Pham 3797

1: Anaysia_45 + 9

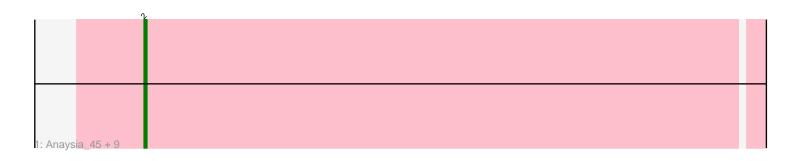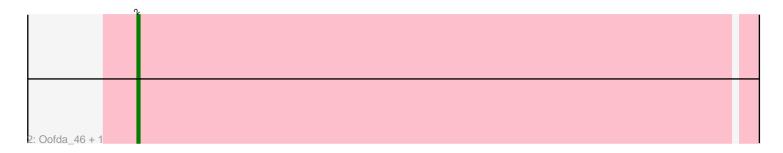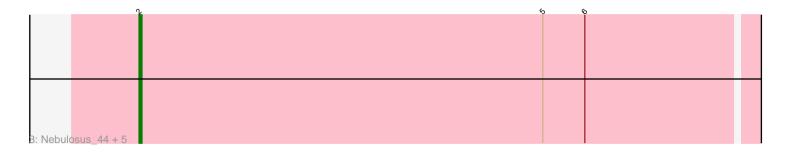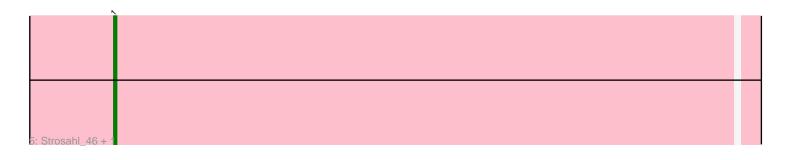2: Oofda_46 + 1

3: Nebulosus_44 + 5

4: Nedarya_42

5: Strosahl_46 + 1

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 3797 Report

This analysis was run 04/28/24 on database version 559.

Pham number 3797 has 21 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Anaysia_45, ShayRa_46, Boohoo_45, Switzerland_45, Battleship_46, DekHockey33_45, Soups_45, JSwag_44, MinecraftSteve_46, KatherineG_46
• Track 2 : Oofda_46, Waits_45
• Track 3 : Nebulosus_44, ReMo_44, Looper_45, Rosalind_44, Epsocamisio_44, LastResort_44
• Track 4 : Nedarya_42
• Track 5 : Strosahl_46, Remus_46

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 17 of the 20 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Anaysia_45, Battleship_46, Boohoo_45, DekHockey33_45, Epsocamisio_44, JSwag_44, KatherineG_46, LastResort_44, Looper_45, MinecraftSteve_46, Nebulosus_44, Oofda_46, ReMo_44, Rosalind_44, ShayRa_46, Soups_45, Switzerland_45, Waits_45,

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

Genes that do not have the "Most Annotated" start:
• Nedarya_42, Remus_46, Strosahl_46,

Summary by start number:

Start 1:
• Found in 3 of 21 (14.3%) of genes in pham
• Manual Annotations of this start: 3 of 20
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Nedarya_42 (A15), Remus_46 (A15), Strosahl_46 (A15),

Start 2:
• Found in 18 of 21 (85.7%) of genes in pham
• Manual Annotations of this start: 17 of 20
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Anaysia_45 (A15), Battleship_46 (A15), Boohoo_45 (A15), DekHockey33_45 (A15), Epsocamisio_44 (A15), JSwag_44 (A15), KatherineG_46 (A15), LastResort_44 (A15), Looper_45 (A15), MinecraftSteve_46 (A15), Nebulosus_44 (A15), Oofda_46 (A15), ReMo_44 (A15), Rosalind_44 (A15), ShayRa_46 (A15), Soups_45 (A15), Switzerland_45 (A15), Waits_45 (A15),

Summary by clusters:

There is one cluster represented in this pham: A15

Info for manual annotations of cluster A15:
•Start number 1 was manually annotated 3 times for cluster A15.
•Start number 2 was manually annotated 17 times for cluster A15.

