Pham 342608


1: Giantsbane_52
2: Uzumaki_1 + 1
3: Lewando_1 + 1
4: Mardi_1
5: Navi1117_1
6: Remlit_1
7: BarbieDoll_1 + 1
8: TrixiePhattel_1
9: Stardrop_1
10: Phadla_1 + 1
11: Zeina_1
12: Jazzy4900_2 + 1
13: Arzan_2

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 342608 Report

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

Pham number 342608 has 18 members, 7 are drafts.

Phages represented in each track:
• Track 1 : Giantsbane_52
• Track 2 : Uzumaki_1, Tenney120_1
• Track 3 : Lewando_1, Kinny_1
• Track 4 : Mardi_1
• Track 5 : Navi1117_1
• Track 6 : Remlit_1
• Track 7 : BarbieDoll_1, Renaldo_1
• Track 8 : TrixiePhattel_1
• Track 9 : Stardrop_1
• Track 10 : Phaila_1, PoeMe_1
• Track 11 : Zeina_1
• Track 12 : Jazzy4900_2, Sunny4976_2
• Track 13 : Arzan_2

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

The start number called the most often in the published annotations is 4, it was called in 6 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Arzan_2, Giantsbane_52, Mardi_1, Navi1117_1, Stardrop_1, Tenney120_1, TrixiePhattel_1, Uzumaki_1,

Genes that have the "Most Annotated" start but do not call it:
• BarbieDoll_1, Jazzy4900_2, Kinny_1, Lewando_1, Phaila_1, PoeMe_1, Remlit_1, Renaldo_1, Sunny4976_2, Zeina_1,

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

Summary by start number:

Start 2:
• Found in 11 of 18 (61.1%) of genes in pham

• Manual Annotations of this start: 5 of 11
• Called 54.5% of time when present
• Phage (with cluster) where this start called: Kinny_1 (AU6), Lewando_1 (AU6), Phaila_1 (AU6), PoeMe_1 (AU6), Remlit_1 (AU6), Zeina_1 (AU6),

Start 3:
• Found in 4 of 18 (22.2%) of genes in pham
• No Manual Annotations of this start.
• Called 50.0% of time when present
• Phage (with cluster) where this start called: BarbieDoll_1 (AU6), Renaldo_1 (AU6),

Start 4:
• Found in 18 of 18 (100.0%) of genes in pham
• Manual Annotations of this start: 6 of 11
• Called 44.4% of time when present
• Phage (with cluster) where this start called: Arzan_2 (FI), Giantsbane_52 (AU2), Mardi_1 (AU6), Navi1117_1 (AU6), Stardrop_1 (AU6), Tenney120_1 (AU6), TrixiePhattel_1 (AU6), Uzumaki_1 (AU6),

Start 6:
• Found in 12 of 18 (66.7%) of genes in pham
• No Manual Annotations of this start.
• Called 16.7% of time when present
• Phage (with cluster) where this start called: Jazzy4900_2 (FI), Sunny4976_2 (FI),

Summary by clusters:

There are 3 clusters represented in this pham: FI, AU2, AU6,

Info for manual annotations of cluster AU2:
•Start number 4 was manually annotated 1 time for cluster AU2.

Info for manual annotations of cluster AU6:
•Start number 2 was manually annotated 5 times for cluster AU6.
•Start number 4 was manually annotated 5 times for cluster AU6.

Gene Information:

Gene: Arzan_2 Start: 879, Stop: 1118, Start Num: 4
Candidate Starts for Arzan_2:
(Start: 4 @879 has 6 MA's), (5, 888), (6, 906), (12, 1011), (13, 1053),

Gene: BarbieDoll_1 Start: 334, Stop: 627, Start Num: 3
Candidate Starts for BarbieDoll_1:
(1, 277), (Start: 2 @283 has 5 MA's), (3, 334), (Start: 4 @385 has 6 MA's), (5, 394), (6, 412), (15, 604),

