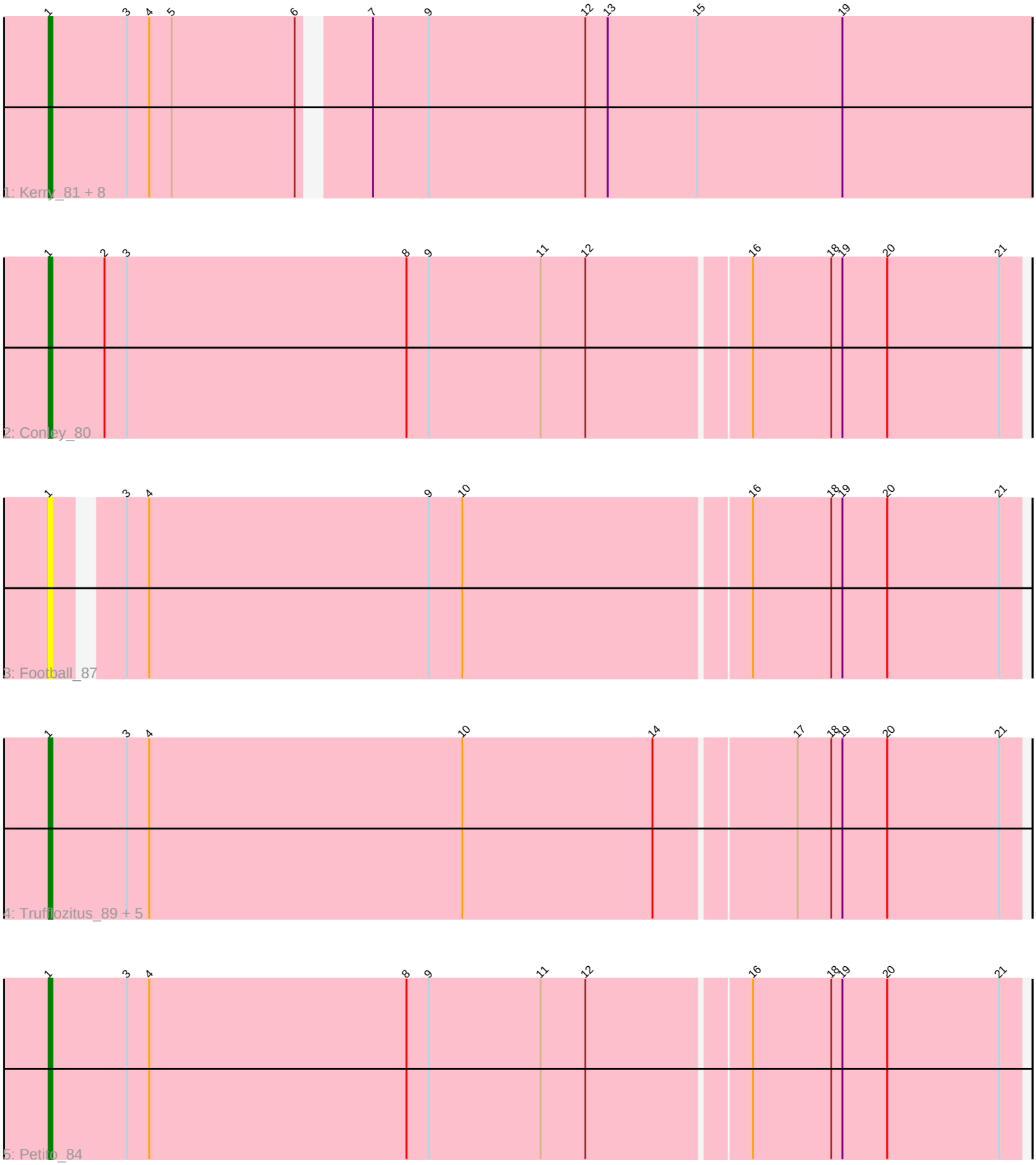
Pham 297024


1 3 4 5 6 7 9 12 13 15 19
1: Kerry_81 + 8
1 2 3 8 9 11 12 16 18 19 20 21
2: Conley_80
1 3 4 9 10 16 18 19 20 21
3: Football_87
1 3 4 10 14 17 18 19 20 21
4: Truffiozitus_89 + 5
1 3 4 8 9 11 12 16 18 19 20 21
5: 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 297024 Report

This analysis was run 04/25/26 on database version 644.

