



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 327224 Report

This analysis was run 09/05/26 on database version 662.

Pham number 327224 has 44 members, 12 are drafts.

Phages represented in each track:

- Track 1 : Loadrie_33, Gabriela_33, Sarshaun_33, Underpass_33, Winky_33, Kahlid_33, BigCheese_33, Rumpelstiltskin_33, Hafay_33, BobsGarage_33, Wigglewiggle_33, Itos_33, Breezona_33, ChengKai98_33, DrSeegs_33, Lewan_33, Finemlucis_33, Soap141_33, Molivier_33, Faith1_33, Vetrix_33, Lynnae_33, GuuelaD_33, LilDestine_33, OverPar_33, Gardann_33, Wilder_33, Hiraya_33, MkaliMitinis3_33, Netyap_33, Nicholasp3_33, SoJulia_34, Crossroads_33, Miley16_33
- Track 2 : Claus_33
- Track 3 : Zakai_33, Rossetti_33
- Track 4 : Bazzle_33, Archie_33
- Track 5 : Baoshan_32, DanBing_32, ZhongYanYuan_32
- Track 6 : Tourach_33
- Track 7 : DHan_33

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 32 of the 32 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Archie_33, Baoshan_32, Bazzle_33, BigCheese_33, BobsGarage_33, Breezona_33, ChengKai98_33, Claus_33, Crossroads_33, DHan_33, DanBing_32, DrSeegs_33, Faith1_33, Finemlucis_33, Gabriela_33, Gardann_33, GuuelaD_33, Hafay_33, Hiraya_33, Itos_33, Kahlid_33, Lewan_33, LilDestine_33, Loadrie_33, Lynnae_33, Miley16_33, MkaliMitinis3_33, Molivier_33, Netyap_33, Nicholasp3_33, OverPar_33, Rossetti_33, Rumpelstiltskin_33, Sarshaun_33, SoJulia_34, Soap141_33, Tourach_33, Underpass_33, Vetrix_33, Wigglewiggle_33, Wilder_33, Winky_33, Zakai_33, ZhongYanYuan_32,

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 3:

- Found in 44 of 44 (100.0%) of genes in pham
- Manual Annotations of this start: 32 of 32
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Archie_33 (L2), Baoshan_32 (L2), Bazzle_33 (L2), BigCheese_33 (L2), BobsGarage_33 (L2), Breezona_33 (L2), ChengKai98_33 (L2), Claus_33 (L2), Crossroads_33 (L2), DHan_33 (L2), DanBing_32 (L2), DrSeegs_33 (L2), Faith1_33 (L2), Finemlucis_33 (L2), Gabriela_33 (L2), Gardann_33 (L2), GuuelaD_33 (L2), Hafay_33 (L2), Hiraya_33 (L2), Itos_33 (L2), Kahlid_33 (L2), Lewan_33 (L2), LilDestine_33 (L2), Loadrie_33 (L2), Lynnae_33 (L2), Miley16_33 (L2), MkaliMitinis3_33 (L2), Molivier_33 (L2), Netyap_33 (L2), Nicholasp3_33 (L2), OverPar_33 (L2), Rossetti_33 (L2), Rumpelstiltskin_33 (L2), Sarshaun_33 (L2), SoJulia_34 (L2), Soap141_33 (L2), Tourach_33 (L2), Underpass_33 (L2), Vetrix_33 (L2), Wigglewiggle_33 (L2), Wilder_33 (L2), Winky_33 (L2), Zakai_33 (L2), ZhongYanYuan_32 (L2),

Summary by clusters:

There is one cluster represented in this pham: L2

Info for manual annotations of cluster L2:

- Start number 3 was manually annotated 32 times for cluster L2.

