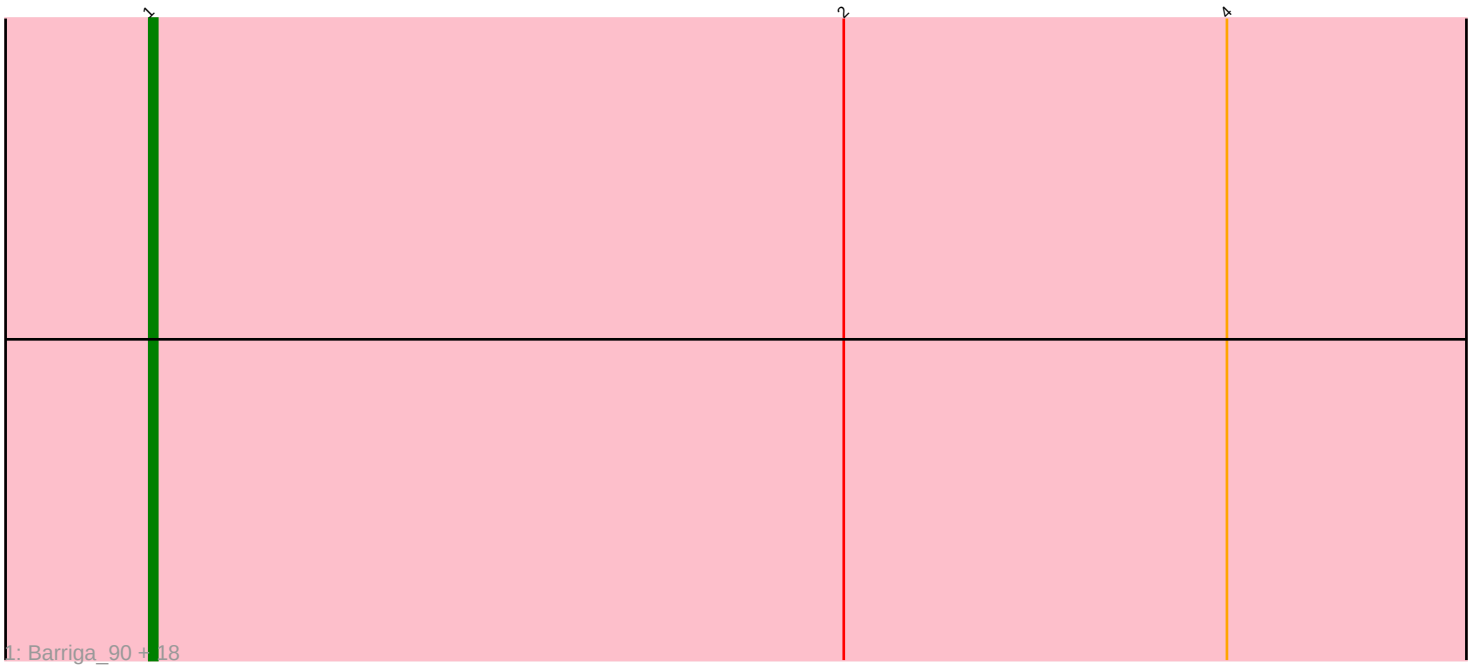
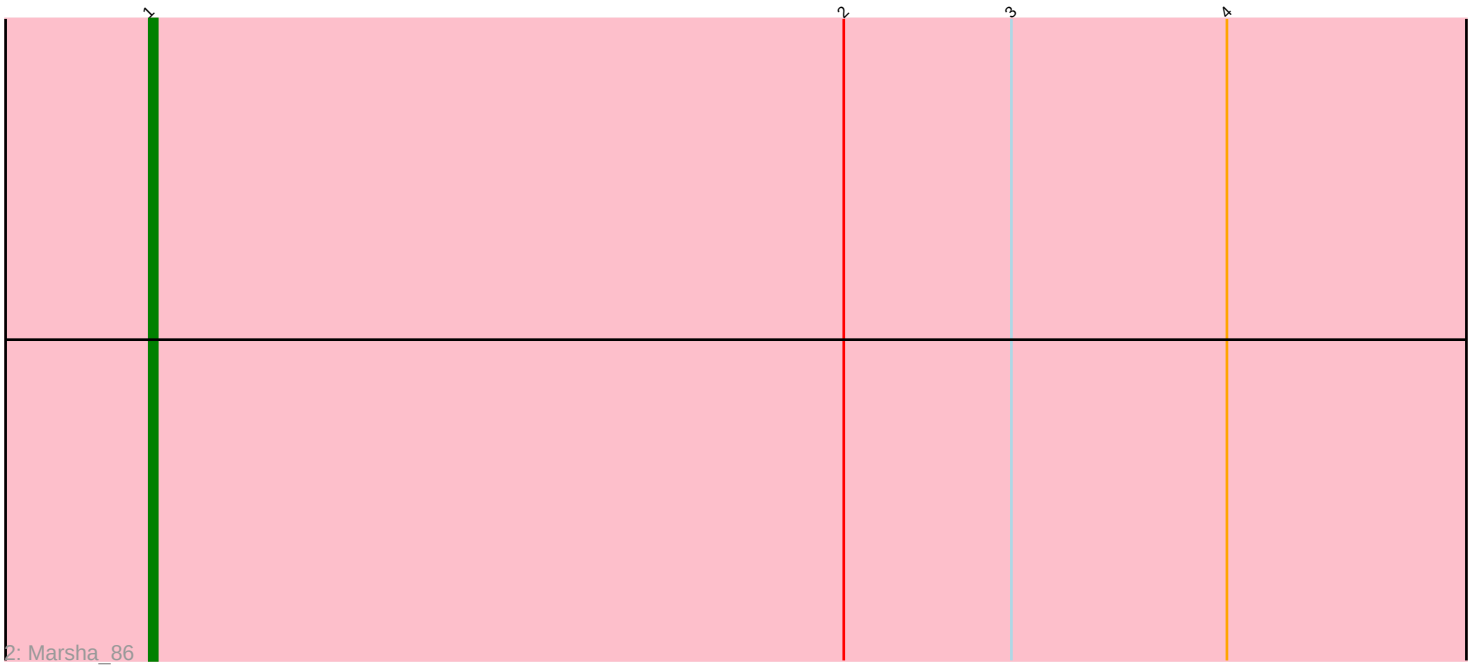
Pham 3715





