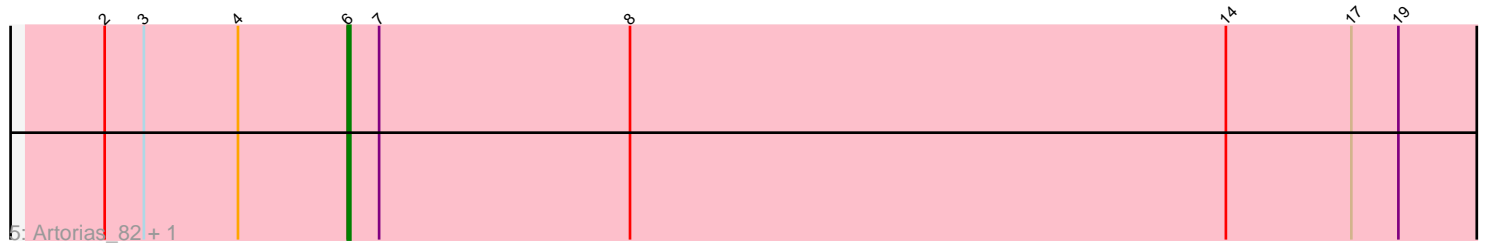
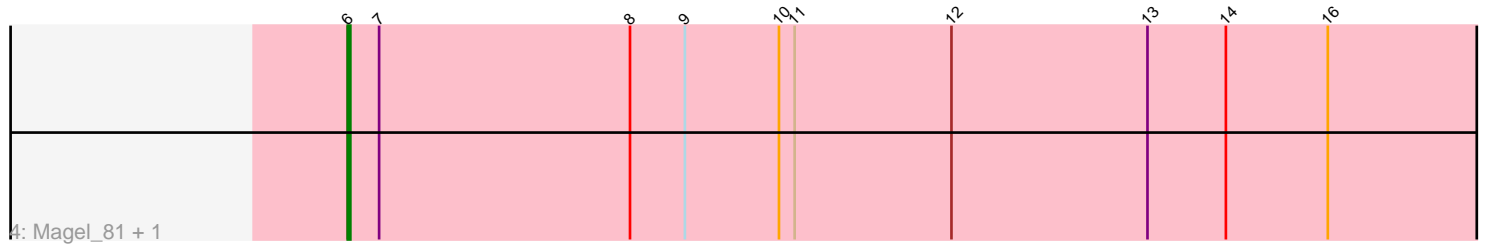
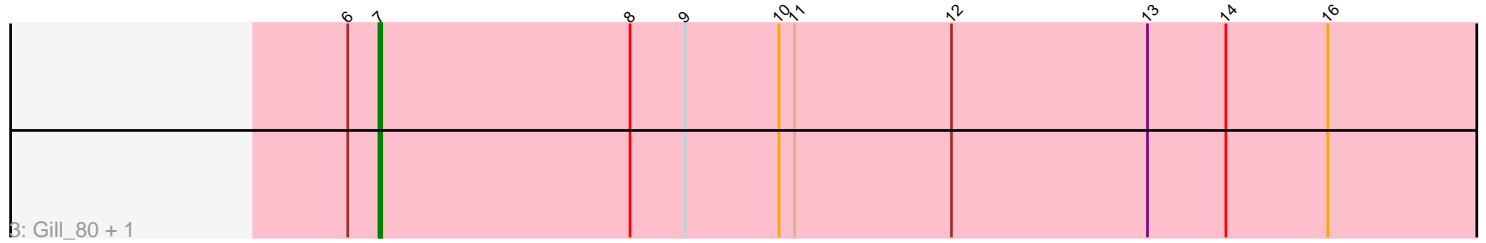
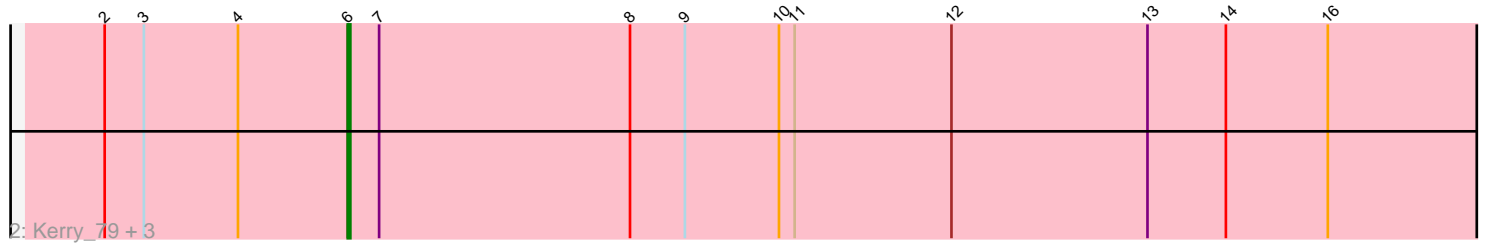


Pham 87593



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 87593 Report

This analysis was run 04/05/24 on database version 557.

Pham number 87593 has 13 members, 4 are drafts.

