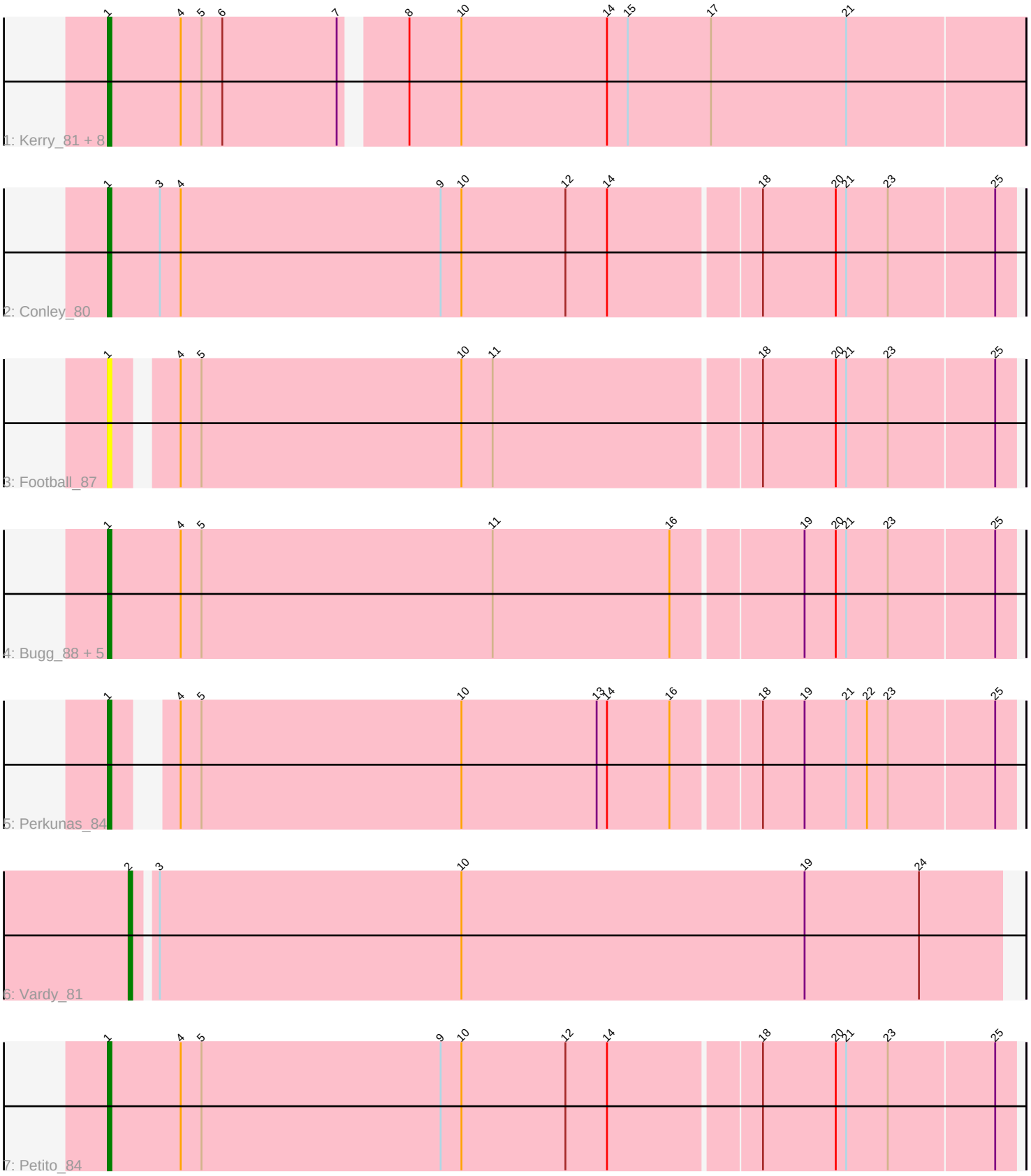
Pham 348053


1: Kerry_81 + 8
2: Conley_80
3: Football_87
4: Bugg_88 + 5
5: Perkunas_84
6: Vardy_81
7: Petito_84

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 348053 Report

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

Pham number 348053 has 20 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Kerry_81, Capybara_82, Gill_82, NoPickles_83, Roney_81, Tanis_82, Odesza_81, Magel_83, Gravy_81
• Track 2 : Conley_80
• Track 3 : Football_87
• Track 4 : Bugg_88, Dancer_84, FortCran_84, Artorias_84, Tairn4Wing_87, Trufflozitus_85
• Track 5 : Perkunas_84
• Track 6 : Vardy_81
• Track 7 : Petito_84

