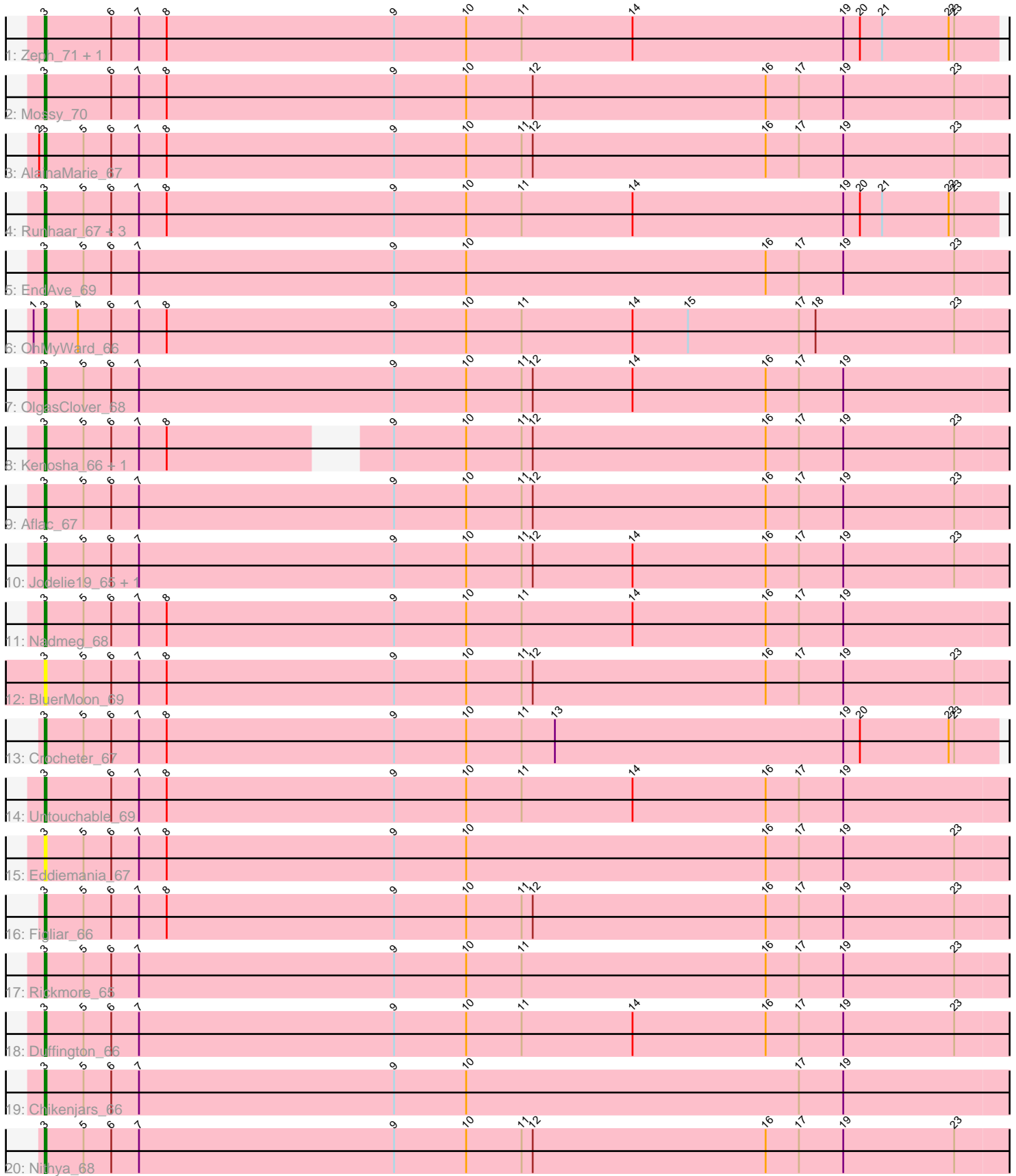


Pham 86496



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 86496 Report

This analysis was run 04/28/24 on database version 559.

Pham number 86496 has 26 members, 5 are drafts.

