Pham 216745

2
4
5
9
1: Sham_225
1
7
8
2: Stigma_232
3
10
3: SeresaTree_236
1
4: Belfort_234 + 2
1
5: Westy_235 + 1
2
4
5
6: TunaTartare_233
2
6
7
8
7: Moab_236 + 1

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 216745 Report

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

Pham number 216745 has 11 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Sham_225
• Track 2 : Stigma_232
• Track 3 : SeresaTree_236
• Track 4 : Belfort_234, Karp_230, SparkleGoddess_234
• Track 5 : Westy_235, Comrade_231
• Track 6 : TunaTartare_233
• Track 7 : Moab_236, Patelgo_237

Summary of Final Annotations (See graph section above for start numbers):

The start number called the most often in the published annotations is 1, it was called in 5 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Belfort_234, Comrade_231, Karp_230, SparkleGoddess_234, Stigma_232, Westy_235,

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:
• Moab_236, Patelgo_237, SeresaTree_236, Sham_225, TunaTartare_233,

Summary by start number:

Start 1:
• Found in 6 of 11 (54.5%) of genes in pham
• Manual Annotations of this start: 5 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Belfort_234 (BK1), Comrade_231 (BK1), Karp_230 (BK1), SparkleGoddess_234 (BK1), Stigma_232 (BK1), Westy_235 (BK1),

Start 2:
• Found in 4 of 11 (36.4%) of genes in pham

• Manual Annotations of this start: 4 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Moab_236 (BK1), Patelgo_237 (BK1), Sham_225 (BK1), TunaTartare_233 (BK1),

Start 3:
• Found in 1 of 11 (9.1%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: SeresaTree_236 (BK1),

Summary by clusters:

There is one cluster represented in this pham: BK1

Info for manual annotations of cluster BK1:
•Start number 1 was manually annotated 5 times for cluster BK1.
•Start number 2 was manually annotated 4 times for cluster BK1.

Gene Information:

Gene: Belfort_234 Start: 114090, Stop: 114260, Start Num: 1
Candidate Starts for Belfort_234:
(Start: 1 @114090 has 5 MA's),

Gene: Comrade_231 Start: 114286, Stop: 114456, Start Num: 1
Candidate Starts for Comrade_231:
(Start: 1 @114286 has 5 MA's),

Gene: Karp_230 Start: 114456, Stop: 114626, Start Num: 1
Candidate Starts for Karp_230:
(Start: 1 @114456 has 5 MA's),

Gene: Moab_236 Start: 115376, Stop: 115546, Start Num: 2
Candidate Starts for Moab_236:
(Start: 2 @115376 has 4 MA's), (6, 115439), (7, 115505), (8, 115508),

Gene: Patelgo_237 Start: 115790, Stop: 115960, Start Num: 2
Candidate Starts for Patelgo_237:
(Start: 2 @115790 has 4 MA's), (6, 115853), (7, 115919), (8, 115922),

Gene: SeresaTree_236 Start: 114609, Stop: 114776, Start Num: 3
Candidate Starts for SeresaTree_236:
(3, 114609), (10, 114762),

Gene: Sham_225 Start: 114896, Stop: 115066, Start Num: 2
Candidate Starts for Sham_225:
(Start: 2 @114896 has 4 MA's), (4, 114926), (5, 114956), (9, 115046),

Gene: SparkleGoddess_234 Start: 114515, Stop: 114685, Start Num: 1
Candidate Starts for SparkleGoddess_234:

(Start: 1 @114515 has 5 MA's),

Gene: Stigma_232 Start: 114480, Stop: 114650, Start Num: 1
Candidate Starts for Stigma_232:
(Start: 1 @114480 has 5 MA's), (7, 114609), (8, 114612),

Gene: TunaTartare_233 Start: 117221, Stop: 117391, Start Num: 2
Candidate Starts for TunaTartare_233:
(Start: 2 @117221 has 4 MA's), (4, 117251), (5, 117281),

Gene: Westy_235 Start: 115269, Stop: 115439, Start Num: 1
Candidate Starts for Westy_235:
(Start: 1 @115269 has 5 MA's),