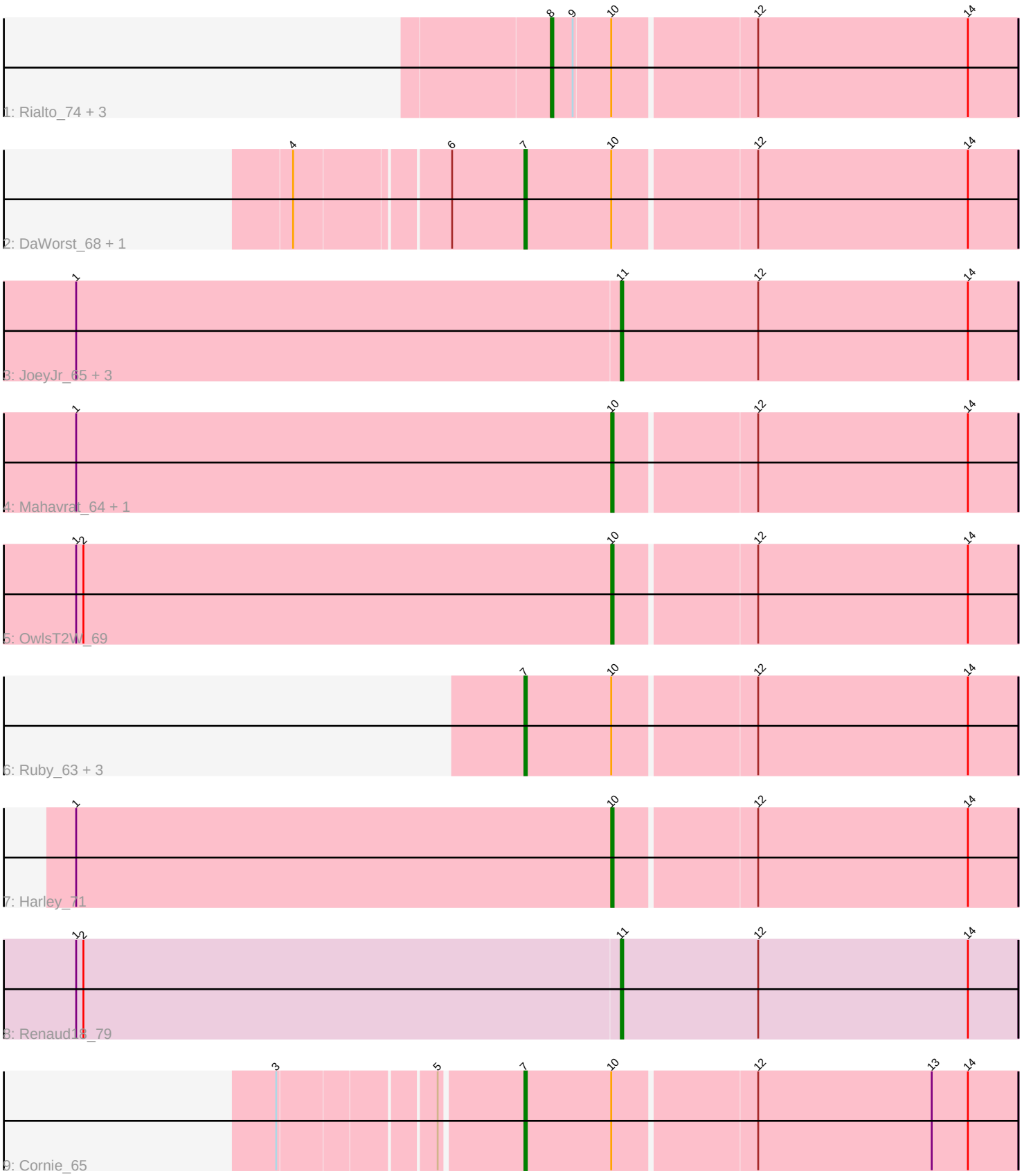
Pham 291562


8
9
10
12
14
1: Rialto_74 + 3
4
6
7
10
12
14
2: DaWorst_68 + 1
1
11
12
14
3: JoeyJr_65 + 3
1
10
12
14
4: Mahavrat_64 + 1
1
2
10
12
14
5: OwlsT2W_69
7
10
12
14
6: Ruby_63 + 3
1
10
12
14
7: Harley_71
1
2
11
12
14
8: Renaud18_79
3
5
7
10
12
13
14
9: Cornie_65

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 291562 Report

This analysis was run 03/28/26 on database version 641.

