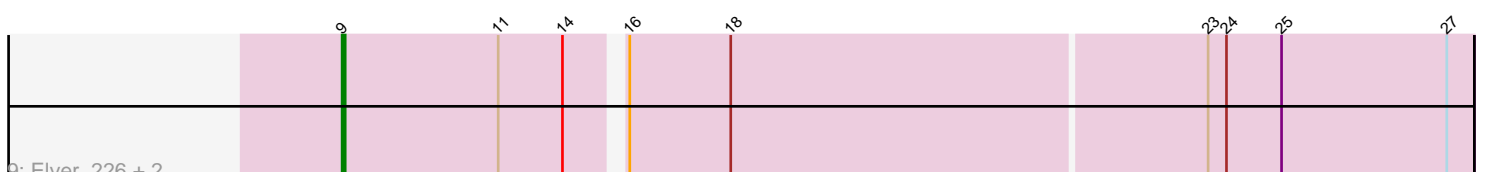
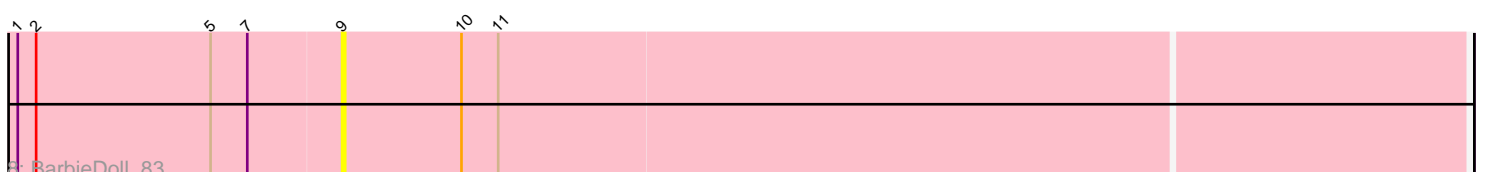
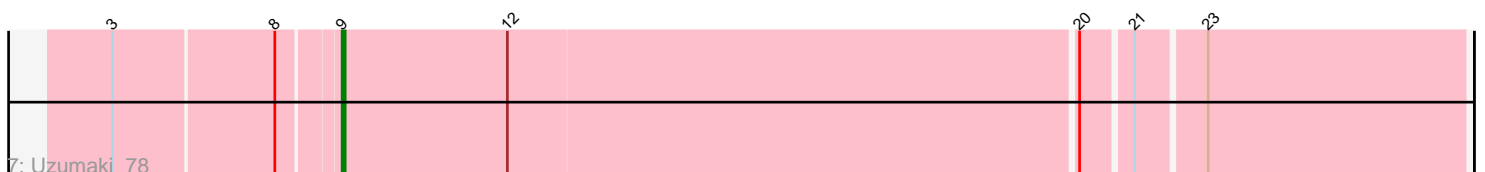
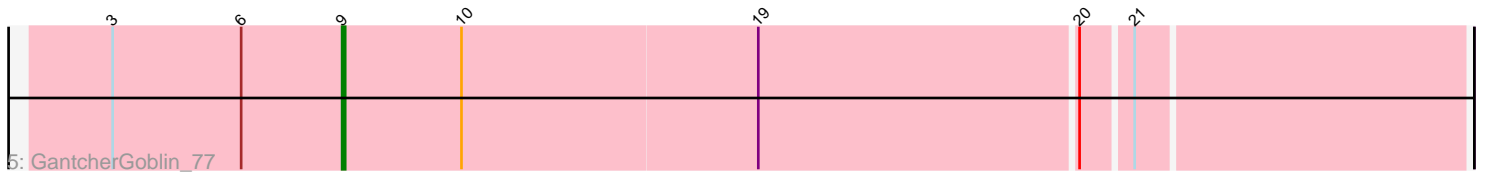