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

The start number called the most often in the published annotations is 1, it was called in 16 of the 17 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Artorias_84, Bugg_88, Capybara_82, Conley_80, Dancer_84, Football_87, FortCran_84, Gill_82, Gravy_81, Kerry_81, Magel_83, NoPickles_83, Odesza_81, Perkunas_84, Petito_84, Roney_81, Tairn4Wing_87, Tanis_82, Trufflozitus_85,

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

Genes that do not have the "Most Annotated" start:
• Vardy_81,

Summary by start number:

Start 1:
• Found in 19 of 20 (95.0%) of genes in pham
• Manual Annotations of this start: 16 of 17
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Artorias_84 (DJ), Bugg_88 (DJ), Capybara_82 (DJ), Conley_80 (DJ), Dancer_84 (DJ), Football_87 (DJ), FortCran_84

(DJ), Gill_82 (DJ), Gravy_81 (DJ), Kerry_81 (DJ), Magel_83 (DJ), NoPickles_83 (DJ), Odesza_81 (DJ), Perkunas_84 (DJ), Petito_84 (DJ), Roney_81 (DJ), Tairn4Wing_87 (DJ), Tanis_82 (DJ), Trufflozitus_85 (DJ),

Start 2:
• Found in 1 of 20 (5.0%) of genes in pham
• Manual Annotations of this start: 1 of 17
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Vardy_81 (DJ),

Summary by clusters:

There is one cluster represented in this pham: DJ

Info for manual annotations of cluster DJ:
•Start number 1 was manually annotated 16 times for cluster DJ.
•Start number 2 was manually annotated 1 time for cluster DJ.

Gene Information:

Gene: Artorias_84 Start: 52532, Stop: 52789, Start Num: 1
Candidate Starts for Artorias_84:
(Start: 1 @52532 has 16 MA's), (4, 52553), (5, 52559), (11, 52643), (16, 52694), (19, 52730), (20, 52739), (21, 52742), (23, 52754), (25, 52784),

Gene: Bugg_88 Start: 52577, Stop: 52834, Start Num: 1
Candidate Starts for Bugg_88:
(Start: 1 @52577 has 16 MA's), (4, 52598), (5, 52604), (11, 52688), (16, 52739), (19, 52775), (20, 52784), (21, 52787), (23, 52799), (25, 52829),

Gene: Capybara_82 Start: 52199, Stop: 52456, Start Num: 1
Candidate Starts for Capybara_82:
(Start: 1 @52199 has 16 MA's), (4, 52220), (5, 52226), (6, 52232), (7, 52265), (8, 52280), (10, 52295), (14, 52337), (15, 52343), (17, 52367), (21, 52406),

Gene: Conley_80 Start: 52323, Stop: 52580, Start Num: 1
Candidate Starts for Conley_80:
(Start: 1 @52323 has 16 MA's), (3, 52338), (4, 52344), (9, 52419), (10, 52425), (12, 52455), (14, 52467), (18, 52509), (20, 52530), (21, 52533), (23, 52545), (25, 52575),

Gene: Dancer_84 Start: 52269, Stop: 52526, Start Num: 1
Candidate Starts for Dancer_84:
(Start: 1 @52269 has 16 MA's), (4, 52290), (5, 52296), (11, 52380), (16, 52431), (19, 52467), (20, 52476), (21, 52479), (23, 52491), (25, 52521),

Gene: Football_87 Start: 52159, Stop: 52410, Start Num: 1
Candidate Starts for Football_87:
(Start: 1 @52159 has 16 MA's), (4, 52174), (5, 52180), (10, 52255), (11, 52264), (18, 52339), (20, 52360), (21, 52363), (23, 52375), (25, 52405),

Gene: FortCran_84 Start: 52532, Stop: 52789, Start Num: 1

Candidate Starts for FortCran_84:
(Start: 1 @52532 has 16 MA's), (4, 52553), (5, 52559), (11, 52643), (16, 52694), (19, 52730), (20, 52739), (21, 52742), (23, 52754), (25, 52784),