Pham number 297024 has 18 members, 4 are drafts.

Phages represented in each track:
• Track 1 : Kerry_81, Capybara_82, Gill_82, Roney_81, Tanis_82, Odesza_81, Magel_83, Gravy_81, NoPickles_83
• Track 2 : Conley_80
• Track 3 : Football_87
• Track 4 : Trufflozitus_89, Bugg_88, Dancer_84, FortCran_84, Artorias_84, Tairn4Wing_87
• Track 5 : 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 14 of the 14 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, Petito_84, Roney_81, Tairn4Wing_87, Tanis_82, Trufflozitus_89,

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 1:
• Found in 18 of 18 (100.0%) of genes in pham
• Manual Annotations of this start: 14 of 14
• 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), Petito_84 (DJ), Roney_81 (DJ), Tairn4Wing_87 (DJ), Tanis_82

(DJ), Trufflozitus_89 (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 14 times for cluster DJ.

Gene Information:

Gene: Artorias_84 Start: 52532, Stop: 52789, Start Num: 1
Candidate Starts for Artorias_84:
(Start: 1 @52532 has 14 MA's), (3, 52553), (4, 52559), (10, 52643), (14, 52694), (17, 52730), (18, 52739), (19, 52742), (20, 52754), (21, 52784),

Gene: Bugg_88 Start: 52577, Stop: 52834, Start Num: 1
Candidate Starts for Bugg_88:
(Start: 1 @52577 has 14 MA's), (3, 52598), (4, 52604), (10, 52688), (14, 52739), (17, 52775), (18, 52784), (19, 52787), (20, 52799), (21, 52829),

Gene: Capybara_82 Start: 52199, Stop: 52456, Start Num: 1
Candidate Starts for Capybara_82:
(Start: 1 @52199 has 14 MA's), (3, 52220), (4, 52226), (5, 52232), (6, 52265), (7, 52280), (9, 52295), (12, 52337), (13, 52343), (15, 52367), (19, 52406),

Gene: Conley_80 Start: 52323, Stop: 52580, Start Num: 1
Candidate Starts for Conley_80:
(Start: 1 @52323 has 14 MA's), (2, 52338), (3, 52344), (8, 52419), (9, 52425), (11, 52455), (12, 52467), (16, 52509), (18, 52530), (19, 52533), (20, 52545), (21, 52575),

Gene: Dancer_84 Start: 52269, Stop: 52526, Start Num: 1
Candidate Starts for Dancer_84:
(Start: 1 @52269 has 14 MA's), (3, 52290), (4, 52296), (10, 52380), (14, 52431), (17, 52467), (18, 52476), (19, 52479), (20, 52491), (21, 52521),

Gene: Football_87 Start: 52159, Stop: 52410, Start Num: 1
Candidate Starts for Football_87:
(Start: 1 @52159 has 14 MA's), (3, 52174), (4, 52180), (9, 52255), (10, 52264), (16, 52339), (18, 52360), (19, 52363), (20, 52375), (21, 52405),

Gene: FortCran_84 Start: 52532, Stop: 52789, Start Num: 1
Candidate Starts for FortCran_84:
(Start: 1 @52532 has 14 MA's), (3, 52553), (4, 52559), (10, 52643), (14, 52694), (17, 52730), (18, 52739), (19, 52742), (20, 52754), (21, 52784),

