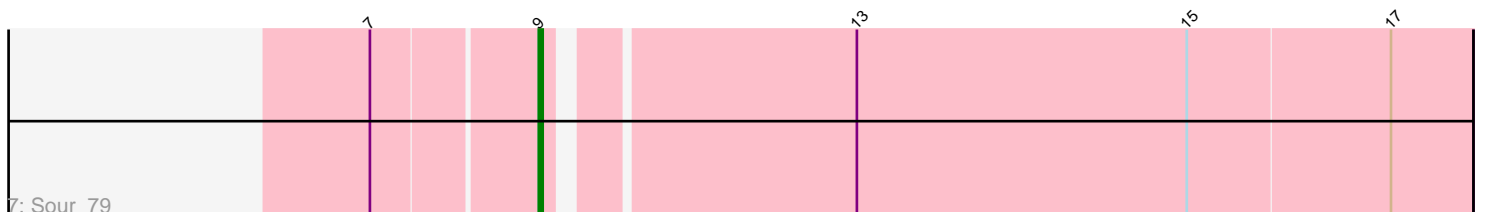
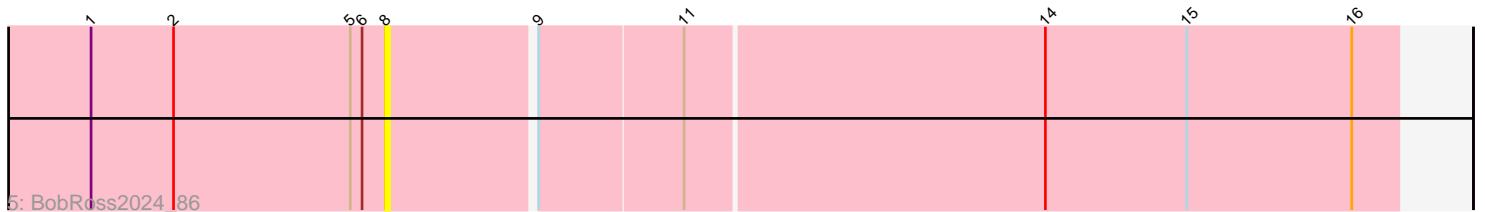
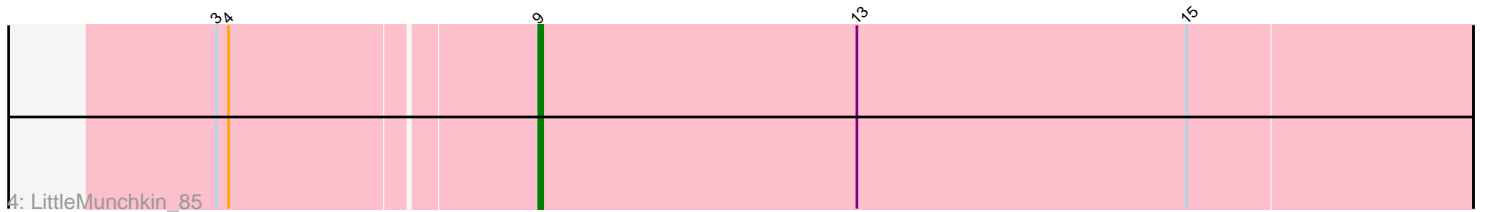
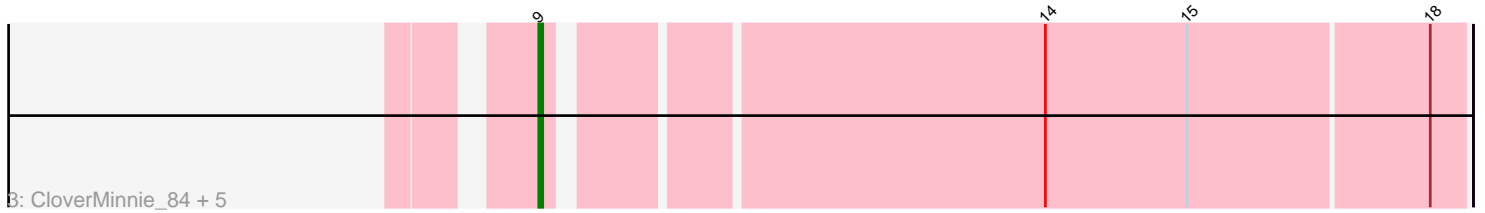
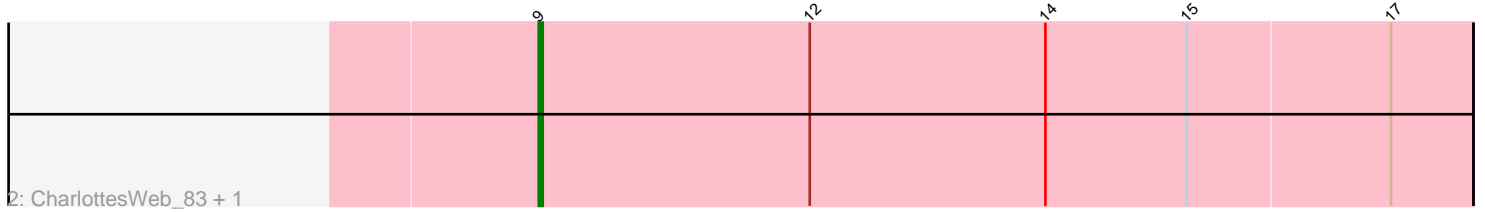
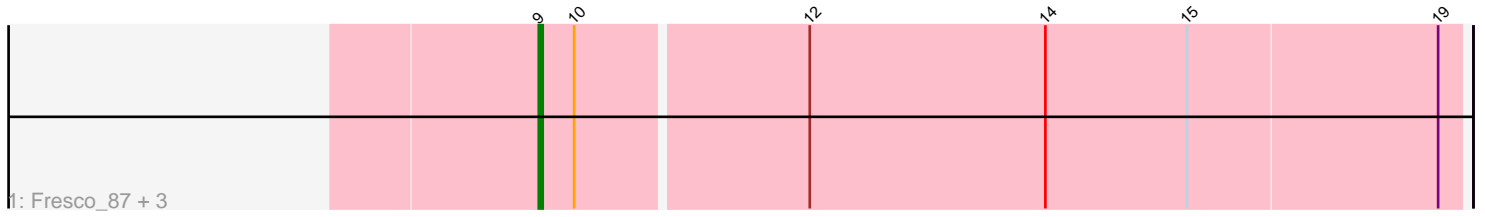