Gene Information:

Gene: Archie_33 Start: 29591, Stop: 29247, Start Num: 3

Candidate Starts for Archie_33:

(Start: 3 @29591 has 32 MA's), (5, 29558), (6, 29555), (7, 29549), (8, 29543), (10, 29531), (13, 29459), (15, 29300), (16, 29297),

Gene: Baoshan_32 Start: 28923, Stop: 28579, Start Num: 3

Candidate Starts for Baoshan_32:

(1, 29085), (2, 29058), (Start: 3 @28923 has 32 MA's), (6, 28887), (9, 28872), (16, 28629),

Gene: Bazzle_33 Start: 29340, Stop: 28996, Start Num: 3

Candidate Starts for Bazzle_33:

(Start: 3 @29340 has 32 MA's), (5, 29307), (6, 29304), (7, 29298), (8, 29292), (10, 29280), (13, 29208), (15, 29049), (16, 29046),

Gene: BigCheese_33 Start: 29102, Stop: 28758, Start Num: 3

Candidate Starts for BigCheese_33:

(1, 29264), (2, 29237), (Start: 3 @29102 has 32 MA's), (4, 29081), (8, 29054), (10, 29042), (15, 28811), (16, 28808),

Gene: BobsGarage_33 Start: 29102, Stop: 28758, Start Num: 3

Candidate Starts for BobsGarage_33:

(1, 29264), (2, 29237), (Start: 3 @29102 has 32 MA's), (4, 29081), (8, 29054), (10, 29042), (15, 28811), (16, 28808),

Gene: Breezona_33 Start: 29102, Stop: 28758, Start Num: 3

Candidate Starts for Breezona_33:

(1, 29264), (2, 29237), (Start: 3 @29102 has 32 MA's), (4, 29081), (8, 29054), (10, 29042), (15, 28811), (16, 28808),

Gene: ChengKai98_33 Start: 29104, Stop: 28760, Start Num: 3

Candidate Starts for ChengKai98_33:

(1, 29266), (2, 29239), (Start: 3 @29104 has 32 MA's), (4, 29083), (8, 29056), (10, 29044), (15, 28813), (16, 28810),

Gene: Claus_33 Start: 29079, Stop: 28735, Start Num: 3

Candidate Starts for Claus_33:

(Start: 3 @29079 has 32 MA's), (6, 29043), (8, 29031), (9, 29028), (12, 28956), (16, 28785),

Gene: Crossroads_33 Start: 29102, Stop: 28758, Start Num: 3

Candidate Starts for Crossroads_33:

(1, 29264), (2, 29237), (Start: 3 @29102 has 32 MA's), (4, 29081), (8, 29054), (10, 29042), (15, 28811), (16, 28808),

Gene: DHan_33 Start: 29015, Stop: 28671, Start Num: 3

Candidate Starts for DHan_33:

(1, 29177), (2, 29150), (Start: 3 @29015 has 32 MA's), (6, 28979), (8, 28967), (9, 28964), (12, 28892), (16, 28721),

Gene: DanBing_32 Start: 28919, Stop: 28575, Start Num: 3

Candidate Starts for DanBing_32:

(1, 29081), (2, 29054), (Start: 3 @28919 has 32 MA's), (6, 28883), (9, 28868), (16, 28625),

Gene: DrSeegs_33 Start: 29102, Stop: 28758, Start Num: 3

Candidate Starts for DrSeegs_33:

(1, 29264), (2, 29237), (Start: 3 @29102 has 32 MA's), (4, 29081), (8, 29054), (10, 29042), (15, 28811), (16, 28808),

Gene: Faith1_33 Start: 29102, Stop: 28758, Start Num: 3

Candidate Starts for Faith1_33:

(1, 29264), (2, 29237), (Start: 3 @29102 has 32 MA's), (4, 29081), (8, 29054), (10, 29042), (15, 28811), (16, 28808),

Gene: Finemlucis_33 Start: 29378, Stop: 29034, Start Num: 3

Candidate Starts for Finemlucis_33:

(1, 29540), (2, 29513), (Start: 3 @29378 has 32 MA's), (4, 29357), (8, 29330), (10, 29318), (15, 29087), (16, 29084),

Gene: Gabriela_33 Start: 29364, Stop: 29020, Start Num: 3

Candidate Starts for Gabriela_33:

(1, 29526), (2, 29499), (Start: 3 @29364 has 32 MA's), (4, 29343), (8, 29316), (10, 29304), (15, 29073), (16, 29070),

Gene: Gardann_33 Start: 29104, Stop: 28760, Start Num: 3

Candidate Starts for Gardann_33:

(1, 29266), (2, 29239), (Start: 3 @29104 has 32 MA's), (4, 29083), (8, 29056), (10, 29044), (15, 28813), (16, 28810),

