



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 211587 Report

This analysis was run 02/22/25 on database version 588.

Pham number 211587 has 9 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Hexbug_68, Orla_69, Nodigi_68
- Track 2 : Jamzy_68, GiKK_68, Button_64
- Track 3 : RanchParmCat_68, Margaret_68
- Track 4 : Yakult_66

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 6 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Button_64, GiKK_68, Jamzy_68, Margaret_68, RanchParmCat_68, Yakult_66,

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

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

- Hexbug_68, Nodigi_68, Orla_69,

Summary by start number:

Start 3:

- Found in 3 of 9 (33.3%) of genes in pham
- Manual Annotations of this start: 3 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Hexbug_68 (CT), Nodigi_68 (CT), Orla_69 (CT),

Start 4:

- Found in 6 of 9 (66.7%) of genes in pham
- Manual Annotations of this start: 6 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Button_64 (CT), GiKK_68 (CT), Jamzy_68 (CT), Margaret_68 (CT), RanchParmCat_68 (CT), Yakult_66 (CT),

Summary by clusters:

There is one cluster represented in this pham: CT

Info for manual annotations of cluster CT:

- Start number 3 was manually annotated 3 times for cluster CT.
- Start number 4 was manually annotated 6 times for cluster CT.

Gene Information:

Gene: Button_64 Start: 43654, Stop: 43752, Start Num: 4

Candidate Starts for Button_64:

(Start: 4 @43654 has 6 MA's), (6, 43675), (8, 43693),

Gene: GiKK_68 Start: 44943, Stop: 45041, Start Num: 4

Candidate Starts for GiKK_68:

(Start: 4 @44943 has 6 MA's), (6, 44964), (8, 44982),

Gene: Hexbug_68 Start: 45136, Stop: 45237, Start Num: 3

Candidate Starts for Hexbug_68:

(Start: 3 @45136 has 3 MA's), (9, 45181),

Gene: Jamzy_68 Start: 44679, Stop: 44777, Start Num: 4

Candidate Starts for Jamzy_68:

(Start: 4 @44679 has 6 MA's), (6, 44700), (8, 44718),

Gene: Margaret_68 Start: 44381, Stop: 44482, Start Num: 4

Candidate Starts for Margaret_68:

(Start: 4 @44381 has 6 MA's), (6, 44402), (8, 44420), (11, 44453),

Gene: Nodigi_68 Start: 45157, Stop: 45258, Start Num: 3

Candidate Starts for Nodigi_68:

(Start: 3 @45157 has 3 MA's), (9, 45202),

Gene: Orla_69 Start: 45291, Stop: 45392, Start Num: 3

Candidate Starts for Orla_69:

(Start: 3 @45291 has 3 MA's), (9, 45336),

Gene: RanchParmCat_68 Start: 44673, Stop: 44774, Start Num: 4

Candidate Starts for RanchParmCat_68:

(Start: 4 @44673 has 6 MA's), (6, 44694), (8, 44712), (11, 44745),

Gene: Yakult_66 Start: 44863, Stop: 44964, Start Num: 4

Candidate Starts for Yakult_66:

(1, 44713), (2, 44737), (Start: 4 @44863 has 6 MA's), (5, 44872), (6, 44884), (7, 44896), (8, 44902), (10, 44914), (12, 44944),