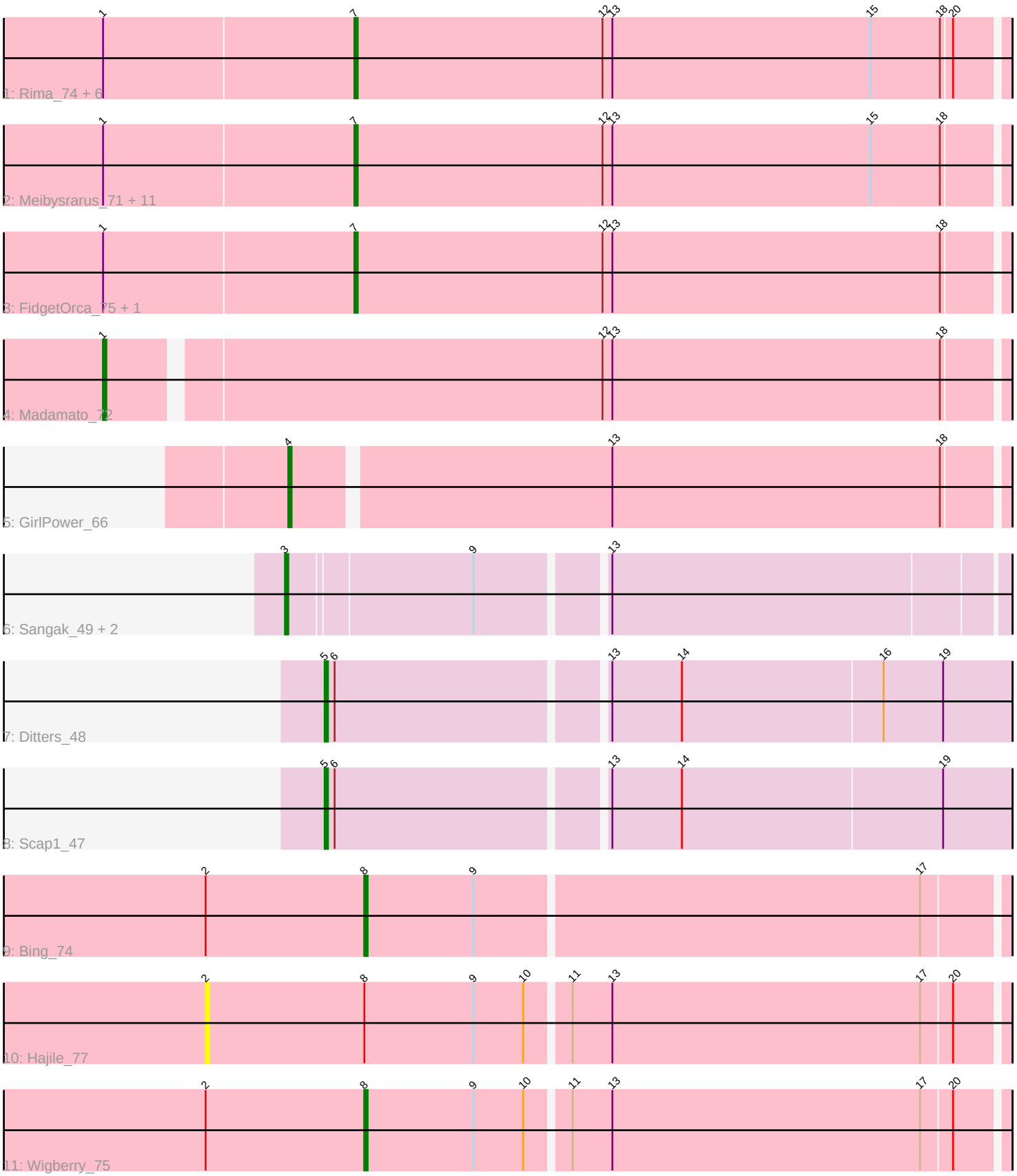
Pham 345994


1
7
12
13
15
18
20
1: Rima_74 + 6
1
7
12
13
15
18
2: Meibysrarus_71 + 11
1
7
12
13
18
3: FidgetOrca_75 + 1
1
12
13
18
4: Madamato_72
4
13
18
5: GirlPower_66
3
9
13
6: Sangak_49 + 2
5
6
13
14
16
19
7: Ditters_48
5
6
13
14
19
8: Scap1_47
2
8
9
17
9: Bing_74
2
8
9
10
11
13
17
20
10: Hajile_77
2
8
9
10
11
13
17
20
11: Wigberry_75

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 345994 Report

This analysis was run 11/14/26 on database version 672.