Gene: Gill_82 Start: 52226, Stop: 52483, Start Num: 1
Candidate Starts for Gill_82:
(Start: 1 @52226 has 14 MA's), (3, 52247), (4, 52253), (5, 52259), (6, 52292), (7, 52307), (9, 52322), (12, 52364), (13, 52370), (15, 52394), (19, 52433),

Gene: Gravy_81 Start: 51889, Stop: 52146, Start Num: 1
Candidate Starts for Gravy_81:
(Start: 1 @51889 has 14 MA's), (3, 51910), (4, 51916), (5, 51922), (6, 51955), (7, 51970), (9, 51985), (12, 52027), (13, 52033), (15, 52057), (19, 52096),

Gene: Kerry_81 Start: 51952, Stop: 52209, Start Num: 1
Candidate Starts for Kerry_81:
(Start: 1 @51952 has 14 MA's), (3, 51973), (4, 51979), (5, 51985), (6, 52018), (7, 52033), (9, 52048), (12, 52090), (13, 52096), (15, 52120), (19, 52159),

Gene: Magel_83 Start: 52141, Stop: 52398, Start Num: 1
Candidate Starts for Magel_83:
(Start: 1 @52141 has 14 MA's), (3, 52162), (4, 52168), (5, 52174), (6, 52207), (7, 52222), (9, 52237), (12, 52279), (13, 52285), (15, 52309), (19, 52348),

Gene: NoPickles_83 Start: 52048, Stop: 52305, Start Num: 1
Candidate Starts for NoPickles_83:
(Start: 1 @52048 has 14 MA's), (3, 52069), (4, 52075), (5, 52081), (6, 52114), (7, 52129), (9, 52144), (12, 52186), (13, 52192), (15, 52216), (19, 52255),

Gene: Odesza_81 Start: 52088, Stop: 52345, Start Num: 1
Candidate Starts for Odesza_81:
(Start: 1 @52088 has 14 MA's), (3, 52109), (4, 52115), (5, 52121), (6, 52154), (7, 52169), (9, 52184), (12, 52226), (13, 52232), (15, 52256), (19, 52295),

Gene: Petito_84 Start: 53272, Stop: 53529, Start Num: 1
Candidate Starts for Petito_84:
(Start: 1 @53272 has 14 MA's), (3, 53293), (4, 53299), (8, 53368), (9, 53374), (11, 53404), (12, 53416), (16, 53458), (18, 53479), (19, 53482), (20, 53494), (21, 53524),

Gene: Roney_81 Start: 52251, Stop: 52508, Start Num: 1
Candidate Starts for Roney_81:
(Start: 1 @52251 has 14 MA's), (3, 52272), (4, 52278), (5, 52284), (6, 52317), (7, 52332), (9, 52347), (12, 52389), (13, 52395), (15, 52419), (19, 52458),

Gene: Tairn4Wing_87 Start: 52370, Stop: 52627, Start Num: 1
Candidate Starts for Tairn4Wing_87:
(Start: 1 @52370 has 14 MA's), (3, 52391), (4, 52397), (10, 52481), (14, 52532), (17, 52568), (18, 52577), (19, 52580), (20, 52592), (21, 52622),

Gene: Tanis_82 Start: 52071, Stop: 52328, Start Num: 1
Candidate Starts for Tanis_82:
(Start: 1 @52071 has 14 MA's), (3, 52092), (4, 52098), (5, 52104), (6, 52137), (7, 52152), (9, 52167), (12, 52209), (13, 52215), (15, 52239), (19, 52278),

Gene: Trufflozitus_89 Start: 52885, Stop: 53142, Start Num: 1
Candidate Starts for Trufflozitus_89:
(Start: 1 @52885 has 14 MA's), (3, 52906), (4, 52912), (10, 52996), (14, 53047), (17, 53083), (18, 53092), (19, 53095), (20, 53107), (21, 53137),