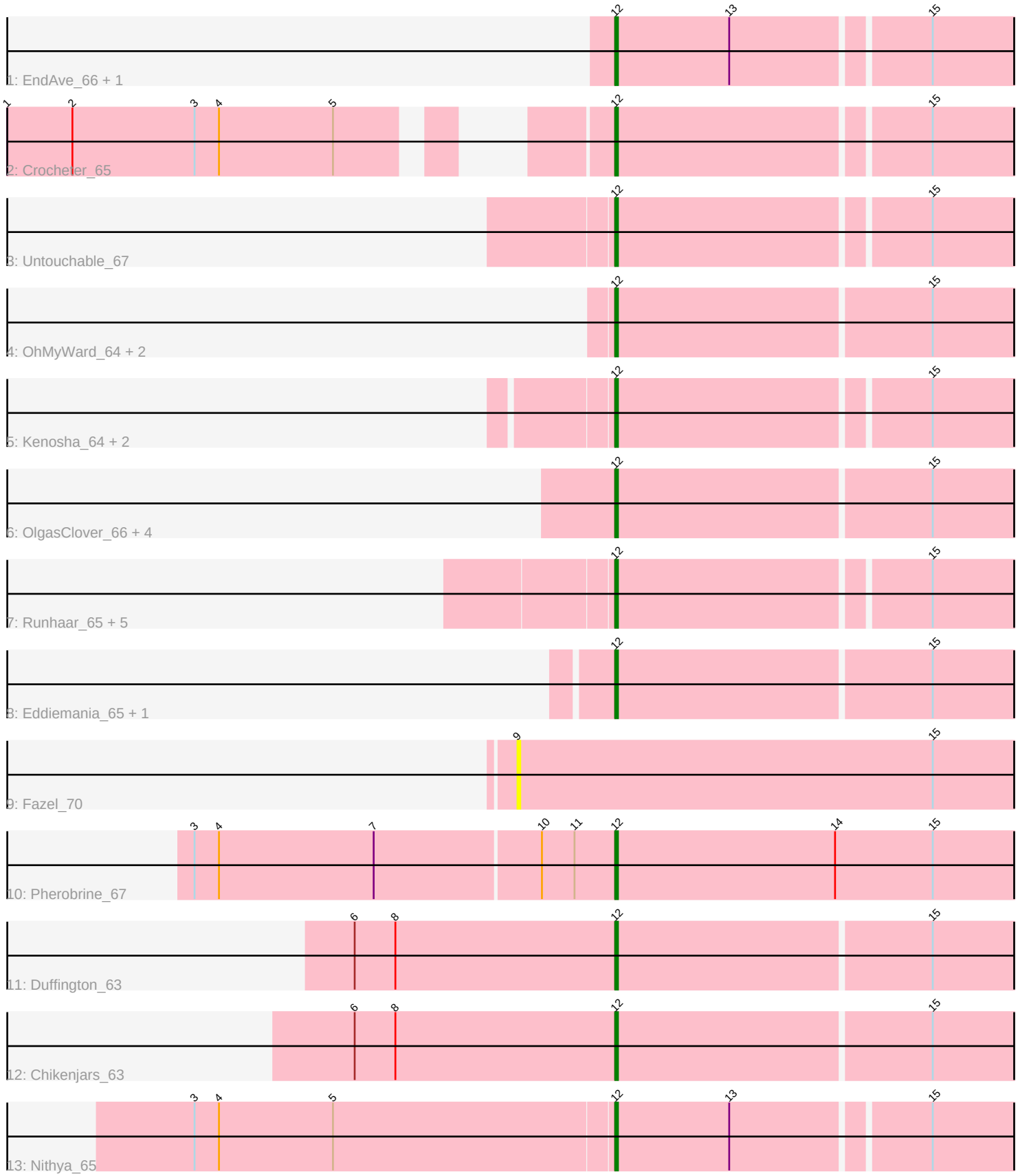
Pham 3923


1: EndAve_66 + 1
2: Crocheter_65
3: Untouchable_67
4: OhMyWard_64 + 2
5: Kenosha_64 + 2
6: OlgasClover_66 + 4
7: Runhaar_65 + 5
8: Eddiemania_65 + 1
9: Fazel_70
10: Pherobrine_67
11: Duffington_63
12: Chikenjars_63
13: Nithya_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 3923 Report

This analysis was run 04/12/24 on database version 558.