Gene: Giantsbane_52 Start: 34712, Stop: 34954, Start Num: 4
Candidate Starts for Giantsbane_52:
(Start: 4 @34712 has 6 MA's), (5, 34721), (6, 34739), (10, 34799), (15, 34931),

Gene: Jazzy4900_2 Start: 932, Stop: 1144, Start Num: 6
Candidate Starts for Jazzy4900_2:
(Start: 4 @905 has 6 MA's), (5, 914), (6, 932), (8, 959), (12, 1037),

Gene: Kinny_1 Start: 283, Stop: 627, Start Num: 2
Candidate Starts for Kinny_1:
(1, 277), (Start: 2 @283 has 5 MA's), (3, 334), (Start: 4 @385 has 6 MA's), (5, 394), (6, 412), (15, 604),

Gene: Lewando_1 Start: 283, Stop: 627, Start Num: 2
Candidate Starts for Lewando_1:
(1, 277), (Start: 2 @283 has 5 MA's), (3, 334), (Start: 4 @385 has 6 MA's), (5, 394), (6, 412), (15, 604),

Gene: Mardi_1 Start: 385, Stop: 636, Start Num: 4
Candidate Starts for Mardi_1:
(Start: 4 @385 has 6 MA's), (7, 424), (11, 493), (12, 529),

Gene: Navi1117_1 Start: 511, Stop: 759, Start Num: 4
Candidate Starts for Navi1117_1:
(Start: 4 @511 has 6 MA's), (7, 550), (12, 652), (13, 694),

Gene: Phaila_1 Start: 283, Stop: 633, Start Num: 2
Candidate Starts for Phaila_1:
(1, 277), (Start: 2 @283 has 5 MA's), (Start: 4 @385 has 6 MA's), (6, 412), (13, 568),

Gene: PoeMe_1 Start: 283, Stop: 633, Start Num: 2
Candidate Starts for PoeMe_1:
(1, 277), (Start: 2 @283 has 5 MA's), (Start: 4 @385 has 6 MA's), (6, 412), (13, 568),

Gene: Remlit_1 Start: 283, Stop: 624, Start Num: 2
Candidate Starts for Remlit_1:
(1, 277), (Start: 2 @283 has 5 MA's), (Start: 4 @385 has 6 MA's), (9, 445), (12, 517), (15, 601),

Gene: Renaldo_1 Start: 334, Stop: 627, Start Num: 3
Candidate Starts for Renaldo_1:
(1, 277), (Start: 2 @283 has 5 MA's), (3, 334), (Start: 4 @385 has 6 MA's), (5, 394), (6, 412), (15, 604),

Gene: Stardrop_1 Start: 385, Stop: 633, Start Num: 4
Candidate Starts for Stardrop_1:
(1, 277), (Start: 2 @283 has 5 MA's), (Start: 4 @385 has 6 MA's), (6, 412), (13, 568),

Gene: Sunny4976_2 Start: 932, Stop: 1144, Start Num: 6
Candidate Starts for Sunny4976_2:
(Start: 4 @905 has 6 MA's), (5, 914), (6, 932), (8, 959), (12, 1037),

Gene: Tenney120_1 Start: 385, Stop: 624, Start Num: 4
Candidate Starts for Tenney120_1:
(1, 277), (Start: 2 @283 has 5 MA's), (Start: 4 @385 has 6 MA's), (12, 517), (15, 601),

Gene: TrixiePhattel_1 Start: 385, Stop: 636, Start Num: 4
Candidate Starts for TrixiePhattel_1:
(Start: 4 @385 has 6 MA's), (7, 424), (11, 493), (12, 529), (13, 571),

Gene: Uzumaki_1 Start: 385, Stop: 624, Start Num: 4

Candidate Starts for Uzumaki_1:
(1, 277), (Start: 2 @283 has 5 MA's), (Start: 4 @385 has 6 MA's), (12, 517), (15, 601),

Gene: Zeina_1 Start: 283, Stop: 624, Start Num: 2
Candidate Starts for Zeina_1:
(1, 277), (Start: 2 @283 has 5 MA's), (Start: 4 @385 has 6 MA's), (6, 412), (12, 517), (14, 571),