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 3715 Report

This analysis was run 07/09/24 on database version 566.

Pham number 3715 has 20 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Barriga_90, Museum_83, Ichabod_85, Petp2012_83, Beatrix_81, Bob3_83, Jasper_87, Bexan_79, Ruotula_89, Graduation_86, Cueylyss_69, Dynamix_82, KSSJEB_82, Manatee_81, PherrisBueller_86, Dreamboat_87, StrongArm_80, Rufus_85, Switzer_81
• Track 2 : Marsha_86

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

The start number called the most often in the published annotations is 1, it was called in 20 of the 20 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Barriga_90, Beatrix_81, Bexan_79, Bob3_83, Cueylyss_69, Dreamboat_87, Dynamix_82, Graduation_86, Ichabod_85, Jasper_87, KSSJEB_82, Manatee_81, Marsha_86, Museum_83, Petp2012_83, PherrisBueller_86, Rufus_85, Ruotula_89, StrongArm_80, Switzer_81,

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 1:
• Found in 20 of 20 (100.0%) of genes in pham
• Manual Annotations of this start: 20 of 20
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Barriga_90 (A1), Beatrix_81 (A1), Bexan_79 (A1), Bob3_83 (A1), Cueylyss_69 (A1), Dreamboat_87 (A1), Dynamix_82 (A1), Graduation_86 (A1), Ichabod_85 (A1), Jasper_87 (A1), KSSJEB_82 (A1), Manatee_81 (A1), Marsha_86 (A1), Museum_83 (A1), Petp2012_83 (A1), PherrisBueller_86 (A1), Rufus_85 (A1), Ruotula_89 (A1), StrongArm_80 (A1),

Switzer_81 (A1),

Summary by clusters:

There is one cluster represented in this pham: A1

Info for manual annotations of cluster A1:
•Start number 1 was manually annotated 20 times for cluster A1.

