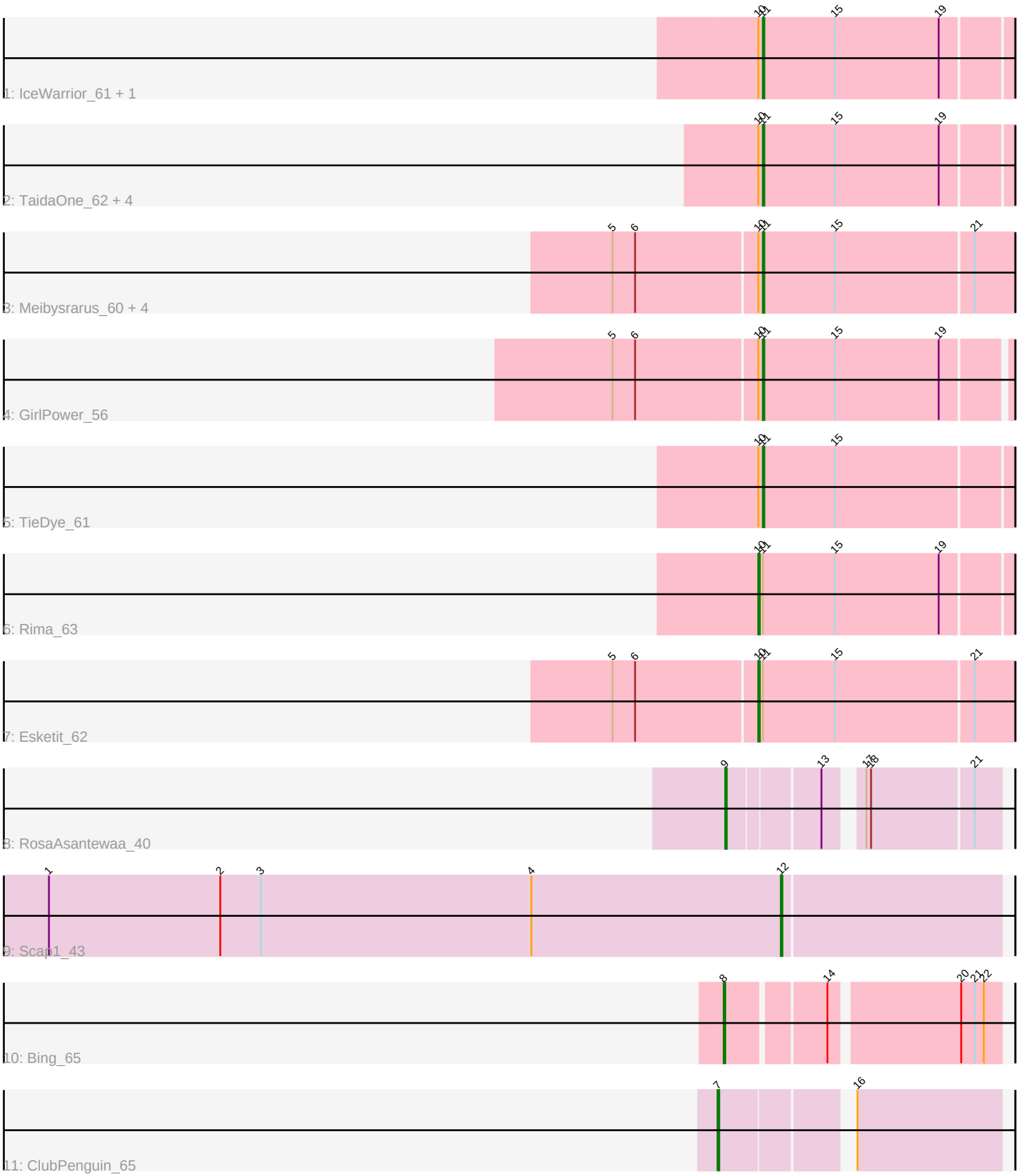
Pham 86665


10
11
15
19
1: IceWarrior_61 + 1
10
11
15
19
2: TaidaOne_62 + 4
5
6
10
11
15
21
3: Meibysrarus_60 + 4
5
6
10
11
15
19
4: GirlPower_56
10
11
15
5: TieDye_61
10
11
15
19
6: Rima_63
5
6
10
11
15
21
7: Esketit_62
9
13
17
18
21
8: RosaAsantewaa_40
1
2
3
4
12
9: Scap1_43
8
14
20
21
22
10: Bing_65
7
16
11: ClubPenguin_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 86665 Report

This analysis was run 03/30/24 on database version 556.