Phages represented in each track:

- Track 1 : Captrips_82, Avazak_83
- Track 2 : Kerry_79, Capybara_81, Gravy_79, Roney_79
- Track 3 : Gill_80, Odesza_79
- Track 4 : Magel_81, Tanis_80
- Track 5 : Artorias_82, FortCran_87
- Track 6 : Perkunas_83

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

The start number called the most often in the published annotations is 6, it was called in 7 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Artorias_82, Avazak_83, Captrips_82, Capybara_81, FortCran_87, Gravy_79, Kerry_79, Magel_81, Roney_79, Tanis_80,

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

- Gill_80, Odesza_79,

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

- Perkunas_83,

Summary by start number:

Start 5:

- Found in 1 of 13 (7.7%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Perkunas_83 (DJ),

Start 6:

- Found in 12 of 13 (92.3%) of genes in pham
- Manual Annotations of this start: 7 of 9
- Called 83.3% of time when present

- Phage (with cluster) where this start called: Artorias_82 (DJ), Avazak_83 (DJ), Captrips_82 (DJ), Capybara_81 (DJ), FortCran_87 (DJ), Gravy_79 (DJ), Kerry_79 (DJ), Magel_81 (DJ), Roney_79 (DJ), Tanis_80 (DJ),

Start 7:

- Found in 13 of 13 (100.0%) of genes in pham
- Manual Annotations of this start: 2 of 9
- Called 15.4% of time when present
- Phage (with cluster) where this start called: Gill_80 (DJ), Odesza_79 (DJ),

Summary by clusters:

There is one cluster represented in this pham: DJ

Info for manual annotations of cluster DJ:

- Start number 6 was manually annotated 7 times for cluster DJ.
- Start number 7 was manually annotated 2 times for cluster DJ.

Gene Information:

Gene: Artorias_82 Start: 51917, Stop: 52360, Start Num: 6

Candidate Starts for Artorias_82:

(2, 51824), (3, 51839), (4, 51875), (Start: 6 @51917 has 7 MA's), (Start: 7 @51929 has 2 MA's), (8, 52025), (14, 52253), (17, 52301), (19, 52319),

Gene: Avazak_83 Start: 52599, Stop: 53042, Start Num: 6

Candidate Starts for Avazak_83:

(4, 52557), (Start: 6 @52599 has 7 MA's), (Start: 7 @52611 has 2 MA's), (8, 52707), (14, 52935), (16, 52974), (17, 52983), (19, 53001),

Gene: Captrips_82 Start: 51747, Stop: 52190, Start Num: 6

Candidate Starts for Captrips_82:

(4, 51705), (Start: 6 @51747 has 7 MA's), (Start: 7 @51759 has 2 MA's), (8, 51855), (14, 52083), (16, 52122), (17, 52131), (19, 52149),

Gene: Capybara_81 Start: 51584, Stop: 52027, Start Num: 6

Candidate Starts for Capybara_81:

(2, 51491), (3, 51506), (4, 51542), (Start: 6 @51584 has 7 MA's), (Start: 7 @51596 has 2 MA's), (8, 51692), (9, 51713), (10, 51749), (11, 51755), (12, 51815), (13, 51890), (14, 51920), (16, 51959),

Gene: FortCran_87 Start: 51917, Stop: 52360, Start Num: 6

Candidate Starts for FortCran_87:

(2, 51824), (3, 51839), (4, 51875), (Start: 6 @51917 has 7 MA's), (Start: 7 @51929 has 2 MA's), (8, 52025), (14, 52253), (17, 52301), (19, 52319),

Gene: Gill_80 Start: 51623, Stop: 52054, Start Num: 7

Candidate Starts for Gill_80:

(Start: 6 @51611 has 7 MA's), (Start: 7 @51623 has 2 MA's), (8, 51719), (9, 51740), (10, 51776), (11, 51782), (12, 51842), (13, 51917), (14, 51947), (16, 51986),

Gene: Gravy_79 Start: 51274, Stop: 51717, Start Num: 6

Candidate Starts for Gravy_79:

(2, 51181), (3, 51196), (4, 51232), (Start: 6 @51274 has 7 MA's), (Start: 7 @51286 has 2 MA's), (8, 51382), (9, 51403), (10, 51439), (11, 51445), (12, 51505), (13, 51580), (14, 51610), (16, 51649),

Gene: Kerry_79 Start: 51337, Stop: 51780, Start Num: 6

Candidate Starts for Kerry_79:

(2, 51244), (3, 51259), (4, 51295), (Start: 6 @51337 has 7 MA's), (Start: 7 @51349 has 2 MA's), (8, 51445), (9, 51466), (10, 51502), (11, 51508), (12, 51568), (13, 51643), (14, 51673), (16, 51712),

Gene: Magel_81 Start: 51526, Stop: 51969, Start Num: 6

Candidate Starts for Magel_81:

(Start: 6 @51526 has 7 MA's), (Start: 7 @51538 has 2 MA's), (8, 51634), (9, 51655), (10, 51691), (11, 51697), (12, 51757), (13, 51832), (14, 51862), (16, 51901),

Gene: Odesza_79 Start: 51485, Stop: 51916, Start Num: 7

Candidate Starts for Odesza_79:

(Start: 6 @51473 has 7 MA's), (Start: 7 @51485 has 2 MA's), (8, 51581), (9, 51602), (10, 51638), (11, 51644), (12, 51704), (13, 51779), (14, 51809), (16, 51848),

Gene: Perkunas_83 Start: 51504, Stop: 51974, Start Num: 5

Candidate Starts for Perkunas_83:

(1, 51417), (5, 51504), (Start: 7 @51546 has 2 MA's), (8, 51642), (15, 51876), (18, 51930),

Gene: Roney_79 Start: 51636, Stop: 52079, Start Num: 6

Candidate Starts for Roney_79:

(2, 51543), (3, 51558), (4, 51594), (Start: 6 @51636 has 7 MA's), (Start: 7 @51648 has 2 MA's), (8, 51744), (9, 51765), (10, 51801), (11, 51807), (12, 51867), (13, 51942), (14, 51972), (16, 52011),

Gene: Tanis_80 Start: 51456, Stop: 51899, Start Num: 6

Candidate Starts for Tanis_80:

(Start: 6 @51456 has 7 MA's), (Start: 7 @51468 has 2 MA's), (8, 51564), (9, 51585), (10, 51621), (11, 51627), (12, 51687), (13, 51762), (14, 51792), (16, 51831),