



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 290194 Report

This analysis was run 03/28/26 on database version 641.

Pham number 290194 has 4 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Makar_73, Clawz_72
- Track 2 : FruityLoops_77, UBSmoodge_80

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 1 of the 2 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- FruityLoops_77, UBSmoodge_80,

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

- Clawz_72, Makar_73,

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

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Summary by start number:

Start 3:

- Found in 4 of 4 (100.0%) of genes in pham
- Manual Annotations of this start: 1 of 2
- Called 50.0% of time when present
- Phage (with cluster) where this start called: FruityLoops_77 (DQ), UBSmoodge_80 (DQ),

Start 5:

- Found in 2 of 4 (50.0%) of genes in pham
- Manual Annotations of this start: 1 of 2
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Clawz_72 (CP), Makar_73 (CP),

Summary by clusters:

There are 2 clusters represented in this pham: CP, DQ,

Info for manual annotations of cluster CP:

- Start number 5 was manually annotated 1 time for cluster CP.

Info for manual annotations of cluster DQ:

- Start number 3 was manually annotated 1 time for cluster DQ.

Gene Information:

Gene: Clawz_72 Start: 48155, Stop: 48379, Start Num: 5

Candidate Starts for Clawz_72:

(Start: 3 @48107 has 1 MA's), (Start: 5 @48155 has 1 MA's), (7, 48227), (8, 48233), (9, 48251), (10, 48254), (11, 48269), (12, 48293), (14, 48371),

Gene: FruityLoops_77 Start: 64804, Stop: 65106, Start Num: 3

Candidate Starts for FruityLoops_77:

(1, 64732), (2, 64744), (Start: 3 @64804 has 1 MA's), (4, 64852), (6, 64894), (13, 65071),

Gene: Makar_73 Start: 48182, Stop: 48406, Start Num: 5

Candidate Starts for Makar_73:

(Start: 3 @48134 has 1 MA's), (Start: 5 @48182 has 1 MA's), (7, 48254), (8, 48260), (9, 48278), (10, 48281), (11, 48296), (12, 48320), (14, 48398),

Gene: UBSmoodge_80 Start: 65247, Stop: 65549, Start Num: 3

Candidate Starts for UBSmoodge_80:

(1, 65175), (2, 65187), (Start: 3 @65247 has 1 MA's), (4, 65295), (6, 65337), (13, 65514),