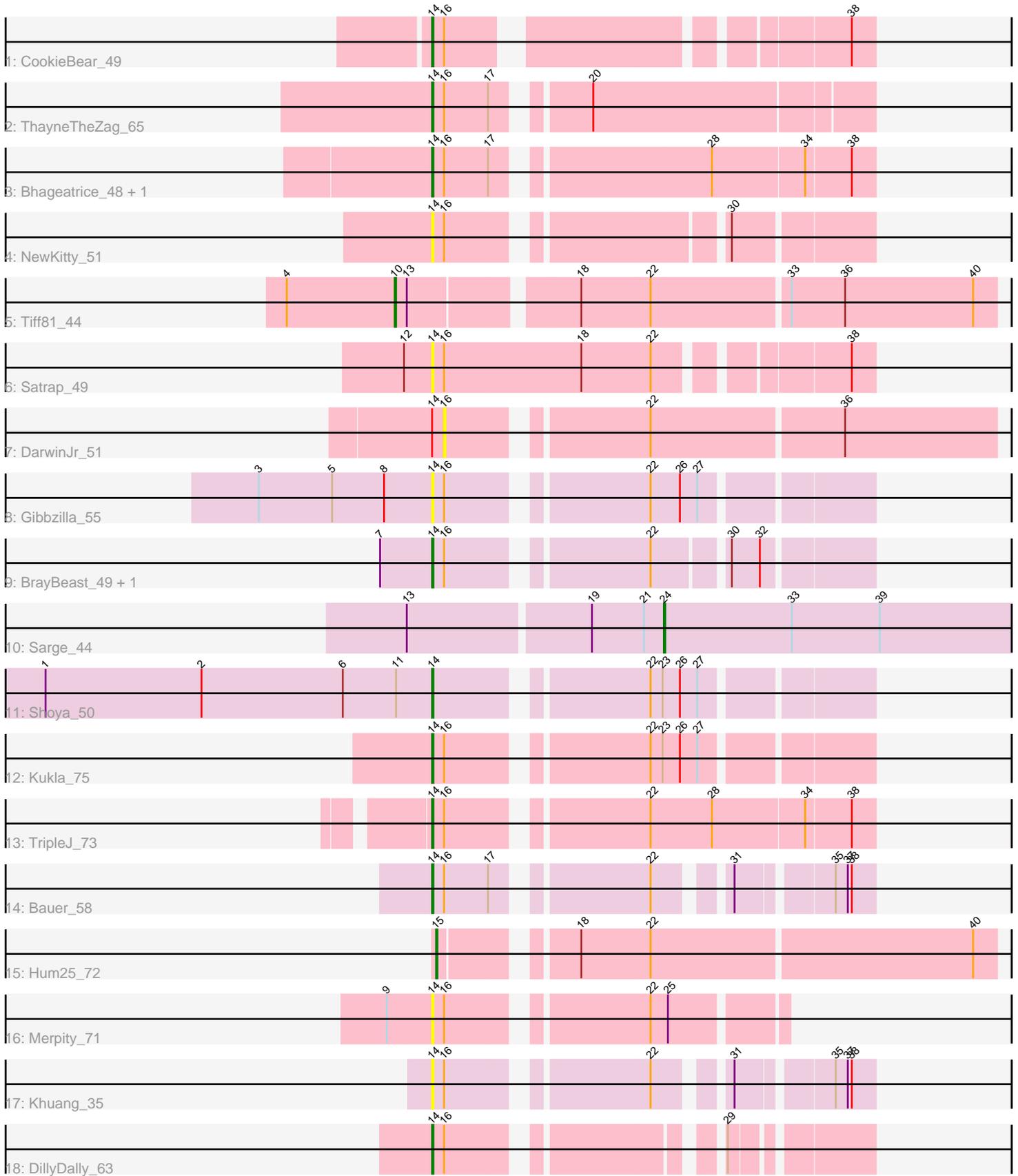Pham 291552

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 291552 Report

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

Pham number 291552 has 20 members, 8 are drafts.