Gene: Gill_82 Start: 52226, Stop: 52483, Start Num: 1
Candidate Starts for Gill_82:
(Start: 1 @52226 has 16 MA's), (4, 52247), (5, 52253), (6, 52259), (7, 52292), (8, 52307), (10, 52322), (14, 52364), (15, 52370), (17, 52394), (21, 52433),

Gene: Gravy_81 Start: 51889, Stop: 52146, Start Num: 1
Candidate Starts for Gravy_81:
(Start: 1 @51889 has 16 MA's), (4, 51910), (5, 51916), (6, 51922), (7, 51955), (8, 51970), (10, 51985), (14, 52027), (15, 52033), (17, 52057), (21, 52096),

Gene: Kerry_81 Start: 51952, Stop: 52209, Start Num: 1
Candidate Starts for Kerry_81:
(Start: 1 @51952 has 16 MA's), (4, 51973), (5, 51979), (6, 51985), (7, 52018), (8, 52033), (10, 52048), (14, 52090), (15, 52096), (17, 52120), (21, 52159),

Gene: Magel_83 Start: 52141, Stop: 52398, Start Num: 1
Candidate Starts for Magel_83:
(Start: 1 @52141 has 16 MA's), (4, 52162), (5, 52168), (6, 52174), (7, 52207), (8, 52222), (10, 52237), (14, 52279), (15, 52285), (17, 52309), (21, 52348),

Gene: NoPickles_83 Start: 52048, Stop: 52305, Start Num: 1
Candidate Starts for NoPickles_83:
(Start: 1 @52048 has 16 MA's), (4, 52069), (5, 52075), (6, 52081), (7, 52114), (8, 52129), (10, 52144), (14, 52186), (15, 52192), (17, 52216), (21, 52255),

Gene: Odesza_81 Start: 52088, Stop: 52345, Start Num: 1
Candidate Starts for Odesza_81:
(Start: 1 @52088 has 16 MA's), (4, 52109), (5, 52115), (6, 52121), (7, 52154), (8, 52169), (10, 52184), (14, 52226), (15, 52232), (17, 52256), (21, 52295),

Gene: Perkunas_84 Start: 52146, Stop: 52394, Start Num: 1
Candidate Starts for Perkunas_84:
(Start: 1 @52146 has 16 MA's), (4, 52158), (5, 52164), (10, 52239), (13, 52278), (14, 52281), (16, 52299), (18, 52323), (19, 52335), (21, 52347), (22, 52353), (23, 52359), (25, 52389),

Gene: Petito_84 Start: 53272, Stop: 53529, Start Num: 1
Candidate Starts for Petito_84:
(Start: 1 @53272 has 16 MA's), (4, 53293), (5, 53299), (9, 53368), (10, 53374), (12, 53404), (14, 53416), (18, 53458), (20, 53479), (21, 53482), (23, 53494), (25, 53524),

Gene: Roney_81 Start: 52251, Stop: 52508, Start Num: 1
Candidate Starts for Roney_81:
(Start: 1 @52251 has 16 MA's), (4, 52272), (5, 52278), (6, 52284), (7, 52317), (8, 52332), (10, 52347), (14, 52389), (15, 52395), (17, 52419), (21, 52458),

Gene: Tairn4Wing_87 Start: 52370, Stop: 52627, Start Num: 1
Candidate Starts for Tairn4Wing_87:
(Start: 1 @52370 has 16 MA's), (4, 52391), (5, 52397), (11, 52481), (16, 52532), (19, 52568), (20, 52577), (21, 52580), (23, 52592), (25, 52622),

Gene: Tanis_82 Start: 52071, Stop: 52328, Start Num: 1
Candidate Starts for Tanis_82:
(Start: 1 @52071 has 16 MA's), (4, 52092), (5, 52098), (6, 52104), (7, 52137), (8, 52152), (10, 52167), (14, 52209), (15, 52215), (17, 52239), (21, 52278),

Gene: Trufflozitus_85 Start: 52885, Stop: 53142, Start Num: 1
Candidate Starts for Trufflozitus_85:
(Start: 1 @52885 has 16 MA's), (4, 52906), (5, 52912), (11, 52996), (16, 53047), (19, 53083), (20, 53092), (21, 53095), (23, 53107), (25, 53137),

Gene: Vardy_81 Start: 52636, Stop: 52884, Start Num: 2
Candidate Starts for Vardy_81:
(Start: 2 @52636 has 1 MA's), (3, 52642), (10, 52729), (19, 52828), (24, 52861),