Pham number 291562 has 20 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Rialto_74, Peridot_69, Slim_71, Emmaloid_71
• Track 2 : DaWorst_68, Beanstalk_66
• Track 3 : JoeyJr_65, Daenerys_64, PHappiness_65, Spoonbill_68
• Track 4 : Mahavrat_64, Grimmer_77
• Track 5 : OwlsT2W_69
• Track 6 : Ruby_63, Girr_65, MisterCuddles_65, Alexphander_71
• Track 7 : Harley_71
• Track 8 : Renaud18_79
• Track 9 : Cornie_65

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 17 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Alexphander_71, Beanstalk_66, Cornie_65, DaWorst_68, Girr_65, MisterCuddles_65, Ruby_63,

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

Genes that do not have the "Most Annotated" start:
• Daenerys_64, Emmaloid_71, Grimmer_77, Harley_71, JoeyJr_65, Mahavrat_64, OwlsT2W_69, PHappiness_65, Peridot_69, Renaud18_79, Rialto_74, Slim_71, Spoonbill_68,

Summary by start number:

Start 7:
• Found in 7 of 20 (35.0%) of genes in pham
• Manual Annotations of this start: 6 of 17
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Alexphander_71 (F1), Beanstalk_66 (F1), Cornie_65 (F5), DaWorst_68 (F1), Girr_65 (F1), MisterCuddles_65 (F1), Ruby_63 (F1),

Start 8:
• Found in 4 of 20 (20.0%) of genes in pham
• Manual Annotations of this start: 3 of 17
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Emmaloid_71 (F1), Peridot_69 (F1), Rialto_74 (F1), Slim_71 (F1),

Start 10:
• Found in 15 of 20 (75.0%) of genes in pham
• Manual Annotations of this start: 3 of 17
• Called 26.7% of time when present
• Phage (with cluster) where this start called: Grimmer_77 (F1), Harley_71 (F1), Mahavrat_64 (F1), OwlsT2W_69 (F1),

Start 11:
• Found in 5 of 20 (25.0%) of genes in pham
• Manual Annotations of this start: 5 of 17
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Daenerys_64 (F1), JoeyJr_65 (F1), PHappiness_65 (F1), Renaud18_79 (F4), Spoonbill_68 (F1),

Summary by clusters:

There are 3 clusters represented in this pham: F1, F4, F5,

Info for manual annotations of cluster F1:
•Start number 7 was manually annotated 5 times for cluster F1.
•Start number 8 was manually annotated 3 times for cluster F1.
•Start number 10 was manually annotated 3 times for cluster F1.
•Start number 11 was manually annotated 4 times for cluster F1.

Info for manual annotations of cluster F4:
•Start number 11 was manually annotated 1 time for cluster F4.

Info for manual annotations of cluster F5:
•Start number 7 was manually annotated 1 time for cluster F5.

Gene Information:

Gene: Alexphander_71 Start: 45177, Stop: 45377, Start Num: 7
Candidate Starts for Alexphander_71:
(Start: 7 @45177 has 6 MA's), (Start: 10 @45213 has 3 MA's), (12, 45270), (14, 45357),

Gene: Beanstalk_66 Start: 43349, Stop: 43549, Start Num: 7
Candidate Starts for Beanstalk_66:
(4, 43259), (6, 43319), (Start: 7 @43349 has 6 MA's), (Start: 10 @43385 has 3 MA's), (12, 43442), (14, 43529),

Gene: Cornie_65 Start: 43837, Stop: 44037, Start Num: 7
Candidate Starts for Cornie_65:
(3, 43744), (5, 43804), (Start: 7 @43837 has 6 MA's), (Start: 10 @43873 has 3 MA's), (12, 43930), (13, 44002), (14, 44017),

Gene: DaWorst_68 Start: 44644, Stop: 44844, Start Num: 7
Candidate Starts for DaWorst_68:
(4, 44554), (6, 44614), (Start: 7 @44644 has 6 MA's), (Start: 10 @44680 has 3 MA's), (12, 44737), (14, 44824),

