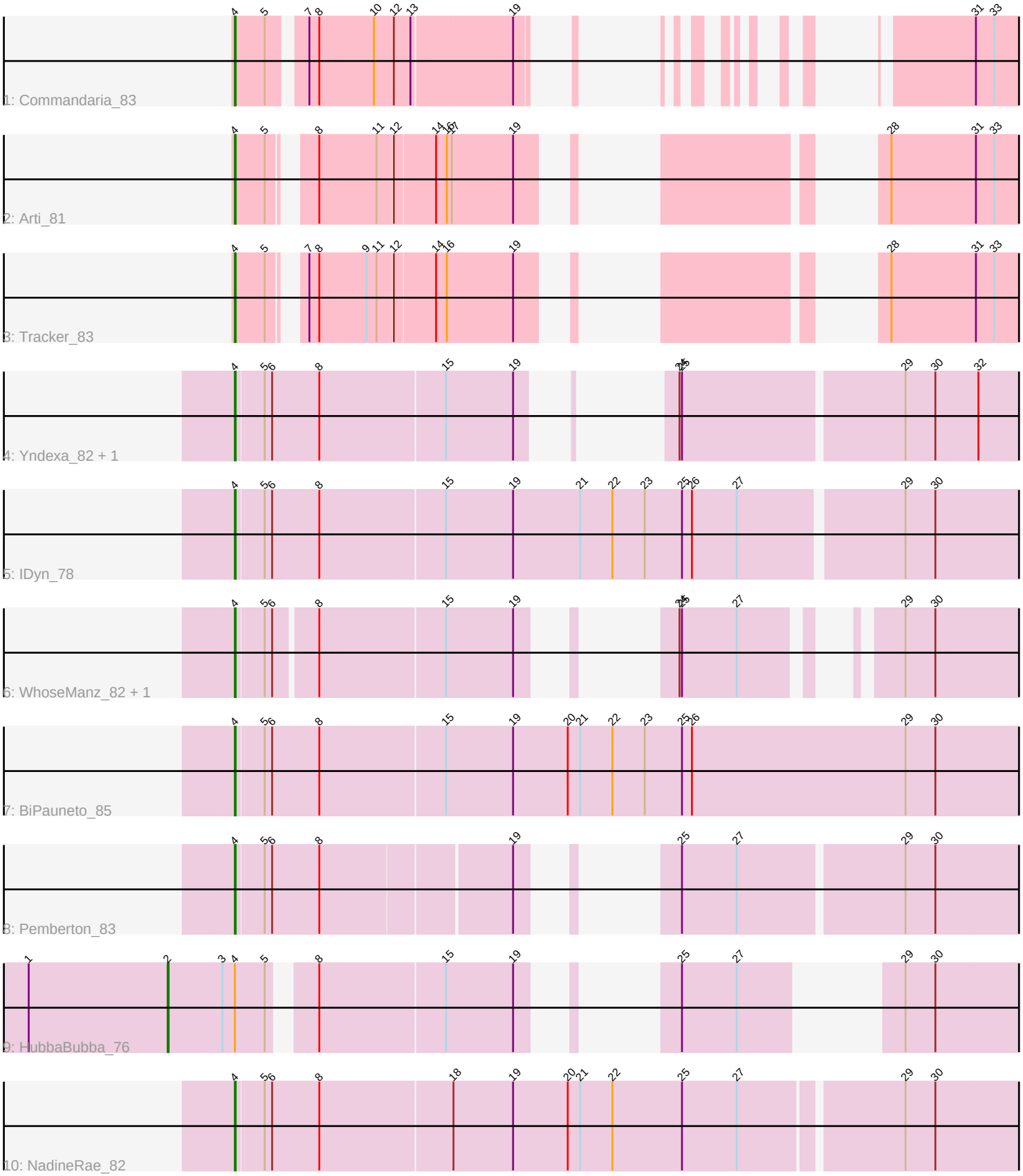
Pham 346323


1: Commandaria_83
2: Arti_81
3: Tracker_83
4: Yndexa_82 + 1
5: IDyn_78
6: WhoseManz_82 + 1
7: BiPauneto_85
8: Pemberton_83
9: HubbaBubba_76
10: NadineRae_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 346323 Report

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

Pham number 346323 has 12 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Commandaria_83
• Track 2 : Arti_81
• Track 3 : Tracker_83
• Track 4 : Yndexa_82, Sukkupi_82
• Track 5 : IDyn_78
• Track 6 : WhoseManz_82, Marietta_82
• Track 7 : BiPauneto_85
• Track 8 : Pemberton_83
• Track 9 : HubbaBubba_76
• Track 10 : NadineRae_82

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

The start number called the most often in the published annotations is 4, it was called in 11 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Arti_81, BiPauneto_85, Commandaria_83, IDyn_78, Marietta_82, NadineRae_82, Pemberton_83, Sukkupi_82, Tracker_83, WhoseManz_82, Yndexa_82,

Genes that have the "Most Annotated" start but do not call it:
• HubbaBubba_76,

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

Summary by start number:

Start 2:
• Found in 1 of 12 (8.3%) of genes in pham
• Manual Annotations of this start: 1 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: HubbaBubba_76 (CR4),

Start 4:
• Found in 12 of 12 (100.0%) of genes in pham
• Manual Annotations of this start: 11 of 12
• Called 91.7% of time when present
• Phage (with cluster) where this start called: Arti_81 (CR2), BiPauneto_85 (CR4), Commandaria_83 (CR2), IDyn_78 (CR4), Marietta_82 (CR4), NadineRae_82 (CR4), Pemberton_83 (CR4), Sukkupi_82 (CR4), Tracker_83 (CR2), WhoseManz_82 (CR4), Yndexa_82 (CR4),

Summary by clusters:

There are 2 clusters represented in this pham: CR2, CR4,

Info for manual annotations of cluster CR2:
•Start number 4 was manually annotated 3 times for cluster CR2.