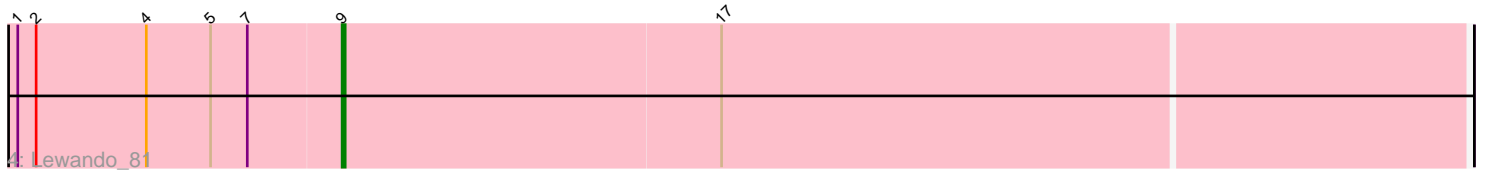
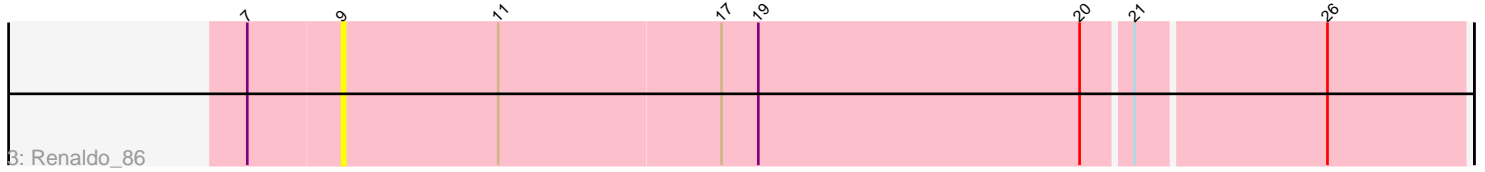
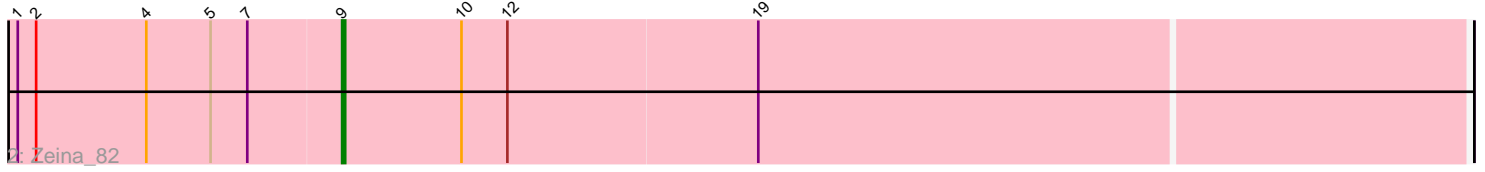
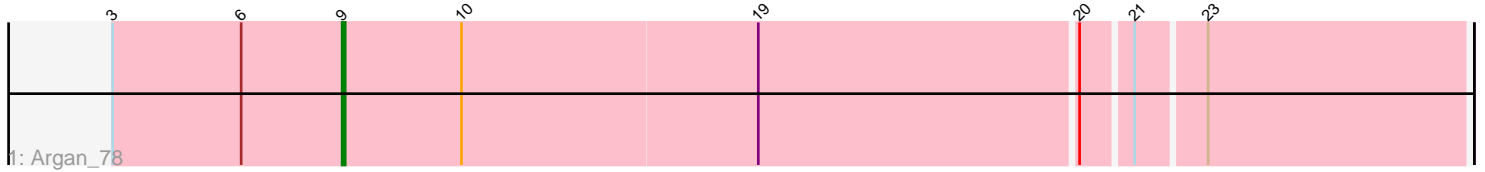


