Pham 344715


1: Affeca_56
2: FuegoCuervo_61
3: Bizzy_56
4: Stichling_54
5: Barsten_59
6: Kewpiedoll_58
7: Tardus_61
8: Pumpkiney_59

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 344715 Report

This analysis was run 11/14/26 on database version 672.

Pham number 344715 has 8 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Affeca_56
• Track 2 : FuegoCuervo_61
• Track 3 : Bizzy_56
• Track 4 : Stichling_54
• Track 5 : Barsten_59
• Track 6 : Kewpiedoll_58
• Track 7 : Tardus_61
• Track 8 : Pumpkiney_59

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

The start number called the most often in the published annotations is 9, it was called in 5 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Affeca_56, Barsten_59, FuegoCuervo_61, Kewpiedoll_58, Tardus_61,

Genes that have the "Most Annotated" start but do not call it:
• Pumpkiney_59,

Genes that do not have the "Most Annotated" start:
• Bizzy_56, Stichling_54,

Summary by start number:

Start 5:
• Found in 3 of 8 (37.5%) of genes in pham
• No Manual Annotations of this start.
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Pumpkiney_59 (DE4),

Start 6:
• Found in 1 of 8 (12.5%) of genes in pham
• Manual Annotations of this start: 1 of 6

• Called 100.0% of time when present
• Phage (with cluster) where this start called: Bizzy_56 (DE1),

Start 9:
• Found in 6 of 8 (75.0%) of genes in pham
• Manual Annotations of this start: 5 of 6
• Called 83.3% of time when present
• Phage (with cluster) where this start called: Affeca_56 (DE1), Barsten_59 (DE1), FuegoCuervo_61 (DE1), Kewpiedoll_58 (DE1), Tardus_61 (DE4),

Start 15:
• Found in 1 of 8 (12.5%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Stichling_54 (DE1),

Summary by clusters:

There are 2 clusters represented in this pham: DE1, DE4,

Info for manual annotations of cluster DE1:
•Start number 6 was manually annotated 1 time for cluster DE1.
•Start number 9 was manually annotated 4 times for cluster DE1.

Info for manual annotations of cluster DE4:
•Start number 9 was manually annotated 1 time for cluster DE4.

Gene Information:

Gene: Affeca_56 Start: 46765, Stop: 48117, Start Num: 9
Candidate Starts for Affeca_56:
(Start: 9 @46765 has 5 MA's), (14, 46936), (17, 46999), (22, 47119), (25, 47143), (26, 47155), (27, 47194), (28, 47218), (32, 47311), (39, 47398), (50, 47524), (56, 47584), (60, 47638), (62, 47644), (65, 47689), (74, 47812), (75, 47842), (80, 47929), (85, 47980), (87, 48004),

Gene: Barsten_59 Start: 47136, Stop: 48338, Start Num: 9
Candidate Starts for Barsten_59:
(Start: 9 @47136 has 5 MA's), (18, 47367), (32, 47487), (38, 47568), (50, 47700), (56, 47760), (60, 47814), (63, 47847), (67, 47874), (68, 47880), (77, 48030), (84, 48162), (88, 48198), (89, 48228), (92, 48303),

Gene: Bizzy_56 Start: 45626, Stop: 46924, Start Num: 6
Candidate Starts for Bizzy_56:
(Start: 6 @45626 has 1 MA's), (7, 45659), (20, 46007), (21, 46019), (23, 46028), (29, 46136), (36, 46232), (37, 46259), (39, 46274), (54, 46439), (63, 46541), (69, 46610), (70, 46628), (73, 46676), (75, 46706), (76, 46715), (78, 46748), (81, 46787),

Gene: FuegoCuervo_61 Start: 46120, Stop: 47721, Start Num: 9
Candidate Starts for FuegoCuervo_61:
(5, 46060), (Start: 9 @46120 has 5 MA's), (12, 46273), (14, 46288), (17, 46369), (27, 46540), (32, 46648), (39, 46735), (42, 46765), (46, 46813), (49, 46954), (52, 47023), (55, 47053), (61, 47158), (64,

47194), (66, 47242), (67, 47257), (68, 47263), (77, 47413), (84, 47545), (88, 47581),

Gene: Kewpiedoll_58 Start: 47140, Stop: 48579, Start Num: 9
Candidate Starts for Kewpiedoll_58:
(1, 46558), (2, 46621), (3, 46684), (4, 46936), (5, 47080), (Start: 9 @47140 has 5 MA's), (12, 47293), (14, 47308), (16, 47398), (25, 47566), (27, 47617), (28, 47641), (32, 47728), (38, 47809), (50, 47941), (56, 48001), (60, 48055), (62, 48061), (63, 48088), (68, 48121), (77, 48271), (84, 48403), (88, 48439), (89, 48469),

Gene: Pumpkiney_59 Start: 44224, Stop: 45786, Start Num: 5
Candidate Starts for Pumpkiney_59:
(5, 44224), (Start: 9 @44290 has 5 MA's), (24, 44656), (27, 44707), (32, 44818), (38, 44899), (39, 44905), (50, 45031), (56, 45091), (60, 45145), (62, 45151), (63, 45178), (67, 45205), (68, 45211), (72, 45319), (74, 45340), (75, 45370), (79, 45457), (82, 45493), (86, 45523), (91, 45649), (93, 45760),

Gene: Stichling_54 Start: 45205, Stop: 46380, Start Num: 15
Candidate Starts for Stichling_54:
(8, 44971), (10, 44983), (11, 45073), (13, 45130), (15, 45205), (27, 45424), (30, 45490), (44, 45685), (45, 45694), (47, 45706), (48, 45724), (51, 45805), (53, 45811), (74, 46069), (83, 46240),

Gene: Tardus_61 Start: 46979, Stop: 48136, Start Num: 9
Candidate Starts for Tardus_61:
(Start: 9 @46979 has 5 MA's), (19, 47198), (28, 47294), (31, 47336), (33, 47375), (34, 47384), (35, 47393), (40, 47456), (41, 47462), (43, 47486), (57, 47657), (58, 47672), (59, 47678), (71, 47813), (74, 47849), (75, 47879), (80, 47966), (82, 48002), (90, 48098),