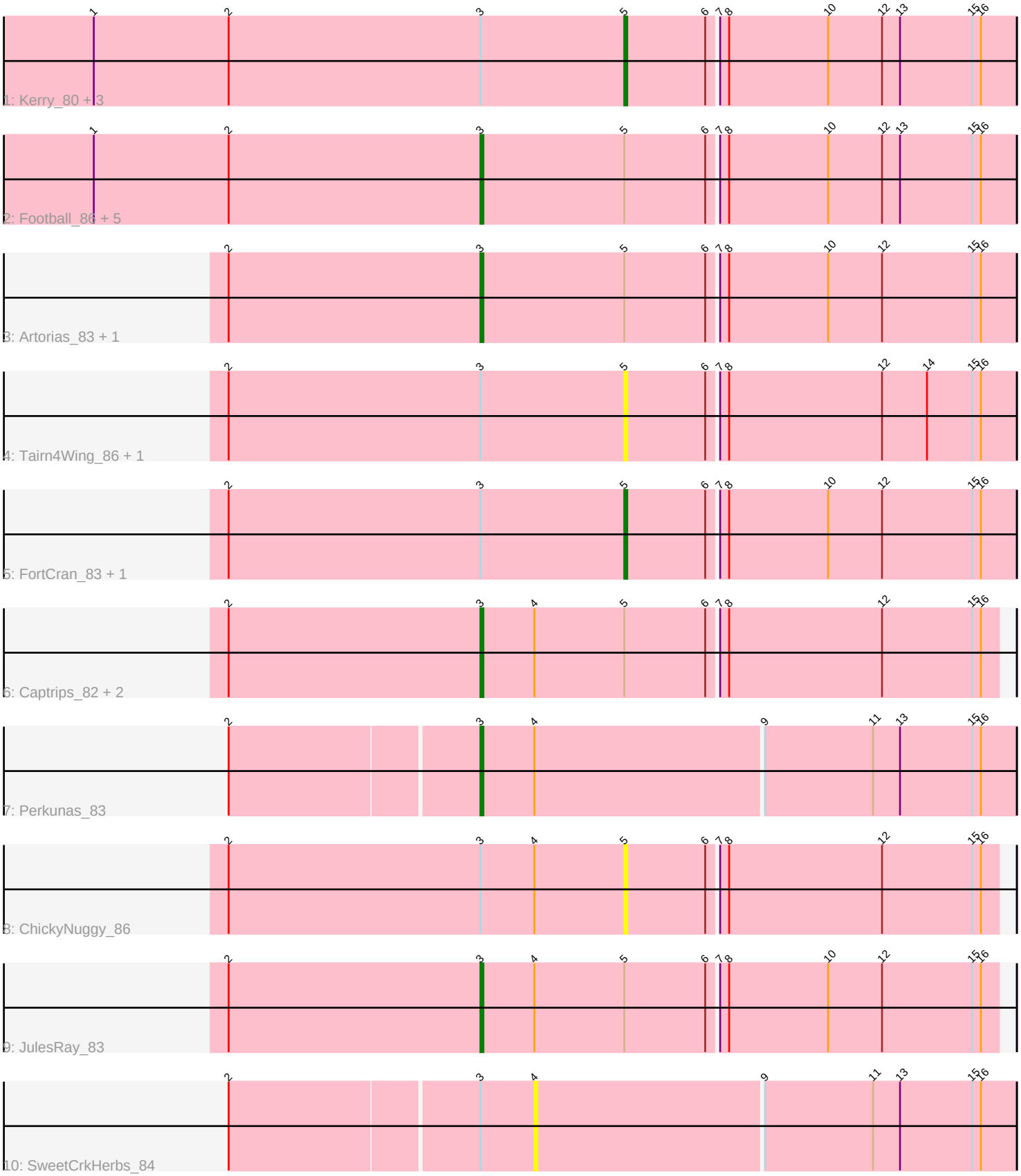
Pham 285873


1: Kerry_80 + 3
2: Football_86 + 5
3: Artorias_83 + 1
4: Tairn4Wing_86 + 1
5: FortCran_83 + 1
6: Captrips_82 + 2
7: Perkunas_83
8: ChickyNuggy_86
9: JulesRay_83
10: SweetCrkHerbs_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 285873 Report

This analysis was run 03/28/26 on database version 641.