Gene: GuuelaD_33 Start: 29136, Stop: 28792, Start Num: 3

Candidate Starts for GuuelaD_33:

(1, 29298), (2, 29271), (Start: 3 @29136 has 32 MA's), (4, 29115), (8, 29088), (10, 29076), (15, 28845), (16, 28842),

Gene: Hafay_33 Start: 29135, Stop: 28791, Start Num: 3

Candidate Starts for Hafay_33:

(1, 29297), (2, 29270), (Start: 3 @29135 has 32 MA's), (4, 29114), (8, 29087), (10, 29075), (15, 28844), (16, 28841),

Gene: Hiraya_33 Start: 29102, Stop: 28758, Start Num: 3

Candidate Starts for Hiraya_33:

(1, 29264), (2, 29237), (Start: 3 @29102 has 32 MA's), (4, 29081), (8, 29054), (10, 29042), (15, 28811), (16, 28808),

Gene: Itos_33 Start: 29102, Stop: 28758, Start Num: 3

Candidate Starts for Itos_33:

(1, 29264), (2, 29237), (Start: 3 @29102 has 32 MA's), (4, 29081), (8, 29054), (10, 29042), (15, 28811), (16, 28808),

Gene: Kahlid_33 Start: 29107, Stop: 28763, Start Num: 3

Candidate Starts for Kahlid_33:

(1, 29269), (2, 29242), (Start: 3 @29107 has 32 MA's), (4, 29086), (8, 29059), (10, 29047), (15, 28816), (16, 28813),

Gene: Lewan_33 Start: 29102, Stop: 28758, Start Num: 3

Candidate Starts for Lewan_33:

(1, 29264), (2, 29237), (Start: 3 @29102 has 32 MA's), (4, 29081), (8, 29054), (10, 29042), (15, 28811), (16, 28808),

Gene: LilDestine_33 Start: 29101, Stop: 28757, Start Num: 3

Candidate Starts for LilDestine_33:

(1, 29263), (2, 29236), (Start: 3 @29101 has 32 MA's), (4, 29080), (8, 29053), (10, 29041), (15, 28810), (16, 28807),

Gene: Loadrie_33 Start: 29134, Stop: 28790, Start Num: 3

Candidate Starts for Loadrie_33:

(1, 29296), (2, 29269), (Start: 3 @29134 has 32 MA's), (4, 29113), (8, 29086), (10, 29074), (15, 28843), (16, 28840),

Gene: Lynnae_33 Start: 29090, Stop: 28746, Start Num: 3

Candidate Starts for Lynnae_33:

(1, 29252), (2, 29225), (Start: 3 @29090 has 32 MA's), (4, 29069), (8, 29042), (10, 29030), (15, 28799), (16, 28796),

Gene: Miley16_33 Start: 29102, Stop: 28758, Start Num: 3

Candidate Starts for Miley16_33:

(1, 29264), (2, 29237), (Start: 3 @29102 has 32 MA's), (4, 29081), (8, 29054), (10, 29042), (15, 28811), (16, 28808),

Gene: MkaliMitinis3_33 Start: 29102, Stop: 28758, Start Num: 3

Candidate Starts for MkaliMitinis3_33:

(1, 29264), (2, 29237), (Start: 3 @29102 has 32 MA's), (4, 29081), (8, 29054), (10, 29042), (15, 28811), (16, 28808),

Gene: Molivier_33 Start: 29099, Stop: 28755, Start Num: 3

Candidate Starts for Molivier_33:

(1, 29261), (2, 29234), (Start: 3 @29099 has 32 MA's), (4, 29078), (8, 29051), (10, 29039), (15, 28808), (16, 28805),

Gene: Netyap_33 Start: 29102, Stop: 28758, Start Num: 3

Candidate Starts for Netyap_33:

(1, 29264), (2, 29237), (Start: 3 @29102 has 32 MA's), (4, 29081), (8, 29054), (10, 29042), (15, 28811), (16, 28808),

Gene: Nicholasp3_33 Start: 29104, Stop: 28760, Start Num: 3

Candidate Starts for Nicholasp3_33:

(1, 29266), (2, 29239), (Start: 3 @29104 has 32 MA's), (4, 29083), (8, 29056), (10, 29044), (15, 28813), (16, 28810),

