



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 88146 Report

This analysis was run 04/28/24 on database version 559.

Pham number 88146 has 8 members, 3 are drafts.

Phages represented in each track:

- Track 1 : BBQValindra_63
- Track 2 : HannahD_66, GEazy_69, Opie_69
- Track 3 : ZAYM_72, TaronosaurusRx_73
- Track 4 : MagicMan_66
- Track 5 : BackstagePass_68

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 5 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- BBQValindra_63, GEazy_69, HannahD_66, MagicMan_66, Opie_69, TaronosaurusRx_73, ZAYM_72,

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:

- BackstagePass_68,

Summary by start number:

Start 4:

- Found in 7 of 8 (87.5%) of genes in pham
- Manual Annotations of this start: 5 of 5
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BBQValindra_63 (DB), GEazy_69 (DB), HannahD_66 (DB), MagicMan_66 (DB), Opie_69 (DB), TaronosaurusRx_73 (DB), ZAYM_72 (DB),

Start 5:

- Found in 1 of 8 (12.5%) of genes in pham
- No Manual Annotations of this start.

- Called 100.0% of time when present
- Phage (with cluster) where this start called: BackstagePass_68 (DB),

Summary by clusters:

There is one cluster represented in this pham: DB

Info for manual annotations of cluster DB:

- Start number 4 was manually annotated 5 times for cluster DB.

Gene Information:

Gene: BBQValindra_63 Start: 44629, Stop: 44847, Start Num: 4

Candidate Starts for BBQValindra_63:

(Start: 4 @44629 has 5 MA's), (6, 44665), (10, 44737),

Gene: BackstagePass_68 Start: 43773, Stop: 43994, Start Num: 5

Candidate Starts for BackstagePass_68:

(1, 43602), (2, 43623), (3, 43698), (5, 43773),

Gene: GEazy_69 Start: 44233, Stop: 44469, Start Num: 4

Candidate Starts for GEazy_69:

(Start: 4 @44233 has 5 MA's), (7, 44278),

Gene: HannahD_66 Start: 43600, Stop: 43836, Start Num: 4

Candidate Starts for HannahD_66:

(Start: 4 @43600 has 5 MA's), (7, 43645),

Gene: MagicMan_66 Start: 45103, Stop: 45336, Start Num: 4

Candidate Starts for MagicMan_66:

(Start: 4 @45103 has 5 MA's), (9, 45169),

Gene: Opie_69 Start: 45224, Stop: 45460, Start Num: 4

Candidate Starts for Opie_69:

(Start: 4 @45224 has 5 MA's), (7, 45269),

Gene: TaronosaurusRx_73 Start: 44694, Stop: 44930, Start Num: 4

Candidate Starts for TaronosaurusRx_73:

(Start: 4 @44694 has 5 MA's), (8, 44757), (10, 44808),

Gene: ZAYM_72 Start: 44632, Stop: 44868, Start Num: 4

Candidate Starts for ZAYM_72:

(Start: 4 @44632 has 5 MA's), (8, 44695), (10, 44746),