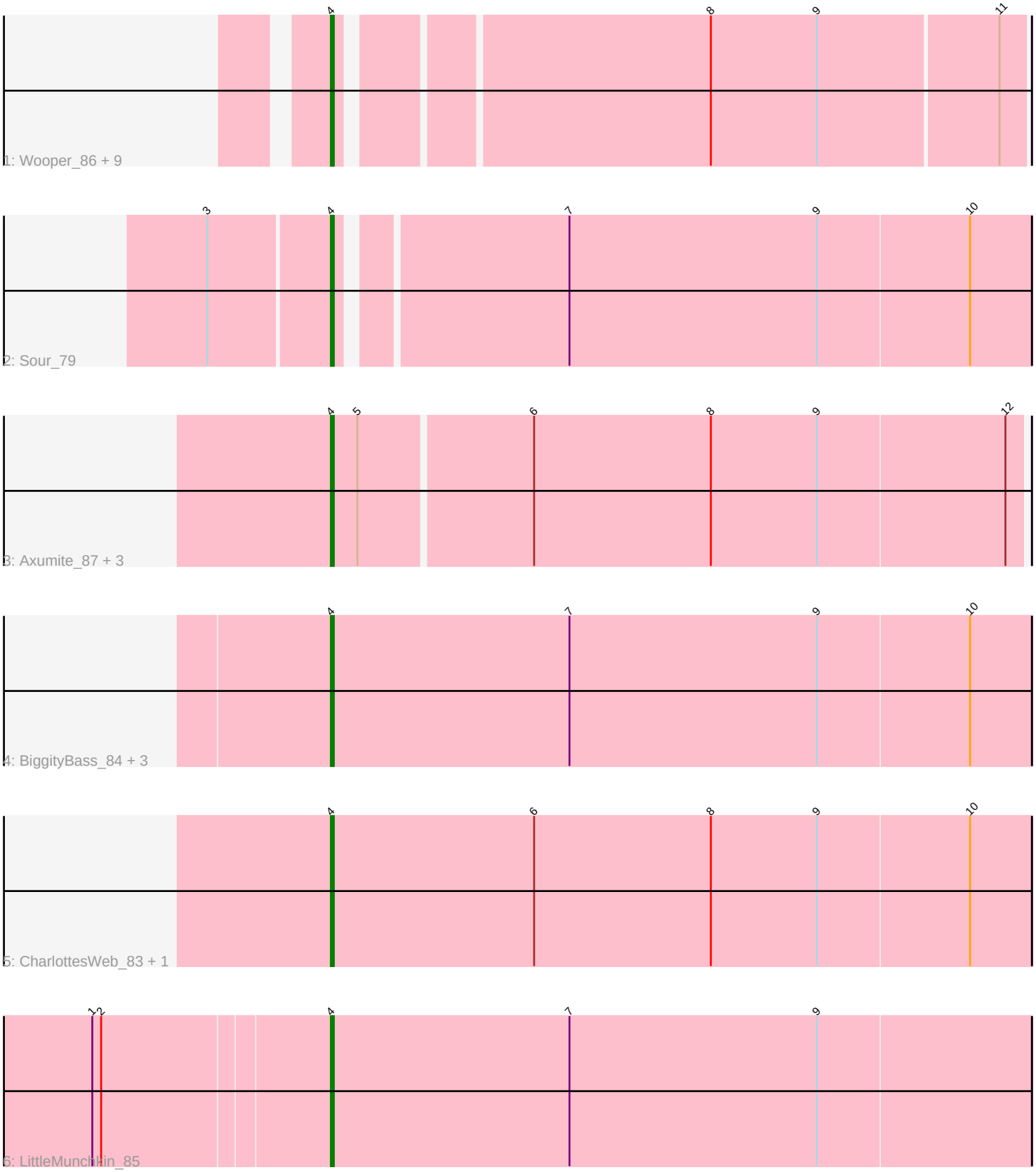
Pham 284175


4
8
9
11
1: Wooper_86 + 9
3
4
7
9
10
2: Sour_79
4
5
6
8
9
12
3: Axumite_87 + 3
4
7
9
10
4: BiggityBass_84 + 3
4
6
8
9
10
5: CharlottesWeb_83 + 1
12
4
7
9
6: LittleMunchkin_85

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 284175 Report

This analysis was run 02/23/26 on database version 636.

