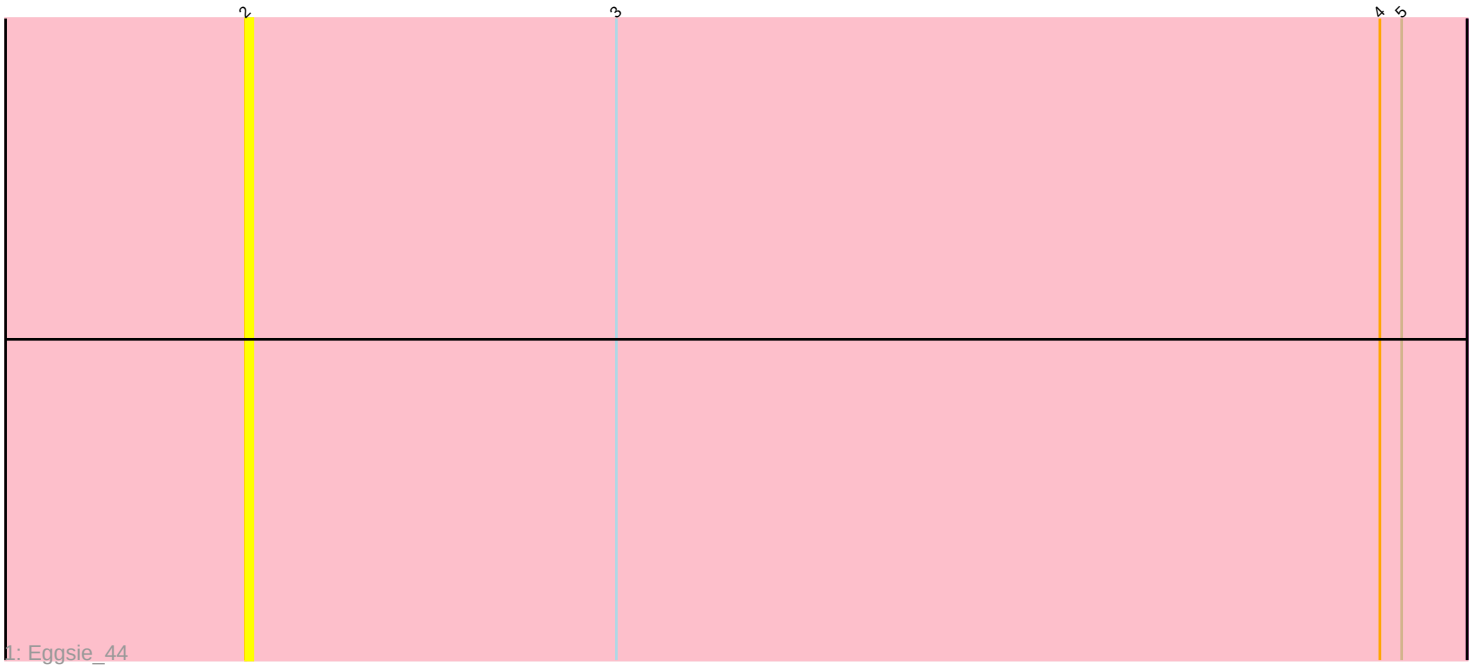
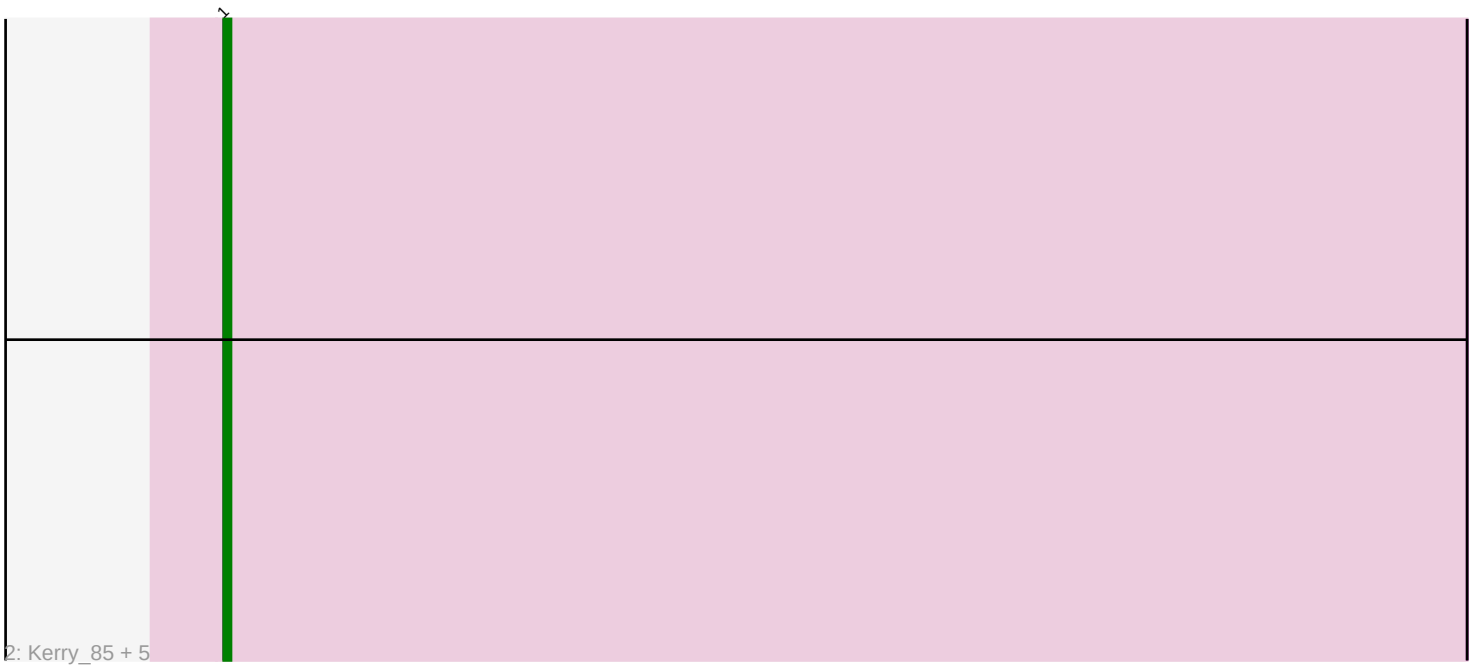
Pham 28102





