Pham 291291

1: MortySmith_42 + 34

2: Hager_45

3: Bramble_47 + 6

4: Tongui_44 + 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 291291 Report

This analysis was run 03/28/26 on database version 641.

Pham number 291291 has 45 members, 4 are drafts.

Phages represented in each track:
• Track 1 : MortySmith_42, Karate_43, Pharpay_44, Krampus_44, OhDear_44, Aesir_43, Annapurna_44, Anakin_44, Hiddenleaf_44, Chivey_44, Potty_44, CoolCookie_44, DannyDe_44, JDawG_43, FountainFog_43, Crestdrop_44, Rachella_44, Poultress_43, FreddieHg_44, Erudite_43, Haunter_44, Dauntless_43, Neptune_44, NarutoRun_44, JingleBells_44, PhunaPhoke_44, Tedro_44, Cybele_44, OverHedge_44, Snakehole_44, Kate_45, Artiphact_44, AnnaSerena_44, SilentWarrior_44, Gilda_44
• Track 2 : Hager_45
• Track 3 : Bramble_47, TinyMiny_47, RikSengupta_47, Sparcetus_47, Ajin_47, LordBart_47, Kors_47
• Track 4 : Tongui_44, Rie18_44

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 41 of the 41 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Aesir_43, Ajin_47, Anakin_44, AnnaSerena_44, Annapurna_44, Artiphact_44, Bramble_47, Chivey_44, CoolCookie_44, Crestdrop_44, Cybele_44, DannyDe_44, Dauntless_43, Erudite_43, FountainFog_43, FreddieHg_44, Gilda_44, Hager_45, Haunter_44, Hiddenleaf_44, JDawG_43, JingleBells_44, Karate_43, Kate_45, Kors_47, Krampus_44, LordBart_47, MortySmith_42, NarutoRun_44, Neptune_44, OhDear_44, OverHedge_44, Pharpay_44, PhunaPhoke_44, Potty_44, Poultress_43, Rachella_44, Rie18_44, RikSengupta_47, SilentWarrior_44, Snakehole_44, Sparcetus_47, Tedro_44, TinyMiny_47, Tongui_44,

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 45 of 45 (100.0%) of genes in pham
• Manual Annotations of this start: 41 of 41
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Aesir_43 (EF), Ajin_47 (EF), Anakin_44 (EF), AnnaSerena_44 (EF), Annapurna_44 (EF), Artiphact_44 (EF), Bramble_47 (EF), Chivey_44 (EF), CoolCookie_44 (EF), Crestdrop_44 (EF), Cybele_44 (EF), DannyDe_44 (EF), Dauntless_43 (EF), Erudite_43 (EF), FountainFog_43 (EF), FreddieHg_44 (EF), Gilda_44 (EF), Hager_45 (EF), Haunter_44 (EF), Hiddenleaf_44 (EF), JDawG_43 (EF), JingleBells_44 (EF), Karate_43 (EF), Kate_45 (EF), Kors_47 (EF), Krampus_44 (EF), LordBart_47 (EF), MortySmith_42 (EF), NarutoRun_44 (EF), Neptune_44 (EF), OhDear_44 (EF), OverHedge_44 (EF), Pharpay_44 (EF), PhunaPhoke_44 (EF), Potty_44 (EF), Poultress_43 (EF), Rachella_44 (EF), Rie18_44 (EF), RikSengupta_47 (EF), SilentWarrior_44 (EF), Snakehole_44 (EF), Sparcetus_47 (EF), Tedro_44 (EF), TinyMiny_47 (EF), Tongui_44 (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 41 times for cluster EF.