Phages represented in each track:

- Track 1 : Zeph_71, Hydrus_69
- Track 2 : Mossy_70
- Track 3 : AlainaMarie_67
- Track 4 : Runhaar_67, Vardy_66, Madvan_66, Phepper_68
- Track 5 : EndAve_69
- Track 6 : OhMyWard_66
- Track 7 : OlgasClover_68
- Track 8 : Kenosha_66, Burley_67
- Track 9 : Aflac_67
- Track 10 : Jodelie19_65, TenaciousP_72
- Track 11 : Nadmeg_68
- Track 12 : BluerMoon_69
- Track 13 : Crocheter_67
- Track 14 : Untouchable_69
- Track 15 : Eddiemania_67
- Track 16 : Figliar_66
- Track 17 : Rickmore_65
- Track 18 : Duffington_66
- Track 19 : Chickenjars_66
- Track 20 : Nithya_68

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

The start number called the most often in the published annotations is 3, it was called in 21 of the 21 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Aflac_67, AlainaMarie_67, BluerMoon_69, Burley_67, Chickenjars_66, Crocheter_67, Duffington_66, Eddiemania_67, EndAve_69, Figliar_66, Hydrus_69, Jodelie19_65, Kenosha_66, Madvan_66, Mossy_70, Nadmeg_68, Nithya_68, OhMyWard_66, OlgasClover_68, Phepper_68, Rickmore_65, Runhaar_67, TenaciousP_72, Untouchable_69, Vardy_66, Zeph_71,

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

-

Genes that do not have the "Most Annotated" start:

-

Summary by start number:

Start 3:

- Found in 26 of 26 (100.0%) of genes in pham
- Manual Annotations of this start: 21 of 21
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Aflac_67 (DJ), AlainaMarie_67 (DJ), BluerMoon_69 (DJ), Burley_67 (DJ), Chickenjars_66 (DJ), Crocheter_67 (DJ), Duffington_66 (DJ), Eddiemania_67 (DJ), EndAve_69 (DJ), Figliar_66 (DJ), Hydrus_69 (DJ), Jodelie19_65 (DJ), Kenosha_66 (DJ), Madvan_66 (DJ), Mossy_70 (DJ), Nadmeg_68 (DJ), Nithya_68 (DJ), OhMyWard_66 (DJ), OlgasClover_68 (DJ), Phepper_68 (DJ), Rickmore_65 (DJ), Runhaar_67 (DJ), TenaciousP_72 (DJ), Untouchable_69 (DJ), Vardy_66 (DJ), Zeph_71 (DJ),

Summary by clusters:

There is one cluster represented in this pham: DJ

Info for manual annotations of cluster DJ:

- Start number 3 was manually annotated 21 times for cluster DJ.

Gene Information:

Gene: Aflac_67 Start: 48060, Stop: 48584, Start Num: 3

Candidate Starts for Aflac_67:

(Start: 3 @48060 has 21 MA's), (5, 48081), (6, 48096), (7, 48111), (9, 48249), (10, 48288), (11, 48318), (12, 48324), (16, 48450), (17, 48468), (19, 48492), (23, 48552),

Gene: AlainaMarie_67 Start: 48101, Stop: 48625, Start Num: 3

Candidate Starts for AlainaMarie_67:

(2, 48098), (Start: 3 @48101 has 21 MA's), (5, 48122), (6, 48137), (7, 48152), (8, 48167), (9, 48290), (10, 48329), (11, 48359), (12, 48365), (16, 48491), (17, 48509), (19, 48533), (23, 48593),

Gene: BluerMoon_69 Start: 48012, Stop: 48536, Start Num: 3

Candidate Starts for BluerMoon_69:

(Start: 3 @48012 has 21 MA's), (5, 48033), (6, 48048), (7, 48063), (8, 48078), (9, 48201), (10, 48240), (11, 48270), (12, 48276), (16, 48402), (17, 48420), (19, 48444), (23, 48504),

Gene: Burley_67 Start: 47304, Stop: 47828, Start Num: 3

Candidate Starts for Burley_67:

(Start: 3 @47304 has 21 MA's), (5, 47325), (6, 47340), (7, 47355), (8, 47370), (9, 47493), (10, 47532), (11, 47562), (12, 47568), (16, 47694), (17, 47712), (19, 47736), (23, 47796),