Pham number 345994 has 31 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Rima_74, Maya_73, Jaylociraptor_73, Esketit_69, OlympicHelado_75, Namo_75, IceWarrior_73
• Track 2 : Meibysrarus_71, DrGrey_67, Espio_69, TaidaOne_74, Spectropatronm_72, Soshi_70, CherryBlossom_73, TieDye_69, Popy_69, Hoshi_74, FrodoSwaggins_69, Indigenous_75
• Track 3 : FidgetOrca_75, HazuAndZazu_69
• Track 4 : Madamato_72
• Track 5 : GirlPower_66
• Track 6 : Sangak_49, Doxi13_51, RavenPuff_50
• Track 7 : Ditters_48
• Track 8 : Scap1_47
• Track 9 : Bing_74
• Track 10 : Hajile_77
• Track 11 : Wigberry_75

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 21 of the 29 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• CherryBlossom_73, DrGrey_67, Esketit_69, Espio_69, FidgetOrca_75, FrodoSwaggins_69, HazuAndZazu_69, Hoshi_74, IceWarrior_73, Indigenous_75, Jaylociraptor_73, Maya_73, Meibysrarus_71, Namo_75, OlympicHelado_75, Popy_69, Rima_74, Soshi_70, Spectropatronm_72, TaidaOne_74, TieDye_69,

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

Genes that do not have the "Most Annotated" start:
• Bing_74, Ditters_48, Doxi13_51, GirlPower_66, Hajile_77, Madamato_72, RavenPuff_50, Sangak_49, Scap1_47, Wigberry_75,

Summary by start number:

Start 1:
• Found in 22 of 31 (71.0%) of genes in pham
• Manual Annotations of this start: 1 of 29
• Called 4.5% of time when present
• Phage (with cluster) where this start called: Madamato_72 (BI1),

Start 2:
• Found in 3 of 31 (9.7%) of genes in pham
• No Manual Annotations of this start.
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Hajile_77 (BI5),

Start 3:
• Found in 3 of 31 (9.7%) of genes in pham
• Manual Annotations of this start: 2 of 29
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Doxi13_51 (BI2), RavenPuff_50 (BI2), Sangak_49 (BI2),

Start 4:
• Found in 1 of 31 (3.2%) of genes in pham
• Manual Annotations of this start: 1 of 29
• Called 100.0% of time when present
• Phage (with cluster) where this start called: GirlPower_66 (BI1),

Start 5:
• Found in 2 of 31 (6.5%) of genes in pham
• Manual Annotations of this start: 2 of 29
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Ditters_48 (BI2), Scap1_47 (BI2),

Start 7:
• Found in 21 of 31 (67.7%) of genes in pham
• Manual Annotations of this start: 21 of 29
• Called 100.0% of time when present
• Phage (with cluster) where this start called: CherryBlossom_73 (BI1), DrGrey_67 (BI1), Esketit_69 (BI1), Espio_69 (BI1), FidgetOrca_75 (BI1), FrodoSwaggins_69 (BI1), HazuAndZazu_69 (BI1), Hoshi_74 (BI1), IceWarrior_73 (BI1), Indigenous_75 (BI1), Jaylociraptor_73 (BI1), Maya_73 (BI1), Meibysrarus_71 (BI1), Namo_75 (BI1), OlympicHelado_75 (BI1), Popy_69 (BI1), Rima_74 (BI1), Soshi_70 (BI1), Spectropatronm_72 (BI1), TaidaOne_74 (BI1), TieDye_69 (BI1),

Start 8:
• Found in 3 of 31 (9.7%) of genes in pham
• Manual Annotations of this start: 2 of 29
• Called 66.7% of time when present
• Phage (with cluster) where this start called: Bing_74 (BI5), Wigberry_75 (BI5),

Summary by clusters:

There are 3 clusters represented in this pham: BI5, BI2, BI1,

Info for manual annotations of cluster BI1:
•Start number 1 was manually annotated 1 time for cluster BI1.
•Start number 4 was manually annotated 1 time for cluster BI1.
•Start number 7 was manually annotated 21 times for cluster BI1.

Info for manual annotations of cluster BI2:
•Start number 3 was manually annotated 2 times for cluster BI2.
•Start number 5 was manually annotated 2 times for cluster BI2.