Pham number 285873 has 23 members, 6 are drafts.

Phages represented in each track:
• Track 1 : Kerry_80, Capybara_81, Gravy_80, Tanis_81
• Track 2 : Football_86, NoPickles_82, Gill_81, Magel_82, Roney_80, Odesza_80
• Track 3 : Artorias_83, Dancer_83
• Track 4 : Tairn4Wing_86, Trufflozitus_88
• Track 5 : FortCran_83, Bugg_87
• Track 6 : Captrips_82, Talon44_85, Avazak_84
• Track 7 : Perkunas_83
• Track 8 : ChickyNuggy_86
• Track 9 : JulesRay_83
• Track 10 : SweetCrkHerbs_84

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 12 of the 17 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Artorias_83, Avazak_84, Captrips_82, Dancer_83, Football_86, Gill_81, JulesRay_83, Magel_82, NoPickles_82, Odesza_80, Perkunas_83, Roney_80, Talon44_85,

Genes that have the "Most Annotated" start but do not call it:
• Bugg_87, Capybara_81, ChickyNuggy_86, FortCran_83, Gravy_80, Kerry_80, SweetCrkHerbs_84, Tairn4Wing_86, Tanis_81, Trufflozitus_88,

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

Summary by start number:

Start 3:
• Found in 23 of 23 (100.0%) of genes in pham
• Manual Annotations of this start: 12 of 17
• Called 56.5% of time when present

• Phage (with cluster) where this start called: Artorias_83 (DJ), Avazak_84 (DJ), Captrips_82 (DJ), Dancer_83 (DJ), Football_86 (DJ), Gill_81 (DJ), JulesRay_83 (DJ), Magel_82 (DJ), NoPickles_82 (DJ), Odesza_80 (DJ), Perkunas_83 (DJ), Roney_80 (DJ), Talon44_85 (DJ),

Start 4:
• Found in 7 of 23 (30.4%) of genes in pham
• No Manual Annotations of this start.
• Called 14.3% of time when present
• Phage (with cluster) where this start called: SweetCrkHerbs_84 (DJ),

Start 5:
• Found in 21 of 23 (91.3%) of genes in pham
• Manual Annotations of this start: 5 of 17
• Called 42.9% of time when present
• Phage (with cluster) where this start called: Bugg_87 (DJ), Capybara_81 (DJ), ChickyNuggy_86 (DJ), FortCran_83 (DJ), Gravy_80 (DJ), Kerry_80 (DJ), Tairn4Wing_86 (DJ), Tanis_81 (DJ), Trufflozitus_88 (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 12 times for cluster DJ.
•Start number 5 was manually annotated 5 times for cluster DJ.

Gene Information:

Gene: Artorias_83 Start: 52354, Stop: 52530, Start Num: 3
Candidate Starts for Artorias_83:
(2, 52270), (Start: 3 @52354 has 12 MA's), (Start: 5 @52402 has 5 MA's), (6, 52429), (7, 52432), (8, 52435), (10, 52468), (12, 52486), (15, 52516), (16, 52519),

Gene: Avazak_84 Start: 53036, Stop: 53206, Start Num: 3
Candidate Starts for Avazak_84:
(2, 52952), (Start: 3 @53036 has 12 MA's), (4, 53054), (Start: 5 @53084 has 5 MA's), (6, 53111), (7, 53114), (8, 53117), (12, 53168), (15, 53198), (16, 53201),