Pham 155191



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 155191 Report

This analysis was run 04/12/24 on database version 558.

Pham number 155191 has 11 members, 4 are drafts.

Phages represented in each track:

- Track 1 : Argan_78
- Track 2 : Zeina_82
- Track 3 : Renaldo_86
- Track 4 : Lewando_81
- Track 5 : GantcherGoblin_77
- Track 6 : Leathea_82
- Track 7 : Uzumaki_78
- Track 8 : BarbieDoll_83
- Track 9 : Elver_226, Qui_230, Paella_231

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 7 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Argan_78, BarbieDoll_83, Elver_226, GantcherGoblin_77, Leathea_82, Lewando_81, Paella_231, Qui_230, Renaldo_86, Uzumaki_78, Zeina_82,

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 9:

- Found in 11 of 11 (100.0%) of genes in pham
- Manual Annotations of this start: 7 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Argan_78 (AU6), BarbieDoll_83 (AU6), Elver_226 (FK), GantcherGoblin_77 (AU6), Leathea_82 (AU6), Lewando_81 (AU6), Paella_231 (FK), Qui_230 (FK), Renaldo_86 (AU6), Uzumaki_78 (AU6), Zeina_82

(AU6),

Summary by clusters:

There are 2 clusters represented in this pham: FK, AU6,

Info for manual annotations of cluster AU6:

- Start number 9 was manually annotated 5 times for cluster AU6.

Info for manual annotations of cluster FK:

- Start number 9 was manually annotated 2 times for cluster FK.

Gene Information:

Gene: Argan_78 Start: 47443, Stop: 47799, Start Num: 9

Candidate Starts for Argan_78:

(3, 47368), (6, 47410), (Start: 9 @47443 has 7 MA's), (10, 47482), (19, 47578), (20, 47680), (21, 47695), (23, 47716),

Gene: BarbieDoll_83 Start: 49031, Stop: 49393, Start Num: 9

Candidate Starts for BarbieDoll_83:

(1, 48926), (2, 48932), (5, 48989), (7, 49001), (Start: 9 @49031 has 7 MA's), (10, 49070), (11, 49082),

Gene: Elver_226 Start: 104016, Stop: 104375, Start Num: 9

Candidate Starts for Elver_226:

(Start: 9 @104016 has 7 MA's), (11, 104067), (14, 104088), (16, 104103), (18, 104136), (23, 104289), (24, 104295), (25, 104313), (27, 104367),

Gene: GantcherGoblin_77 Start: 47604, Stop: 47960, Start Num: 9

Candidate Starts for GantcherGoblin_77:

(3, 47529), (6, 47571), (Start: 9 @47604 has 7 MA's), (10, 47643), (19, 47739), (20, 47841), (21, 47856),

Gene: Leathea_82 Start: 47629, Stop: 47991, Start Num: 9

Candidate Starts for Leathea_82:

(5, 47587), (7, 47599), (Start: 9 @47629 has 7 MA's), (10, 47668), (13, 47686), (15, 47704), (22, 47890),

Gene: Lewando_81 Start: 48819, Stop: 49181, Start Num: 9

Candidate Starts for Lewando_81:

(1, 48714), (2, 48720), (4, 48756), (5, 48777), (7, 48789), (Start: 9 @48819 has 7 MA's), (17, 48942),

Gene: Paella_231 Start: 105153, Stop: 105512, Start Num: 9

Candidate Starts for Paella_231:

(Start: 9 @105153 has 7 MA's), (11, 105204), (14, 105225), (16, 105240), (18, 105273), (23, 105426), (24, 105432), (25, 105450), (27, 105504),

Gene: Qui_230 Start: 105141, Stop: 105500, Start Num: 9

Candidate Starts for Qui_230:

(Start: 9 @105141 has 7 MA's), (11, 105192), (14, 105213), (16, 105228), (18, 105261), (23, 105414), (24, 105420), (25, 105438), (27, 105492),

Gene: Renaldo_86 Start: 49031, Stop: 49390, Start Num: 9

Candidate Starts for Renaldo_86:

(7, 49001), (Start: 9 @49031 has 7 MA's), (11, 49082), (17, 49154), (19, 49166), (20, 49271), (21, 49286), (26, 49346),

Gene: Uzumaki_78 Start: 47572, Stop: 47928, Start Num: 9

Candidate Starts for Uzumaki_78:

(3, 47503), (8, 47554), (Start: 9 @47572 has 7 MA's), (12, 47626), (20, 47809), (21, 47824), (23, 47845),

Gene: Zeina_82 Start: 48280, Stop: 48642, Start Num: 9

Candidate Starts for Zeina_82:

(1, 48175), (2, 48181), (4, 48217), (5, 48238), (7, 48250), (Start: 9 @48280 has 7 MA's), (10, 48319), (12, 48334), (19, 48415),