Pham number 86665 has 20 members, 0 are drafts.

Phages represented in each track:
• Track 1 : IceWarrior_61, Namo_63
• Track 2 : TaidaOne_62, Indigenous_62, FidgetOrca_62, TonyStarch_61, Hoshi_61
• Track 3 : Meibysrarus_60, Jaylociraptor_62, CherryBlossom_62, Maya_62, Spectropatronm_62
• Track 4 : GirlPower_56
• Track 5 : TieDye_61
• Track 6 : Rima_63
• Track 7 : Esketit_62
• Track 8 : RosaAsantewaa_40
• Track 9 : Scap1_43
• Track 10 : Bing_65
• Track 11 : ClubPenguin_65

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

The start number called the most often in the published annotations is 11, it was called in 14 of the 20 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• CherryBlossom_62, FidgetOrca_62, GirlPower_56, Hoshi_61, IceWarrior_61, Indigenous_62, Jaylociraptor_62, Maya_62, Meibysrarus_60, Namo_63, Spectropatronm_62, TaidaOne_62, TieDye_61, TonyStarch_61,

Genes that have the "Most Annotated" start but do not call it:
• Esketit_62, Rima_63,

Genes that do not have the "Most Annotated" start:
• Bing_65, ClubPenguin_65, RosaAsantewaa_40, Scap1_43,

Summary by start number:

Start 7:
• Found in 1 of 20 (5.0%) of genes in pham
• Manual Annotations of this start: 1 of 20

• Called 100.0% of time when present
• Phage (with cluster) where this start called: ClubPenguin_65 (BI7),

Start 8:
• Found in 1 of 20 (5.0%) of genes in pham
• Manual Annotations of this start: 1 of 20
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Bing_65 (BI5),

Start 9:
• Found in 1 of 20 (5.0%) of genes in pham
• Manual Annotations of this start: 1 of 20
• Called 100.0% of time when present
• Phage (with cluster) where this start called: RosaAsantewaa_40 (BI2),

Start 10:
• Found in 16 of 20 (80.0%) of genes in pham
• Manual Annotations of this start: 2 of 20
• Called 12.5% of time when present
• Phage (with cluster) where this start called: Esketit_62 (BI1), Rima_63 (BI1),

Start 11:
• Found in 16 of 20 (80.0%) of genes in pham
• Manual Annotations of this start: 14 of 20
• Called 87.5% of time when present
• Phage (with cluster) where this start called: CherryBlossom_62 (BI1), FidgetOrca_62 (BI1), GirlPower_56 (BI1), Hoshi_61 (BI1), IceWarrior_61 (BI1), Indigenous_62 (BI1), Jaylociraptor_62 (BI1), Maya_62 (BI1), Meibysrarus_60 (BI1), Namo_63 (BI1), Spectropatronm_62 (BI1), TaidaOne_62 (BI1), TieDye_61 (BI1), TonyStarch_61 (BI1),

Start 12:
• Found in 1 of 20 (5.0%) of genes in pham
• Manual Annotations of this start: 1 of 20
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Scap1_43 (BI2),

Summary by clusters:

There are 4 clusters represented in this pham: BI7, BI5, BI2, BI1,

Info for manual annotations of cluster BI1:
•Start number 10 was manually annotated 2 times for cluster BI1.
•Start number 11 was manually annotated 14 times for cluster BI1.

Info for manual annotations of cluster BI2:
•Start number 9 was manually annotated 1 time for cluster BI2.
•Start number 12 was manually annotated 1 time for cluster BI2.

Info for manual annotations of cluster BI5:
•Start number 8 was manually annotated 1 time for cluster BI5.

Info for manual annotations of cluster BI7:

•Start number 7 was manually annotated 1 time for cluster BI7.

Gene Information:

Gene: Bing_65 Start: 43115, Stop: 43282, Start Num: 8
Candidate Starts for Bing_65:
(Start: 8 @43115 has 1 MA's), (14, 43175), (20, 43256), (21, 43265), (22, 43271),

Gene: CherryBlossom_62 Start: 42236, Stop: 42400, Start Num: 11
Candidate Starts for CherryBlossom_62:
(5, 42140), (6, 42155), (Start: 10 @42233 has 2 MA's), (Start: 11 @42236 has 14 MA's), (15, 42284), (21, 42374),

Gene: ClubPenguin_65 Start: 42538, Stop: 42708, Start Num: 7
Candidate Starts for ClubPenguin_65:
(Start: 7 @42538 has 1 MA's), (16, 42613),

