# Pham 232309

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 232309 Report

This analysis was run 02/07/26 on database version 634.

Pham number 232309 has 4 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Eevee_56, JoyLin_56, Yotsuba_56
• Track 2 : Pippin15_57


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

The start number called the most often in the published annotations is 2, it was called in 3 of the 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Eevee_56, JoyLin_56, Yotsuba_56,

Genes that have the "Most Annotated" start but do not call it:
• Pippin15_57,

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

**Summary by start number:**

Start 1:
• Found in 4 of 4 ( 100.0% ) of genes in pham
• Manual Annotations of this start: 1 of 4
• Called 25.0% of time when present
• Phage (with cluster) where this start called: Pippin15_57 (JA),

Start 2:
• Found in 4 of 4 ( 100.0% ) of genes in pham
• Manual Annotations of this start: 3 of 4
• Called 75.0% of time when present
• Phage (with cluster) where this start called: Eevee_56 (JA), JoyLin_56 (JA), Yotsuba_56 (JA),

**Summary by clusters:**

There is one cluster represented in this pham: JA

Info for manual annotations of cluster JA:
•Start number 1 was manually annotated 1 time for cluster JA.
•Start number 2 was manually annotated 3 times for cluster JA.

### *Gene Information:*

Gene: Eevee_56 Start: 42876, Stop: 43055, Start Num: 2
Candidate Starts for Eevee_56:
(Start: 1 @42864 has 1 MA's), (Start: 2 @42876 has 3 MA's), (3, 42912), (4, 42975), (5, 42990),

Gene: JoyLin_56 Start: 42996, Stop: 43175, Start Num: 2
Candidate Starts for JoyLin_56:
(Start: 1 @42984 has 1 MA's), (Start: 2 @42996 has 3 MA's), (3, 43032), (4, 43095), (5, 43110),

Gene: Pippin15_57 Start: 39927, Stop: 40118, Start Num: 1
Candidate Starts for Pippin15_57:
(Start: 1 @39927 has 1 MA's), (Start: 2 @39939 has 3 MA's), (4, 40038), (5, 40053),

Gene: Yotsuba_56 Start: 43014, Stop: 43193, Start Num: 2
Candidate Starts for Yotsuba_56:
(Start: 1 @43002 has 1 MA's), (Start: 2 @43014 has 3 MA's), (3, 43050), (4, 43113), (5, 43128),