Gene: Daenerys_64 Start: 43646, Stop: 43810, Start Num: 11
Candidate Starts for Daenerys_64:
(1, 43421), (Start: 11 @43646 has 5 MA's), (12, 43703), (14, 43790),

Gene: Emmaloid_71 Start: 44706, Stop: 44894, Start Num: 8
Candidate Starts for Emmaloid_71:
(Start: 8 @44706 has 3 MA's), (9, 44715), (Start: 10 @44730 has 3 MA's), (12, 44787), (14, 44874),

Gene: Girr_65 Start: 44587, Stop: 44787, Start Num: 7
Candidate Starts for Girr_65:
(Start: 7 @44587 has 6 MA's), (Start: 10 @44623 has 3 MA's), (12, 44680), (14, 44767),

Gene: Grimmer_77 Start: 45506, Stop: 45670, Start Num: 10
Candidate Starts for Grimmer_77:
(1, 45284), (Start: 10 @45506 has 3 MA's), (12, 45563), (14, 45650),

Gene: Harley_71 Start: 45252, Stop: 45416, Start Num: 10
Candidate Starts for Harley_71:
(1, 45030), (Start: 10 @45252 has 3 MA's), (12, 45309), (14, 45396),

Gene: JoeyJr_65 Start: 43814, Stop: 43978, Start Num: 11
Candidate Starts for JoeyJr_65:
(1, 43589), (Start: 11 @43814 has 5 MA's), (12, 43871), (14, 43958),

Gene: Mahavrat_64 Start: 43075, Stop: 43239, Start Num: 10
Candidate Starts for Mahavrat_64:
(1, 42853), (Start: 10 @43075 has 3 MA's), (12, 43132), (14, 43219),

Gene: MisterCuddles_65 Start: 44587, Stop: 44787, Start Num: 7
Candidate Starts for MisterCuddles_65:
(Start: 7 @44587 has 6 MA's), (Start: 10 @44623 has 3 MA's), (12, 44680), (14, 44767),

Gene: OwlsT2W_69 Start: 44736, Stop: 44900, Start Num: 10
Candidate Starts for OwlsT2W_69:
(1, 44514), (2, 44517), (Start: 10 @44736 has 3 MA's), (12, 44793), (14, 44880),

Gene: PHappiness_65 Start: 43590, Stop: 43754, Start Num: 11
Candidate Starts for PHappiness_65:
(1, 43365), (Start: 11 @43590 has 5 MA's), (12, 43647), (14, 43734),

Gene: Peridot_69 Start: 43356, Stop: 43544, Start Num: 8
Candidate Starts for Peridot_69:

(Start: 8 @43356 has 3 MA's), (9, 43365), (Start: 10 @43380 has 3 MA's), (12, 43437), (14, 43524),

Gene: Renaud18_79 Start: 46542, Stop: 46706, Start Num: 11
Candidate Starts for Renaud18_79:
(1, 46317), (2, 46320), (Start: 11 @46542 has 5 MA's), (12, 46599), (14, 46686),

Gene: Rialto_74 Start: 46079, Stop: 46267, Start Num: 8
Candidate Starts for Rialto_74:
(Start: 8 @46079 has 3 MA's), (9, 46088), (Start: 10 @46103 has 3 MA's), (12, 46160), (14, 46247),

Gene: Ruby_63 Start: 44588, Stop: 44788, Start Num: 7
Candidate Starts for Ruby_63:
(Start: 7 @44588 has 6 MA's), (Start: 10 @44624 has 3 MA's), (12, 44681), (14, 44768),

Gene: Slim_71 Start: 44697, Stop: 44885, Start Num: 8
Candidate Starts for Slim_71:
(Start: 8 @44697 has 3 MA's), (9, 44706), (Start: 10 @44721 has 3 MA's), (12, 44778), (14, 44865),

Gene: Spoonbill_68 Start: 43661, Stop: 43825, Start Num: 11
Candidate Starts for Spoonbill_68:
(1, 43436), (Start: 11 @43661 has 5 MA's), (12, 43718), (14, 43805),