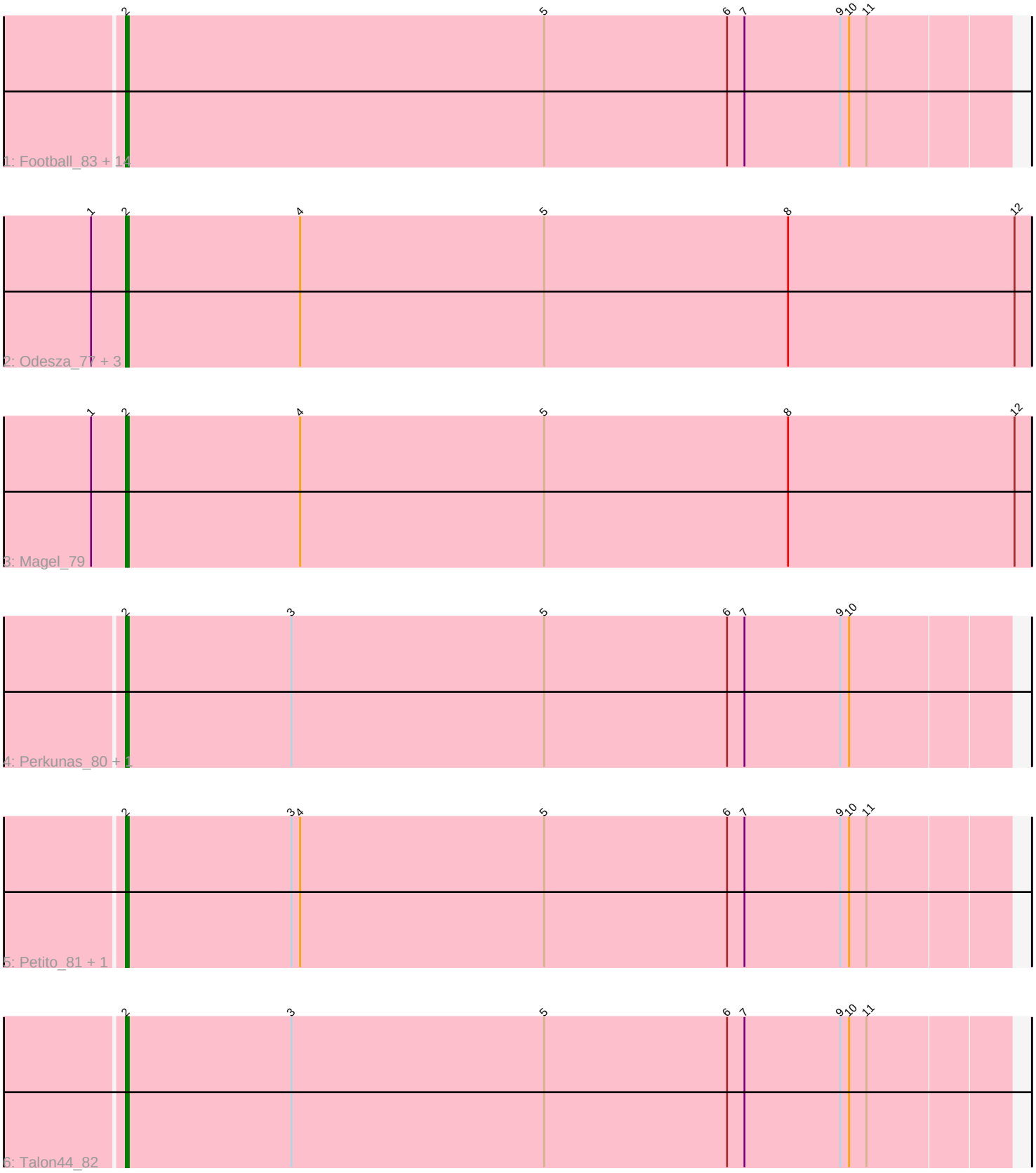
Pham 342491


2
5
6
7
9
10
11
1: Football_83 + 14
1
2
4
5
8
12
2: Odesza_77 + 3
1
2
4
5
8
12
3: Magel_79
2
3
5
6
7
9
10
4: Perkunas_80 + 1
2
3
4
5
6
7
9
10
11
5: Petito_81 + 1
2
3
5
6
7
9
10
11
6: Talon44_82

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 342491 Report

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

Pham number 342491 has 25 members, 5 are drafts.