Gene Information:

Gene: Aesir_43 Start: 29621, Stop: 29791, Start Num: 4
Candidate Starts for Aesir_43:
(Start: 4 @29621 has 41 MA's), (5, 29693),

Gene: Ajin_47 Start: 30803, Stop: 30967, Start Num: 4
Candidate Starts for Ajin_47:
(Start: 4 @30803 has 41 MA's), (6, 30938),

Gene: Anakin_44 Start: 29974, Stop: 30144, Start Num: 4
Candidate Starts for Anakin_44:
(Start: 4 @29974 has 41 MA's), (5, 30046),

Gene: AnnaSerena_44 Start: 30009, Stop: 30179, Start Num: 4
Candidate Starts for AnnaSerena_44:
(Start: 4 @30009 has 41 MA's), (5, 30081),

Gene: Annapurna_44 Start: 29250, Stop: 29420, Start Num: 4
Candidate Starts for Annapurna_44:
(Start: 4 @29250 has 41 MA's), (5, 29322),

Gene: Artiphact_44 Start: 29998, Stop: 30168, Start Num: 4
Candidate Starts for Artiphact_44:
(Start: 4 @29998 has 41 MA's), (5, 30070),

Gene: Bramble_47 Start: 30852, Stop: 31016, Start Num: 4

Candidate Starts for Bramble_47:
(Start: 4 @30852 has 41 MA's), (6, 30987),

Gene: Chivey_44 Start: 29199, Stop: 29369, Start Num: 4
Candidate Starts for Chivey_44:
(Start: 4 @29199 has 41 MA's), (5, 29271),

Gene: CoolCookie_44 Start: 30004, Stop: 30174, Start Num: 4
Candidate Starts for CoolCookie_44:
(Start: 4 @30004 has 41 MA's), (5, 30076),

Gene: Crestdrop_44 Start: 29230, Stop: 29400, Start Num: 4
Candidate Starts for Crestdrop_44:
(Start: 4 @29230 has 41 MA's), (5, 29302),

Gene: Cybele_44 Start: 29974, Stop: 30144, Start Num: 4
Candidate Starts for Cybele_44:
(Start: 4 @29974 has 41 MA's), (5, 30046),

Gene: DannyDe_44 Start: 29205, Stop: 29375, Start Num: 4
Candidate Starts for DannyDe_44:
(Start: 4 @29205 has 41 MA's), (5, 29277),

Gene: Dauntless_43 Start: 29557, Stop: 29727, Start Num: 4
Candidate Starts for Dauntless_43:
(Start: 4 @29557 has 41 MA's), (5, 29629),

Gene: Erudite_43 Start: 29557, Stop: 29727, Start Num: 4
Candidate Starts for Erudite_43:
(Start: 4 @29557 has 41 MA's), (5, 29629),

Gene: FountainFog_43 Start: 29241, Stop: 29411, Start Num: 4
Candidate Starts for FountainFog_43:
(Start: 4 @29241 has 41 MA's), (5, 29313),

Gene: FreddieHg_44 Start: 29215, Stop: 29385, Start Num: 4
Candidate Starts for FreddieHg_44:
(Start: 4 @29215 has 41 MA's), (5, 29287),

Gene: Gilda_44 Start: 29998, Stop: 30168, Start Num: 4
Candidate Starts for Gilda_44:
(Start: 4 @29998 has 41 MA's), (5, 30070),

Gene: Hager_45 Start: 29423, Stop: 29593, Start Num: 4
Candidate Starts for Hager_45:
(1, 29297), (2, 29300), (3, 29318), (Start: 4 @29423 has 41 MA's), (5, 29495),

Gene: Haunter_44 Start: 29381, Stop: 29551, Start Num: 4
Candidate Starts for Haunter_44:
(Start: 4 @29381 has 41 MA's), (5, 29453),

Gene: Hiddenleaf_44 Start: 29199, Stop: 29369, Start Num: 4
Candidate Starts for Hiddenleaf_44:

(Start: 4 @29199 has 41 MA's), (5, 29271),

Gene: JDawG_43 Start: 29616, Stop: 29786, Start Num: 4
Candidate Starts for JDawG_43:
(Start: 4 @29616 has 41 MA's), (5, 29688),

Gene: JingleBells_44 Start: 29350, Stop: 29520, Start Num: 4
Candidate Starts for JingleBells_44:
(Start: 4 @29350 has 41 MA's), (5, 29422),

Gene: Karate_43 Start: 29999, Stop: 30169, Start Num: 4
Candidate Starts for Karate_43:
(Start: 4 @29999 has 41 MA's), (5, 30071),

Gene: Kate_45 Start: 30006, Stop: 30176, Start Num: 4
Candidate Starts for Kate_45:
(Start: 4 @30006 has 41 MA's), (5, 30078),

