Pham 86984

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 86984 Report

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

Pham number 86984 has 18 members, 7 are drafts.

Phages represented in each track:
• Track 1 : Jflix2_43
• Track 2 : Daredevil_131
• Track 3 : SpeedDemon_1410
• Track 4 : Bantam_138
• Track 5 : DatBoi_135
• Track 6 : Kabocha_95, Oogie_92, Schomber_92, Pakusa_89, Chidiebere_94, Gray_94, Aloki_88, Hanem_93
• Track 7 : ChisanaKitsune_91
• Track 8 : UBSmoodge_98, ScarletRaider_95
• Track 9 : FlyingTortilla_95
• Track 10 : GMA6_73

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

The start number called the most often in the published annotations is 19, it was called in 6 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Aloki_88, Chidiebere_94, ChisanaKitsune_91, FlyingTortilla_95, Gray_94, Hanem_93, Kabocha_95, Oogie_92, Pakusa_89, ScarletRaider_95, Schomber_92, UBSmoodge_98,

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

Genes that do not have the "Most Annotated" start:
• Bantam_138, Daredevil_131, DatBoi_135, GMA6_73, Jflix2_43, SpeedDemon_1410,

Summary by start number:

Start 16:
• Found in 1 of 18 (5.6%) of genes in pham
• No Manual Annotations of this start.

• Called 100.0% of time when present
• Phage (with cluster) where this start called: GMA6_73 (DQ),

Start 17:
• Found in 2 of 18 (11.1%) of genes in pham
• Manual Annotations of this start: 2 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Bantam_138 (DL), SpeedDemon_1410 (DL),

Start 18:
• Found in 1 of 18 (5.6%) of genes in pham
• Manual Annotations of this start: 1 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: DatBoi_135 (DL),

Start 19:
• Found in 12 of 18 (66.7%) of genes in pham
• Manual Annotations of this start: 6 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Aloki_88 (DQ), Chidiebere_94 (DQ), ChisanaKitsune_91 (DQ), FlyingTortilla_95 (DQ), Gray_94 (DQ), Hanem_93 (DQ), Kabocha_95 (DQ), Oogie_92 (DQ), Pakusa_89 (DQ), ScarletRaider_95 (DQ), Schomber_92 (DQ), UBSmoodge_98 (DQ),

Start 20:
• Found in 2 of 18 (11.1%) of genes in pham
• Manual Annotations of this start: 2 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Daredevil_131 (DL), Jflix2_43 (CF),

Summary by clusters:

There are 3 clusters represented in this pham: DL, CF, DQ,

Info for manual annotations of cluster CF:
•Start number 20 was manually annotated 1 time for cluster CF.

Info for manual annotations of cluster DL:
•Start number 17 was manually annotated 2 times for cluster DL.
•Start number 18 was manually annotated 1 time for cluster DL.
•Start number 20 was manually annotated 1 time for cluster DL.

Info for manual annotations of cluster DQ:
•Start number 19 was manually annotated 6 times for cluster DQ.

Gene Information:

Gene: Aloki_88 Start: 69015, Stop: 69224, Start Num: 19
Candidate Starts for Aloki_88:

(7, 68922), (11, 68958), (15, 68982), (Start: 19 @69015 has 6 MA's), (24, 69099), (25, 69102), (26, 69114), (27, 69150), (30, 69180), (35, 69216),

Gene: Bantam_138 Start: 80839, Stop: 80630, Start Num: 17
Candidate Starts for Bantam_138:
(Start: 17 @80839 has 2 MA's), (28, 80698),

Gene: Chidiebere_94 Start: 69548, Stop: 69757, Start Num: 19
Candidate Starts for Chidiebere_94:
(7, 69455), (11, 69491), (15, 69515), (Start: 19 @69548 has 6 MA's), (24, 69632), (25, 69635), (26, 69647), (27, 69683), (30, 69713), (35, 69749),

Gene: ChisanaKitsune_91 Start: 68493, Stop: 68702, Start Num: 19
Candidate Starts for ChisanaKitsune_91:
(7, 68400), (11, 68436), (15, 68460), (Start: 19 @68493 has 6 MA's), (24, 68577), (25, 68580), (26, 68592), (27, 68628), (30, 68658), (35, 68694),

