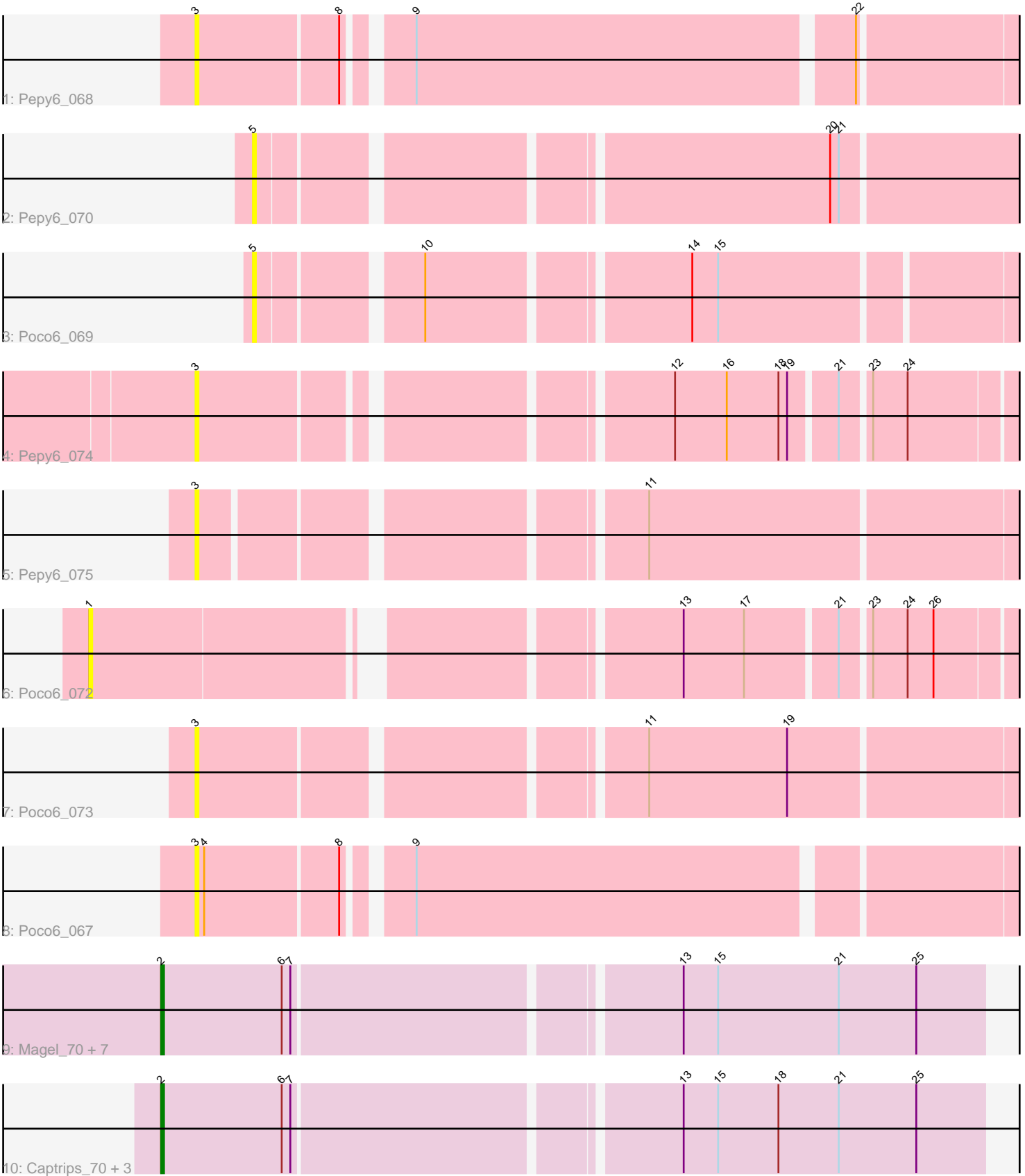


Pham 86835



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 86835 Report

This analysis was run 04/28/24 on database version 559.

Pham number 86835 has 20 members, 11 are drafts.

Phages represented in each track:

- Track 1 : Pepy6_068
- Track 2 : Pepy6_070
- Track 3 : Poco6_069
- Track 4 : Pepy6_074
- Track 5 : Pepy6_075
- Track 6 : Poco6_072
- Track 7 : Poco6_073
- Track 8 : Poco6_067
- Track 9 : Magel_70, Gill_69, Roney_69, Gravy_68, Capybara_70, Odesza_68, Tanis_69, Kerry_68
- Track 10 : Captrips_70, Avazak_70, Artorias_69, FortCran_73

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

The start number called the most often in the published annotations is 2, it was called in 9 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Artorias_69, Avazak_70, Captrips_70, Capybara_70, FortCran_73, Gill_69, Gravy_68, Kerry_68, Magel_70, Odesza_68, Roney_69, Tanis_69,

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

-

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

- Pepy6_068, Pepy6_070, Pepy6_074, Pepy6_075, Poco6_067, Poco6_069, Poco6_072, Poco6_073,

Summary by start number:

Start 1:

- Found in 1 of 20 (5.0%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Poco6_072 (CC),

Start 2:

- Found in 12 of 20 (60.0%) of genes in pham
- Manual Annotations of this start: 9 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Artorias_69 (DJ), Avazak_70 (DJ), Captrips_70 (DJ), Capybara_70 (DJ), FortCran_73 (DJ), Gill_69 (DJ), Gravy_68 (DJ), Kerry_68 (DJ), Magel_70 (DJ), Odesza_68 (DJ), Roney_69 (DJ), Tanis_69 (DJ),