Phages represented in each track:
• Track 1 : CookieBear_49
• Track 2 : ThayneTheZag_65
• Track 3 : Bhageatrice_48, Crescenzo_48
• Track 4 : NewKitty_51
• Track 5 : Tiff81_44
• Track 6 : Satrap_49
• Track 7 : DarwinJr_51
• Track 8 : Gibbzilla_55
• Track 9 : BrayBeast_49, Raqqa_60
• Track 10 : Sarge_44
• Track 11 : Shoya_50
• Track 12 : Kukla_75
• Track 13 : TripleJ_73
• Track 14 : Bauer_58
• Track 15 : Hum25_72
• Track 16 : Merpity_71
• Track 17 : Khuang_35
• Track 18 : DillyDally_63

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

The start number called the most often in the published annotations is 14, it was called in 9 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Bauer_58, Bhageatrice_48, BrayBeast_49, CookieBear_49, Crescenzo_48, DillyDally_63, Gibbzilla_55, Khuang_35, Kukla_75, Merpity_71, NewKitty_51, Raqqa_60, Satrap_49, Shoya_50, ThayneTheZag_65, TripleJ_73,

Genes that have the "Most Annotated" start but do not call it:
• DarwinJr_51,

Genes that do not have the "Most Annotated" start:
• Hum25_72, Sarge_44, Tiff81_44,

Summary by start number:

Start 10:
• Found in 1 of 20 (5.0%) 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: Tiff81_44 (AY),

Start 14:
• Found in 17 of 20 (85.0%) of genes in pham
• Manual Annotations of this start: 9 of 12
• Called 94.1% of time when present
• Phage (with cluster) where this start called: Bauer_58 (FN), Bhageatrice_48 (AY), BrayBeast_49 (FB), CookieBear_49 (AY), Crescenzo_48 (AY), DillyDally_63 (singleton), Gibbzilla_55 (FB), Khuang_35 (FS), Kukla_75 (FJ), Merpity_71 (FQ), NewKitty_51 (AY), Raqqa_60 (AY), Satrap_49 (AY), Shoya_50 (FB), ThayneTheZag_65 (AY), TripleJ_73 (FJ),

Start 15:
• Found in 1 of 20 (5.0%) 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: Hum25_72 (FQ),

Start 16:
• Found in 16 of 20 (80.0%) of genes in pham
• No Manual Annotations of this start.
• Called 6.2% of time when present
• Phage (with cluster) where this start called: DarwinJr_51 (AY),

Start 24:
• Found in 1 of 20 (5.0%) 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: Sarge_44 (FB),

Summary by clusters:

There are 7 clusters represented in this pham: FQ, singleton, FS, FB, AY, FJ, FN,

Info for manual annotations of cluster AY:
•Start number 10 was manually annotated 1 time for cluster AY.
•Start number 14 was manually annotated 3 times for cluster AY.

Info for manual annotations of cluster FB:
•Start number 14 was manually annotated 2 times for cluster FB.
•Start number 24 was manually annotated 1 time for cluster FB.

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

Info for manual annotations of cluster FN:

•Start number 14 was manually annotated 1 time for cluster FN.

Info for manual annotations of cluster FQ:
•Start number 15 was manually annotated 1 time for cluster FQ.

Gene Information:

Gene: Bauer_58 Start: 32955, Stop: 33227, Start Num: 14
Candidate Starts for Bauer_58:
(Start: 14 @32955 has 9 MA's), (16, 32964), (17, 32997), (22, 33093), (31, 33135), (35, 33198), (37, 33207), (38, 33210),

Gene: Bhageatrice_48 Start: 31728, Stop: 32027, Start Num: 14
Candidate Starts for Bhageatrice_48:
(Start: 14 @31728 has 9 MA's), (16, 31737), (17, 31770), (28, 31911), (34, 31977), (38, 32010),

Gene: BrayBeast_49 Start: 28984, Stop: 29268, Start Num: 14
Candidate Starts for BrayBeast_49:
(7, 28945), (Start: 14 @28984 has 9 MA's), (16, 28993), (22, 29122), (30, 29170), (32, 29191),

Gene: CookieBear_49 Start: 30179, Stop: 30457, Start Num: 14
Candidate Starts for CookieBear_49:
(Start: 14 @30179 has 9 MA's), (16, 30188), (38, 30440),

