

Pham 269779



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 269779 Report

This analysis was run 02/07/26 on database version 634.

Pham number 269779 has 34 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Stigma_201, Karp_199, Belfort_203, Comrade_200, SparkleGoddess_203
- Track 2 : TunaTartare_205
- Track 3 : Stigma_203, Westy_208, Karp_200, Belfort_204, Comrade_201, SparkleGoddess_204
- Track 4 : Gilson_205, Maupel_206, Emma1919_206
- Track 5 : Moab_203
- Track 6 : Beuffert_195
- Track 7 : Phredrick_208, MeganTheeKilla_207, Kenrey_209
- Track 8 : Blueeyedbeauty_198
- Track 9 : Westy_206
- Track 10 : Patelgo_207, Moab_205
- Track 11 : Jada_206, DeluluLabubu_208, Forrest_206
- Track 12 : Patelgo_205
- Track 13 : Francob_207
- Track 14 : Faust_199, SeresaTree_203
- Track 15 : Annadreamy_190, Limpid_197
- Track 16 : Francob_205

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

The start number called the most often in the published annotations is 5, it was called in 23 of the 31 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Annadreamy_190, Belfort_203, Beuffert_195, Blueeyedbeauty_198, Comrade_200, DeluluLabubu_208, Emma1919_206, Faust_199, Forrest_206, Francob_205, Gilson_205, Jada_206, Karp_199, Kenrey_209, Limpid_197, Maupel_206, MeganTheeKilla_207, Moab_203, Moab_205, Patelgo_205, Patelgo_207, Phredrick_208, SeresaTree_203, SparkleGoddess_203, Stigma_201, TunaTartare_205,

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

- Westy_206,

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

- Belfort_204, Comrade_201, Francob_207, Karp_200, SparkleGoddess_204, Stigma_203, Westy_208,

Summary by start number:

Start 5:

- Found in 27 of 34 (79.4%) of genes in pham
- Manual Annotations of this start: 23 of 31
- Called 96.3% of time when present
- Phage (with cluster) where this start called: Annadreamy_190 (BK1), Belfort_203 (BK1), Beuffert_195 (BK1), Blueeyedbeauty_198 (BK1), Comrade_200 (BK1), DeluluLabubu_208 (BK1), Emma1919_206 (BK1), Faust_199 (BK1), Forrest_206 (BK1), Francob_205 (BK1), Gilson_205 (BK1), Jada_206 (BK1), Karp_199 (BK1), Kenrey_209 (BK1), Limpid_197 (BK1), Maupel_206 (BK1), MeganTheeKilla_207 (BK1), Moab_203 (BK1), Moab_205 (BK1), Patelgo_205 (BK1), Patelgo_207 (BK1), Phredrick_208 (BK1), SeresaTree_203 (BK1), SparkleGoddess_203 (BK1), Stigma_201 (BK1), TunaTartare_205 (BK1),

Start 6:

- Found in 1 of 34 (2.9%) of genes in pham
- Manual Annotations of this start: 1 of 31
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Francob_207 (BK1),

Start 7:

- Found in 6 of 34 (17.6%) of genes in pham
- Manual Annotations of this start: 6 of 31
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Belfort_204 (BK1), Comrade_201 (BK1), Karp_200 (BK1), SparkleGoddess_204 (BK1), Stigma_203 (BK1), Westy_208 (BK1),

Start 10:

- Found in 9 of 34 (26.5%) of genes in pham
- Manual Annotations of this start: 1 of 31
- Called 11.1% of time when present
- Phage (with cluster) where this start called: Westy_206 (BK1),

Summary by clusters:

There is one cluster represented in this pham: BK1

Info for manual annotations of cluster BK1:

- Start number 5 was manually annotated 23 times for cluster BK1.
- Start number 6 was manually annotated 1 time for cluster BK1.
- Start number 7 was manually annotated 6 times for cluster BK1.
- Start number 10 was manually annotated 1 time for cluster BK1.

