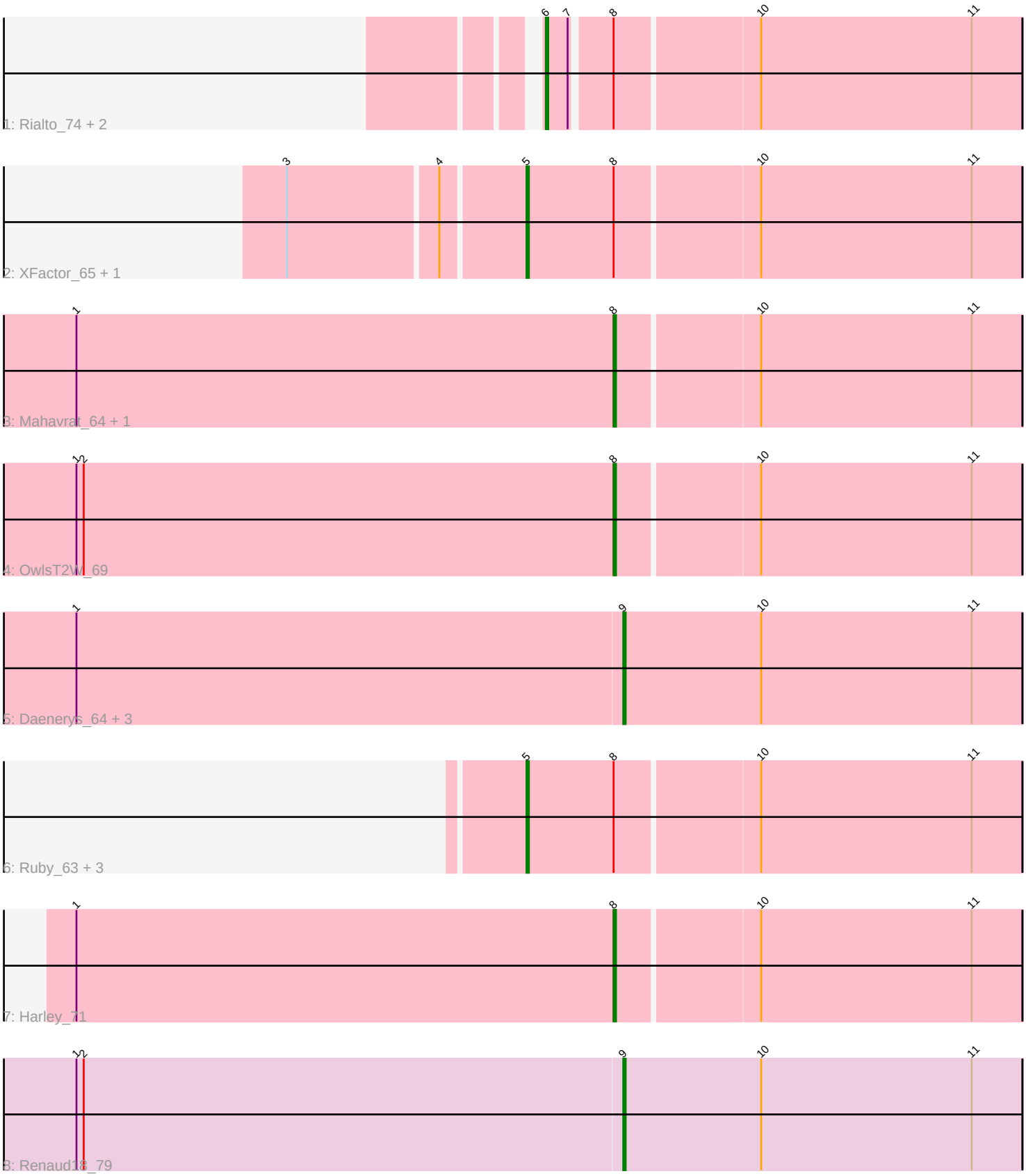
Pham 224928


6
7
8
10
11
1: Rialto_74 + 2
3
4
5
8
10
11
2: XFactor_65 + 1
1
8
10
11
3: Mahavrat_64 + 1
1
2
8
10
11
4: OwlsT2W_69
1
9
10
11
5: Daenerys_64 + 3
5
8
10
11
6: Ruby_63 + 3
1
8
10
11
7: Harley_71
1
2
9
10
11
8: Renaud18_79

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 224928 Report

This analysis was run 03/28/25 on database version 593.

Pham number 224928 has 18 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Rialto_74, Emmaloid_70, Slim_70
• Track 2 : XFactor_65, Eish_70
• Track 3 : Mahavrat_64, Grimmer_77
• Track 4 : OwlsT2W_69
• Track 5 : Daenerys_64, JoeyJr_65, PHappiness_65, Spoonbill_68
• Track 6 : Ruby_63, Girr_65, MisterCuddles_65, Alexphander_71
• Track 7 : Harley_71
• Track 8 : Renaud18_79

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

The start number called the most often in the published annotations is 5, it was called in 6 of the 15 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Alexphander_71, Eish_70, Girr_65, MisterCuddles_65, Ruby_63, XFactor_65,

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

Genes that do not have the "Most Annotated" start:
• Daenerys_64, Emmaloid_70, Grimmer_77, Harley_71, JoeyJr_65, Mahavrat_64, OwlsT2W_69, PHappiness_65, Renaud18_79, Rialto_74, Slim_70, Spoonbill_68,

Summary by start number:

Start 5:
• Found in 6 of 18 (33.3%) of genes in pham
• Manual Annotations of this start: 6 of 15
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Alexphander_71 (F1), Eish_70 (F1), Girr_65 (F1), MisterCuddles_65 (F1), Ruby_63 (F1), XFactor_65 (F1),