Gene: Crescenzo_48 Start: 30815, Stop: 31114, Start Num: 14
Candidate Starts for Crescenzo_48:
(Start: 14 @30815 has 9 MA's), (16, 30824), (17, 30857), (28, 30998), (34, 31064), (38, 31097),

Gene: DarwinJr_51 Start: 31100, Stop: 31480, Start Num: 16
Candidate Starts for DarwinJr_51:
(Start: 14 @31091 has 9 MA's), (16, 31100), (22, 31229), (36, 31367),

Gene: DillyDally_63 Start: 38118, Stop: 38381, Start Num: 14
Candidate Starts for DillyDally_63:
(Start: 14 @38118 has 9 MA's), (16, 38127), (29, 38289),

Gene: Gibbzilla_55 Start: 29845, Stop: 30132, Start Num: 14
Candidate Starts for Gibbzilla_55:
(3, 29716), (5, 29770), (8, 29809), (Start: 14 @29845 has 9 MA's), (16, 29854), (22, 29983), (26, 30004), (27, 30016),

Gene: Hum25_72 Start: 38173, Stop: 38556, Start Num: 15
Candidate Starts for Hum25_72:
(Start: 15 @38173 has 1 MA's), (18, 38254), (22, 38305), (40, 38539),

Gene: Khuang_35 Start: 24689, Stop: 24417, Start Num: 14
Candidate Starts for Khuang_35:
(Start: 14 @24689 has 9 MA's), (16, 24680), (22, 24551), (31, 24509), (35, 24446), (37, 24437), (38, 24434),

Gene: Kukla_75 Start: 42658, Stop: 42945, Start Num: 14
Candidate Starts for Kukla_75:
(Start: 14 @42658 has 9 MA's), (16, 42667), (22, 42796), (23, 42805), (26, 42817), (27, 42829),

Gene: Merpity_71 Start: 37923, Stop: 38150, Start Num: 14
Candidate Starts for Merpity_71:
(9, 37890), (Start: 14 @37923 has 9 MA's), (16, 37932), (22, 38061), (25, 38073),

Gene: NewKitty_51 Start: 30242, Stop: 30526, Start Num: 14
Candidate Starts for NewKitty_51:
(Start: 14 @30242 has 9 MA's), (16, 30251), (30, 30428),

Gene: Raqqa_60 Start: 33013, Stop: 33297, Start Num: 14
Candidate Starts for Raqqa_60:
(7, 32974), (Start: 14 @33013 has 9 MA's), (16, 33022), (22, 33151), (30, 33199), (32, 33220),

Gene: Sarge_44 Start: 27015, Stop: 27275, Start Num: 24
Candidate Starts for Sarge_44:
(13, 26832), (19, 26961), (21, 27000), (Start: 24 @27015 has 1 MA's), (33, 27111), (39, 27177),

Gene: Satrap_49 Start: 30579, Stop: 30881, Start Num: 14
Candidate Starts for Satrap_49:
(12, 30558), (Start: 14 @30579 has 9 MA's), (16, 30588), (18, 30690), (22, 30741), (38, 30864),

Gene: Shoya_50 Start: 29154, Stop: 29441, Start Num: 14
Candidate Starts for Shoya_50:
(1, 28866), (2, 28983), (6, 29088), (11, 29127), (Start: 14 @29154 has 9 MA's), (22, 29292), (23, 29301), (26, 29313), (27, 29325),

Gene: ThayneTheZag_65 Start: 34279, Stop: 34572, Start Num: 14
Candidate Starts for ThayneTheZag_65:
(Start: 14 @34279 has 9 MA's), (16, 34288), (17, 34321), (20, 34375),

Gene: Tiff81_44 Start: 28183, Stop: 28605, Start Num: 10
Candidate Starts for Tiff81_44:
(4, 28102), (Start: 10 @28183 has 1 MA's), (13, 28192), (18, 28303), (22, 28354), (33, 28453), (36, 28492), (40, 28588),

Gene: TripleJ_73 Start: 41236, Stop: 41535, Start Num: 14
Candidate Starts for TripleJ_73:
(Start: 14 @41236 has 9 MA's), (16, 41245), (22, 41374), (28, 41419), (34, 41485), (38, 41518),