Gene: Kors_47 Start: 30880, Stop: 31044, Start Num: 4
Candidate Starts for Kors_47:
(Start: 4 @30880 has 41 MA's), (6, 31015),

Gene: Krampus_44 Start: 30006, Stop: 30176, Start Num: 4
Candidate Starts for Krampus_44:
(Start: 4 @30006 has 41 MA's), (5, 30078),

Gene: LordBart_47 Start: 30789, Stop: 30953, Start Num: 4
Candidate Starts for LordBart_47:
(Start: 4 @30789 has 41 MA's), (6, 30924),

Gene: MortySmith_42 Start: 29034, Stop: 29204, Start Num: 4
Candidate Starts for MortySmith_42:
(Start: 4 @29034 has 41 MA's), (5, 29106),

Gene: NarutoRun_44 Start: 29974, Stop: 30144, Start Num: 4
Candidate Starts for NarutoRun_44:
(Start: 4 @29974 has 41 MA's), (5, 30046),

Gene: Neptune_44 Start: 29974, Stop: 30144, Start Num: 4
Candidate Starts for Neptune_44:
(Start: 4 @29974 has 41 MA's), (5, 30046),

Gene: OhDear_44 Start: 29972, Stop: 30142, Start Num: 4
Candidate Starts for OhDear_44:
(Start: 4 @29972 has 41 MA's), (5, 30044),

Gene: OverHedge_44 Start: 29964, Stop: 30134, Start Num: 4
Candidate Starts for OverHedge_44:
(Start: 4 @29964 has 41 MA's), (5, 30036),

Gene: Pharpay_44 Start: 30019, Stop: 30189, Start Num: 4
Candidate Starts for Pharpay_44:
(Start: 4 @30019 has 41 MA's), (5, 30091),

Gene: PhunaPhoke_44 Start: 29992, Stop: 30162, Start Num: 4
Candidate Starts for PhunaPhoke_44:
(Start: 4 @29992 has 41 MA's), (5, 30064),

Gene: Potty_44 Start: 29997, Stop: 30167, Start Num: 4
Candidate Starts for Potty_44:
(Start: 4 @29997 has 41 MA's), (5, 30069),

Gene: Poultress_43 Start: 30312, Stop: 30482, Start Num: 4
Candidate Starts for Poultress_43:
(Start: 4 @30312 has 41 MA's), (5, 30384),

Gene: Rachella_44 Start: 30000, Stop: 30170, Start Num: 4
Candidate Starts for Rachella_44:
(Start: 4 @30000 has 41 MA's), (5, 30072),

Gene: Rie18_44 Start: 29497, Stop: 29667, Start Num: 4
Candidate Starts for Rie18_44:
(1, 29371), (2, 29374), (3, 29392), (Start: 4 @29497 has 41 MA's), (5, 29569),

Gene: RikSengupta_47 Start: 30917, Stop: 31081, Start Num: 4
Candidate Starts for RikSengupta_47:
(Start: 4 @30917 has 41 MA's), (6, 31052),

Gene: SilentWarrior_44 Start: 29212, Stop: 29382, Start Num: 4
Candidate Starts for SilentWarrior_44:
(Start: 4 @29212 has 41 MA's), (5, 29284),

Gene: Snakehole_44 Start: 29177, Stop: 29347, Start Num: 4
Candidate Starts for Snakehole_44:
(Start: 4 @29177 has 41 MA's), (5, 29249),

Gene: Sparcetus_47 Start: 30794, Stop: 30958, Start Num: 4
Candidate Starts for Sparcetus_47:
(Start: 4 @30794 has 41 MA's), (6, 30929),

Gene: Tedro_44 Start: 29431, Stop: 29601, Start Num: 4
Candidate Starts for Tedro_44:
(Start: 4 @29431 has 41 MA's), (5, 29503),

Gene: TinyMiny_47 Start: 30815, Stop: 30979, Start Num: 4
Candidate Starts for TinyMiny_47:
(Start: 4 @30815 has 41 MA's), (6, 30950),

Gene: Tongui_44 Start: 29551, Stop: 29721, Start Num: 4
Candidate Starts for Tongui_44:
(1, 29425), (2, 29428), (3, 29446), (Start: 4 @29551 has 41 MA's), (5, 29623),