Gene: Bugg_87 Start: 52447, Stop: 52575, Start Num: 5
Candidate Starts for Bugg_87:
(2, 52315), (Start: 3 @52399 has 12 MA's), (Start: 5 @52447 has 5 MA's), (6, 52474), (7, 52477), (8, 52480), (10, 52513), (12, 52531), (15, 52561), (16, 52564),

Gene: Captrips_82 Start: 52184, Stop: 52354, Start Num: 3
Candidate Starts for Captrips_82:
(2, 52100), (Start: 3 @52184 has 12 MA's), (4, 52202), (Start: 5 @52232 has 5 MA's), (6, 52259), (7, 52262), (8, 52265), (12, 52316), (15, 52346), (16, 52349),

Gene: Capybara_81 Start: 52069, Stop: 52197, Start Num: 5
Candidate Starts for Capybara_81:

(1, 51892), (2, 51937), (Start: 3 @52021 has 12 MA's), (Start: 5 @52069 has 5 MA's), (6, 52096), (7, 52099), (8, 52102), (10, 52135), (12, 52153), (13, 52159), (15, 52183), (16, 52186),

Gene: ChickyNuggy_86 Start: 52826, Stop: 52948, Start Num: 5
Candidate Starts for ChickyNuggy_86:
(2, 52694), (Start: 3 @52778 has 12 MA's), (4, 52796), (Start: 5 @52826 has 5 MA's), (6, 52853), (7, 52856), (8, 52859), (12, 52910), (15, 52940), (16, 52943),

Gene: Dancer_83 Start: 52091, Stop: 52267, Start Num: 3
Candidate Starts for Dancer_83:
(2, 52007), (Start: 3 @52091 has 12 MA's), (Start: 5 @52139 has 5 MA's), (6, 52166), (7, 52169), (8, 52172), (10, 52205), (12, 52223), (15, 52253), (16, 52256),

Gene: Football_86 Start: 51981, Stop: 52157, Start Num: 3
Candidate Starts for Football_86:
(1, 51852), (2, 51897), (Start: 3 @51981 has 12 MA's), (Start: 5 @52029 has 5 MA's), (6, 52056), (7, 52059), (8, 52062), (10, 52095), (12, 52113), (13, 52119), (15, 52143), (16, 52146),

Gene: FortCran_83 Start: 52402, Stop: 52530, Start Num: 5
Candidate Starts for FortCran_83:
(2, 52270), (Start: 3 @52354 has 12 MA's), (Start: 5 @52402 has 5 MA's), (6, 52429), (7, 52432), (8, 52435), (10, 52468), (12, 52486), (15, 52516), (16, 52519),

Gene: Gill_81 Start: 52048, Stop: 52224, Start Num: 3
Candidate Starts for Gill_81:
(1, 51919), (2, 51964), (Start: 3 @52048 has 12 MA's), (Start: 5 @52096 has 5 MA's), (6, 52123), (7, 52126), (8, 52129), (10, 52162), (12, 52180), (13, 52186), (15, 52210), (16, 52213),

Gene: Gravy_80 Start: 51759, Stop: 51887, Start Num: 5
Candidate Starts for Gravy_80:
(1, 51582), (2, 51627), (Start: 3 @51711 has 12 MA's), (Start: 5 @51759 has 5 MA's), (6, 51786), (7, 51789), (8, 51792), (10, 51825), (12, 51843), (13, 51849), (15, 51873), (16, 51876),

Gene: JulesRay_83 Start: 52703, Stop: 52873, Start Num: 3
Candidate Starts for JulesRay_83:
(2, 52619), (Start: 3 @52703 has 12 MA's), (4, 52721), (Start: 5 @52751 has 5 MA's), (6, 52778), (7, 52781), (8, 52784), (10, 52817), (12, 52835), (15, 52865), (16, 52868),

Gene: Kerry_80 Start: 51822, Stop: 51950, Start Num: 5
Candidate Starts for Kerry_80:
(1, 51645), (2, 51690), (Start: 3 @51774 has 12 MA's), (Start: 5 @51822 has 5 MA's), (6, 51849), (7, 51852), (8, 51855), (10, 51888), (12, 51906), (13, 51912), (15, 51936), (16, 51939),