Pham number 3923 has 28 members, 6 are drafts.

Phages represented in each track:
• Track 1 : EndAve_66, AlainaMarie_64
• Track 2 : Crocheter_65
• Track 3 : Untouchable_67
• Track 4 : OhMyWard_64, Hortihabitatio_66, Mossy_68
• Track 5 : Kenosha_64, Nadmeg_66, Burley_65
• Track 6 : OlgasClover_66, Jodelie19_63, Aflac_64, TenaciousP_70, Figliar_63
• Track 7 : Runhaar_65, Zeph_69, Vardy_64, Madvan_64, Hydrus_67, Phepper_66
• Track 8 : Eddiemania_65, Rickmore_62
• Track 9 : Fazel_70
• Track 10 : Pherobrine_67
• Track 11 : Duffington_63
• Track 12 : Chikenjars_63
• Track 13 : Nithya_65

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

The start number called the most often in the published annotations is 12, it was called in 22 of the 22 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Aflac_64, AlainaMarie_64, Burley_65, Chikenjars_63, Crocheter_65, Duffington_63, Eddiemania_65, EndAve_66, Figliar_63, Hortihabitatio_66, Hydrus_67, Jodelie19_63, Kenosha_64, Madvan_64, Mossy_68, Nadmeg_66, Nithya_65, OhMyWard_64, OlgasClover_66, Phepper_66, Pherobrine_67, Rickmore_62, Runhaar_65, TenaciousP_70, Untouchable_67, Vardy_64, Zeph_69,

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

Genes that do not have the "Most Annotated" start:
• Fazel_70,

Summary by start number:

Start 9:
• Found in 1 of 28 (3.6%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Fazel_70 (DJ),

Start 12:
• Found in 27 of 28 (96.4%) of genes in pham
• Manual Annotations of this start: 22 of 22
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Aflac_64 (DJ), AlainaMarie_64 (DJ), Burley_65 (DJ), Chikenjars_63 (DJ), Crocheter_65 (DJ), Duffington_63 (DJ), Eddiemania_65 (DJ), EndAve_66 (DJ), Figliar_63 (DJ), Hortihabitatio_66 (DJ), Hydrus_67 (DJ), Jodelie19_63 (DJ), Kenosha_64 (DJ), Madvan_64 (DJ), Mossy_68 (DJ), Nadmeg_66 (DJ), Nithya_65 (DJ), OhMyWard_64 (DJ), OlgasClover_66 (DJ), Phepper_66 (DJ), Pherobrine_67 (DJ), Rickmore_62 (DJ), Runhaar_65 (DJ), TenaciousP_70 (DJ), Untouchable_67 (DJ), Vardy_64 (DJ), Zeph_69 (DJ),

Summary by clusters:

There is one cluster represented in this pham: DJ

Info for manual annotations of cluster DJ:
•Start number 12 was manually annotated 22 times for cluster DJ.

Gene Information:

Gene: Aflac_64 Start: 46809, Stop: 46976, Start Num: 12
Candidate Starts for Aflac_64:
(Start: 12 @46809 has 22 MA's), (15, 46923),

Gene: AlainaMarie_64 Start: 46854, Stop: 47018, Start Num: 12
Candidate Starts for AlainaMarie_64:
(Start: 12 @46854 has 22 MA's), (13, 46896), (15, 46965),

Gene: Burley_65 Start: 46535, Stop: 46699, Start Num: 12
Candidate Starts for Burley_65:
(Start: 12 @46535 has 22 MA's), (15, 46646),

Gene: Chikenjars_63 Start: 46871, Stop: 47038, Start Num: 12
Candidate Starts for Chikenjars_63:
(6, 46775), (8, 46790), (Start: 12 @46871 has 22 MA's), (15, 46985),

Gene: Crocheter_65 Start: 46975, Stop: 47139, Start Num: 12
Candidate Starts for Crocheter_65:
(1, 46789), (2, 46813), (3, 46858), (4, 46867), (5, 46909), (Start: 12 @46975 has 22 MA's), (15, 47086),

Gene: Duffington_63 Start: 46567, Stop: 46734, Start Num: 12
Candidate Starts for Duffington_63:
(6, 46471), (8, 46486), (Start: 12 @46567 has 22 MA's), (15, 46681),

Gene: Eddiemania_65 Start: 47723, Stop: 47890, Start Num: 12
Candidate Starts for Eddiemania_65:
(Start: 12 @47723 has 22 MA's), (15, 47837),

