Pham 346294


1: JKSyngboy_55
2: Baddon_57
3: Fitzgerald_56
4: Ashertheman_58
5: Kroos_56
6: Kwobi_59
7: APunk_60 + 3
8: Verity_59 + 2
9: Zitch_61

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 346294 Report

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

Pham number 346294 has 14 members, 0 are drafts.

Phages represented in each track:
• Track 1 : JKSyngboy_55
• Track 2 : Baddon_57
• Track 3 : Fitzgerald_56
• Track 4 : Ashertheman_58
• Track 5 : Kroos_56
• Track 6 : Kwobi_59
• Track 7 : APunk_60, BigHunkinEater_62, Zipp_60, ViaConlectus_59
• Track 8 : Verity_59, DoctorFroggo_59, Delrey21_59
• Track 9 : Zitch_61

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

The start number called the most often in the published annotations is 10, it was called in 10 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• APunk_60, Baddon_57, BigHunkinEater_62, Delrey21_59, DoctorFroggo_59, JKSyngboy_55, Verity_59, ViaConlectus_59, Zipp_60, Zitch_61,

Genes that have the "Most Annotated" start but do not call it:
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Genes that do not have the "Most Annotated" start:
• Ashertheman_58, Fitzgerald_56, Kroos_56, Kwobi_59,

Summary by start number:

Start 10:
• Found in 10 of 14 (71.4%) of genes in pham
• Manual Annotations of this start: 10 of 14
• Called 100.0% of time when present
• Phage (with cluster) where this start called: APunk_60 (DE4), Baddon_57 (DE1), BigHunkinEater_62 (DE4), Delrey21_59 (DE4), DoctorFroggo_59 (DE4), JKSyngboy_55 (DE1), Verity_59 (DE4), ViaConlectus_59 (DE4), Zipp_60 (DE4),

Zitch_61 (DE4),

Start 11:
• Found in 2 of 14 (14.3%) of genes in pham
• Manual Annotations of this start: 2 of 14
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Kroos_56 (DE1), Kwobi_59 (DE1),

Start 12:
• Found in 1 of 14 (7.1%) of genes in pham
• Manual Annotations of this start: 1 of 14
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Ashertheman_58 (DE1),

Start 15:
• Found in 1 of 14 (7.1%) of genes in pham
• Manual Annotations of this start: 1 of 14
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Fitzgerald_56 (DE1),

Summary by clusters:

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

Info for manual annotations of cluster DE1:
•Start number 10 was manually annotated 2 times for cluster DE1.
•Start number 11 was manually annotated 2 times for cluster DE1.
•Start number 12 was manually annotated 1 time for cluster DE1.
•Start number 15 was manually annotated 1 time for cluster DE1.

Info for manual annotations of cluster DE4:
•Start number 10 was manually annotated 8 times for cluster DE4.

Gene Information:

Gene: APunk_60 Start: 46791, Stop: 47549, Start Num: 10
Candidate Starts for APunk_60:
(Start: 10 @46791 has 10 MA's), (18, 47010), (22, 47106), (23, 47148), (27, 47187), (29, 47196), (31, 47205), (38, 47298), (40, 47304), (42, 47352), (49, 47409), (51, 47439),

Gene: Ashertheman_58 Start: 46515, Stop: 47336, Start Num: 12
Candidate Starts for Ashertheman_58:
(9, 46482), (Start: 12 @46515 has 1 MA's), (14, 46584), (16, 46680), (19, 46776), (26, 46896), (30, 46911), (32, 46920), (33, 46932), (45, 47094), (56, 47205), (59, 47274),

Gene: Baddon_57 Start: 47210, Stop: 47851, Start Num: 10
Candidate Starts for Baddon_57:
(3, 46976), (4, 46988), (5, 47078), (6, 47135), (Start: 10 @47210 has 10 MA's), (35, 47558), (36, 47567), (37, 47579), (53, 47741), (58, 47813),

