Pham 87034

1: Hager_56

2: Anakin_55 + 1

3: Karate_54 + 7

4: Tedro_55 + 1

5: Aesir_54 + 3

6: MortySmith_53

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 87034 Report

This analysis was run 04/05/24 on database version 557.

Pham number 87034 has 18 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Hager_56
• Track 2 : Anakin_55, NarutoRun_55
• Track 3 : Karate_54, Krampus_55, AnnaSerena_55, PhunaPhoke_55, Cybele_55, Neptune_55, Rachella_55, Gilda_55
• Track 4 : Tedro_55, Haunter_55
• Track 5 : Aesir_54, JDawG_54, Erudite_54, Dauntless_55
• Track 6 : MortySmith_53

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

The start number called the most often in the published annotations is 4, it was called in 17 of the 17 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Aesir_54, Anakin_55, AnnaSerena_55, Cybele_55, Dauntless_55, Erudite_54, Gilda_55, Hager_56, Haunter_55, JDawG_54, Karate_54, Krampus_55, MortySmith_53, NarutoRun_55, Neptune_55, PhunaPhoke_55, Rachella_55, Tedro_55,

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

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

Summary by start number:

Start 4:
• Found in 18 of 18 (100.0%) of genes in pham
• Manual Annotations of this start: 17 of 17
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Aesir_54 (EF), Anakin_55 (EF), AnnaSerena_55 (EF), Cybele_55 (EF), Dauntless_55 (EF), Erudite_54 (EF), Gilda_55 (EF), Hager_56 (EF), Haunter_55 (EF), JDawG_54 (EF), Karate_54 (EF),

Krampus_55 (EF), MortySmith_53 (EF), NarutoRun_55 (EF), Neptune_55 (EF), PhunaPhoke_55 (EF), Rachella_55 (EF), Tedro_55 (EF),

Summary by clusters:

There is one cluster represented in this pham: EF

Info for manual annotations of cluster EF:
•Start number 4 was manually annotated 17 times for cluster EF.

Gene Information:
Gene: Aesir_54 Start: 39627, Stop: 39854, Start Num: 4
Candidate Starts for Aesir_54:
(Start: 4 @39627 has 17 MA's), (5, 39717), (6, 39753),

Gene: Anakin_55 Start: 39968, Stop: 40189, Start Num: 4
Candidate Starts for Anakin_55:
(Start: 4 @39968 has 17 MA's), (7, 40163),

Gene: AnnaSerena_55 Start: 40002, Stop: 40223, Start Num: 4
Candidate Starts for AnnaSerena_55:
(Start: 4 @40002 has 17 MA's), (7, 40197),

Gene: Cybele_55 Start: 39986, Stop: 40207, Start Num: 4
Candidate Starts for Cybele_55:
(Start: 4 @39986 has 17 MA's), (7, 40181),

Gene: Dauntless_55 Start: 39562, Stop: 39789, Start Num: 4
Candidate Starts for Dauntless_55:
(Start: 4 @39562 has 17 MA's), (5, 39652), (6, 39688),

Gene: Erudite_54 Start: 39562, Stop: 39789, Start Num: 4
Candidate Starts for Erudite_54:
(Start: 4 @39562 has 17 MA's), (5, 39652), (6, 39688),

Gene: Gilda_55 Start: 39989, Stop: 40210, Start Num: 4
Candidate Starts for Gilda_55:
(Start: 4 @39989 has 17 MA's), (7, 40184),

Gene: Hager_56 Start: 39384, Stop: 39602, Start Num: 4
Candidate Starts for Hager_56:
(1, 39141), (2, 39222), (3, 39225), (Start: 4 @39384 has 17 MA's), (6, 39510), (7, 39579), (8, 39582),

Gene: Haunter_55 Start: 39200, Stop: 39427, Start Num: 4
Candidate Starts for Haunter_55:
(Start: 4 @39200 has 17 MA's),

Gene: JDawG_54 Start: 39622, Stop: 39849, Start Num: 4
Candidate Starts for JDawG_54:
(Start: 4 @39622 has 17 MA's), (5, 39712), (6, 39748),

Gene: Karate_54 Start: 39806, Stop: 40027, Start Num: 4
Candidate Starts for Karate_54:
(Start: 4 @39806 has 17 MA's), (7, 40001),

Gene: Krampus_55 Start: 40003, Stop: 40224, Start Num: 4
Candidate Starts for Krampus_55:
(Start: 4 @40003 has 17 MA's), (7, 40198),

Gene: MortySmith_53 Start: 39036, Stop: 39263, Start Num: 4
Candidate Starts for MortySmith_53:
(Start: 4 @39036 has 17 MA's), (5, 39126),

Gene: NarutoRun_55 Start: 39968, Stop: 40189, Start Num: 4
Candidate Starts for NarutoRun_55:
(Start: 4 @39968 has 17 MA's), (7, 40163),

Gene: Neptune_55 Start: 39986, Stop: 40207, Start Num: 4
Candidate Starts for Neptune_55:
(Start: 4 @39986 has 17 MA's), (7, 40181),

Gene: PhunaPhoke_55 Start: 39983, Stop: 40204, Start Num: 4
Candidate Starts for PhunaPhoke_55:
(Start: 4 @39983 has 17 MA's), (7, 40178),

Gene: Rachella_55 Start: 39994, Stop: 40215, Start Num: 4
Candidate Starts for Rachella_55:
(Start: 4 @39994 has 17 MA's), (7, 40189),

Gene: Tedro_55 Start: 39418, Stop: 39645, Start Num: 4
Candidate Starts for Tedro_55:
(Start: 4 @39418 has 17 MA's),