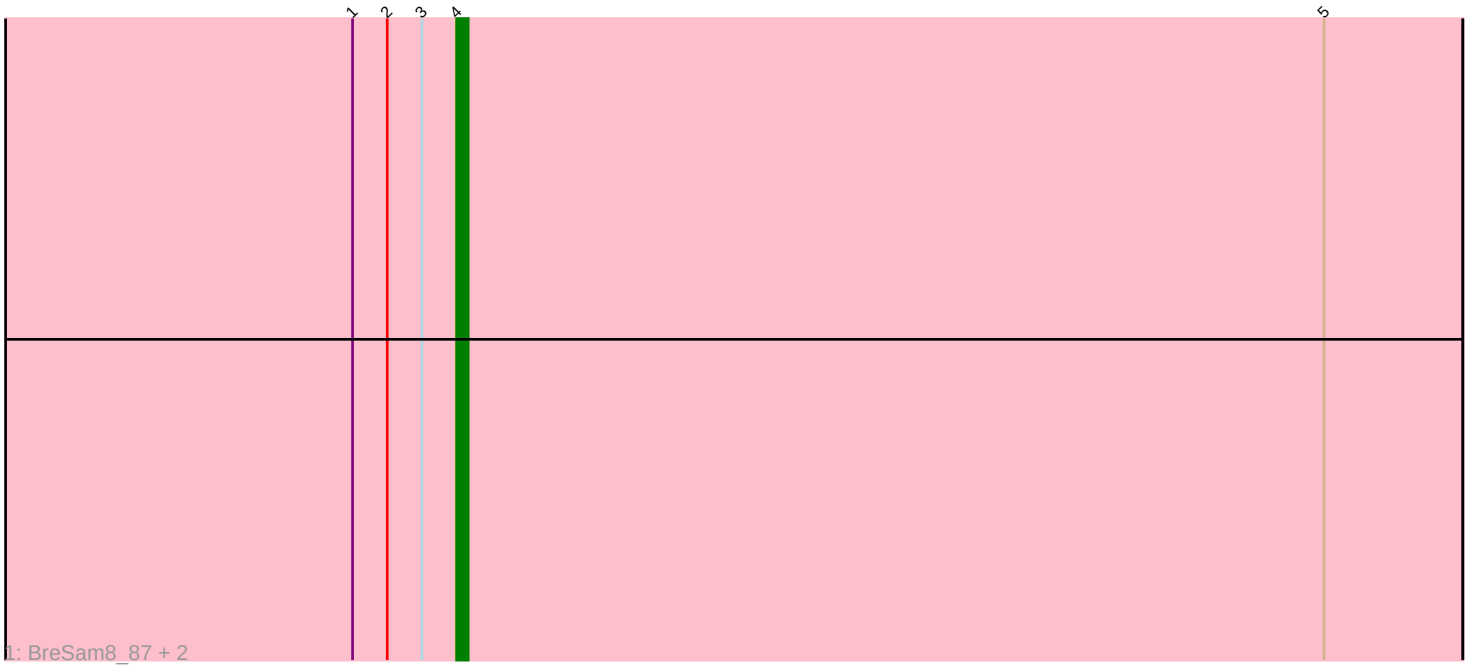
Pham 106745



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 106745 Report

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

Pham number 106745 has 14 members, 0 are drafts.

Phages represented in each track:
• Track 1 : BreSam8_87, GtownJaz_87, SoilDragon_87
• Track 2 : Anubis_91, Malinsilva_90, Pembroke_87, StepMih_87, DaHudson_86, LBerry_88, Spike509_87, PGHhamlin_89, Mainiac_86, Watson_86, Ollie_87

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

The start number called the most often in the published annotations is 3, it was called in 11 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Anubis_91, DaHudson_86, LBerry_88, Mainiac_86, Malinsilva_90, Ollie_87, PGHhamlin_89, Pembroke_87, Spike509_87, StepMih_87, Watson_86,

Genes that have the "Most Annotated" start but do not call it:
• BreSam8_87, GtownJaz_87, SoilDragon_87,

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

Summary by start number:

Start 3:
• Found in 14 of 14 (100.0%) of genes in pham
• Manual Annotations of this start: 11 of 14
• Called 78.6% of time when present
• Phage (with cluster) where this start called: Anubis_91 (A3), DaHudson_86 (A3), LBerry_88 (A3), Mainiac_86 (A3), Malinsilva_90 (A3), Ollie_87 (A3), PGHhamlin_89 (A3), Pembroke_87 (A3), Spike509_87 (A3), StepMih_87 (A3), Watson_86 (A3),

Start 4:
• Found in 14 of 14 (100.0%) of genes in pham
• Manual Annotations of this start: 3 of 14
• Called 21.4% of time when present

• Phage (with cluster) where this start called: BreSam8_87 (A3), GtownJaz_87 (A3), SoilDragon_87 (A3),

Summary by clusters:

There is one cluster represented in this pham: A3

Info for manual annotations of cluster A3:
•Start number 3 was manually annotated 11 times for cluster A3.
•Start number 4 was manually annotated 3 times for cluster A3.