Gene: Magel_82 Start: 51963, Stop: 52139, Start Num: 3
Candidate Starts for Magel_82:
(1, 51834), (2, 51879), (Start: 3 @51963 has 12 MA's), (Start: 5 @52011 has 5 MA's), (6, 52038), (7, 52041), (8, 52044), (10, 52077), (12, 52095), (13, 52101), (15, 52125), (16, 52128),

Gene: NoPickles_82 Start: 51870, Stop: 52046, Start Num: 3
Candidate Starts for NoPickles_82:
(1, 51741), (2, 51786), (Start: 3 @51870 has 12 MA's), (Start: 5 @51918 has 5 MA's), (6, 51945), (7, 51948), (8, 51951), (10, 51984), (12, 52002), (13, 52008), (15, 52032), (16, 52035),

Gene: Odesza_80 Start: 51910, Stop: 52086, Start Num: 3
Candidate Starts for Odesza_80:
(1, 51781), (2, 51826), (Start: 3 @51910 has 12 MA's), (Start: 5 @51958 has 5 MA's), (6, 51985), (7, 51988), (8, 51991), (10, 52024), (12, 52042), (13, 52048), (15, 52072), (16, 52075),

Gene: Perkunas_83 Start: 51968, Stop: 52144, Start Num: 3
Candidate Starts for Perkunas_83:
(2, 51887), (Start: 3 @51968 has 12 MA's), (4, 51986), (9, 52061), (11, 52097), (13, 52106), (15, 52130), (16, 52133),

Gene: Roney_80 Start: 52073, Stop: 52249, Start Num: 3
Candidate Starts for Roney_80:
(1, 51944), (2, 51989), (Start: 3 @52073 has 12 MA's), (Start: 5 @52121 has 5 MA's), (6, 52148), (7, 52151), (8, 52154), (10, 52187), (12, 52205), (13, 52211), (15, 52235), (16, 52238),

Gene: SweetCrkHerbs_84 Start: 51999, Stop: 52157, Start Num: 4
Candidate Starts for SweetCrkHerbs_84:
(2, 51900), (Start: 3 @51981 has 12 MA's), (4, 51999), (9, 52074), (11, 52110), (13, 52119), (15, 52143), (16, 52146),

Gene: Tairn4Wing_86 Start: 52240, Stop: 52368, Start Num: 5
Candidate Starts for Tairn4Wing_86:
(2, 52108), (Start: 3 @52192 has 12 MA's), (Start: 5 @52240 has 5 MA's), (6, 52267), (7, 52270), (8, 52273), (12, 52324), (14, 52339), (15, 52354), (16, 52357),

Gene: Talon44_85 Start: 52822, Stop: 52992, Start Num: 3
Candidate Starts for Talon44_85:
(2, 52738), (Start: 3 @52822 has 12 MA's), (4, 52840), (Start: 5 @52870 has 5 MA's), (6, 52897), (7, 52900), (8, 52903), (12, 52954), (15, 52984), (16, 52987),

Gene: Tanis_81 Start: 51941, Stop: 52069, Start Num: 5
Candidate Starts for Tanis_81:
(1, 51764), (2, 51809), (Start: 3 @51893 has 12 MA's), (Start: 5 @51941 has 5 MA's), (6, 51968), (7, 51971), (8, 51974), (10, 52007), (12, 52025), (13, 52031), (15, 52055), (16, 52058),

Gene: Trufflozitus_88 Start: 52755, Stop: 52883, Start Num: 5
Candidate Starts for Trufflozitus_88:
(2, 52623), (Start: 3 @52707 has 12 MA's), (Start: 5 @52755 has 5 MA's), (6, 52782), (7, 52785), (8, 52788), (12, 52839), (14, 52854), (15, 52869), (16, 52872),