Pham 348149


9
13
1: Paolo_62 + 1
6
9
10
14
15
20
2: Daudau_60
5
8
21
3: Pablito_58
9
12
14
4: Loofah_63 + 1
8
12
13
16
22
5: Hank144_63
2
9
11
13
17
6: Jevington_59
1
9
12
14
7: R4_60 + 1
9
11
13
8: Marav_61
2
9
12
13
18
9: Puginator_62
3
4
7
9
19
10: Itza_61 + 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 348149 Report

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

Pham number 348149 has 15 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Paolo_62, Zainub_62
• Track 2 : Daudau_60
• Track 3 : Pablito_58
• Track 4 : Loofah_63, Paedore_61
• Track 5 : Hank144_63
• Track 6 : Jevington_59
• Track 7 : R4_60, ELB20_59
• Track 8 : Marav_61
• Track 9 : Puginator_62
• Track 10 : Itza_61, Celia_58, Urza_60

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 12 of the 15 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Celia_58, ELB20_59, Itza_61, Jevington_59, Loofah_63, Marav_61, Paedore_61, Paolo_62, Puginator_62, R4_60, Urza_60, Zainub_62,

Genes that have the "Most Annotated" start but do not call it:
• Daudau_60,

Genes that do not have the "Most Annotated" start:
• Hank144_63, Pablito_58,

Summary by start number:

Start 6:
• Found in 1 of 15 (6.7%) of genes in pham
• Manual Annotations of this start: 1 of 15
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Daudau_60 (BD2),

Start 8:
• Found in 2 of 15 (13.3%) of genes in pham
• Manual Annotations of this start: 2 of 15
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Hank144_63 (BD2), Pablito_58 (BD2),

Start 9:
• Found in 13 of 15 (86.7%) of genes in pham
• Manual Annotations of this start: 12 of 15
• Called 92.3% of time when present
• Phage (with cluster) where this start called: Celia_58 (BD6), ELB20_59 (BD2), Itza_61 (BD6), Jevington_59 (BD2), Loofah_63 (BD2), Marav_61 (BD2), Paedore_61 (BD2), Paolo_62 (BD2), Puginator_62 (BD2), R4_60 (BD2), Urza_60 (BD6), Zainub_62 (BD2),

Summary by clusters:

There are 2 clusters represented in this pham: BD6, BD2,

Info for manual annotations of cluster BD2:
•Start number 6 was manually annotated 1 time for cluster BD2.
•Start number 8 was manually annotated 2 times for cluster BD2.
•Start number 9 was manually annotated 9 times for cluster BD2.

Info for manual annotations of cluster BD6:
•Start number 9 was manually annotated 3 times for cluster BD6.

Gene Information:

Gene: Celia_58 Start: 41279, Stop: 41085, Start Num: 9
Candidate Starts for Celia_58:
(3, 41375), (4, 41369), (7, 41285), (Start: 9 @41279 has 12 MA's), (19, 41144),

Gene: Daudau_60 Start: 41289, Stop: 41071, Start Num: 6
Candidate Starts for Daudau_60:
(Start: 6 @41289 has 1 MA's), (Start: 9 @41265 has 12 MA's), (10, 41256), (14, 41217), (15, 41211), (20, 41112),

Gene: ELB20_59 Start: 41605, Stop: 41411, Start Num: 9
Candidate Starts for ELB20_59:
(1, 41764), (Start: 9 @41605 has 12 MA's), (12, 41590), (14, 41557),

Gene: Hank144_63 Start: 42619, Stop: 42377, Start Num: 8
Candidate Starts for Hank144_63:
(Start: 8 @42619 has 2 MA's), (12, 42601), (13, 42595), (16, 42559), (22, 42412),

Gene: Itza_61 Start: 41212, Stop: 41018, Start Num: 9
Candidate Starts for Itza_61:
(3, 41308), (4, 41302), (7, 41218), (Start: 9 @41212 has 12 MA's), (19, 41077),

Gene: Jevington_59 Start: 40056, Stop: 39853, Start Num: 9

Candidate Starts for Jevington_59:
(2, 40200), (Start: 9 @40056 has 12 MA's), (11, 40044), (13, 40035), (17, 39990),

Gene: Loofah_63 Start: 42453, Stop: 42259, Start Num: 9
Candidate Starts for Loofah_63:
(Start: 9 @42453 has 12 MA's), (12, 42438), (14, 42405),

Gene: Marav_61 Start: 40579, Stop: 40376, Start Num: 9
Candidate Starts for Marav_61:
(Start: 9 @40579 has 12 MA's), (11, 40567), (13, 40558),

Gene: Pablito_58 Start: 40626, Stop: 40429, Start Num: 8
Candidate Starts for Pablito_58:
(5, 40647), (Start: 8 @40626 has 2 MA's), (21, 40446),

Gene: Paedore_61 Start: 42010, Stop: 41816, Start Num: 9
Candidate Starts for Paedore_61:
(Start: 9 @42010 has 12 MA's), (12, 41995), (14, 41962),

Gene: Paolo_62 Start: 41743, Stop: 41540, Start Num: 9
Candidate Starts for Paolo_62:
(Start: 9 @41743 has 12 MA's), (13, 41722),

Gene: Puginator_62 Start: 41789, Stop: 41586, Start Num: 9
Candidate Starts for Puginator_62:
(2, 41936), (Start: 9 @41789 has 12 MA's), (12, 41774), (13, 41768), (18, 41690),

Gene: R4_60 Start: 41765, Stop: 41571, Start Num: 9
Candidate Starts for R4_60:
(1, 41924), (Start: 9 @41765 has 12 MA's), (12, 41750), (14, 41717),

Gene: Urza_60 Start: 41233, Stop: 41039, Start Num: 9
Candidate Starts for Urza_60:
(3, 41329), (4, 41323), (7, 41239), (Start: 9 @41233 has 12 MA's), (19, 41098),

Gene: Zainub_62 Start: 41718, Stop: 41515, Start Num: 9
Candidate Starts for Zainub_62:
(Start: 9 @41718 has 12 MA's), (13, 41697),