Pham 194362



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 194362 Report

This analysis was run 11/02/24 on database version 579.

Pham number 194362 has 19 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Fresco_87, Axumite_87, Shatter_87, Ligma_87
- Track 2 : CharlottesWeb_83, Mariokart_83
- Track 3 : CloverMinnie_84, Wooper_86, CaiB_85, MossRose_84, MakoManhole_83, AnarQue_86
- Track 4 : LittleMunchkin_85
- Track 5 : BobRoss2024_86
- Track 6 : BiggityBass_84, AnClar_81, Yago84_83, Sisko_84
- Track 7 : Sour_79

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

The start number called the most often in the published annotations is 9, it was called in 17 of the 17 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- AnClar_81, AnarQue_86, Axumite_87, BiggityBass_84, CaiB_85, CharlottesWeb_83, CloverMinnie_84, Fresco_87, Ligma_87, LittleMunchkin_85, MakoManhole_83, Mariokart_83, MossRose_84, Shatter_87, Sisko_84, Sour_79, Wooper_86, Yago84_83,

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

- BobRoss2024_86,

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

-

Summary by start number:

Start 8:

- Found in 1 of 19 (5.3%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BobRoss2024_86 (DR),

Start 9:

- Found in 19 of 19 (100.0%) of genes in pham
- Manual Annotations of this start: 17 of 17
- Called 94.7% of time when present
- Phage (with cluster) where this start called: AnClar_81 (DR), AnarQue_86 (DR), Axumite_87 (DR), BiggityBass_84 (DR), CaiB_85 (DR), CharlottesWeb_83 (DR), CloverMinnie_84 (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), Wooper_86 (DR), Yago84_83 (DR),

Summary by clusters:

There is one cluster represented in this pham: DR

Info for manual annotations of cluster DR:

- Start number 9 was manually annotated 17 times for cluster DR.