Phages represented in each track:
• Track 1 : Football_83, FortCran_80, Bugg_84, Tairn4Wing_83, Artorias_80, Kerry_77, ChickyNuggy_83, Capybara_78, Captrips_79, Trufflozitus_81, JulesRay_80, NoPickles_79, Gravy_77, Dancer_80, Avazak_81
• Track 2 : Odesza_77, Gill_78, Roney_77, Tanis_78
• Track 3 : Magel_79
• Track 4 : Perkunas_80, SweetCrkHerbs_81
• Track 5 : Petito_81, Conley_77
• Track 6 : Talon44_82

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

The start number called the most often in the published annotations is 2, it was called in 20 of the 20 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Artorias_80, Avazak_81, Bugg_84, Captrips_79, Capybara_78, ChickyNuggy_83, Conley_77, Dancer_80, Football_83, FortCran_80, Gill_78, Gravy_77, JulesRay_80, Kerry_77, Magel_79, NoPickles_79, Odesza_77, Perkunas_80, Petito_81, Roney_77, SweetCrkHerbs_81, Tairn4Wing_83, Talon44_82, Tanis_78, Trufflozitus_81,

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 2:
• Found in 25 of 25 (100.0%) of genes in pham
• Manual Annotations of this start: 20 of 20
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Artorias_80 (DJ), Avazak_81 (DJ), Bugg_84 (DJ), Captrips_79 (DJ), Capybara_78 (DJ), ChickyNuggy_83 (DJ),

Conley_77 (DJ), Dancer_80 (DJ), Football_83 (DJ), FortCran_80 (DJ), Gill_78 (DJ), Gravy_77 (DJ), JulesRay_80 (DJ), Kerry_77 (DJ), Magel_79 (DJ), NoPickles_79 (DJ), Odesza_77 (DJ), Perkunas_80 (DJ), Petito_81 (DJ), Roney_77 (DJ), SweetCrkHerbs_81 (DJ), Tairn4Wing_83 (DJ), Talon44_82 (DJ), Tanis_78 (DJ), Trufflozitus_81 (DJ),

Summary by clusters:

There is one cluster represented in this pham: DJ

Info for manual annotations of cluster DJ:
•Start number 2 was manually annotated 20 times for cluster DJ.

Gene Information:

Gene: Artorias_80 Start: 51390, Stop: 51692, Start Num: 2
Candidate Starts for Artorias_80:
(Start: 2 @51390 has 20 MA's), (5, 51534), (6, 51597), (7, 51603), (9, 51636), (10, 51639), (11, 51645),

Gene: Avazak_81 Start: 52072, Stop: 52374, Start Num: 2
Candidate Starts for Avazak_81:
(Start: 2 @52072 has 20 MA's), (5, 52216), (6, 52279), (7, 52285), (9, 52318), (10, 52321), (11, 52327),

Gene: Bugg_84 Start: 51435, Stop: 51737, Start Num: 2
Candidate Starts for Bugg_84:
(Start: 2 @51435 has 20 MA's), (5, 51579), (6, 51642), (7, 51648), (9, 51681), (10, 51684), (11, 51690),

Gene: Captrips_79 Start: 51220, Stop: 51522, Start Num: 2
Candidate Starts for Captrips_79:
(Start: 2 @51220 has 20 MA's), (5, 51364), (6, 51427), (7, 51433), (9, 51466), (10, 51469), (11, 51475),

Gene: Capybara_78 Start: 51057, Stop: 51359, Start Num: 2
Candidate Starts for Capybara_78:
(Start: 2 @51057 has 20 MA's), (5, 51201), (6, 51264), (7, 51270), (9, 51303), (10, 51306), (11, 51312),

Gene: ChickyNuggy_83 Start: 51814, Stop: 52116, Start Num: 2
Candidate Starts for ChickyNuggy_83:
(Start: 2 @51814 has 20 MA's), (5, 51958), (6, 52021), (7, 52027), (9, 52060), (10, 52063), (11, 52069),

Gene: Conley_77 Start: 51521, Stop: 51823, Start Num: 2
Candidate Starts for Conley_77:
(Start: 2 @51521 has 20 MA's), (3, 51578), (4, 51581), (5, 51665), (6, 51728), (7, 51734), (9, 51767), (10, 51770), (11, 51776),

Gene: Dancer_80 Start: 51127, Stop: 51429, Start Num: 2
Candidate Starts for Dancer_80:
(Start: 2 @51127 has 20 MA's), (5, 51271), (6, 51334), (7, 51340), (9, 51373), (10, 51376), (11, 51382),

Gene: Football_83 Start: 51017, Stop: 51319, Start Num: 2
Candidate Starts for Football_83:
(Start: 2 @51017 has 20 MA's), (5, 51161), (6, 51224), (7, 51230), (9, 51263), (10, 51266), (11, 51272),

