Pham 4163

1: Boohoo_72 + 4

2: MinecraftSteve_72 + 10

3: Battleship_74

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 4163 Report

This analysis was run 04/05/24 on database version 557.

Pham number 4163 has 17 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Boohoo_72, LastResort_70, Looper_71, Switzerland_71, JSwag_71
• Track 2 : MinecraftSteve_72, ShayRa_72, Soups_72, Waits_72, DekHockey33_73, Remus_72, Strosahl_72, Anaysia_72, Rosalind_70, KatherineG_72, ReMo_70
• Track 3 : Battleship_74

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

The start number called the most often in the published annotations is 2, it was called in 12 of the 17 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Anaysia_72, Battleship_74, DekHockey33_73, KatherineG_72, MinecraftSteve_72, ReMo_70, Remus_72, Rosalind_70, ShayRa_72, Soups_72, Strosahl_72, Waits_72,

Genes that have the "Most Annotated" start but do not call it:
• Boohoo_72, JSwag_71, LastResort_70, Looper_71, Switzerland_71,

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

Summary by start number:

Start 2:
• Found in 17 of 17 (100.0%) of genes in pham
• Manual Annotations of this start: 12 of 17
• Called 70.6% of time when present
• Phage (with cluster) where this start called: Anaysia_72 (A15), Battleship_74 (A15), DekHockey33_73 (A15), KatherineG_72 (A15), MinecraftSteve_72 (A15), ReMo_70 (A15), Remus_72 (A15), Rosalind_70 (A15), ShayRa_72 (A15), Soups_72 (A15), Strosahl_72 (A15), Waits_72 (A15),

Start 3:
• Found in 17 of 17 (100.0%) of genes in pham
• Manual Annotations of this start: 5 of 17

• Called 29.4% of time when present
• Phage (with cluster) where this start called: Boohoo_72 (A15), JSwag_71 (A15), LastResort_70 (A15), Looper_71 (A15), Switzerland_71 (A15),

Summary by clusters:

There is one cluster represented in this pham: A15

Info for manual annotations of cluster A15:
•Start number 2 was manually annotated 12 times for cluster A15.
•Start number 3 was manually annotated 5 times for cluster A15.

Gene Information:

Gene: Anaysia_72 Start: 40203, Stop: 40105, Start Num: 2
Candidate Starts for Anaysia_72:
(Start: 2 @40203 has 12 MA's), (Start: 3 @40200 has 5 MA's), (4, 40167), (5, 40149),

Gene: Battleship_74 Start: 40409, Stop: 40311, Start Num: 2
Candidate Starts for Battleship_74:
(1, 40595), (Start: 2 @40409 has 12 MA's), (Start: 3 @40406 has 5 MA's), (4, 40373), (5, 40355),

Gene: Boohoo_72 Start: 40200, Stop: 40105, Start Num: 3
Candidate Starts for Boohoo_72:
(Start: 2 @40203 has 12 MA's), (Start: 3 @40200 has 5 MA's), (4, 40167), (5, 40149),

Gene: DekHockey33_73 Start: 40495, Stop: 40397, Start Num: 2
Candidate Starts for DekHockey33_73:
(Start: 2 @40495 has 12 MA's), (Start: 3 @40492 has 5 MA's), (4, 40459), (5, 40441),

Gene: JSwag_71 Start: 39924, Stop: 39829, Start Num: 3
Candidate Starts for JSwag_71:
(Start: 2 @39927 has 12 MA's), (Start: 3 @39924 has 5 MA's), (4, 39891), (5, 39873),

Gene: KatherineG_72 Start: 40400, Stop: 40302, Start Num: 2
Candidate Starts for KatherineG_72:
(Start: 2 @40400 has 12 MA's), (Start: 3 @40397 has 5 MA's), (4, 40364), (5, 40346),

Gene: LastResort_70 Start: 39976, Stop: 39881, Start Num: 3
Candidate Starts for LastResort_70:
(Start: 2 @39979 has 12 MA's), (Start: 3 @39976 has 5 MA's), (4, 39943), (5, 39925),

Gene: Looper_71 Start: 39888, Stop: 39793, Start Num: 3
Candidate Starts for Looper_71:
(Start: 2 @39891 has 12 MA's), (Start: 3 @39888 has 5 MA's), (4, 39855), (5, 39837),

Gene: MinecraftSteve_72 Start: 40215, Stop: 40117, Start Num: 2
Candidate Starts for MinecraftSteve_72:
(Start: 2 @40215 has 12 MA's), (Start: 3 @40212 has 5 MA's), (4, 40179), (5, 40161),

Gene: ReMo_70 Start: 39976, Stop: 39878, Start Num: 2

Candidate Starts for ReMo_70:
(Start: 2 @39976 has 12 MA's), (Start: 3 @39973 has 5 MA's), (4, 39940), (5, 39922),

Gene: Remus_72 Start: 39967, Stop: 39869, Start Num: 2
Candidate Starts for Remus_72:
(Start: 2 @39967 has 12 MA's), (Start: 3 @39964 has 5 MA's), (4, 39931), (5, 39913),

Gene: Rosalind_70 Start: 40134, Stop: 40036, Start Num: 2
Candidate Starts for Rosalind_70:
(Start: 2 @40134 has 12 MA's), (Start: 3 @40131 has 5 MA's), (4, 40098), (5, 40080),

Gene: ShayRa_72 Start: 40163, Stop: 40065, Start Num: 2
Candidate Starts for ShayRa_72:
(Start: 2 @40163 has 12 MA's), (Start: 3 @40160 has 5 MA's), (4, 40127), (5, 40109),

Gene: Soups_72 Start: 40426, Stop: 40328, Start Num: 2
Candidate Starts for Soups_72:
(Start: 2 @40426 has 12 MA's), (Start: 3 @40423 has 5 MA's), (4, 40390), (5, 40372),

Gene: Strosahl_72 Start: 39967, Stop: 39869, Start Num: 2
Candidate Starts for Strosahl_72:
(Start: 2 @39967 has 12 MA's), (Start: 3 @39964 has 5 MA's), (4, 39931), (5, 39913),

Gene: Switzerland_71 Start: 40299, Stop: 40204, Start Num: 3
Candidate Starts for Switzerland_71:
(Start: 2 @40302 has 12 MA's), (Start: 3 @40299 has 5 MA's), (4, 40266), (5, 40248),

Gene: Waits_72 Start: 40199, Stop: 40101, Start Num: 2
Candidate Starts for Waits_72:
(Start: 2 @40199 has 12 MA's), (Start: 3 @40196 has 5 MA's), (4, 40163), (5, 40145),