Gene Information:

Gene: AnClar_81 Start: 61733, Stop: 61497, Start Num: 9

Candidate Starts for AnClar_81:

(Start: 9 @61733 has 17 MA's), (13, 61652), (15, 61568), (17, 61517),

Gene: AnarQue_86 Start: 61714, Stop: 61493, Start Num: 9

Candidate Starts for AnarQue_86:

(Start: 9 @61714 has 17 MA's), (14, 61597), (15, 61561), (18, 61501),

Gene: Axumite_87 Start: 61591, Stop: 61361, Start Num: 9

Candidate Starts for Axumite_87:

(Start: 9 @61591 has 17 MA's), (10, 61582), (12, 61525), (14, 61465), (15, 61429), (19, 61366),

Gene: BiggityBass_84 Start: 63079, Stop: 62843, Start Num: 9

Candidate Starts for BiggityBass_84:

(Start: 9 @63079 has 17 MA's), (13, 62998), (15, 62914), (17, 62863),

Gene: BobRoss2024_86 Start: 60877, Stop: 60626, Start Num: 8

Candidate Starts for BobRoss2024_86:

(1, 60952), (2, 60931), (5, 60886), (6, 60883), (8, 60877), (Start: 9 @60841 has 17 MA's), (11, 60805), (14, 60715), (15, 60679), (16, 60637),

Gene: CaiB_85 Start: 61512, Stop: 61291, Start Num: 9

Candidate Starts for CaiB_85:

(Start: 9 @61512 has 17 MA's), (14, 61395), (15, 61359), (18, 61299),

Gene: CharlottesWeb_83 Start: 60401, Stop: 60165, Start Num: 9

Candidate Starts for CharlottesWeb_83:

(Start: 9 @60401 has 17 MA's), (12, 60332), (14, 60272), (15, 60236), (17, 60185),

Gene: CloverMinnie_84 Start: 60990, Stop: 60769, Start Num: 9

Candidate Starts for CloverMinnie_84:

(Start: 9 @60990 has 17 MA's), (14, 60873), (15, 60837), (18, 60777),

Gene: Fresco_87 Start: 61597, Stop: 61367, Start Num: 9
Candidate Starts for Fresco_87:
(Start: 9 @61597 has 17 MA's), (10, 61588), (12, 61531), (14, 61471), (15, 61435), (19, 61372),

Gene: Ligma_87 Start: 61591, Stop: 61361, Start Num: 9
Candidate Starts for Ligma_87:
(Start: 9 @61591 has 17 MA's), (10, 61582), (12, 61525), (14, 61465), (15, 61429), (19, 61366),

Gene: LittleMunchkin_85 Start: 63081, Stop: 62845, Start Num: 9
Candidate Starts for LittleMunchkin_85:
(3, 63159), (4, 63156), (Start: 9 @63081 has 17 MA's), (13, 63000), (15, 62916),

Gene: MakoManhole_83 Start: 61484, Stop: 61263, Start Num: 9
Candidate Starts for MakoManhole_83:
(Start: 9 @61484 has 17 MA's), (14, 61367), (15, 61331), (18, 61271),

Gene: Mariokart_83 Start: 60639, Stop: 60403, Start Num: 9
Candidate Starts for Mariokart_83:
(Start: 9 @60639 has 17 MA's), (12, 60570), (14, 60510), (15, 60474), (17, 60423),

Gene: MossRose_84 Start: 60964, Stop: 60743, Start Num: 9
Candidate Starts for MossRose_84:
(Start: 9 @60964 has 17 MA's), (14, 60847), (15, 60811), (18, 60751),

Gene: Shatter_87 Start: 61591, Stop: 61361, Start Num: 9
Candidate Starts for Shatter_87:
(Start: 9 @61591 has 17 MA's), (10, 61582), (12, 61525), (14, 61465), (15, 61429), (19, 61366),

Gene: Sisko_84 Start: 62074, Stop: 61838, Start Num: 9
Candidate Starts for Sisko_84:
(Start: 9 @62074 has 17 MA's), (13, 61993), (15, 61909), (17, 61858),

Gene: Sour_79 Start: 61547, Stop: 61320, Start Num: 9
Candidate Starts for Sour_79:
(7, 61586), (Start: 9 @61547 has 17 MA's), (13, 61475), (15, 61391), (17, 61340),

Gene: Wooper_86 Start: 61047, Stop: 60826, Start Num: 9
Candidate Starts for Wooper_86:
(Start: 9 @61047 has 17 MA's), (14, 60930), (15, 60894), (18, 60834),

Gene: Yago84_83 Start: 61767, Stop: 61531, Start Num: 9
Candidate Starts for Yago84_83:
(Start: 9 @61767 has 17 MA's), (13, 61686), (15, 61602), (17, 61551),