Gene: FortCran_80 Start: 51390, Stop: 51692, Start Num: 2
Candidate Starts for FortCran_80:
(Start: 2 @51390 has 20 MA's), (5, 51534), (6, 51597), (7, 51603), (9, 51636), (10, 51639), (11, 51645),

Gene: Gill_78 Start: 51084, Stop: 51395, Start Num: 2
Candidate Starts for Gill_78:
(1, 51072), (Start: 2 @51084 has 20 MA's), (4, 51144), (5, 51228), (8, 51312), (12, 51390),

Gene: Gravy_77 Start: 50747, Stop: 51049, Start Num: 2
Candidate Starts for Gravy_77:
(Start: 2 @50747 has 20 MA's), (5, 50891), (6, 50954), (7, 50960), (9, 50993), (10, 50996), (11, 51002),

Gene: JulesRay_80 Start: 51739, Stop: 52041, Start Num: 2
Candidate Starts for JulesRay_80:
(Start: 2 @51739 has 20 MA's), (5, 51883), (6, 51946), (7, 51952), (9, 51985), (10, 51988), (11, 51994),

Gene: Kerry_77 Start: 50810, Stop: 51112, Start Num: 2
Candidate Starts for Kerry_77:
(Start: 2 @50810 has 20 MA's), (5, 50954), (6, 51017), (7, 51023), (9, 51056), (10, 51059), (11, 51065),

Gene: Magel_79 Start: 50999, Stop: 51310, Start Num: 2
Candidate Starts for Magel_79:
(1, 50987), (Start: 2 @50999 has 20 MA's), (4, 51059), (5, 51143), (8, 51227), (12, 51305),

Gene: NoPickles_79 Start: 50906, Stop: 51208, Start Num: 2
Candidate Starts for NoPickles_79:
(Start: 2 @50906 has 20 MA's), (5, 51050), (6, 51113), (7, 51119), (9, 51152), (10, 51155), (11, 51161),

Gene: Odesza_77 Start: 50946, Stop: 51257, Start Num: 2
Candidate Starts for Odesza_77:
(1, 50934), (Start: 2 @50946 has 20 MA's), (4, 51006), (5, 51090), (8, 51174), (12, 51252),

Gene: Perkunas_80 Start: 51007, Stop: 51309, Start Num: 2
Candidate Starts for Perkunas_80:
(Start: 2 @51007 has 20 MA's), (3, 51064), (5, 51151), (6, 51214), (7, 51220), (9, 51253), (10, 51256),

Gene: Petito_81 Start: 52473, Stop: 52775, Start Num: 2
Candidate Starts for Petito_81:
(Start: 2 @52473 has 20 MA's), (3, 52530), (4, 52533), (5, 52617), (6, 52680), (7, 52686), (9, 52719),
(10, 52722), (11, 52728),

Gene: Roney_77 Start: 51109, Stop: 51420, Start Num: 2
Candidate Starts for Roney_77:
(1, 51097), (Start: 2 @51109 has 20 MA's), (4, 51169), (5, 51253), (8, 51337), (12, 51415),

Gene: SweetCrkHerbs_81 Start: 51020, Stop: 51322, Start Num: 2
Candidate Starts for SweetCrkHerbs_81:
(Start: 2 @51020 has 20 MA's), (3, 51077), (5, 51164), (6, 51227), (7, 51233), (9, 51266), (10, 51269),

Gene: Tairn4Wing_83 Start: 51228, Stop: 51530, Start Num: 2
Candidate Starts for Tairn4Wing_83:
(Start: 2 @51228 has 20 MA's), (5, 51372), (6, 51435), (7, 51441), (9, 51474), (10, 51477), (11, 51483),

Gene: Talon44_82 Start: 51858, Stop: 52160, Start Num: 2
Candidate Starts for Talon44_82:
(Start: 2 @51858 has 20 MA's), (3, 51915), (5, 52002), (6, 52065), (7, 52071), (9, 52104), (10, 52107), (11, 52113),

Gene: Tanis_78 Start: 50929, Stop: 51240, Start Num: 2
Candidate Starts for Tanis_78:
(1, 50917), (Start: 2 @50929 has 20 MA's), (4, 50989), (5, 51073), (8, 51157), (12, 51235),

Gene: Trufflozitus_81 Start: 51743, Stop: 52045, Start Num: 2
Candidate Starts for Trufflozitus_81:
(Start: 2 @51743 has 20 MA's), (5, 51887), (6, 51950), (7, 51956), (9, 51989), (10, 51992), (11, 51998),