Pham number 284175 has 22 members, 4 are drafts.

Phages represented in each track:
• Track 1 : Wooper_86, CaiB_85, TraderJ_85, FelixTres_86, AnarQue_86, Blackpen_83, CloverMinnie_84, MakoManhole_83, Yeshua_85, MossRose_84
• Track 2 : Sour_79
• Track 3 : Axumite_87, Shatter_87, Fresco_87, Ligma_87
• Track 4 : BiggityBass_84, AnClar_81, Sisko_84, Yago84_83
• Track 5 : CharlottesWeb_83, Mariokart_83
• Track 6 : LittleMunchkin_85

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 18 of the 18 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AnClar_81, AnarQue_86, Axumite_87, BiggityBass_84, Blackpen_83, CaiB_85, CharlottesWeb_83, CloverMinnie_84, FelixTres_86, Fresco_87, Ligma_87, LittleMunchkin_85, MakoManhole_83, Mariokart_83, MossRose_84, Shatter_87, Sisko_84, Sour_79, TraderJ_85, Wooper_86, Yago84_83, Yeshua_85,

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 4:
• Found in 22 of 22 (100.0%) of genes in pham
• Manual Annotations of this start: 18 of 18
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AnClar_81 (DR), AnarQue_86 (DR), Axumite_87 (DR), BiggityBass_84 (DR), Blackpen_83 (DR), CaiB_85 (DR), CharlottesWeb_83 (DR), CloverMinnie_84 (DR), FelixTres_86 (DR), Fresco_87 (DR),

Ligma_87 (DR), LittleMunchkin_85 (DR), MakoManhole_83 (DR), Mariokart_83 (DR), MossRose_84 (DR), Shatter_87 (DR), Sisko_84 (DR), Sour_79 (DR), TraderJ_85 (DR), Wooper_86 (DR), Yago84_83 (DR), Yeshua_85 (DR),

Summary by clusters:

There is one cluster represented in this pham: DR

Info for manual annotations of cluster DR:
•Start number 4 was manually annotated 18 times for cluster DR.

Gene Information:

Gene: AnClar_81 Start: 61733, Stop: 61497, Start Num: 4
Candidate Starts for AnClar_81:
(Start: 4 @61733 has 18 MA's), (7, 61652), (9, 61568), (10, 61517),

Gene: AnarQue_86 Start: 61714, Stop: 61493, Start Num: 4
Candidate Starts for AnarQue_86:
(Start: 4 @61714 has 18 MA's), (8, 61597), (9, 61561), (11, 61501),

Gene: Axumite_87 Start: 61591, Stop: 61361, Start Num: 4
Candidate Starts for Axumite_87:
(Start: 4 @61591 has 18 MA's), (5, 61582), (6, 61525), (8, 61465), (9, 61429), (12, 61366),

Gene: BiggityBass_84 Start: 63079, Stop: 62843, Start Num: 4
Candidate Starts for BiggityBass_84:
(Start: 4 @63079 has 18 MA's), (7, 62998), (9, 62914), (10, 62863),

Gene: Blackpen_83 Start: 60178, Stop: 59957, Start Num: 4
Candidate Starts for Blackpen_83:
(Start: 4 @60178 has 18 MA's), (8, 60061), (9, 60025), (11, 59965),

Gene: CaiB_85 Start: 61512, Stop: 61291, Start Num: 4
Candidate Starts for CaiB_85:
(Start: 4 @61512 has 18 MA's), (8, 61395), (9, 61359), (11, 61299),