Gene Information:
Gene: Anaysia_45 Start: 27711, Stop: 27487, Start Num: 2
Candidate Starts for Anaysia_45:
(Start: 2 @27711 has 17 MA's),

Gene: Battleship_46 Start: 27680, Stop: 27456, Start Num: 2
Candidate Starts for Battleship_46:
(Start: 2 @27680 has 17 MA's),

Gene: Boohoo_45 Start: 27711, Stop: 27487, Start Num: 2
Candidate Starts for Boohoo_45:
(Start: 2 @27711 has 17 MA's),

Gene: DekHockey33_45 Start: 27926, Stop: 27702, Start Num: 2
Candidate Starts for DekHockey33_45:
(Start: 2 @27926 has 17 MA's),

Gene: Epsocamisio_44 Start: 27485, Stop: 27261, Start Num: 2
Candidate Starts for Epsocamisio_44:
(Start: 2 @27485 has 17 MA's), (5, 27341), (6, 27326),

Gene: JSwag_44 Start: 27423, Stop: 27199, Start Num: 2
Candidate Starts for JSwag_44:
(Start: 2 @27423 has 17 MA's),

Gene: KatherineG_46 Start: 27926, Stop: 27702, Start Num: 2
Candidate Starts for KatherineG_46:
(Start: 2 @27926 has 17 MA's),

Gene: LastResort_44 Start: 27487, Stop: 27263, Start Num: 2
Candidate Starts for LastResort_44:
(Start: 2 @27487 has 17 MA's), (5, 27343), (6, 27328),

Gene: Looper_45 Start: 27464, Stop: 27240, Start Num: 2
Candidate Starts for Looper_45:
(Start: 2 @27464 has 17 MA's), (5, 27320), (6, 27305),

Gene: MinecraftSteve_46 Start: 27687, Stop: 27463, Start Num: 2
Candidate Starts for MinecraftSteve_46:
(Start: 2 @27687 has 17 MA's),

Gene: Nebulosus_44 Start: 27483, Stop: 27259, Start Num: 2
Candidate Starts for Nebulosus_44:
(Start: 2 @27483 has 17 MA's), (5, 27339), (6, 27324),

Gene: Nedarya_42 Start: 27702, Stop: 27466, Start Num: 1
Candidate Starts for Nedarya_42:
(Start: 1 @27702 has 3 MA's), (3, 27687), (4, 27555), (7, 27501),

Gene: Oofda_46 Start: 27582, Stop: 27358, Start Num: 2
Candidate Starts for Oofda_46:
(Start: 2 @27582 has 17 MA's),

Gene: ReMo_44 Start: 27484, Stop: 27260, Start Num: 2
Candidate Starts for ReMo_44:
(Start: 2 @27484 has 17 MA's), (5, 27340), (6, 27325),

Gene: Remus_46 Start: 27855, Stop: 27622, Start Num: 1
Candidate Starts for Remus_46:
(Start: 1 @27855 has 3 MA's),

Gene: Rosalind_44 Start: 27606, Stop: 27382, Start Num: 2
Candidate Starts for Rosalind_44:
(Start: 2 @27606 has 17 MA's), (5, 27462), (6, 27447),

Gene: ShayRa_46 Start: 27688, Stop: 27464, Start Num: 2
Candidate Starts for ShayRa_46:
(Start: 2 @27688 has 17 MA's),

Gene: Soups_45 Start: 27687, Stop: 27463, Start Num: 2
Candidate Starts for Soups_45:
(Start: 2 @27687 has 17 MA's),

Gene: Strosahl_46 Start: 27855, Stop: 27622, Start Num: 1
Candidate Starts for Strosahl_46:
(Start: 1 @27855 has 3 MA's),

Gene: Switzerland_45 Start: 27786, Stop: 27562, Start Num: 2
Candidate Starts for Switzerland_45:
(Start: 2 @27786 has 17 MA's),

Gene: Waits_45 Start: 27579, Stop: 27355, Start Num: 2
Candidate Starts for Waits_45:
(Start: 2 @27579 has 17 MA's),