Gene: Daredevil_131 Start: 77436, Stop: 77239, Start Num: 20
Candidate Starts for Daredevil_131:
(3, 77661), (4, 77628), (9, 77511), (10, 77505), (12, 77490), (13, 77484), (14, 77478), (Start: 20 @77436 has 2 MA's),

Gene: DatBoi_135 Start: 79816, Stop: 79607, Start Num: 18
Candidate Starts for DatBoi_135:
(1, 80068), (6, 79909), (9, 79876), (Start: 18 @79816 has 1 MA's), (28, 79675),

Gene: FlyingTortilla_95 Start: 73248, Stop: 73457, Start Num: 19
Candidate Starts for FlyingTortilla_95:
(7, 73152), (15, 73212), (Start: 19 @73248 has 6 MA's), (22, 73311), (26, 73344), (27, 73380), (29, 73395),

Gene: GMA6_73 Start: 58715, Stop: 58966, Start Num: 16
Candidate Starts for GMA6_73:
(2, 58466), (5, 58556), (8, 58652), (16, 58715), (21, 58775), (31, 58895), (32, 58898), (34, 58910), (36, 58937),

Gene: Gray_94 Start: 69276, Stop: 69485, Start Num: 19
Candidate Starts for Gray_94:
(7, 69183), (11, 69219), (15, 69243), (Start: 19 @69276 has 6 MA's), (24, 69360), (25, 69363), (26, 69375), (27, 69411), (30, 69441), (35, 69477),

Gene: Hanem_93 Start: 69015, Stop: 69224, Start Num: 19
Candidate Starts for Hanem_93:
(7, 68922), (11, 68958), (15, 68982), (Start: 19 @69015 has 6 MA's), (24, 69099), (25, 69102), (26, 69114), (27, 69150), (30, 69180), (35, 69216),

Gene: Jflix2_43 Start: 32256, Stop: 32062, Start Num: 20
Candidate Starts for Jflix2_43:
(Start: 20 @32256 has 2 MA's), (33, 32088),

Gene: Kabocha_95 Start: 70361, Stop: 70570, Start Num: 19
Candidate Starts for Kabocha_95:

(7, 70268), (11, 70304), (15, 70328), (Start: 19 @70361 has 6 MA's), (24, 70445), (25, 70448), (26, 70460), (27, 70496), (30, 70526), (35, 70562),

Gene: Oogie_92 Start: 70952, Stop: 71161, Start Num: 19
Candidate Starts for Oogie_92:
(7, 70859), (11, 70895), (15, 70919), (Start: 19 @70952 has 6 MA's), (24, 71036), (25, 71039), (26, 71051), (27, 71087), (30, 71117), (35, 71153),

Gene: Pakusa_89 Start: 68741, Stop: 68950, Start Num: 19
Candidate Starts for Pakusa_89:
(7, 68648), (11, 68684), (15, 68708), (Start: 19 @68741 has 6 MA's), (24, 68825), (25, 68828), (26, 68840), (27, 68876), (30, 68906), (35, 68942),

Gene: ScarletRaider_95 Start: 72516, Stop: 72728, Start Num: 19
Candidate Starts for ScarletRaider_95:
(7, 72420), (15, 72480), (Start: 19 @72516 has 6 MA's), (22, 72582), (23, 72594), (26, 72615), (27, 72651), (29, 72666),

Gene: Schomber_92 Start: 68749, Stop: 68958, Start Num: 19
Candidate Starts for Schomber_92:
(7, 68656), (11, 68692), (15, 68716), (Start: 19 @68749 has 6 MA's), (24, 68833), (25, 68836), (26, 68848), (27, 68884), (30, 68914), (35, 68950),

Gene: SpeedDemon_1410 Start: 83933, Stop: 83724, Start Num: 17
Candidate Starts for SpeedDemon_1410:
(Start: 17 @83933 has 2 MA's), (28, 83792),

Gene: UBSmoodge_98 Start: 72957, Stop: 73169, Start Num: 19
Candidate Starts for UBSmoodge_98:
(7, 72861), (15, 72921), (Start: 19 @72957 has 6 MA's), (22, 73023), (23, 73035), (26, 73056), (27, 73092), (29, 73107),