



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 297014 Report

This analysis was run 04/25/26 on database version 644.

Pham number 297014 has 18 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Marsus_156
- Track 2 : Bmoc_160
- Track 3 : Brizzy_164, Spilled_171
- Track 4 : JimJam_172, CeilingFan_168, KentuckyRacer_170, IchabodCrane_161, MindFlayer_161, Rikishi_167, Wipeout_160, Spelly_169, TomSawyer_169, Amabiko_167
- Track 5 : Wofford_162
- Track 6 : Elmer_171
- Track 7 : Karp_231
- Track 8 : Phredrick_239

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 17 of the 18 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Amabiko_167, Bmoc_160, Brizzy_164, CeilingFan_168, Elmer_171, IchabodCrane_161, JimJam_172, Karp_231, KentuckyRacer_170, Marsus_156, MindFlayer_161, Phredrick_239, Rikishi_167, Spelly_169, Spilled_171, TomSawyer_169, Wipeout_160,

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:

- Wofford_162,

Summary by start number:

Start 3:

- Found in 17 of 18 (94.4%) of genes in pham
- Manual Annotations of this start: 17 of 18
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Amabiko_167 (BE2), Bmoc_160 (BE1), Brizzy_164 (BE2), CeilingFan_168 (BE2), Elmer_171 (BE2), IchabodCrane_161 (BE2), JimJam_172 (BE2), Karp_231 (BK1), KentuckyRacer_170 (BE2), Marsus_156 (BE1), MindFlayer_161 (BE2), Phredrick_239 (BK1), Rikishi_167 (BE2), Spelly_169 (BE2), Spilled_171 (BE2), TomSawyer_169 (BE2), Wipeout_160 (BE2),

Start 4:

- Found in 1 of 18 (5.6%) of genes in pham
- Manual Annotations of this start: 1 of 18
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Wofford_162 (BE2),

Summary by clusters:

There are 3 clusters represented in this pham: BE2, BE1, BK1,

Info for manual annotations of cluster BE1:

- Start number 3 was manually annotated 2 times for cluster BE1.

Info for manual annotations of cluster BE2:

- Start number 3 was manually annotated 13 times for cluster BE2.
- Start number 4 was manually annotated 1 time for cluster BE2.

Info for manual annotations of cluster BK1:

- Start number 3 was manually annotated 2 times for cluster BK1.

Gene Information:

Gene: Amabiko_167 Start: 91184, Stop: 91336, Start Num: 3

Candidate Starts for Amabiko_167:

(Start: 3 @91184 has 17 MA's), (7, 91238), (9, 91292), (10, 91322),

Gene: Bmoc_160 Start: 90526, Stop: 90681, Start Num: 3

Candidate Starts for Bmoc_160:

(Start: 3 @90526 has 17 MA's),

Gene: Brizzy_164 Start: 91440, Stop: 91595, Start Num: 3

Candidate Starts for Brizzy_164:

(Start: 3 @91440 has 17 MA's), (9, 91548),

Gene: CeilingFan_168 Start: 91693, Stop: 91845, Start Num: 3

Candidate Starts for CeilingFan_168:

(Start: 3 @91693 has 17 MA's), (7, 91747), (9, 91801), (10, 91831),

Gene: Elmer_171 Start: 94744, Stop: 94899, Start Num: 3

Candidate Starts for Elmer_171:

(1, 94666), (2, 94711), (Start: 3 @94744 has 17 MA's), (6, 94756),

Gene: IchabodCrane_161 Start: 90885, Stop: 91037, Start Num: 3

Candidate Starts for IchabodCrane_161:

(Start: 3 @90885 has 17 MA's), (7, 90939), (9, 90993), (10, 91023),

Gene: JimJam_172 Start: 92989, Stop: 93141, Start Num: 3
Candidate Starts for JimJam_172:
(Start: 3 @92989 has 17 MA's), (7, 93043), (9, 93097), (10, 93127),

Gene: Karp_231 Start: 114793, Stop: 114945, Start Num: 3
Candidate Starts for Karp_231:
(Start: 3 @114793 has 17 MA's), (5, 114799), (8, 114892), (10, 114931),

Gene: KentuckyRacer_170 Start: 92538, Stop: 92690, Start Num: 3
Candidate Starts for KentuckyRacer_170:
(Start: 3 @92538 has 17 MA's), (7, 92592), (9, 92646), (10, 92676),

Gene: Marsus_156 Start: 90404, Stop: 90559, Start Num: 3
Candidate Starts for Marsus_156:
(Start: 3 @90404 has 17 MA's), (10, 90545),

Gene: MindFlayer_161 Start: 90792, Stop: 90944, Start Num: 3
Candidate Starts for MindFlayer_161:
(Start: 3 @90792 has 17 MA's), (7, 90846), (9, 90900), (10, 90930),

Gene: Phredrick_239 Start: 112811, Stop: 112963, Start Num: 3
Candidate Starts for Phredrick_239:
(Start: 3 @112811 has 17 MA's), (8, 112910),

Gene: Rikishi_167 Start: 91551, Stop: 91703, Start Num: 3
Candidate Starts for Rikishi_167:
(Start: 3 @91551 has 17 MA's), (7, 91605), (9, 91659), (10, 91689),

Gene: Spelly_169 Start: 91108, Stop: 91260, Start Num: 3
Candidate Starts for Spelly_169:
(Start: 3 @91108 has 17 MA's), (7, 91162), (9, 91216), (10, 91246),

Gene: Spilled_171 Start: 91721, Stop: 91876, Start Num: 3
Candidate Starts for Spilled_171:
(Start: 3 @91721 has 17 MA's), (9, 91829),

Gene: TomSawyer_169 Start: 92657, Stop: 92809, Start Num: 3
Candidate Starts for TomSawyer_169:
(Start: 3 @92657 has 17 MA's), (7, 92711), (9, 92765), (10, 92795),

Gene: Wipeout_160 Start: 91987, Stop: 92139, Start Num: 3
Candidate Starts for Wipeout_160:
(Start: 3 @91987 has 17 MA's), (7, 92041), (9, 92095), (10, 92125),

Gene: Wofford_162 Start: 93905, Stop: 94060, Start Num: 4
Candidate Starts for Wofford_162:
(Start: 4 @93905 has 1 MA's), (6, 93917),