Gene: CharlottesWeb_83 Start: 60401, Stop: 60165, Start Num: 4
Candidate Starts for CharlottesWeb_83:
(Start: 4 @60401 has 18 MA's), (6, 60332), (8, 60272), (9, 60236), (10, 60185),

Gene: CloverMinnie_84 Start: 60990, Stop: 60769, Start Num: 4
Candidate Starts for CloverMinnie_84:
(Start: 4 @60990 has 18 MA's), (8, 60873), (9, 60837), (11, 60777),

Gene: FelixTres_86 Start: 60956, Stop: 60735, Start Num: 4
Candidate Starts for FelixTres_86:
(Start: 4 @60956 has 18 MA's), (8, 60839), (9, 60803), (11, 60743),

Gene: Fresco_87 Start: 61597, Stop: 61367, Start Num: 4
Candidate Starts for Fresco_87:

(Start: 4 @61597 has 18 MA's), (5, 61588), (6, 61531), (8, 61471), (9, 61435), (12, 61372),

Gene: Ligma_87 Start: 61591, Stop: 61361, Start Num: 4
Candidate Starts for Ligma_87:
(Start: 4 @61591 has 18 MA's), (5, 61582), (6, 61525), (8, 61465), (9, 61429), (12, 61366),

Gene: LittleMunchkin_85 Start: 63081, Stop: 62845, Start Num: 4
Candidate Starts for LittleMunchkin_85:
(1, 63159), (2, 63156), (Start: 4 @63081 has 18 MA's), (7, 63000), (9, 62916),

Gene: MakoManhole_83 Start: 61484, Stop: 61263, Start Num: 4
Candidate Starts for MakoManhole_83:
(Start: 4 @61484 has 18 MA's), (8, 61367), (9, 61331), (11, 61271),

Gene: Mariokart_83 Start: 60639, Stop: 60403, Start Num: 4
Candidate Starts for Mariokart_83:
(Start: 4 @60639 has 18 MA's), (6, 60570), (8, 60510), (9, 60474), (10, 60423),

Gene: MossRose_84 Start: 60964, Stop: 60743, Start Num: 4
Candidate Starts for MossRose_84:
(Start: 4 @60964 has 18 MA's), (8, 60847), (9, 60811), (11, 60751),

Gene: Shatter_87 Start: 61591, Stop: 61361, Start Num: 4
Candidate Starts for Shatter_87:
(Start: 4 @61591 has 18 MA's), (5, 61582), (6, 61525), (8, 61465), (9, 61429), (12, 61366),

Gene: Sisko_84 Start: 62074, Stop: 61838, Start Num: 4
Candidate Starts for Sisko_84:
(Start: 4 @62074 has 18 MA's), (7, 61993), (9, 61909), (10, 61858),

Gene: Sour_79 Start: 61547, Stop: 61320, Start Num: 4
Candidate Starts for Sour_79:
(3, 61586), (Start: 4 @61547 has 18 MA's), (7, 61475), (9, 61391), (10, 61340),

Gene: TraderJ_85 Start: 61060, Stop: 60839, Start Num: 4
Candidate Starts for TraderJ_85:
(Start: 4 @61060 has 18 MA's), (8, 60943), (9, 60907), (11, 60847),

Gene: Wooper_86 Start: 61047, Stop: 60826, Start Num: 4
Candidate Starts for Wooper_86:
(Start: 4 @61047 has 18 MA's), (8, 60930), (9, 60894), (11, 60834),

Gene: Yago84_83 Start: 61767, Stop: 61531, Start Num: 4
Candidate Starts for Yago84_83:
(Start: 4 @61767 has 18 MA's), (7, 61686), (9, 61602), (10, 61551),

Gene: Yeshua_85 Start: 61023, Stop: 60802, Start Num: 4
Candidate Starts for Yeshua_85:
(Start: 4 @61023 has 18 MA's), (8, 60906), (9, 60870), (11, 60810),