



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 309884 Report

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

Pham number 309884 has 9 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Smarties_26, Ariadne_26
- Track 2 : Romm_3, RobinRose_4
- Track 3 : CandC_3, Fregley_5
- Track 4 : Mila11_6, BaconCheese_6
- Track 5 : Kelcole_3

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

The start number called the most often in the published annotations is 8, it was called in 8 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Ariadne_26, BaconCheese_6, CandC_3, Fregley_5, Kelcole_3, Mila11_6, RobinRose_4, Romm_3, Smarties_26,

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 8:

- Found in 9 of 9 (100.0%) of genes in pham
- Manual Annotations of this start: 8 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Ariadne_26 (EC), BaconCheese_6 (EG), CandC_3 (EG), Fregley_5 (EG), Kelcole_3 (EG), Mila11_6 (EG), RobinRose_4 (EG), Romm_3 (EG), Smarties_26 (EC),

Summary by clusters:

There are 2 clusters represented in this pham: EG, EC,

Info for manual annotations of cluster EC:

- Start number 8 was manually annotated 2 times for cluster EC.

Info for manual annotations of cluster EG:

- Start number 8 was manually annotated 6 times for cluster EG.

Gene Information:

Gene: Ariadne_26 Start: 9378, Stop: 9698, Start Num: 8

Candidate Starts for Ariadne_26:

(1, 9120), (2, 9159), (3, 9195), (Start: 8 @9378 has 8 MA's), (9, 9465), (12, 9489), (15, 9525), (20, 9648), (21, 9651), (24, 9687),

Gene: BaconCheese_6 Start: 2178, Stop: 1816, Start Num: 8

Candidate Starts for BaconCheese_6:

(4, 2277), (5, 2268), (6, 2262), (Start: 8 @2178 has 8 MA's), (11, 2070), (13, 2043), (18, 1938), (19, 1917), (22, 1851), (23, 1848),

Gene: CandC_3 Start: 1461, Stop: 1099, Start Num: 8

Candidate Starts for CandC_3:

(Start: 8 @1461 has 8 MA's), (10, 1359), (14, 1299), (16, 1254), (17, 1227), (18, 1221), (23, 1131),

Gene: Fregley_5 Start: 1999, Stop: 1637, Start Num: 8

Candidate Starts for Fregley_5:

(Start: 8 @1999 has 8 MA's), (10, 1897), (14, 1837), (16, 1792), (17, 1765), (18, 1759), (23, 1669),

Gene: Kelcole_3 Start: 1461, Stop: 1099, Start Num: 8

Candidate Starts for Kelcole_3:

(7, 1479), (Start: 8 @1461 has 8 MA's), (10, 1359), (14, 1299), (16, 1254), (17, 1227), (18, 1221), (23, 1131),

Gene: Mila11_6 Start: 2163, Stop: 1801, Start Num: 8

Candidate Starts for Mila11_6:

(4, 2262), (5, 2253), (6, 2247), (Start: 8 @2163 has 8 MA's), (11, 2055), (13, 2028), (18, 1923), (19, 1902), (22, 1836), (23, 1833),

Gene: RobinRose_4 Start: 1437, Stop: 1099, Start Num: 8

Candidate Starts for RobinRose_4:

(Start: 8 @1437 has 8 MA's), (13, 1326), (16, 1254), (18, 1221), (23, 1131),

Gene: Romm_3 Start: 1437, Stop: 1099, Start Num: 8

Candidate Starts for Romm_3:

(Start: 8 @1437 has 8 MA's), (13, 1326), (16, 1254), (18, 1221), (23, 1131),

Gene: Smarties_26 Start: 9378, Stop: 9698, Start Num: 8

Candidate Starts for Smarties_26:

(1, 9120), (2, 9159), (3, 9195), (Start: 8 @9378 has 8 MA's), (9, 9465), (12, 9489), (15, 9525), (20, 9648), (21, 9651), (24, 9687),