Start 6:

• Found in 3 of 18 (16.7%) of genes in pham
• Manual Annotations of this start: 1 of 15
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Emmaloid_70 (F1), Rialto_74 (F1), Slim_70 (F1),

Start 8:
• Found in 13 of 18 (72.2%) of genes in pham
• Manual Annotations of this start: 3 of 15
• Called 30.8% of time when present
• Phage (with cluster) where this start called: Grimmer_77 (F1), Harley_71 (F1), Mahavrat_64 (F1), OwlsT2W_69 (F1),

Start 9:
• Found in 5 of 18 (27.8%) of genes in pham
• Manual Annotations of this start: 5 of 15
• 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 2 clusters represented in this pham: F1, F4,

Info for manual annotations of cluster F1:
•Start number 5 was manually annotated 6 times for cluster F1.
•Start number 6 was manually annotated 1 time for cluster F1.
•Start number 8 was manually annotated 3 times for cluster F1.
•Start number 9 was manually annotated 4 times for cluster F1.

Info for manual annotations of cluster F4:
•Start number 9 was manually annotated 1 time for cluster F4.

Gene Information:

Gene: Alexphander_71 Start: 45177, Stop: 45377, Start Num: 5
Candidate Starts for Alexphander_71:
(Start: 5 @45177 has 6 MA's), (Start: 8 @45213 has 3 MA's), (10, 45270), (11, 45357),

Gene: Daenerys_64 Start: 43646, Stop: 43810, Start Num: 9
Candidate Starts for Daenerys_64:
(1, 43421), (Start: 9 @43646 has 5 MA's), (10, 43703), (11, 43790),

Gene: Eish_70 Start: 45432, Stop: 45632, Start Num: 5
Candidate Starts for Eish_70:
(3, 45339), (4, 45399), (Start: 5 @45432 has 6 MA's), (Start: 8 @45468 has 3 MA's), (10, 45525), (11, 45612),

Gene: Emmaloid_70 Start: 44706, Stop: 44894, Start Num: 6
Candidate Starts for Emmaloid_70:
(Start: 6 @44706 has 1 MA's), (7, 44715), (Start: 8 @44730 has 3 MA's), (10, 44787), (11, 44874),

Gene: Girr_65 Start: 44587, Stop: 44787, Start Num: 5
Candidate Starts for Girr_65:
(Start: 5 @44587 has 6 MA's), (Start: 8 @44623 has 3 MA's), (10, 44680), (11, 44767),

Gene: Grimmer_77 Start: 45506, Stop: 45670, Start Num: 8
Candidate Starts for Grimmer_77:
(1, 45284), (Start: 8 @45506 has 3 MA's), (10, 45563), (11, 45650),

Gene: Harley_71 Start: 45252, Stop: 45416, Start Num: 8
Candidate Starts for Harley_71:
(1, 45030), (Start: 8 @45252 has 3 MA's), (10, 45309), (11, 45396),

Gene: JoeyJr_65 Start: 43814, Stop: 43978, Start Num: 9
Candidate Starts for JoeyJr_65:
(1, 43589), (Start: 9 @43814 has 5 MA's), (10, 43871), (11, 43958),

Gene: Mahavrat_64 Start: 43075, Stop: 43239, Start Num: 8
Candidate Starts for Mahavrat_64:
(1, 42853), (Start: 8 @43075 has 3 MA's), (10, 43132), (11, 43219),

Gene: MisterCuddles_65 Start: 44587, Stop: 44787, Start Num: 5
Candidate Starts for MisterCuddles_65:
(Start: 5 @44587 has 6 MA's), (Start: 8 @44623 has 3 MA's), (10, 44680), (11, 44767),

Gene: OwlsT2W_69 Start: 44736, Stop: 44900, Start Num: 8
Candidate Starts for OwlsT2W_69:
(1, 44514), (2, 44517), (Start: 8 @44736 has 3 MA's), (10, 44793), (11, 44880),

Gene: PHappiness_65 Start: 43590, Stop: 43754, Start Num: 9
Candidate Starts for PHappiness_65:
(1, 43365), (Start: 9 @43590 has 5 MA's), (10, 43647), (11, 43734),

Gene: Renaud18_79 Start: 46542, Stop: 46706, Start Num: 9
Candidate Starts for Renaud18_79:
(1, 46317), (2, 46320), (Start: 9 @46542 has 5 MA's), (10, 46599), (11, 46686),

Gene: Rialto_74 Start: 46079, Stop: 46267, Start Num: 6
Candidate Starts for Rialto_74:
(Start: 6 @46079 has 1 MA's), (7, 46088), (Start: 8 @46103 has 3 MA's), (10, 46160), (11, 46247),

Gene: Ruby_63 Start: 44588, Stop: 44788, Start Num: 5
Candidate Starts for Ruby_63:
(Start: 5 @44588 has 6 MA's), (Start: 8 @44624 has 3 MA's), (10, 44681), (11, 44768),

Gene: Slim_70 Start: 44697, Stop: 44885, Start Num: 6
Candidate Starts for Slim_70:
(Start: 6 @44697 has 1 MA's), (7, 44706), (Start: 8 @44721 has 3 MA's), (10, 44778), (11, 44865),

Gene: Spoonbill_68 Start: 43661, Stop: 43825, Start Num: 9
Candidate Starts for Spoonbill_68:
(1, 43436), (Start: 9 @43661 has 5 MA's), (10, 43718), (11, 43805),

Gene: XFactor_65 Start: 43727, Stop: 43927, Start Num: 5
Candidate Starts for XFactor_65:
(3, 43634), (4, 43694), (Start: 5 @43727 has 6 MA's), (Start: 8 @43763 has 3 MA's), (10, 43820), (11, 43907),