Gene Information:

Gene: Annadreamy_190 Start: 96907, Stop: 97074, Start Num: 5

Candidate Starts for Annadreamy_190:

(Start: 5 @96907 has 23 MA's), (Start: 10 @96949 has 1 MA's),

Gene: Belfort_203 Start: 102922, Stop: 103083, Start Num: 5

Candidate Starts for Belfort_203:

(Start: 5 @102922 has 23 MA's), (8, 102949), (Start: 10 @102964 has 1 MA's), (12, 102976), (15, 103027), (18, 103069),

Gene: Belfort_204 Start: 103208, Stop: 103366, Start Num: 7

Candidate Starts for Belfort_204:

(Start: 7 @103208 has 6 MA's), (16, 103319),

Gene: Beuffert_195 Start: 101125, Stop: 101292, Start Num: 5

Candidate Starts for Beuffert_195:

(Start: 5 @101125 has 23 MA's), (Start: 10 @101167 has 1 MA's),

Gene: Blueeyedbeauty_198 Start: 100435, Stop: 100602, Start Num: 5

Candidate Starts for Blueeyedbeauty_198:

(1, 100384), (3, 100399), (4, 100405), (Start: 5 @100435 has 23 MA's),

Gene: Comrade_200 Start: 103123, Stop: 103284, Start Num: 5

Candidate Starts for Comrade_200:

(Start: 5 @103123 has 23 MA's), (8, 103150), (Start: 10 @103165 has 1 MA's), (12, 103177), (15, 103228), (18, 103270),

Gene: Comrade_201 Start: 103409, Stop: 103567, Start Num: 7

Candidate Starts for Comrade_201:

(Start: 7 @103409 has 6 MA's), (16, 103520),

Gene: DeluluLabubu_208 Start: 103161, Stop: 103328, Start Num: 5

Candidate Starts for DeluluLabubu_208:

(Start: 5 @103161 has 23 MA's), (8, 103188), (14, 103257), (17, 103296),

Gene: Emma1919_206 Start: 101687, Stop: 101854, Start Num: 5

Candidate Starts for Emma1919_206:

(Start: 5 @101687 has 23 MA's), (8, 101714), (14, 101783),

Gene: Faust_199 Start: 102596, Stop: 102763, Start Num: 5

Candidate Starts for Faust_199:

(Start: 5 @102596 has 23 MA's), (8, 102623), (11, 102644), (12, 102650), (15, 102707), (18, 102749),

Gene: Forrest_206 Start: 102652, Stop: 102819, Start Num: 5

Candidate Starts for Forrest_206:

(Start: 5 @102652 has 23 MA's), (8, 102679), (14, 102748), (17, 102787),

Gene: Francob_207 Start: 102435, Stop: 102599, Start Num: 6

Candidate Starts for Francob_207:

(Start: 6 @102435 has 1 MA's), (14, 102528),

Gene: Francob_205 Start: 102120, Stop: 102281, Start Num: 5

Candidate Starts for Francob_205:

(3, 102084), (Start: 5 @102120 has 23 MA's), (8, 102147), (9, 102159), (12, 102174), (13, 102186), (15, 102225), (18, 102267),

Gene: Gilson_205 Start: 101649, Stop: 101816, Start Num: 5

Candidate Starts for Gilson_205:

(Start: 5 @101649 has 23 MA's), (8, 101676), (14, 101745),

Gene: Jada_206 Start: 102324, Stop: 102491, Start Num: 5

Candidate Starts for Jada_206:

(Start: 5 @102324 has 23 MA's), (8, 102351), (14, 102420), (17, 102459),

Gene: Karp_199 Start: 103289, Stop: 103450, Start Num: 5

Candidate Starts for Karp_199:

(Start: 5 @103289 has 23 MA's), (8, 103316), (Start: 10 @103331 has 1 MA's), (12, 103343), (15, 103394), (18, 103436),

Gene: Karp_200 Start: 103575, Stop: 103733, Start Num: 7

Candidate Starts for Karp_200:

