



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 295228 Report

This analysis was run 04/18/26 on database version 643.

Pham number 295228 has 13 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Wipeout_252, PumpkinSpice_263
- Track 2 : Spelly_265, KentuckyRacer_267, Starbow_257, JimJam_268, CeilingFan_266, Spilled_268
- Track 3 : Rikishi_261, Gibbi_270, AcciDwight_269
- Track 4 : TomSawyer_265
- Track 5 : Omega_199

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 10 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- AcciDwight_269, CeilingFan_266, Gibbi_270, JimJam_268, KentuckyRacer_267, PumpkinSpice_263, Rikishi_261, Spelly_265, Spilled_268, Starbow_257, TomSawyer_265, Wipeout_252,

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

-

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

- Omega_199,

Summary by start number:

Start 1:

- Found in 1 of 13 (7.7%) of genes in pham
- Manual Annotations of this start: 1 of 11
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Omega_199 (J),

Start 2:

- Found in 12 of 13 (92.3%) of genes in pham
- Manual Annotations of this start: 10 of 11

- Called 100.0% of time when present
- Phage (with cluster) where this start called: AcciDwight_269 (BE2), CeilingFan_266 (BE2), Gibbi_270 (BE2), JimJam_268 (BE2), KentuckyRacer_267 (BE2), PumpkinSpice_263 (BE2), Rikishi_261 (BE2), Spelly_265 (BE2), Spilled_268 (BE2), Starbow_257 (BE2), TomSawyer_265 (BE2), Wipeout_252 (BE2),

Summary by clusters:

There are 2 clusters represented in this pham: BE2, J,

Info for manual annotations of cluster BE2:

- Start number 2 was manually annotated 10 times for cluster BE2.

Info for manual annotations of cluster J:

- Start number 1 was manually annotated 1 time for cluster J.

Gene Information:

Gene: AcciDwight_269 Start: 119645, Stop: 119103, Start Num: 2

Candidate Starts for AcciDwight_269:

(Start: 2 @119645 has 10 MA's), (3, 119522), (4, 119444), (6, 119342), (8, 119291), (9, 119288), (11, 119159),

Gene: CeilingFan_266 Start: 120156, Stop: 119614, Start Num: 2

Candidate Starts for CeilingFan_266:

(Start: 2 @120156 has 10 MA's), (3, 120033), (4, 119955), (6, 119853), (8, 119802), (9, 119799), (11, 119670), (13, 119625),

Gene: Gibbi_270 Start: 119649, Stop: 119107, Start Num: 2

Candidate Starts for Gibbi_270:

(Start: 2 @119649 has 10 MA's), (3, 119526), (4, 119448), (6, 119346), (8, 119295), (9, 119292), (11, 119163),

Gene: JimJam_268 Start: 121085, Stop: 120543, Start Num: 2

Candidate Starts for JimJam_268:

(Start: 2 @121085 has 10 MA's), (3, 120962), (4, 120884), (6, 120782), (8, 120731), (9, 120728), (11, 120599), (13, 120554),

Gene: KentuckyRacer_267 Start: 121000, Stop: 120458, Start Num: 2

Candidate Starts for KentuckyRacer_267:

(Start: 2 @121000 has 10 MA's), (3, 120877), (4, 120799), (6, 120697), (8, 120646), (9, 120643), (11, 120514), (13, 120469),

Gene: Omega_199 Start: 97671, Stop: 98360, Start Num: 1

Candidate Starts for Omega_199:

(Start: 1 @97671 has 1 MA's), (4, 97917), (7, 98058), (10, 98217), (12, 98226),

Gene: PumpkinSpice_263 Start: 119441, Stop: 118899, Start Num: 2

Candidate Starts for PumpkinSpice_263:

(Start: 2 @119441 has 10 MA's), (3, 119318), (5, 119231), (6, 119138), (8, 119087), (9, 119084), (11, 118955),

Gene: Rikishi_261 Start: 119623, Stop: 119081, Start Num: 2

Candidate Starts for Rikishi_261:

(Start: 2 @119623 has 10 MA's), (3, 119500), (4, 119422), (6, 119320), (8, 119269), (9, 119266), (11, 119137),

Gene: Spelly_265 Start: 118353, Stop: 117811, Start Num: 2

Candidate Starts for Spelly_265:

(Start: 2 @118353 has 10 MA's), (3, 118230), (4, 118152), (6, 118050), (8, 117999), (9, 117996), (11, 117867), (13, 117822),

Gene: Spilled_268 Start: 120017, Stop: 119475, Start Num: 2

Candidate Starts for Spilled_268:

(Start: 2 @120017 has 10 MA's), (3, 119894), (4, 119816), (6, 119714), (8, 119663), (9, 119660), (11, 119531), (13, 119486),

Gene: Starbow_257 Start: 118397, Stop: 117855, Start Num: 2

Candidate Starts for Starbow_257:

(Start: 2 @118397 has 10 MA's), (3, 118274), (4, 118196), (6, 118094), (8, 118043), (9, 118040), (11, 117911), (13, 117866),

Gene: TomSawyer_265 Start: 121328, Stop: 120786, Start Num: 2

Candidate Starts for TomSawyer_265:

(Start: 2 @121328 has 10 MA's), (4, 121127), (6, 121025), (8, 120974), (9, 120971), (11, 120842), (13, 120797),

Gene: Wipeout_252 Start: 120280, Stop: 119738, Start Num: 2

Candidate Starts for Wipeout_252:

(Start: 2 @120280 has 10 MA's), (3, 120157), (5, 120070), (6, 119977), (8, 119926), (9, 119923), (11, 119794),