Gene: BigHunkinEater_62 Start: 46506, Stop: 47264, Start Num: 10

Candidate Starts for BigHunkinEater_62:
(Start: 10 @46506 has 10 MA's), (18, 46725), (22, 46821), (23, 46863), (27, 46902), (29, 46911), (31, 46920), (38, 47013), (40, 47019), (42, 47067), (49, 47124), (51, 47154),

Gene: Delrey21_59 Start: 48008, Stop: 48682, Start Num: 10
Candidate Starts for Delrey21_59:
(Start: 10 @48008 has 10 MA's), (18, 48227), (22, 48323), (23, 48365), (27, 48404), (42, 48485), (49, 48542), (51, 48572),

Gene: DoctorFroggo_59 Start: 48008, Stop: 48682, Start Num: 10
Candidate Starts for DoctorFroggo_59:
(Start: 10 @48008 has 10 MA's), (18, 48227), (22, 48323), (23, 48365), (27, 48404), (42, 48485), (49, 48542), (51, 48572),

Gene: Fitzgerald_56 Start: 47515, Stop: 48432, Start Num: 15
Candidate Starts for Fitzgerald_56:
(1, 46933), (2, 46996), (6, 47311), (13, 47455), (Start: 15 @47515 has 1 MA's), (24, 47758), (28, 47806), (43, 47983), (50, 48040), (51, 48064), (56, 48124), (61, 48253), (65, 48346), (66, 48364),

Gene: JKSyngboy_55 Start: 46741, Stop: 47460, Start Num: 10
Candidate Starts for JKSyngboy_55:
(3, 46507), (4, 46519), (5, 46609), (6, 46666), (Start: 10 @46741 has 10 MA's), (34, 47140), (39, 47179), (41, 47188), (52, 47323),

Gene: Kroos_56 Start: 46159, Stop: 47070, Start Num: 11
Candidate Starts for Kroos_56:
(8, 46126), (Start: 11 @46159 has 2 MA's), (17, 46369), (20, 46435), (35, 46630), (36, 46639), (37, 46651), (39, 46669), (46, 46750), (47, 46756), (64, 47014),

Gene: Kwobi_59 Start: 46854, Stop: 47765, Start Num: 11
Candidate Starts for Kwobi_59:
(3, 46620), (4, 46632), (5, 46722), (6, 46779), (Start: 11 @46854 has 2 MA's), (17, 47064), (20, 47130), (35, 47325), (36, 47334), (37, 47346), (39, 47364), (46, 47445), (47, 47451), (64, 47709),

Gene: Verity_59 Start: 48008, Stop: 48682, Start Num: 10
Candidate Starts for Verity_59:
(Start: 10 @48008 has 10 MA's), (18, 48227), (22, 48323), (23, 48365), (27, 48404), (42, 48485), (49, 48542), (51, 48572),

Gene: ViaConlectus_59 Start: 45934, Stop: 46692, Start Num: 10
Candidate Starts for ViaConlectus_59:
(Start: 10 @45934 has 10 MA's), (18, 46153), (22, 46249), (23, 46291), (27, 46330), (29, 46339), (31, 46348), (38, 46441), (40, 46447), (42, 46495), (49, 46552), (51, 46582),

Gene: Zipp_60 Start: 47932, Stop: 48690, Start Num: 10
Candidate Starts for Zipp_60:
(Start: 10 @47932 has 10 MA's), (18, 48151), (22, 48247), (23, 48289), (27, 48328), (29, 48337), (31, 48346), (38, 48439), (40, 48445), (42, 48493), (49, 48550), (51, 48580),

Gene: Zitch_61 Start: 45762, Stop: 46910, Start Num: 10
Candidate Starts for Zitch_61:
(7, 45696), (Start: 10 @45762 has 10 MA's), (14, 45849), (21, 46056), (25, 46176), (35, 46257), (44, 46371), (48, 46389), (51, 46437), (54, 46467), (55, 46476), (57, 46509), (60, 46620), (62, 46626), (63,

46647), (67, 46746), (68, 46848),