Gene: Chickenjars_66 Start: 48121, Stop: 48645, Start Num: 3

Candidate Starts for Chickenjars_66:

(Start: 3 @48121 has 21 MA's), (5, 48142), (6, 48157), (7, 48172), (9, 48310), (10, 48349), (17, 48529), (19, 48553),

Gene: Crocheter_67 Start: 47742, Stop: 48257, Start Num: 3

Candidate Starts for Crocheter_67:

(Start: 3 @47742 has 21 MA's), (5, 47763), (6, 47778), (7, 47793), (8, 47808), (9, 47931), (10, 47970), (11, 48000), (13, 48018), (19, 48174), (20, 48183), (22, 48231), (23, 48234),

Gene: Duffington_66 Start: 47818, Stop: 48342, Start Num: 3

Candidate Starts for Duffington_66:

(Start: 3 @47818 has 21 MA's), (5, 47839), (6, 47854), (7, 47869), (9, 48007), (10, 48046), (11, 48076), (14, 48136), (16, 48208), (17, 48226), (19, 48250), (23, 48310),

Gene: Eddiemania_67 Start: 48493, Stop: 49017, Start Num: 3

Candidate Starts for Eddiemania_67:

(Start: 3 @48493 has 21 MA's), (5, 48514), (6, 48529), (7, 48544), (8, 48559), (9, 48682), (10, 48721), (16, 48883), (17, 48901), (19, 48925), (23, 48985),

Gene: EndAve_69 Start: 48288, Stop: 48812, Start Num: 3

Candidate Starts for EndAve_69:

(Start: 3 @48288 has 21 MA's), (5, 48309), (6, 48324), (7, 48339), (9, 48477), (10, 48516), (16, 48678), (17, 48696), (19, 48720), (23, 48780),

Gene: Figliar_66 Start: 48129, Stop: 48653, Start Num: 3

Candidate Starts for Figliar_66:

(Start: 3 @48129 has 21 MA's), (5, 48150), (6, 48165), (7, 48180), (8, 48195), (9, 48318), (10, 48357), (11, 48387), (12, 48393), (16, 48519), (17, 48537), (19, 48561), (23, 48621),

Gene: Hydrus_69 Start: 48468, Stop: 48983, Start Num: 3

Candidate Starts for Hydrus_69:

(Start: 3 @48468 has 21 MA's), (6, 48504), (7, 48519), (8, 48534), (9, 48657), (10, 48696), (11, 48726), (14, 48786), (19, 48900), (20, 48909), (21, 48921), (22, 48957), (23, 48960),

Gene: Jodelie19_65 Start: 49048, Stop: 49572, Start Num: 3

Candidate Starts for Jodelie19_65:

(Start: 3 @49048 has 21 MA's), (5, 49069), (6, 49084), (7, 49099), (9, 49237), (10, 49276), (11, 49306), (12, 49312), (14, 49366), (16, 49438), (17, 49456), (19, 49480), (23, 49540),

Gene: Kenosha_66 Start: 47922, Stop: 48419, Start Num: 3

Candidate Starts for Kenosha_66:

(Start: 3 @47922 has 21 MA's), (5, 47943), (6, 47958), (7, 47973), (8, 47988), (9, 48084), (10, 48123), (11, 48153), (12, 48159), (16, 48285), (17, 48303), (19, 48327), (23, 48387),

Gene: Madvan_66 Start: 47356, Stop: 47871, Start Num: 3

Candidate Starts for Madvan_66:

(Start: 3 @47356 has 21 MA's), (5, 47377), (6, 47392), (7, 47407), (8, 47422), (9, 47545), (10, 47584), (11, 47614), (14, 47674), (19, 47788), (20, 47797), (21, 47809), (22, 47845), (23, 47848),

Gene: Mossy_70 Start: 49326, Stop: 49850, Start Num: 3

Candidate Starts for Mossy_70:

(Start: 3 @49326 has 21 MA's), (6, 49362), (7, 49377), (8, 49392), (9, 49515), (10, 49554), (12, 49590), (16, 49716), (17, 49734), (19, 49758), (23, 49818),

Gene: Nadmeg_68 Start: 48586, Stop: 49110, Start Num: 3

Candidate Starts for Nadmeg_68:

(Start: 3 @48586 has 21 MA's), (5, 48607), (6, 48622), (7, 48637), (8, 48652), (9, 48775), (10, 48814), (11, 48844), (14, 48904), (16, 48976), (17, 48994), (19, 49018),

Gene: Nithya_68 Start: 47989, Stop: 48513, Start Num: 3

Candidate Starts for Nithya_68:

(Start: 3 @47989 has 21 MA's), (5, 48010), (6, 48025), (7, 48040), (9, 48178), (10, 48217), (11, 48247), (12, 48253), (16, 48379), (17, 48397), (19, 48421), (23, 48481),

Gene: OhMyWard_66 Start: 49085, Stop: 49609, Start Num: 3

Candidate Starts for OhMyWard_66:

(1, 49079), (Start: 3 @49085 has 21 MA's), (4, 49103), (6, 49121), (7, 49136), (8, 49151), (9, 49274), (10, 49313), (11, 49343), (14, 49403), (15, 49433), (17, 49493), (18, 49502), (23, 49577),

Gene: OlgasClover_68 Start: 48638, Stop: 49162, Start Num: 3

Candidate Starts for OlgasClover_68:

(Start: 3 @48638 has 21 MA's), (5, 48659), (6, 48674), (7, 48689), (9, 48827), (10, 48866), (11, 48896), (12, 48902), (14, 48956), (16, 49028), (17, 49046), (19, 49070),

Gene: Phepper_68 Start: 47598, Stop: 48113, Start Num: 3

Candidate Starts for Phepper_68:

(Start: 3 @47598 has 21 MA's), (5, 47619), (6, 47634), (7, 47649), (8, 47664), (9, 47787), (10, 47826), (11, 47856), (14, 47916), (19, 48030), (20, 48039), (21, 48051), (22, 48087), (23, 48090),

Gene: Rickmore_65 Start: 46505, Stop: 47029, Start Num: 3

Candidate Starts for Rickmore_65:

(Start: 3 @46505 has 21 MA's), (5, 46526), (6, 46541), (7, 46556), (9, 46694), (10, 46733), (11, 46763), (16, 46895), (17, 46913), (19, 46937), (23, 46997),

Gene: Runhaar_67 Start: 47407, Stop: 47922, Start Num: 3

Candidate Starts for Runhaar_67:

(Start: 3 @47407 has 21 MA's), (5, 47428), (6, 47443), (7, 47458), (8, 47473), (9, 47596), (10, 47635), (11, 47665), (14, 47725), (19, 47839), (20, 47848), (21, 47860), (22, 47896), (23, 47899),

Gene: TenaciousP_72 Start: 49010, Stop: 49534, Start Num: 3

Candidate Starts for TenaciousP_72:

(Start: 3 @49010 has 21 MA's), (5, 49031), (6, 49046), (7, 49061), (9, 49199), (10, 49238), (11, 49268), (12, 49274), (14, 49328), (16, 49400), (17, 49418), (19, 49442), (23, 49502),

Gene: Untouchable_69 Start: 48596, Stop: 49120, Start Num: 3

Candidate Starts for Untouchable_69:

(Start: 3 @48596 has 21 MA's), (6, 48632), (7, 48647), (8, 48662), (9, 48785), (10, 48824), (11, 48854), (14, 48914), (16, 48986), (17, 49004), (19, 49028),

Gene: Vardy_66 Start: 47297, Stop: 47812, Start Num: 3

Candidate Starts for Vardy_66:

(Start: 3 @47297 has 21 MA's), (5, 47318), (6, 47333), (7, 47348), (8, 47363), (9, 47486), (10, 47525), (11, 47555), (14, 47615), (19, 47729), (20, 47738), (21, 47750), (22, 47786), (23, 47789),

Gene: Zeph_71 Start: 48435, Stop: 48950, Start Num: 3

Candidate Starts for Zeph_71:

(Start: 3 @48435 has 21 MA's), (6, 48471), (7, 48486), (8, 48501), (9, 48624), (10, 48663), (11, 48693), (14, 48753), (19, 48867), (20, 48876), (21, 48888), (22, 48924), (23, 48927),