Gene Information:

Gene: Anubis_91 Start: 47756, Stop: 47667, Start Num: 3
Candidate Starts for Anubis_91:
(1, 47762), (2, 47759), (Start: 3 @47756 has 11 MA's), (Start: 4 @47753 has 3 MA's), (5, 47678),

Gene: BreSam8_87 Start: 47855, Stop: 47769, Start Num: 4
Candidate Starts for BreSam8_87:
(1, 47864), (2, 47861), (Start: 3 @47858 has 11 MA's), (Start: 4 @47855 has 3 MA's), (5, 47780),

Gene: DaHudson_86 Start: 47857, Stop: 47768, Start Num: 3
Candidate Starts for DaHudson_86:
(1, 47863), (2, 47860), (Start: 3 @47857 has 11 MA's), (Start: 4 @47854 has 3 MA's), (5, 47779),

Gene: GtownJaz_87 Start: 47862, Stop: 47776, Start Num: 4
Candidate Starts for GtownJaz_87:
(1, 47871), (2, 47868), (Start: 3 @47865 has 11 MA's), (Start: 4 @47862 has 3 MA's), (5, 47787),

Gene: LBerry_88 Start: 47868, Stop: 47779, Start Num: 3
Candidate Starts for LBerry_88:
(1, 47874), (2, 47871), (Start: 3 @47868 has 11 MA's), (Start: 4 @47865 has 3 MA's), (5, 47790),

Gene: Mainiac_86 Start: 47857, Stop: 47768, Start Num: 3
Candidate Starts for Mainiac_86:
(1, 47863), (2, 47860), (Start: 3 @47857 has 11 MA's), (Start: 4 @47854 has 3 MA's), (5, 47779),

Gene: Malinsilva_90 Start: 47856, Stop: 47767, Start Num: 3
Candidate Starts for Malinsilva_90:
(1, 47862), (2, 47859), (Start: 3 @47856 has 11 MA's), (Start: 4 @47853 has 3 MA's), (5, 47778),

Gene: Ollie_87 Start: 47735, Stop: 47646, Start Num: 3
Candidate Starts for Ollie_87:
(1, 47741), (2, 47738), (Start: 3 @47735 has 11 MA's), (Start: 4 @47732 has 3 MA's), (5, 47657),

Gene: PGHhamlin_89 Start: 47856, Stop: 47767, Start Num: 3
Candidate Starts for PGHhamlin_89:
(1, 47862), (2, 47859), (Start: 3 @47856 has 11 MA's), (Start: 4 @47853 has 3 MA's), (5, 47778),

Gene: Pembroke_87 Start: 47865, Stop: 47776, Start Num: 3
Candidate Starts for Pembroke_87:

(1, 47871), (2, 47868), (Start: 3 @47865 has 11 MA's), (Start: 4 @47862 has 3 MA's), (5, 47787),

Gene: SoilDragon_87 Start: 47304, Stop: 47218, Start Num: 4
Candidate Starts for SoilDragon_87:
(1, 47313), (2, 47310), (Start: 3 @47307 has 11 MA's), (Start: 4 @47304 has 3 MA's), (5, 47229),

Gene: Spike509_87 Start: 47889, Stop: 47800, Start Num: 3
Candidate Starts for Spike509_87:
(1, 47895), (2, 47892), (Start: 3 @47889 has 11 MA's), (Start: 4 @47886 has 3 MA's), (5, 47811),

Gene: StepMih_87 Start: 47858, Stop: 47769, Start Num: 3
Candidate Starts for StepMih_87:
(1, 47864), (2, 47861), (Start: 3 @47858 has 11 MA's), (Start: 4 @47855 has 3 MA's), (5, 47780),

Gene: Watson_86 Start: 47856, Stop: 47767, Start Num: 3
Candidate Starts for Watson_86:
(1, 47862), (2, 47859), (Start: 3 @47856 has 11 MA's), (Start: 4 @47853 has 3 MA's), (5, 47778),