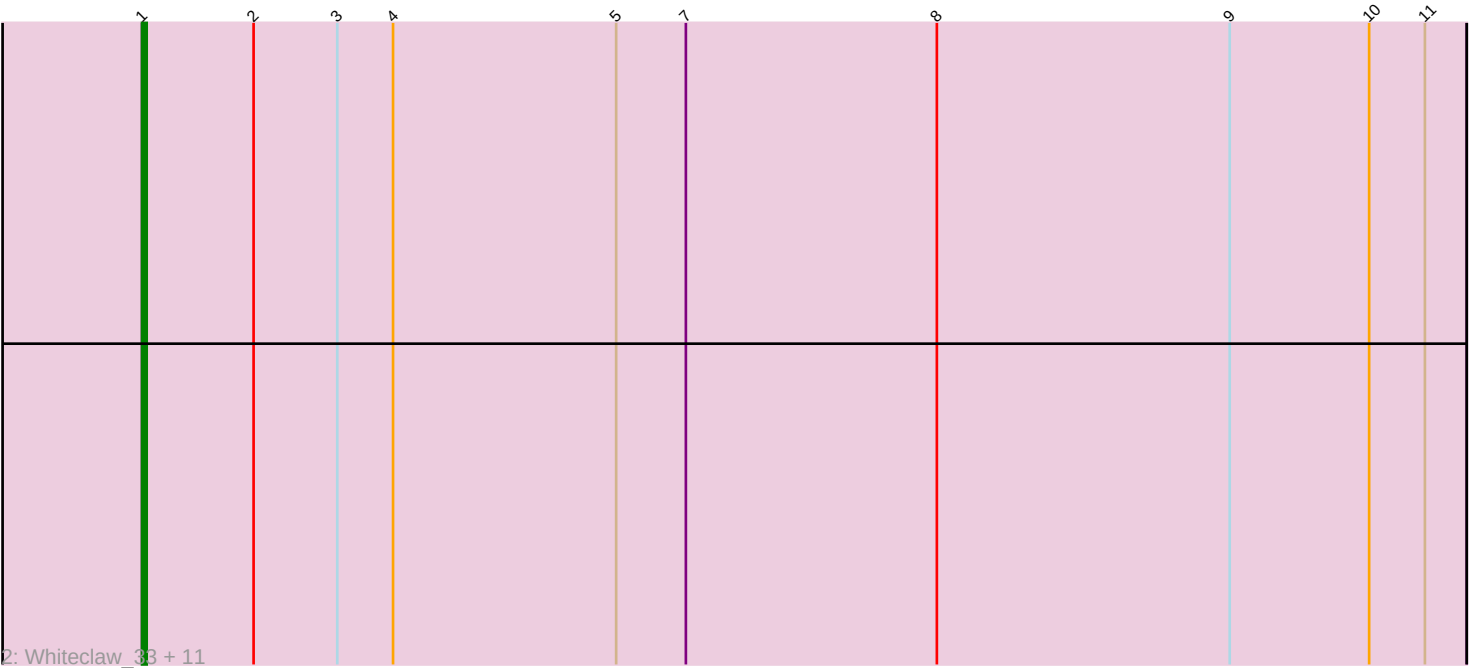
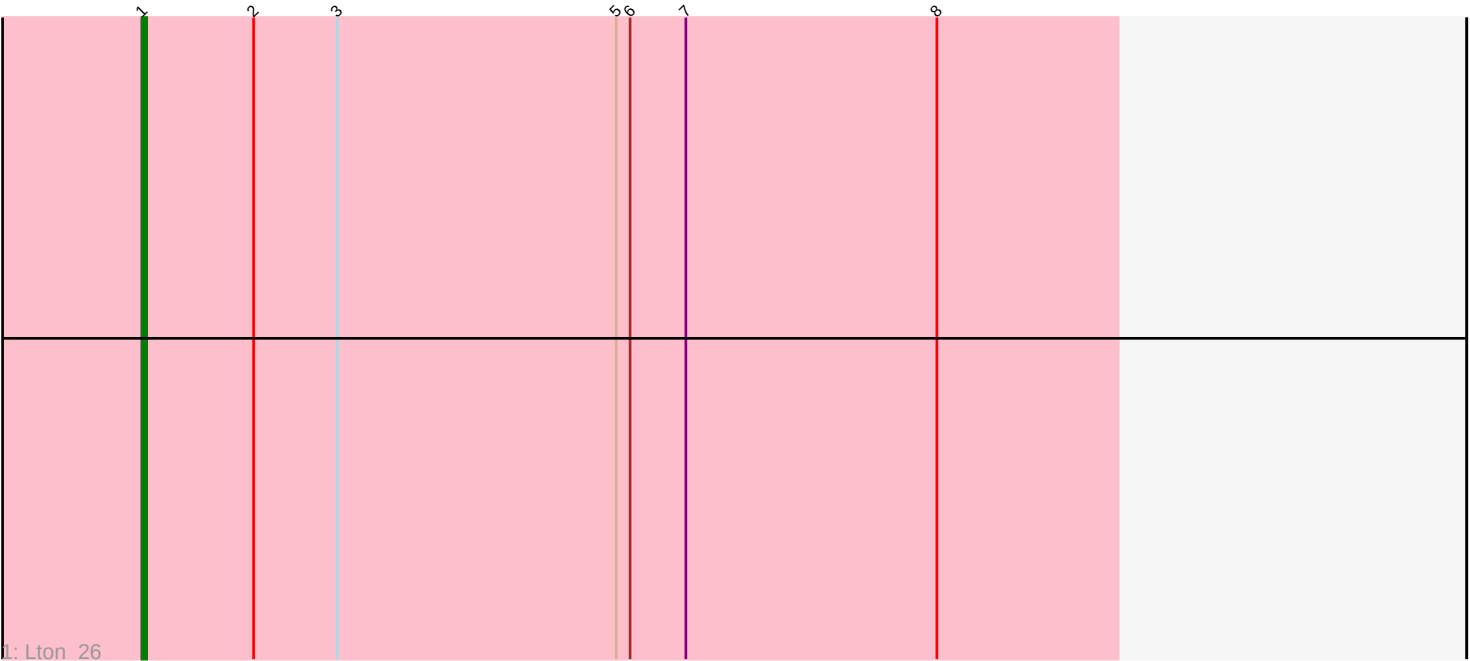




Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly 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 309604 Report

This analysis was run 09/05/26 on database version 662.

Pham number 309604 has 13 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Lton_26
- Track 2 : Whiteclaw_33, Gizermo_33, Haley23_33, Ebert_34, Savage_33, Sahara_32, Cynthia_33, Sproutie_33, Clap_33, Mocha12_33, TuertoX_33, GemG_33

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 13 of the 13 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Clap_33, Cynthia_33, Ebert_34, GemG_33, Gizermo_33, Haley23_33, Lton_26, Mocha12_33, Sahara_32, Savage_33, Sproutie_33, TuertoX_33, Whiteclaw_33,

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 13 of 13 (100.0%) of genes in pham
- Manual Annotations of this start: 13 of 13
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Clap_33 (CZ2), Cynthia_33 (CZ2), Ebert_34 (CZ2), GemG_33 (CZ2), Gizermo_33 (CZ2), Haley23_33 (CZ2), Lton_26 (CZ), Mocha12_33 (CZ2), Sahara_32 (CZ2), Savage_33 (CZ2), Sproutie_33 (CZ2), TuertoX_33 (CZ2), Whiteclaw_33 (CZ2),

Summary by clusters:

There are 2 clusters represented in this pham: CZ2, CZ,

Info for manual annotations of cluster CZ:

- Start number 1 was manually annotated 1 time for cluster CZ.

Info for manual annotations of cluster CZ2:

- Start number 1 was manually annotated 12 times for cluster CZ2.

