Pham 170476

3
4
6
19
1: Herod_59 + 1
4
6
15
16
17
19
2: TimTam_61 + 3
1
2
6
16
19
3: Hyzer_67
3
6
4: Yeet412_53
6
8
12
13
18
19
20
5: Yeezy_58
6
8
11
14
6: BaxterFox_61
5
7
9
10
16
18
21
22
7: Kiko_57

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 170476 Report

This analysis was run 07/09/24 on database version 566.

Pham number 170476 has 11 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Herod_59, Hugley_57
• Track 2 : TimTam_61, Nymphadora_61, Eviarto_61, BatStarr_60
• Track 3 : Hyzer_67
• Track 4 : Yeet412_53
• Track 5 : Yeezy_58
• Track 6 : BaxterFox_61
• Track 7 : Kiko_57

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

The start number called the most often in the published annotations is 6, it was called in 8 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BatStarr_60, BaxterFox_61, Eviarto_61, Herod_59, Hugley_57, Hyzer_67, Nymphadora_61, TimTam_61, Yeet412_53, Yeezy_58,

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

Genes that do not have the "Most Annotated" start:
• Kiko_57,

Summary by start number:

Start 6:
• Found in 10 of 11 (90.9%) of genes in pham
• Manual Annotations of this start: 8 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BatStarr_60 (CZ1), BaxterFox_61 (CZ3), Eviarto_61 (CZ1), Herod_59 (CZ1), Hugley_57 (CZ1), Hyzer_67 (CZ1), Nymphadora_61 (CZ1), TimTam_61 (CZ1), Yeet412_53 (CZ2), Yeezy_58 (CZ3),

Start 7:

• Found in 1 of 11 (9.1%) of genes in pham
• Manual Annotations of this start: 1 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Kiko_57 (DB),

Summary by clusters:

There are 4 clusters represented in this pham: CZ2, CZ3, CZ1, DB,

Info for manual annotations of cluster CZ1:
•Start number 6 was manually annotated 5 times for cluster CZ1.

Info for manual annotations of cluster CZ2:
•Start number 6 was manually annotated 1 time for cluster CZ2.

Info for manual annotations of cluster CZ3:
•Start number 6 was manually annotated 2 times for cluster CZ3.

Info for manual annotations of cluster DB:
•Start number 7 was manually annotated 1 time for cluster DB.

Gene Information:

Gene: BatStarr_60 Start: 43289, Stop: 43663, Start Num: 6
Candidate Starts for BatStarr_60:
(4, 43220), (Start: 6 @43289 has 8 MA's), (15, 43535), (16, 43553), (17, 43565), (19, 43649),

Gene: BaxterFox_61 Start: 43046, Stop: 43417, Start Num: 6
Candidate Starts for BaxterFox_61:
(Start: 6 @43046 has 8 MA's), (8, 43115), (11, 43175), (14, 43244),

Gene: Eviarto_61 Start: 43264, Stop: 43638, Start Num: 6
Candidate Starts for Eviarto_61:
(4, 43195), (Start: 6 @43264 has 8 MA's), (15, 43510), (16, 43528), (17, 43540), (19, 43624),

Gene: Herod_59 Start: 43314, Stop: 43685, Start Num: 6
Candidate Starts for Herod_59:
(3, 43242), (4, 43245), (Start: 6 @43314 has 8 MA's), (19, 43671),

Gene: Hugley_57 Start: 43294, Stop: 43665, Start Num: 6
Candidate Starts for Hugley_57:
(3, 43222), (4, 43225), (Start: 6 @43294 has 8 MA's), (19, 43651),

Gene: Hyzer_67 Start: 45258, Stop: 45629, Start Num: 6
Candidate Starts for Hyzer_67:
(1, 45162), (2, 45180), (Start: 6 @45258 has 8 MA's), (16, 45522), (19, 45615),

Gene: Kiko_57 Start: 39215, Stop: 39607, Start Num: 7
Candidate Starts for Kiko_57:
(5, 39152), (Start: 7 @39215 has 1 MA's), (9, 39290), (10, 39329), (16, 39455), (18, 39491), (21, 39575), (22, 39590),

Gene: Nymphadora_61 Start: 43288, Stop: 43662, Start Num: 6
Candidate Starts for Nymphadora_61:
(4, 43219), (Start: 6 @43288 has 8 MA's), (15, 43534), (16, 43552), (17, 43564), (19, 43648),

Gene: TimTam_61 Start: 43288, Stop: 43662, Start Num: 6
Candidate Starts for TimTam_61:
(4, 43219), (Start: 6 @43288 has 8 MA's), (15, 43534), (16, 43552), (17, 43564), (19, 43648),

Gene: Yeet412_53 Start: 37992, Stop: 38363, Start Num: 6
Candidate Starts for Yeet412_53:
(3, 37920), (Start: 6 @37992 has 8 MA's),

Gene: Yeezy_58 Start: 40212, Stop: 40589, Start Num: 6
Candidate Starts for Yeezy_58:
(Start: 6 @40212 has 8 MA's), (8, 40281), (12, 40407), (13, 40410), (19, 40572), (20, 40575),