Gene: EndAve_66 Start: 47038, Stop: 47202, Start Num: 12
Candidate Starts for EndAve_66:
(Start: 12 @47038 has 22 MA's), (13, 47080), (15, 47149),

Gene: Fazel_70 Start: 46832, Stop: 47026, Start Num: 9
Candidate Starts for Fazel_70:
(9, 46832), (15, 46985),

Gene: Figliar_63 Start: 46877, Stop: 47044, Start Num: 12
Candidate Starts for Figliar_63:
(Start: 12 @46877 has 22 MA's), (15, 46991),

Gene: Hortihabitatio_66 Start: 47625, Stop: 47780, Start Num: 12
Candidate Starts for Hortihabitatio_66:
(Start: 12 @47625 has 22 MA's), (15, 47742),

Gene: Hydrus_67 Start: 47701, Stop: 47865, Start Num: 12
Candidate Starts for Hydrus_67:
(Start: 12 @47701 has 22 MA's), (15, 47812),

Gene: Jodelie19_63 Start: 48281, Stop: 48448, Start Num: 12
Candidate Starts for Jodelie19_63:
(Start: 12 @48281 has 22 MA's), (15, 48395),

Gene: Kenosha_64 Start: 47154, Stop: 47318, Start Num: 12
Candidate Starts for Kenosha_64:
(Start: 12 @47154 has 22 MA's), (15, 47265),

Gene: Madvan_64 Start: 46587, Stop: 46751, Start Num: 12
Candidate Starts for Madvan_64:
(Start: 12 @46587 has 22 MA's), (15, 46698),

Gene: Mossy_68 Start: 48557, Stop: 48724, Start Num: 12
Candidate Starts for Mossy_68:
(Start: 12 @48557 has 22 MA's), (15, 48671),

Gene: Nadmeg_66 Start: 47818, Stop: 47982, Start Num: 12
Candidate Starts for Nadmeg_66:
(Start: 12 @47818 has 22 MA's), (15, 47929),

Gene: Nithya_65 Start: 46738, Stop: 46902, Start Num: 12
Candidate Starts for Nithya_65:
(3, 46585), (4, 46594), (5, 46636), (Start: 12 @46738 has 22 MA's), (13, 46780), (15, 46849),

Gene: OhMyWard_64 Start: 48316, Stop: 48483, Start Num: 12
Candidate Starts for OhMyWard_64:
(Start: 12 @48316 has 22 MA's), (15, 48430),

Gene: OlgasClover_66 Start: 47871, Stop: 48038, Start Num: 12
Candidate Starts for OlgasClover_66:
(Start: 12 @47871 has 22 MA's), (15, 47985),

Gene: Phepper_66 Start: 46829, Stop: 46993, Start Num: 12
Candidate Starts for Phepper_66:
(Start: 12 @46829 has 22 MA's), (15, 46940),

Gene: Pherobrine_67 Start: 48446, Stop: 48607, Start Num: 12
Candidate Starts for Pherobrine_67:
(3, 48293), (4, 48302), (7, 48359), (10, 48419), (11, 48431), (Start: 12 @48446 has 22 MA's), (14, 48527), (15, 48563),

Gene: Rickmore_62 Start: 45254, Stop: 45421, Start Num: 12
Candidate Starts for Rickmore_62:
(Start: 12 @45254 has 22 MA's), (15, 45368),

Gene: Runhaar_65 Start: 46639, Stop: 46803, Start Num: 12
Candidate Starts for Runhaar_65:
(Start: 12 @46639 has 22 MA's), (15, 46750),

Gene: TenaciousP_70 Start: 48243, Stop: 48410, Start Num: 12
Candidate Starts for TenaciousP_70:
(Start: 12 @48243 has 22 MA's), (15, 48357),

Gene: Untouchable_67 Start: 47829, Stop: 47993, Start Num: 12
Candidate Starts for Untouchable_67:
(Start: 12 @47829 has 22 MA's), (15, 47940),

Gene: Vardy_64 Start: 46529, Stop: 46693, Start Num: 12
Candidate Starts for Vardy_64:
(Start: 12 @46529 has 22 MA's), (15, 46640),

Gene: Zeph_69 Start: 47668, Stop: 47832, Start Num: 12
Candidate Starts for Zeph_69:
(Start: 12 @47668 has 22 MA's), (15, 47779),