Gene Information:

Gene: Clap_33 Start: 26324, Stop: 26040, Start Num: 1

Candidate Starts for Clap_33:

(Start: 1 @26324 has 13 MA's), (2, 26300), (3, 26282), (4, 26270), (5, 26222), (7, 26207), (8, 26153), (9, 26090), (10, 26060), (11, 26048),

Gene: Cynthia_33 Start: 26324, Stop: 26040, Start Num: 1

Candidate Starts for Cynthia_33:

(Start: 1 @26324 has 13 MA's), (2, 26300), (3, 26282), (4, 26270), (5, 26222), (7, 26207), (8, 26153), (9, 26090), (10, 26060), (11, 26048),

Gene: Ebert_34 Start: 26248, Stop: 25964, Start Num: 1

Candidate Starts for Ebert_34:

(Start: 1 @26248 has 13 MA's), (2, 26224), (3, 26206), (4, 26194), (5, 26146), (7, 26131), (8, 26077), (9, 26014), (10, 25984), (11, 25972),

Gene: GemG_33 Start: 26324, Stop: 26040, Start Num: 1

Candidate Starts for GemG_33:

(Start: 1 @26324 has 13 MA's), (2, 26300), (3, 26282), (4, 26270), (5, 26222), (7, 26207), (8, 26153), (9, 26090), (10, 26060), (11, 26048),

Gene: Gizermo_33 Start: 26324, Stop: 26040, Start Num: 1

Candidate Starts for Gizermo_33:

(Start: 1 @26324 has 13 MA's), (2, 26300), (3, 26282), (4, 26270), (5, 26222), (7, 26207), (8, 26153), (9, 26090), (10, 26060), (11, 26048),

Gene: Haley23_33 Start: 26324, Stop: 26040, Start Num: 1

Candidate Starts for Haley23_33:

(Start: 1 @26324 has 13 MA's), (2, 26300), (3, 26282), (4, 26270), (5, 26222), (7, 26207), (8, 26153), (9, 26090), (10, 26060), (11, 26048),

Gene: Lton_26 Start: 22925, Stop: 22716, Start Num: 1

Candidate Starts for Lton_26:

(Start: 1 @22925 has 13 MA's), (2, 22901), (3, 22883), (5, 22823), (6, 22820), (7, 22808), (8, 22754),

Gene: Mocha12_33 Start: 26324, Stop: 26040, Start Num: 1

Candidate Starts for Mocha12_33:

(Start: 1 @26324 has 13 MA's), (2, 26300), (3, 26282), (4, 26270), (5, 26222), (7, 26207), (8, 26153), (9, 26090), (10, 26060), (11, 26048),

Gene: Sahara_32 Start: 25994, Stop: 25710, Start Num: 1

Candidate Starts for Sahara_32:

(Start: 1 @25994 has 13 MA's), (2, 25970), (3, 25952), (4, 25940), (5, 25892), (7, 25877), (8, 25823), (9, 25760), (10, 25730), (11, 25718),

Gene: Savage_33 Start: 26324, Stop: 26040, Start Num: 1

Candidate Starts for Savage_33:

(Start: 1 @26324 has 13 MA's), (2, 26300), (3, 26282), (4, 26270), (5, 26222), (7, 26207), (8, 26153), (9, 26090), (10, 26060), (11, 26048),

Gene: Sproutie_33 Start: 26324, Stop: 26040, Start Num: 1

Candidate Starts for Sproutie_33:

(Start: 1 @26324 has 13 MA's), (2, 26300), (3, 26282), (4, 26270), (5, 26222), (7, 26207), (8, 26153), (9, 26090), (10, 26060), (11, 26048),

Gene: TuertoX_33 Start: 26324, Stop: 26040, Start Num: 1

Candidate Starts for TuertoX_33:

(Start: 1 @26324 has 13 MA's), (2, 26300), (3, 26282), (4, 26270), (5, 26222), (7, 26207), (8, 26153), (9, 26090), (10, 26060), (11, 26048),

Gene: Whiteclaw_33 Start: 26324, Stop: 26040, Start Num: 1

Candidate Starts for Whiteclaw_33:

(Start: 1 @26324 has 13 MA's), (2, 26300), (3, 26282), (4, 26270), (5, 26222), (7, 26207), (8, 26153), (9, 26090), (10, 26060), (11, 26048),