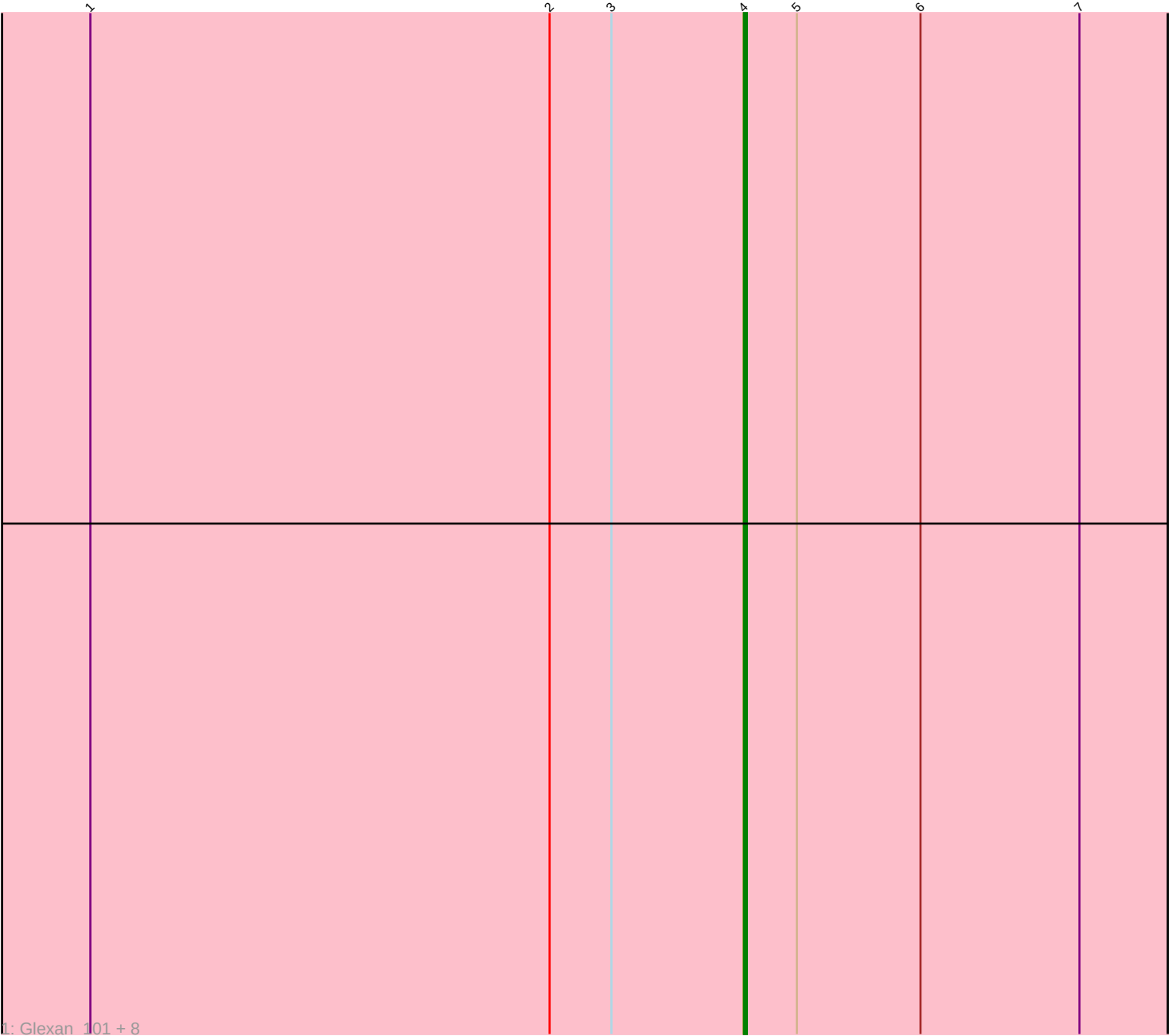




Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly 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 284465 Report

This analysis was run 02/23/26 on database version 636.

Pham number 284465 has 9 members, 6 are drafts.

Phages represented in each track:

- Track 1 : Glexan_101, Becksu_100, MollyToe_96, Brewer_96, FairyPath_102, Palpatine_103, Thimble_104, FoghornLeghorn_95, BugsBunny_101

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

The start number called the most often in the published annotations is 4, it was called in 3 of the 3 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Becksu_100, Brewer_96, BugsBunny_101, FairyPath_102, FoghornLeghorn_95, Glexan_101, MollyToe_96, Palpatine_103, Thimble_104,

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 4:

- Found in 9 of 9 (100.0%) of genes in pham
- Manual Annotations of this start: 3 of 3
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Becksu_100 (E), Brewer_96 (E), BugsBunny_101 (E), FairyPath_102 (E), FoghornLeghorn_95 (E), Glexan_101 (E), MollyToe_96 (E), Palpatine_103 (E), Thimble_104 (E),

Summary by clusters:

There is one cluster represented in this pham: E

Info for manual annotations of cluster E:

- Start number 4 was manually annotated 3 times for cluster E.

Gene Information:

Gene: Becksu_100 Start: 61229, Stop: 61381, Start Num: 4

Candidate Starts for Becksu_100:

(1, 61007), (2, 61163), (3, 61184), (Start: 4 @61229 has 3 MA's), (5, 61247), (6, 61289), (7, 61343),

Gene: Brewer_96 Start: 59774, Stop: 59926, Start Num: 4

Candidate Starts for Brewer_96:

(1, 59552), (2, 59708), (3, 59729), (Start: 4 @59774 has 3 MA's), (5, 59792), (6, 59834), (7, 59888),

Gene: BugsBunny_101 Start: 61595, Stop: 61747, Start Num: 4

Candidate Starts for BugsBunny_101:

(1, 61373), (2, 61529), (3, 61550), (Start: 4 @61595 has 3 MA's), (5, 61613), (6, 61655), (7, 61709),

Gene: FairyPath_102 Start: 61751, Stop: 61903, Start Num: 4

Candidate Starts for FairyPath_102:

(1, 61529), (2, 61685), (3, 61706), (Start: 4 @61751 has 3 MA's), (5, 61769), (6, 61811), (7, 61865),

Gene: FoghornLeghorn_95 Start: 58612, Stop: 58764, Start Num: 4

Candidate Starts for FoghornLeghorn_95:

(1, 58390), (2, 58546), (3, 58567), (Start: 4 @58612 has 3 MA's), (5, 58630), (6, 58672), (7, 58726),

Gene: Glexan_101 Start: 61037, Stop: 61189, Start Num: 4

Candidate Starts for Glexan_101:

(1, 60815), (2, 60971), (3, 60992), (Start: 4 @61037 has 3 MA's), (5, 61055), (6, 61097), (7, 61151),

Gene: MollyToe_96 Start: 59077, Stop: 59229, Start Num: 4

Candidate Starts for MollyToe_96:

(1, 58855), (2, 59011), (3, 59032), (Start: 4 @59077 has 3 MA's), (5, 59095), (6, 59137), (7, 59191),

Gene: Palpatine_103 Start: 61977, Stop: 62129, Start Num: 4

Candidate Starts for Palpatine_103:

(1, 61755), (2, 61911), (3, 61932), (Start: 4 @61977 has 3 MA's), (5, 61995), (6, 62037), (7, 62091),

Gene: Thimble_104 Start: 60243, Stop: 60395, Start Num: 4

Candidate Starts for Thimble_104:

(1, 60021), (2, 60177), (3, 60198), (Start: 4 @60243 has 3 MA's), (5, 60261), (6, 60303), (7, 60357),