Info for manual annotations of cluster CR4:
•Start number 2 was manually annotated 1 time for cluster CR4.
•Start number 4 was manually annotated 8 times for cluster CR4.

Gene Information:

Gene: Arti_81 Start: 60752, Stop: 61423, Start Num: 4
Candidate Starts for Arti_81:
(Start: 4 @60752 has 11 MA's), (5, 60788), (8, 60824), (11, 60893), (12, 60911), (14, 60959), (16, 60971), (17, 60977), (19, 61049), (28, 61274), (31, 61373), (33, 61394),

Gene: BiPauneto_85 Start: 60351, Stop: 61298, Start Num: 4
Candidate Starts for BiPauneto_85:
(Start: 4 @60351 has 11 MA's), (5, 60384), (6, 60393), (8, 60450), (15, 60597), (19, 60678), (20, 60744), (21, 60759), (22, 60798), (23, 60837), (25, 60882), (26, 60894), (29, 61152), (30, 61188),

Gene: Commandaria_83 Start: 62248, Stop: 62793, Start Num: 4
Candidate Starts for Commandaria_83:
(Start: 4 @62248 has 11 MA's), (5, 62284), (7, 62320), (8, 62332), (10, 62398), (12, 62422), (13, 62440), (19, 62557), (31, 62743), (33, 62764),

Gene: HubbaBubba_76 Start: 56883, Stop: 57623, Start Num: 2
Candidate Starts for HubbaBubba_76:
(1, 56715), (Start: 2 @56883 has 1 MA's), (3, 56946), (Start: 4 @56961 has 11 MA's), (5, 56997), (8, 57036), (15, 57183), (19, 57264), (25, 57318), (27, 57384), (29, 57477), (30, 57513),

Gene: IDyn_78 Start: 57345, Stop: 58277, Start Num: 4
Candidate Starts for IDyn_78:
(Start: 4 @57345 has 11 MA's), (5, 57378), (6, 57387), (8, 57444), (15, 57591), (19, 57672), (21, 57753), (22, 57792), (23, 57831), (25, 57876), (26, 57888), (27, 57942), (29, 58131), (30, 58167),

Gene: Marietta_82 Start: 58248, Stop: 58952, Start Num: 4
Candidate Starts for Marietta_82:
(Start: 4 @58248 has 11 MA's), (5, 58281), (6, 58290), (8, 58338), (15, 58485), (19, 58566), (24, 58617), (25, 58620), (27, 58686), (29, 58806), (30, 58842),

Gene: NadineRae_82 Start: 57860, Stop: 58789, Start Num: 4
Candidate Starts for NadineRae_82:
(Start: 4 @57860 has 11 MA's), (5, 57893), (6, 57902), (8, 57959), (18, 58115), (19, 58187), (20, 58253), (21, 58268), (22, 58307), (25, 58391), (27, 58457), (29, 58643), (30, 58679),

Gene: Pemberton_83 Start: 58423, Stop: 59199, Start Num: 4
Candidate Starts for Pemberton_83:
(Start: 4 @58423 has 11 MA's), (5, 58456), (6, 58465), (8, 58522), (19, 58741), (25, 58795), (27, 58861), (29, 59053), (30, 59089),

Gene: Sukkupi_82 Start: 59892, Stop: 60665, Start Num: 4
Candidate Starts for Sukkupi_82:
(Start: 4 @59892 has 11 MA's), (5, 59925), (6, 59934), (8, 59991), (15, 60138), (19, 60219), (24, 60258), (25, 60261), (29, 60519), (30, 60555), (32, 60606),

Gene: Tracker_83 Start: 60885, Stop: 61556, Start Num: 4
Candidate Starts for Tracker_83:
(Start: 4 @60885 has 11 MA's), (5, 60921), (7, 60945), (8, 60957), (9, 61014), (11, 61026), (12, 61044), (14, 61092), (16, 61104), (19, 61182), (28, 61407), (31, 61506), (33, 61527),

Gene: WhoseManz_82 Start: 57908, Stop: 58612, Start Num: 4
Candidate Starts for WhoseManz_82:
(Start: 4 @57908 has 11 MA's), (5, 57941), (6, 57950), (8, 57998), (15, 58145), (19, 58226), (24, 58277), (25, 58280), (27, 58346), (29, 58466), (30, 58502),

Gene: Yndexa_82 Start: 59892, Stop: 60665, Start Num: 4
Candidate Starts for Yndexa_82:
(Start: 4 @59892 has 11 MA's), (5, 59925), (6, 59934), (8, 59991), (15, 60138), (19, 60219), (24, 60258), (25, 60261), (29, 60519), (30, 60555), (32, 60606),