Info for manual annotations of cluster BI5:
•Start number 8 was manually annotated 2 times for cluster BI5.

Gene Information:

Gene: Bing_74 Start: 46307, Stop: 46495, Start Num: 8
Candidate Starts for Bing_74:
(2, 46259), (Start: 8 @46307 has 2 MA's), (9, 46340), (17, 46472),

Gene: CherryBlossom_73 Start: 45724, Stop: 45918, Start Num: 7
Candidate Starts for CherryBlossom_73:
(Start: 1 @45649 has 1 MA's), (Start: 7 @45724 has 21 MA's), (12, 45799), (13, 45802), (15, 45880), (18, 45901),

Gene: Ditters_48 Start: 36754, Stop: 36954, Start Num: 5
Candidate Starts for Ditters_48:
(Start: 5 @36754 has 2 MA's), (6, 36757), (13, 36835), (14, 36856), (16, 36916), (19, 36934),

Gene: Doxi13_51 Start: 36432, Stop: 36638, Start Num: 3
Candidate Starts for Doxi13_51:
(Start: 3 @36432 has 2 MA's), (9, 36486), (13, 36522),

Gene: DrGrey_67 Start: 45684, Stop: 45878, Start Num: 7
Candidate Starts for DrGrey_67:
(Start: 1 @45609 has 1 MA's), (Start: 7 @45684 has 21 MA's), (12, 45759), (13, 45762), (15, 45840), (18, 45861),

Gene: Esketit_69 Start: 44825, Stop: 45019, Start Num: 7
Candidate Starts for Esketit_69:
(Start: 1 @44750 has 1 MA's), (Start: 7 @44825 has 21 MA's), (12, 44900), (13, 44903), (15, 44981), (18, 45002), (20, 45005),

Gene: Espio_69 Start: 46079, Stop: 46273, Start Num: 7
Candidate Starts for Espio_69:
(Start: 1 @46004 has 1 MA's), (Start: 7 @46079 has 21 MA's), (12, 46154), (13, 46157), (15, 46235), (18, 46256),

Gene: FidgetOrca_75 Start: 46275, Stop: 46469, Start Num: 7
Candidate Starts for FidgetOrca_75:
(Start: 1 @46200 has 1 MA's), (Start: 7 @46275 has 21 MA's), (12, 46350), (13, 46353), (18, 46452),

Gene: FrodoSwaggins_69 Start: 46078, Stop: 46272, Start Num: 7

Candidate Starts for FrodoSwaggins_69:
(Start: 1 @46003 has 1 MA's), (Start: 7 @46078 has 21 MA's), (12, 46153), (13, 46156), (15, 46234), (18, 46255),

Gene: GirlPower_66 Start: 45611, Stop: 45820, Start Num: 4
Candidate Starts for GirlPower_66:
(Start: 4 @45611 has 1 MA's), (13, 45704), (18, 45803),

Gene: Hajile_77 Start: 46119, Stop: 46355, Start Num: 2
Candidate Starts for Hajile_77:
(2, 46119), (Start: 8 @46167 has 2 MA's), (9, 46200), (10, 46215), (11, 46227), (13, 46239), (17, 46332), (20, 46341),

Gene: HazuAndZazu_69 Start: 45746, Stop: 45940, Start Num: 7
Candidate Starts for HazuAndZazu_69:
(Start: 1 @45671 has 1 MA's), (Start: 7 @45746 has 21 MA's), (12, 45821), (13, 45824), (18, 45923),

Gene: Hoshi_74 Start: 45888, Stop: 46082, Start Num: 7
Candidate Starts for Hoshi_74:
(Start: 1 @45813 has 1 MA's), (Start: 7 @45888 has 21 MA's), (12, 45963), (13, 45966), (15, 46044), (18, 46065),

Gene: IceWarrior_73 Start: 45576, Stop: 45770, Start Num: 7
Candidate Starts for IceWarrior_73:
(Start: 1 @45501 has 1 MA's), (Start: 7 @45576 has 21 MA's), (12, 45651), (13, 45654), (15, 45732), (18, 45753), (20, 45756),

Gene: Indigenous_75 Start: 46279, Stop: 46473, Start Num: 7
Candidate Starts for Indigenous_75:
(Start: 1 @46204 has 1 MA's), (Start: 7 @46279 has 21 MA's), (12, 46354), (13, 46357), (15, 46435), (18, 46456),