Gene: Esketit_62 Start: 42376, Stop: 42543, Start Num: 10
Candidate Starts for Esketit_62:
(5, 42283), (6, 42298), (Start: 10 @42376 has 2 MA's), (Start: 11 @42379 has 14 MA's), (15, 42427), (21, 42517),

Gene: FidgetOrca_62 Start: 42372, Stop: 42533, Start Num: 11
Candidate Starts for FidgetOrca_62:
(Start: 10 @42369 has 2 MA's), (Start: 11 @42372 has 14 MA's), (15, 42420), (19, 42489),

Gene: GirlPower_56 Start: 42563, Stop: 42721, Start Num: 11
Candidate Starts for GirlPower_56:
(5, 42467), (6, 42482), (Start: 10 @42560 has 2 MA's), (Start: 11 @42563 has 14 MA's), (15, 42611), (19, 42680),

Gene: Hoshi_61 Start: 41979, Stop: 42140, Start Num: 11
Candidate Starts for Hoshi_61:
(Start: 10 @41976 has 2 MA's), (Start: 11 @41979 has 14 MA's), (15, 42027), (19, 42096),

Gene: IceWarrior_61 Start: 42058, Stop: 42219, Start Num: 11
Candidate Starts for IceWarrior_61:
(Start: 10 @42055 has 2 MA's), (Start: 11 @42058 has 14 MA's), (15, 42106), (19, 42175),

Gene: Indigenous_62 Start: 42376, Stop: 42537, Start Num: 11
Candidate Starts for Indigenous_62:
(Start: 10 @42373 has 2 MA's), (Start: 11 @42376 has 14 MA's), (15, 42424), (19, 42493),

Gene: Jaylociraptor_62 Start: 42372, Stop: 42536, Start Num: 11
Candidate Starts for Jaylociraptor_62:
(5, 42276), (6, 42291), (Start: 10 @42369 has 2 MA's), (Start: 11 @42372 has 14 MA's), (15, 42420), (21, 42510),

Gene: Maya_62 Start: 42386, Stop: 42550, Start Num: 11
Candidate Starts for Maya_62:

(5, 42290), (6, 42305), (Start: 10 @42383 has 2 MA's), (Start: 11 @42386 has 14 MA's), (15, 42434), (21, 42524),

Gene: Meibysrarus_60 Start: 41749, Stop: 41913, Start Num: 11
Candidate Starts for Meibysrarus_60:
(5, 41653), (6, 41668), (Start: 10 @41746 has 2 MA's), (Start: 11 @41749 has 14 MA's), (15, 41797), (21, 41887),

Gene: Namo_63 Start: 42726, Stop: 42887, Start Num: 11
Candidate Starts for Namo_63:
(Start: 10 @42723 has 2 MA's), (Start: 11 @42726 has 14 MA's), (15, 42774), (19, 42843),

Gene: Rima_63 Start: 42723, Stop: 42887, Start Num: 10
Candidate Starts for Rima_63:
(Start: 10 @42723 has 2 MA's), (Start: 11 @42726 has 14 MA's), (15, 42774), (19, 42843),

Gene: RosaAsantewaa_40 Start: 33286, Stop: 33447, Start Num: 9
Candidate Starts for RosaAsantewaa_40:
(Start: 9 @33286 has 1 MA's), (13, 33343), (17, 33361), (18, 33364), (21, 33430),

Gene: Scap1_43 Start: 34100, Stop: 34243, Start Num: 12
Candidate Starts for Scap1_43:
(1, 33614), (2, 33728), (3, 33755), (4, 33935), (Start: 12 @34100 has 1 MA's),

Gene: Spectropatronm_62 Start: 42379, Stop: 42543, Start Num: 11
Candidate Starts for Spectropatronm_62:
(5, 42283), (6, 42298), (Start: 10 @42376 has 2 MA's), (Start: 11 @42379 has 14 MA's), (15, 42427), (21, 42517),

Gene: TaidaOne_62 Start: 42885, Stop: 43046, Start Num: 11
Candidate Starts for TaidaOne_62:
(Start: 10 @42882 has 2 MA's), (Start: 11 @42885 has 14 MA's), (15, 42933), (19, 43002),

Gene: TieDye_61 Start: 41961, Stop: 42122, Start Num: 11
Candidate Starts for TieDye_61:
(Start: 10 @41958 has 2 MA's), (Start: 11 @41961 has 14 MA's), (15, 42009),

Gene: TonyStarch_61 Start: 42124, Stop: 42285, Start Num: 11
Candidate Starts for TonyStarch_61:
(Start: 10 @42121 has 2 MA's), (Start: 11 @42124 has 14 MA's), (15, 42172), (19, 42241),