Gene Information:

Gene: Barriga_90 Start: 48974, Stop: 48804, Start Num: 1
Candidate Starts for Barriga_90:
(Start: 1 @48974 has 20 MA's), (2, 48887), (4, 48839),

Gene: Beatrix_81 Start: 48302, Stop: 48132, Start Num: 1
Candidate Starts for Beatrix_81:
(Start: 1 @48302 has 20 MA's), (2, 48215), (4, 48167),

Gene: Bexan_79 Start: 48076, Stop: 47906, Start Num: 1
Candidate Starts for Bexan_79:
(Start: 1 @48076 has 20 MA's), (2, 47989), (4, 47941),

Gene: Bob3_83 Start: 48798, Stop: 48628, Start Num: 1
Candidate Starts for Bob3_83:
(Start: 1 @48798 has 20 MA's), (2, 48711), (4, 48663),

Gene: Cueylyss_69 Start: 45336, Stop: 45166, Start Num: 1
Candidate Starts for Cueylyss_69:
(Start: 1 @45336 has 20 MA's), (2, 45249), (4, 45201),

Gene: Dreamboat_87 Start: 48532, Stop: 48362, Start Num: 1
Candidate Starts for Dreamboat_87:
(Start: 1 @48532 has 20 MA's), (2, 48445), (4, 48397),

Gene: Dynamix_82 Start: 46950, Stop: 46780, Start Num: 1
Candidate Starts for Dynamix_82:
(Start: 1 @46950 has 20 MA's), (2, 46863), (4, 46815),

Gene: Graduation_86 Start: 48737, Stop: 48567, Start Num: 1
Candidate Starts for Graduation_86:
(Start: 1 @48737 has 20 MA's), (2, 48650), (4, 48602),

Gene: Ichabod_85 Start: 48800, Stop: 48630, Start Num: 1
Candidate Starts for Ichabod_85:
(Start: 1 @48800 has 20 MA's), (2, 48713), (4, 48665),

Gene: Jasper_87 Start: 48418, Stop: 48248, Start Num: 1
Candidate Starts for Jasper_87:
(Start: 1 @48418 has 20 MA's), (2, 48331), (4, 48283),

Gene: KSSJEB_82 Start: 47483, Stop: 47313, Start Num: 1
Candidate Starts for KSSJEB_82:
(Start: 1 @47483 has 20 MA's), (2, 47396), (4, 47348),

Gene: Manatee_81 Start: 47061, Stop: 46891, Start Num: 1
Candidate Starts for Manatee_81:
(Start: 1 @47061 has 20 MA's), (2, 46974), (4, 46926),

Gene: Marsha_86 Start: 51135, Stop: 50965, Start Num: 1
Candidate Starts for Marsha_86:
(Start: 1 @51135 has 20 MA's), (2, 51048), (3, 51027), (4, 51000),

Gene: Museum_83 Start: 48794, Stop: 48624, Start Num: 1
Candidate Starts for Museum_83:
(Start: 1 @48794 has 20 MA's), (2, 48707), (4, 48659),

Gene: Petp2012_83 Start: 49115, Stop: 48945, Start Num: 1
Candidate Starts for Petp2012_83:
(Start: 1 @49115 has 20 MA's), (2, 49028), (4, 48980),

Gene: PherrisBueller_86 Start: 48069, Stop: 47899, Start Num: 1
Candidate Starts for PherrisBueller_86:
(Start: 1 @48069 has 20 MA's), (2, 47982), (4, 47934),

Gene: Rufus_85 Start: 49359, Stop: 49189, Start Num: 1
Candidate Starts for Rufus_85:
(Start: 1 @49359 has 20 MA's), (2, 49272), (4, 49224),

Gene: Ruotula_89 Start: 50340, Stop: 50170, Start Num: 1
Candidate Starts for Ruotula_89:
(Start: 1 @50340 has 20 MA's), (2, 50253), (4, 50205),

Gene: StrongArm_80 Start: 48204, Stop: 48034, Start Num: 1
Candidate Starts for StrongArm_80:
(Start: 1 @48204 has 20 MA's), (2, 48117), (4, 48069),

Gene: Switzer_81 Start: 48302, Stop: 48132, Start Num: 1
Candidate Starts for Switzer_81:
(Start: 1 @48302 has 20 MA's), (2, 48215), (4, 48167),