Pham 346379


1: Ahwei_87
2: Fortunato_87
3: Suigeneris_90 + 2
4: Shenyu_90 + 2
5: KayaCho_87
6: ForDig_89
7: Jolie1_089

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 346379 Report

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

Pham number 346379 has 11 members, 5 are drafts.

Phages represented in each track:
• Track 1 : Ahwei_87
• Track 2 : Fortunato_87
• Track 3 : Suigeneris_90, Donny_89, Acadian_89
• Track 4 : Shenyu_90, DigitDog_91, Nangang_90
• Track 5 : KayaCho_87
• Track 6 : ForDig_89
• Track 7 : Jolie1_089

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 3 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Acadian_89, Donny_89, Suigeneris_90,

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:
• Ahwei_87, DigitDog_91, ForDig_89, Fortunato_87, Jolie1_089, KayaCho_87, Nangang_90, Shenyu_90,

Summary by start number:

Start 4:
• Found in 2 of 11 (18.2%) of genes in pham
• Manual Annotations of this start: 1 of 6
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Fortunato_87 (B4),

Start 8:
• Found in 1 of 11 (9.1%) of genes in pham
• No Manual Annotations of this start.

• Called 100.0% of time when present
• Phage (with cluster) where this start called: Ahwei_87 (B4),

Start 9:
• Found in 3 of 11 (27.3%) of genes in pham
• Manual Annotations of this start: 3 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Acadian_89 (B5), Donny_89 (B5), Suigeneris_90 (B5),

Start 11:
• Found in 3 of 11 (27.3%) of genes in pham
• Manual Annotations of this start: 2 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: ForDig_89 (B6), Jolie1_089 (B6), KayaCho_87 (B6),

Start 12:
• Found in 8 of 11 (72.7%) of genes in pham
• No Manual Annotations of this start.
• Called 37.5% of time when present
• Phage (with cluster) where this start called: DigitDog_91 (B5), Nangang_90 (B5), Shenyu_90 (B5),

Summary by clusters:

There are 3 clusters represented in this pham: B4, B5, B6,

Info for manual annotations of cluster B4:
•Start number 4 was manually annotated 1 time for cluster B4.

Info for manual annotations of cluster B5:
•Start number 9 was manually annotated 3 times for cluster B5.

Info for manual annotations of cluster B6:
•Start number 11 was manually annotated 2 times for cluster B6.

Gene Information:

Gene: Acadian_89 Start: 66018, Stop: 65326, Start Num: 9
Candidate Starts for Acadian_89:
(1, 66897), (3, 66402), (7, 66072), (Start: 9 @66018 has 3 MA's), (12, 65943), (18, 65772), (19, 65763), (23, 65655), (26, 65538), (29, 65514), (30, 65496), (37, 65460), (43, 65379),

Gene: Ahwei_87 Start: 66494, Stop: 65571, Start Num: 8
Candidate Starts for Ahwei_87:
(2, 67208), (Start: 4 @66614 has 1 MA's), (6, 66551), (8, 66494), (10, 66452), (12, 66401), (18, 66230), (19, 66221), (21, 66149), (22, 66125), (24, 66032), (27, 65981), (29, 65969), (30, 65951), (31, 65933), (32, 65930), (33, 65921), (34, 65918), (35, 65906), (39, 65882), (44, 65780), (45, 65744), (46, 65717), (47, 65657), (48, 65600), (49, 65594), (50, 65585),

Gene: DigitDog_91 Start: 66458, Stop: 65841, Start Num: 12
Candidate Starts for DigitDog_91:
(3, 66893), (7, 66563), (12, 66458), (18, 66290), (19, 66281), (23, 66173), (26, 66056), (29, 66032), (30, 66014), (40, 65921),

Gene: Donny_89 Start: 65845, Stop: 65159, Start Num: 9
Candidate Starts for Donny_89:
(1, 66724), (3, 66229), (7, 65899), (Start: 9 @65845 has 3 MA's), (12, 65770), (18, 65605), (19, 65596), (23, 65488), (26, 65371), (29, 65347), (30, 65329), (37, 65293), (43, 65212),

Gene: ForDig_89 Start: 66193, Stop: 65561, Start Num: 11
Candidate Starts for ForDig_89:
(5, 66334), (Start: 11 @66193 has 2 MA's), (13, 66124), (15, 66115), (18, 65995), (19, 65986), (20, 65965), (22, 65893), (23, 65881), (28, 65740), (29, 65737), (30, 65719), (32, 65692), (38, 65650),

Gene: Fortunato_87 Start: 66949, Stop: 66113, Start Num: 4
Candidate Starts for Fortunato_87:
(Start: 4 @66949 has 1 MA's), (6, 66886), (10, 66781), (12, 66730), (16, 66640), (18, 66562), (19, 66553), (21, 66481), (22, 66457), (24, 66364), (25, 66361), (27, 66313), (29, 66301), (30, 66283), (31, 66265), (32, 66262), (34, 66250), (35, 66238), (39, 66214), (41, 66157), (42, 66154),

Gene: Jolie1_089 Start: 66284, Stop: 65610, Start Num: 11
Candidate Starts for Jolie1_089:
(5, 66428), (Start: 11 @66284 has 2 MA's), (14, 66203), (15, 66194), (18, 66074), (20, 66044), (22, 65972), (23, 65960), (28, 65819), (29, 65816), (30, 65798), (32, 65771), (36, 65747), (39, 65732),

Gene: KayaCho_87 Start: 66154, Stop: 65498, Start Num: 11
Candidate Starts for KayaCho_87:
(Start: 11 @66154 has 2 MA's), (14, 66085), (17, 65983), (18, 65956), (20, 65926), (22, 65851), (23, 65839), (25, 65755), (28, 65698), (29, 65695), (30, 65677), (32, 65650), (36, 65623),

Gene: Nangang_90 Start: 66354, Stop: 65737, Start Num: 12
Candidate Starts for Nangang_90:
(3, 66789), (7, 66459), (12, 66354), (18, 66186), (19, 66177), (23, 66069), (26, 65952), (29, 65928), (30, 65910), (40, 65817),

Gene: Shenyu_90 Start: 66352, Stop: 65735, Start Num: 12
Candidate Starts for Shenyu_90:
(3, 66787), (7, 66457), (12, 66352), (18, 66184), (19, 66175), (23, 66067), (26, 65950), (29, 65926), (30, 65908), (40, 65815),

Gene: Suigeneris_90 Start: 66233, Stop: 65547, Start Num: 9
Candidate Starts for Suigeneris_90:
(1, 67112), (3, 66617), (7, 66287), (Start: 9 @66233 has 3 MA's), (12, 66158), (18, 65993), (19, 65984), (23, 65876), (26, 65759), (29, 65735), (30, 65717), (37, 65681), (43, 65600),