Gene: OverPar_33 Start: 29134, Stop: 28790, Start Num: 3

Candidate Starts for OverPar_33:

(1, 29296), (2, 29269), (Start: 3 @29134 has 32 MA's), (4, 29113), (8, 29086), (10, 29074), (15, 28843), (16, 28840),

Gene: Rossetti_33 Start: 29374, Stop: 29030, Start Num: 3

Candidate Starts for Rossetti_33:

(1, 29536), (2, 29509), (Start: 3 @29374 has 32 MA's), (5, 29341), (6, 29338), (7, 29332), (10, 29314), (15, 29083), (16, 29080),

Gene: Rumpelstiltskin_33 Start: 29370, Stop: 29026, Start Num: 3

Candidate Starts for Rumpelstiltskin_33:

(1, 29532), (2, 29505), (Start: 3 @29370 has 32 MA's), (4, 29349), (8, 29322), (10, 29310), (15, 29079), (16, 29076),

Gene: Sarshaun_33 Start: 29135, Stop: 28791, Start Num: 3

Candidate Starts for Sarshaun_33:

(1, 29297), (2, 29270), (Start: 3 @29135 has 32 MA's), (4, 29114), (8, 29087), (10, 29075), (15, 28844), (16, 28841),

Gene: SoJulia_34 Start: 29363, Stop: 29019, Start Num: 3

Candidate Starts for SoJulia_34:

(1, 29525), (2, 29498), (Start: 3 @29363 has 32 MA's), (4, 29342), (8, 29315), (10, 29303), (15, 29072), (16, 29069),

Gene: Soap141_33 Start: 29135, Stop: 28791, Start Num: 3

Candidate Starts for Soap141_33:

(1, 29297), (2, 29270), (Start: 3 @29135 has 32 MA's), (4, 29114), (8, 29087), (10, 29075), (15, 28844), (16, 28841),

Gene: Tourach_33 Start: 29096, Stop: 28749, Start Num: 3

Candidate Starts for Tourach_33:

(Start: 3 @29096 has 32 MA's), (6, 29060), (8, 29048), (10, 29036), (11, 28982), (14, 28826), (15, 28802), (16, 28799),

Gene: Underpass_33 Start: 29104, Stop: 28760, Start Num: 3

Candidate Starts for Underpass_33:

(1, 29266), (2, 29239), (Start: 3 @29104 has 32 MA's), (4, 29083), (8, 29056), (10, 29044), (15, 28813), (16, 28810),

Gene: Vetrix_33 Start: 29108, Stop: 28764, Start Num: 3

Candidate Starts for Vetrix_33:

(1, 29270), (2, 29243), (Start: 3 @29108 has 32 MA's), (4, 29087), (8, 29060), (10, 29048), (15, 28817), (16, 28814),

Gene: Wigglewobble_33 Start: 29134, Stop: 28790, Start Num: 3

Candidate Starts for Wigglewobble_33:

(1, 29296), (2, 29269), (Start: 3 @29134 has 32 MA's), (4, 29113), (8, 29086), (10, 29074), (15, 28843), (16, 28840),

Gene: Wilder_33 Start: 29107, Stop: 28763, Start Num: 3

Candidate Starts for Wilder_33:

(1, 29269), (2, 29242), (Start: 3 @29107 has 32 MA's), (4, 29086), (8, 29059), (10, 29047), (15, 28816), (16, 28813),

Gene: Winky_33 Start: 29102, Stop: 28758, Start Num: 3

Candidate Starts for Winky_33:

(1, 29264), (2, 29237), (Start: 3 @29102 has 32 MA's), (4, 29081), (8, 29054), (10, 29042), (15, 28811), (16, 28808),

Gene: Zakai_33 Start: 29358, Stop: 29014, Start Num: 3

Candidate Starts for Zakai_33:

(1, 29520), (2, 29493), (Start: 3 @29358 has 32 MA's), (5, 29325), (6, 29322), (7, 29316), (10, 29298), (15, 29067), (16, 29064),

Gene: ZhongYanYuan_32 Start: 28923, Stop: 28579, Start Num: 3

Candidate Starts for ZhongYanYuan_32:

(1, 29085), (2, 29058), (Start: 3 @28923 has 32 MA's), (6, 28887), (9, 28872), (16, 28629),