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 28102 Report

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

Pham number 28102 has 7 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Eggsie_44
• Track 2 : Kerry_85, Gravy_85, Magel_87, Odesza_85, Gill_86, Tanis_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 6 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Gill_86, Gravy_85, Kerry_85, Magel_87, Odesza_85, Tanis_86,

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

Genes that do not have the "Most Annotated" start:
• Eggsie_44,

Summary by start number:

Start 1:
• Found in 6 of 7 (85.7%) of genes in pham
• Manual Annotations of this start: 6 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Gill_86 (DJ), Gravy_85 (DJ), Kerry_85 (DJ), Magel_87 (DJ), Odesza_85 (DJ), Tanis_86 (DJ),

Start 2:
• Found in 1 of 7 (14.3%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Eggsie_44 (CS2),

Summary by clusters:

There are 2 clusters represented in this pham: DJ, CS2,

Info for manual annotations of cluster DJ:
•Start number 1 was manually annotated 6 times for cluster DJ.

Gene Information:

Gene: Eggsie_44 Start: 43574, Stop: 43407, Start Num: 2
Candidate Starts for Eggsie_44:
(2, 43574), (3, 43523), (4, 43418), (5, 43415),

Gene: Gill_86 Start: 53439, Stop: 53609, Start Num: 1
Candidate Starts for Gill_86:
(Start: 1 @53439 has 6 MA's),

Gene: Gravy_85 Start: 53102, Stop: 53272, Start Num: 1
Candidate Starts for Gravy_85:
(Start: 1 @53102 has 6 MA's),

Gene: Kerry_85 Start: 53165, Stop: 53335, Start Num: 1
Candidate Starts for Kerry_85:
(Start: 1 @53165 has 6 MA's),

Gene: Magel_87 Start: 53354, Stop: 53524, Start Num: 1
Candidate Starts for Magel_87:
(Start: 1 @53354 has 6 MA's),

Gene: Odesza_85 Start: 53301, Stop: 53471, Start Num: 1
Candidate Starts for Odesza_85:
(Start: 1 @53301 has 6 MA's),

Gene: Tanis_86 Start: 53284, Stop: 53454, Start Num: 1
Candidate Starts for Tanis_86:
(Start: 1 @53284 has 6 MA's),