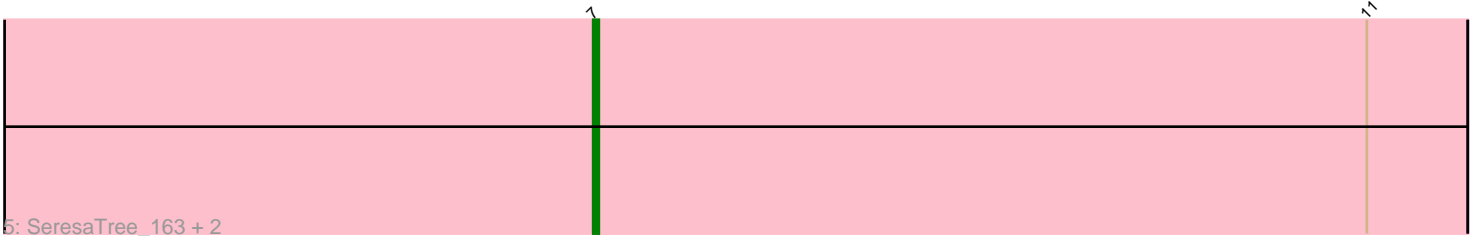
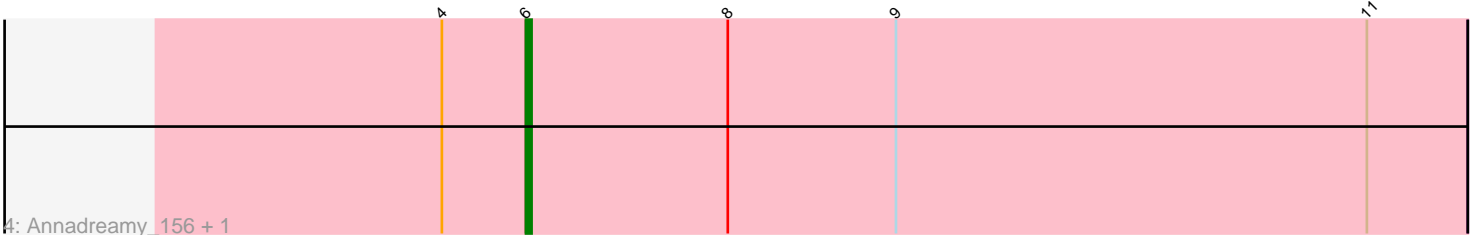


Pham 106736



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 106736 Report

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

Pham number 106736 has 13 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Beuffert_161
- Track 2 : TunaTartare_167
- Track 3 : Belfort_168, Karp_162, Stigma_166, SparkleGoddess_168, Comrade_165
- Track 4 : Annadreamy_156, Limpid_163
- Track 5 : SeresaTree_163, Sham_161, Faust_161
- Track 6 : Blueeyedbeauty_164

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

The start number called the most often in the published annotations is 6, it was called in 9 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Annadreamy_156, Belfort_168, Beuffert_161, Blueeyedbeauty_164, Comrade_165, Karp_162, Limpid_163, SparkleGoddess_168, Stigma_166,

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

-

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

- Faust_161, SeresaTree_163, Sham_161, TunaTartare_167,

Summary by start number:

Start 6:

- Found in 9 of 13 (69.2%) of genes in pham
- Manual Annotations of this start: 9 of 12
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Annadreamy_156 (BK1), Belfort_168 (BK1), Beuffert_161 (BK1), Blueeyedbeauty_164 (BK1), Comrade_165 (BK1), Karp_162 (BK1), Limpid_163 (BK1), SparkleGoddess_168 (BK1), Stigma_166 (BK1),

Start 7:

- Found in 4 of 13 (30.8%) of genes in pham

- Manual Annotations of this start: 3 of 12
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Faust_161 (BK1), SeresaTree_163 (BK1), Sham_161 (BK1), TunaTartare_167 (BK1),

Summary by clusters:

There is one cluster represented in this pham: BK1

Info for manual annotations of cluster BK1:

- Start number 6 was manually annotated 9 times for cluster BK1.
- Start number 7 was manually annotated 3 times for cluster BK1.

Gene Information:

Gene: Annadreamy_156 Start: 86237, Stop: 86404, Start Num: 6
 Candidate Starts for Annadreamy_156:
 (4, 86222), (Start: 6 @86237 has 9 MA's), (8, 86273), (9, 86303), (11, 86387),

Gene: Belfort_168 Start: 92061, Stop: 92228, Start Num: 6
 Candidate Starts for Belfort_168:
 (Start: 6 @92061 has 9 MA's), (11, 92211),

Gene: Beuffert_161 Start: 90114, Stop: 90281, Start Num: 6
 Candidate Starts for Beuffert_161:
 (1, 90042), (2, 90051), (3, 90057), (5, 90111), (Start: 6 @90114 has 9 MA's), (11, 90264),

Gene: Blueeyedbeauty_164 Start: 90006, Stop: 90170, Start Num: 6
 Candidate Starts for Blueeyedbeauty_164:
 (Start: 6 @90006 has 9 MA's), (11, 90153),

Gene: Comrade_165 Start: 92263, Stop: 92430, Start Num: 6
 Candidate Starts for Comrade_165:
 (Start: 6 @92263 has 9 MA's), (11, 92413),

Gene: Faust_161 Start: 91423, Stop: 91578, Start Num: 7
 Candidate Starts for Faust_161:
 (Start: 7 @91423 has 3 MA's), (11, 91561),

Gene: Karp_162 Start: 91487, Stop: 91654, Start Num: 6
 Candidate Starts for Karp_162:
 (Start: 6 @91487 has 9 MA's), (11, 91637),

Gene: Limpid_163 Start: 91550, Stop: 91717, Start Num: 6
 Candidate Starts for Limpid_163:
 (4, 91535), (Start: 6 @91550 has 9 MA's), (8, 91586), (9, 91616), (11, 91700),

Gene: SeresaTree_163 Start: 90805, Stop: 90960, Start Num: 7
 Candidate Starts for SeresaTree_163:
 (Start: 7 @90805 has 3 MA's), (11, 90943),

Gene: Sham_161 Start: 92402, Stop: 92557, Start Num: 7
Candidate Starts for Sham_161:
(Start: 7 @92402 has 3 MA's), (11, 92540),

Gene: SparkleGoddess_168 Start: 92471, Stop: 92638, Start Num: 6
Candidate Starts for SparkleGoddess_168:
(Start: 6 @92471 has 9 MA's), (11, 92621),

Gene: Stigma_166 Start: 92708, Stop: 92875, Start Num: 6
Candidate Starts for Stigma_166:
(Start: 6 @92708 has 9 MA's), (11, 92858),

Gene: TunaTartare_167 Start: 93654, Stop: 93809, Start Num: 7
Candidate Starts for TunaTartare_167:
(Start: 7 @93654 has 3 MA's), (10, 93717), (11, 93792),