(Start: 7 @103575 has 6 MA's), (16, 103686),

Gene: Kenrey_209 Start: 102693, Stop: 102860, Start Num: 5

Candidate Starts for Kenrey_209:

(Start: 5 @102693 has 23 MA's), (14, 102789),

Gene: Limpid_197 Start: 102220, Stop: 102387, Start Num: 5

Candidate Starts for Limpid_197:

(Start: 5 @102220 has 23 MA's), (Start: 10 @102262 has 1 MA's),

Gene: Maupel_206 Start: 101649, Stop: 101816, Start Num: 5

Candidate Starts for Maupel_206:

(Start: 5 @101649 has 23 MA's), (8, 101676), (14, 101745),

Gene: MeganTheeKilla_207 Start: 101906, Stop: 102073, Start Num: 5

Candidate Starts for MeganTheeKilla_207:

(Start: 5 @101906 has 23 MA's), (14, 102002),

Gene: Moab_203 Start: 104171, Stop: 104338, Start Num: 5

Candidate Starts for Moab_203:

(2, 104129), (3, 104135), (Start: 5 @104171 has 23 MA's), (15, 104282), (18, 104324),

Gene: Moab_205 Start: 104463, Stop: 104630, Start Num: 5

Candidate Starts for Moab_205:

(Start: 5 @104463 has 23 MA's), (17, 104598),

Gene: Patelgo_207 Start: 105104, Stop: 105271, Start Num: 5

Candidate Starts for Patelgo_207:

(Start: 5 @105104 has 23 MA's), (17, 105239),

Gene: Patelgo_205 Start: 104812, Stop: 104979, Start Num: 5

Candidate Starts for Patelgo_205:

(3, 104776), (Start: 5 @104812 has 23 MA's), (15, 104923), (18, 104965),

Gene: Phredrick_208 Start: 101475, Stop: 101642, Start Num: 5

Candidate Starts for Phredrick_208:

(Start: 5 @101475 has 23 MA's), (14, 101571),

Gene: SeresaTree_203 Start: 102581, Stop: 102748, Start Num: 5

Candidate Starts for SeresaTree_203:

(Start: 5 @102581 has 23 MA's), (8, 102608), (11, 102629), (12, 102635), (15, 102692), (18, 102734),

Gene: SparkleGoddess_204 Start: 103617, Stop: 103775, Start Num: 7

Candidate Starts for SparkleGoddess_204:

(Start: 7 @103617 has 6 MA's), (16, 103728),

Gene: SparkleGoddess_203 Start: 103331, Stop: 103492, Start Num: 5

Candidate Starts for SparkleGoddess_203:

(Start: 5 @103331 has 23 MA's), (8, 103358), (Start: 10 @103373 has 1 MA's), (12, 103385), (15, 103436), (18, 103478),

Gene: Stigma_201 Start: 103569, Stop: 103730, Start Num: 5

Candidate Starts for Stigma_201:

(Start: 5 @103569 has 23 MA's), (8, 103596), (Start: 10 @103611 has 1 MA's), (12, 103623), (15, 103674), (18, 103716),

Gene: Stigma_203 Start: 103855, Stop: 104013, Start Num: 7

Candidate Starts for Stigma_203:

(Start: 7 @103855 has 6 MA's), (16, 103966),

Gene: TunaTartare_205 Start: 106580, Stop: 106747, Start Num: 5

Candidate Starts for TunaTartare_205:

(Start: 5 @106580 has 23 MA's),

Gene: Westy_208 Start: 104629, Stop: 104787, Start Num: 7

Candidate Starts for Westy_208:

(Start: 7 @104629 has 6 MA's), (16, 104740),

Gene: Westy_206 Start: 104385, Stop: 104504, Start Num: 10

Candidate Starts for Westy_206:

(Start: 5 @104343 has 23 MA's), (8, 104370), (Start: 10 @104385 has 1 MA's), (12, 104397), (15, 104448), (18, 104490),