



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 220405 Report

This analysis was run 03/28/25 on database version 593.

Pham number 220405 has 8 members, 1 are drafts.

Phages represented in each track:

- Track 1 : BBQValindra_38
- Track 2 : Eyes_37
- Track 3 : Schnabeltier_39, MagicMan_39
- Track 4 : GEazy_43, HannahD_41
- Track 5 : BackstagePass_46
- Track 6 : Kiko_40

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 7 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- BBQValindra_38, Eyes_37, GEazy_43, HannahD_41, Kiko_40, MagicMan_39, Schnabeltier_39,

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

- BackstagePass_46,

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

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Summary by start number:

Start 2:

- Found in 8 of 8 (100.0%) of genes in pham
- Manual Annotations of this start: 7 of 7
- Called 87.5% of time when present
- Phage (with cluster) where this start called: BBQValindra_38 (DB), Eyes_37 (DB), GEazy_43 (DB), HannahD_41 (DB), Kiko_40 (DB), MagicMan_39 (DB), Schnabeltier_39 (DB),

Start 5:

- Found in 8 of 8 (100.0%) of genes in pham

- No Manual Annotations of this start.
- Called 12.5% of time when present
- Phage (with cluster) where this start called: BackstagePass_46 (DB),

Summary by clusters:

There is one cluster represented in this pham: DB

Info for manual annotations of cluster DB:

- Start number 2 was manually annotated 7 times for cluster DB.

Gene Information:

Gene: BBQValindra_38 Start: 32488, Stop: 32183, Start Num: 2

Candidate Starts for BBQValindra_38:

(Start: 2 @32488 has 7 MA's), (5, 32443), (6, 32401), (11, 32230),

Gene: BackstagePass_46 Start: 32899, Stop: 32639, Start Num: 5

Candidate Starts for BackstagePass_46:

(1, 33034), (Start: 2 @32950 has 7 MA's), (5, 32899), (6, 32857), (10, 32725),

Gene: Eyes_37 Start: 31916, Stop: 31605, Start Num: 2

Candidate Starts for Eyes_37:

(Start: 2 @31916 has 7 MA's), (4, 31886), (5, 31865), (7, 31802),

Gene: GEazy_43 Start: 32099, Stop: 31788, Start Num: 2

Candidate Starts for GEazy_43:

(Start: 2 @32099 has 7 MA's), (5, 32048), (6, 32006), (9, 31901),

Gene: HannahD_41 Start: 31466, Stop: 31155, Start Num: 2

Candidate Starts for HannahD_41:

(Start: 2 @31466 has 7 MA's), (5, 31415), (6, 31373), (9, 31268),

Gene: Kiko_40 Start: 31778, Stop: 31443, Start Num: 2

Candidate Starts for Kiko_40:

(Start: 2 @31778 has 7 MA's), (5, 31733), (6, 31691), (12, 31457),

Gene: MagicMan_39 Start: 32463, Stop: 32152, Start Num: 2

Candidate Starts for MagicMan_39:

(Start: 2 @32463 has 7 MA's), (3, 32439), (4, 32433), (5, 32412), (6, 32370), (8, 32292),

Gene: Schnabeltier_39 Start: 32095, Stop: 31784, Start Num: 2

Candidate Starts for Schnabeltier_39:

(Start: 2 @32095 has 7 MA's), (3, 32071), (4, 32065), (5, 32044), (6, 32002), (8, 31924),