Start 3:

- Found in 5 of 20 (25.0%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Pepy6_068 (CC), Pepy6_074 (CC), Pepy6_075 (CC), Poco6_067 (CC), Poco6_073 (CC),

Start 5:

- Found in 2 of 20 (10.0%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Pepy6_070 (CC), Poco6_069 (CC),

Summary by clusters:

There are 2 clusters represented in this pham: CC, DJ,

Info for manual annotations of cluster DJ:

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

Gene Information:

Gene: Artorias_69 Start: 48091, Stop: 48366, Start Num: 2

Candidate Starts for Artorias_69:

(Start: 2 @48091 has 9 MA's), (6, 48133), (7, 48136), (13, 48262), (15, 48274), (18, 48295), (21, 48316), (25, 48343),

Gene: Avazak_70 Start: 48418, Stop: 48693, Start Num: 2

Candidate Starts for Avazak_70:

(Start: 2 @48418 has 9 MA's), (6, 48460), (7, 48463), (13, 48589), (15, 48601), (18, 48622), (21, 48643), (25, 48670),

Gene: Captrips_70 Start: 47566, Stop: 47841, Start Num: 2

Candidate Starts for Captrips_70:

(Start: 2 @47566 has 9 MA's), (6, 47608), (7, 47611), (13, 47737), (15, 47749), (18, 47770), (21, 47791), (25, 47818),

Gene: Capybara_70 Start: 47899, Stop: 48174, Start Num: 2

Candidate Starts for Capybara_70:

(Start: 2 @47899 has 9 MA's), (6, 47941), (7, 47944), (13, 48070), (15, 48082), (21, 48124), (25, 48151),

Gene: FortCran_73 Start: 48091, Stop: 48366, Start Num: 2

Candidate Starts for FortCran_73:

(Start: 2 @48091 has 9 MA's), (6, 48133), (7, 48136), (13, 48262), (15, 48274), (18, 48295), (21, 48316), (25, 48343),

Gene: Gill_69 Start: 47911, Stop: 48186, Start Num: 2

Candidate Starts for Gill_69:

(Start: 2 @47911 has 9 MA's), (6, 47953), (7, 47956), (13, 48082), (15, 48094), (21, 48136), (25, 48163),

Gene: Gravy_68 Start: 47589, Stop: 47864, Start Num: 2

Candidate Starts for Gravy_68:

(Start: 2 @47589 has 9 MA's), (6, 47631), (7, 47634), (13, 47760), (15, 47772), (21, 47814), (25, 47841),

Gene: Kerry_68 Start: 47589, Stop: 47864, Start Num: 2

Candidate Starts for Kerry_68:

(Start: 2 @47589 has 9 MA's), (6, 47631), (7, 47634), (13, 47760), (15, 47772), (21, 47814), (25, 47841),

Gene: Magel_70 Start: 47826, Stop: 48101, Start Num: 2

Candidate Starts for Magel_70:

(Start: 2 @47826 has 9 MA's), (6, 47868), (7, 47871), (13, 47997), (15, 48009), (21, 48051), (25, 48078),

Gene: Odesza_68 Start: 47770, Stop: 48045, Start Num: 2

Candidate Starts for Odesza_68:

(Start: 2 @47770 has 9 MA's), (6, 47812), (7, 47815), (13, 47941), (15, 47953), (21, 47995), (25, 48022),

Gene: Pepy6_068 Start: 62108, Stop: 62392, Start Num: 3

Candidate Starts for Pepy6_068:

(3, 62108), (8, 62156), (9, 62174), (22, 62321),

Gene: Pepy6_070 Start: 61518, Stop: 61811, Start Num: 5

Candidate Starts for Pepy6_070:

(5, 61518), (20, 61701), (21, 61704),

Gene: Pepy6_074 Start: 59910, Stop: 60173, Start Num: 3

Candidate Starts for Pepy6_074:

(3, 59910), (12, 60057), (16, 60075), (18, 60093), (19, 60096), (21, 60111), (23, 60120), (24, 60132),

Gene: Pepy6_075 Start: 59597, Stop: 59881, Start Num: 3

Candidate Starts for Pepy6_075:

(3, 59597), (11, 59735),

Gene: Poco6_069 Start: 62459, Stop: 62719, Start Num: 5

Candidate Starts for Poco6_069:

(5, 62459), (10, 62510), (14, 62594), (15, 62603),

Gene: Poco6_072 Start: 61081, Stop: 61374, Start Num: 1

Candidate Starts for Poco6_072:

(1, 61081), (13, 61264), (17, 61285), (21, 61315), (23, 61324), (24, 61336), (26, 61345),

Gene: Poco6_073 Start: 60766, Stop: 61053, Start Num: 3

Candidate Starts for Poco6_073:

(3, 60766), (11, 60907), (19, 60955),

Gene: Poco6_067 Start: 63028, Stop: 63312, Start Num: 3

Candidate Starts for Poco6_067:

(3, 63028), (4, 63031), (8, 63076), (9, 63094),

Gene: Roney_69 Start: 47936, Stop: 48211, Start Num: 2

Candidate Starts for Roney_69:

(Start: 2 @47936 has 9 MA's), (6, 47978), (7, 47981), (13, 48107), (15, 48119), (21, 48161), (25, 48188),

Gene: Tanis_69 Start: 47756, Stop: 48031, Start Num: 2

Candidate Starts for Tanis_69:

(Start: 2 @47756 has 9 MA's), (6, 47798), (7, 47801), (13, 47927), (15, 47939), (21, 47981), (25, 48008),