Gene: Jaylociraptor_73 Start: 45860, Stop: 46054, Start Num: 7
Candidate Starts for Jaylociraptor_73:
(Start: 1 @45785 has 1 MA's), (Start: 7 @45860 has 21 MA's), (12, 45935), (13, 45938), (15, 46016), (18, 46037), (20, 46040),

Gene: Madamato_72 Start: 45392, Stop: 45655, Start Num: 1
Candidate Starts for Madamato_72:
(Start: 1 @45392 has 1 MA's), (12, 45536), (13, 45539), (18, 45638),

Gene: Maya_73 Start: 45874, Stop: 46068, Start Num: 7
Candidate Starts for Maya_73:
(Start: 1 @45799 has 1 MA's), (Start: 7 @45874 has 21 MA's), (12, 45949), (13, 45952), (15, 46030), (18, 46051), (20, 46054),

Gene: Meibysrarus_71 Start: 45258, Stop: 45452, Start Num: 7
Candidate Starts for Meibysrarus_71:
(Start: 1 @45183 has 1 MA's), (Start: 7 @45258 has 21 MA's), (12, 45333), (13, 45336), (15, 45414), (18, 45435),

Gene: Namo_75 Start: 46238, Stop: 46432, Start Num: 7
Candidate Starts for Namo_75:

(Start: 1 @46163 has 1 MA's), (Start: 7 @46238 has 21 MA's), (12, 46313), (13, 46316), (15, 46394), (18, 46415), (20, 46418),

Gene: OlympicHelado_75 Start: 46350, Stop: 46544, Start Num: 7
Candidate Starts for OlympicHelado_75:
(Start: 1 @46275 has 1 MA's), (Start: 7 @46350 has 21 MA's), (12, 46425), (13, 46428), (15, 46506), (18, 46527), (20, 46530),

Gene: Popy_69 Start: 46078, Stop: 46272, Start Num: 7
Candidate Starts for Popy_69:
(Start: 1 @46003 has 1 MA's), (Start: 7 @46078 has 21 MA's), (12, 46153), (13, 46156), (15, 46234), (18, 46255),

Gene: RavenPuff_50 Start: 36428, Stop: 36634, Start Num: 3
Candidate Starts for RavenPuff_50:
(Start: 3 @36428 has 2 MA's), (9, 36482), (13, 36518),

Gene: Rima_74 Start: 46238, Stop: 46432, Start Num: 7
Candidate Starts for Rima_74:
(Start: 1 @46163 has 1 MA's), (Start: 7 @46238 has 21 MA's), (12, 46313), (13, 46316), (15, 46394), (18, 46415), (20, 46418),

Gene: Sangak_49 Start: 35986, Stop: 36192, Start Num: 3
Candidate Starts for Sangak_49:
(Start: 3 @35986 has 2 MA's), (9, 36040), (13, 36076),

Gene: Scap1_47 Start: 35844, Stop: 36044, Start Num: 5
Candidate Starts for Scap1_47:
(Start: 5 @35844 has 2 MA's), (6, 35847), (13, 35925), (14, 35946), (19, 36024),

Gene: Soshi_70 Start: 45943, Stop: 46137, Start Num: 7
Candidate Starts for Soshi_70:
(Start: 1 @45868 has 1 MA's), (Start: 7 @45943 has 21 MA's), (12, 46018), (13, 46021), (15, 46099), (18, 46120),

Gene: Spectropatronm_72 Start: 45867, Stop: 46061, Start Num: 7
Candidate Starts for Spectropatronm_72:
(Start: 1 @45792 has 1 MA's), (Start: 7 @45867 has 21 MA's), (12, 45942), (13, 45945), (15, 46023), (18, 46044),

Gene: TaidaOne_74 Start: 46763, Stop: 46957, Start Num: 7
Candidate Starts for TaidaOne_74:
(Start: 1 @46688 has 1 MA's), (Start: 7 @46763 has 21 MA's), (12, 46838), (13, 46841), (15, 46919), (18, 46940),

Gene: TieDye_69 Start: 45188, Stop: 45382, Start Num: 7
Candidate Starts for TieDye_69:
(Start: 1 @45113 has 1 MA's), (Start: 7 @45188 has 21 MA's), (12, 45263), (13, 45266), (15, 45344), (18, 45365),

Gene: Wigberry_75 Start: 46170, Stop: 46358, Start Num: 8
Candidate Starts for Wigberry_75:

(2, 46122), (Start: 8 @46170 has 2 MA's), (9, 46203), (10, 46218), (11, 46230), (13, 46242), (17, 46335), (20, 46344),