Pham 4060

1: Nebulosus_54 + 4

2: ShayRa_56 + 4

3: Anaysia_55 + 2

4: Switzerland_55 + 1

5: DekHockey33_55 + 3

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 4060 Report

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

Pham number 4060 has 19 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Nebulosus_54, Boohoo_55, LastResort_54, Looper_55, ReMo_54
• Track 2 : ShayRa_56, Strosahl_55, Rosalind_54, Remus_55, Waits_55
• Track 3 : Anaysia_55, JSwag_54, Epsocamisio_53
• Track 4 : Switzerland_55, MinecraftSteve_56
• Track 5 : DekHockey33_55, Battleship_57, Soups_56, KatherineG_56

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

The start number called the most often in the published annotations is 1, it was called in 12 of the 19 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Anaysia_55, Battleship_57, DekHockey33_55, Epsocamisio_53, JSwag_54, KatherineG_56, Remus_55, Rosalind_54, ShayRa_56, Soups_56, Strosahl_55, Waits_55,

Genes that have the "Most Annotated" start but do not call it:
• Boohoo_55, LastResort_54, Looper_55, MinecraftSteve_56, Nebulosus_54, ReMo_54, Switzerland_55,

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

Summary by start number:

Start 1:
• Found in 19 of 19 (100.0%) of genes in pham
• Manual Annotations of this start: 12 of 19
• Called 63.2% of time when present
• Phage (with cluster) where this start called: Anaysia_55 (A15), Battleship_57 (A15), DekHockey33_55 (A15), Epsocamisio_53 (A15), JSwag_54 (A15), KatherineG_56 (A15), Remus_55 (A15), Rosalind_54 (A15), ShayRa_56 (A15), Soups_56 (A15), Strosahl_55 (A15), Waits_55 (A15),

Start 2:
• Found in 14 of 19 (73.7%) of genes in pham
• Manual Annotations of this start: 7 of 19
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Boohoo_55 (A15), LastResort_54 (A15), Looper_55 (A15), MinecraftSteve_56 (A15), Nebulosus_54 (A15), ReMo_54 (A15), Switzerland_55 (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 12 times for cluster A15.
•Start number 2 was manually annotated 7 times for cluster A15.

Gene Information:

Gene: Anaysia_55 Start: 32871, Stop: 32755, Start Num: 1
Candidate Starts for Anaysia_55:
(Start: 1 @32871 has 12 MA's), (Start: 2 @32859 has 7 MA's), (3, 32850), (4, 32805),

Gene: Battleship_57 Start: 33142, Stop: 33026, Start Num: 1
Candidate Starts for Battleship_57:
(Start: 1 @33142 has 12 MA's), (Start: 2 @33130 has 7 MA's), (3, 33121),

Gene: Boohoo_55 Start: 32859, Stop: 32755, Start Num: 2
Candidate Starts for Boohoo_55:
(Start: 1 @32871 has 12 MA's), (Start: 2 @32859 has 7 MA's), (3, 32850), (4, 32805),

Gene: DekHockey33_55 Start: 33163, Stop: 33047, Start Num: 1
Candidate Starts for DekHockey33_55:
(Start: 1 @33163 has 12 MA's), (Start: 2 @33151 has 7 MA's), (3, 33142),

Gene: Epsocamisio_53 Start: 32406, Stop: 32290, Start Num: 1
Candidate Starts for Epsocamisio_53:
(Start: 1 @32406 has 12 MA's), (Start: 2 @32394 has 7 MA's), (3, 32385), (4, 32340),

Gene: JSwag_54 Start: 32595, Stop: 32479, Start Num: 1
Candidate Starts for JSwag_54:
(Start: 1 @32595 has 12 MA's), (Start: 2 @32583 has 7 MA's), (3, 32574), (4, 32529),

Gene: KatherineG_56 Start: 33133, Stop: 33017, Start Num: 1
Candidate Starts for KatherineG_56:
(Start: 1 @33133 has 12 MA's), (Start: 2 @33121 has 7 MA's), (3, 33112),

Gene: LastResort_54 Start: 32635, Stop: 32531, Start Num: 2
Candidate Starts for LastResort_54:
(Start: 1 @32647 has 12 MA's), (Start: 2 @32635 has 7 MA's), (3, 32626), (4, 32581),

Gene: Looper_55 Start: 32612, Stop: 32508, Start Num: 2

Candidate Starts for Looper_55:
(Start: 1 @32624 has 12 MA's), (Start: 2 @32612 has 7 MA's), (3, 32603), (4, 32558),

Gene: MinecraftSteve_56 Start: 32921, Stop: 32817, Start Num: 2
Candidate Starts for MinecraftSteve_56:
(Start: 1 @32933 has 12 MA's), (Start: 2 @32921 has 7 MA's), (3, 32912),

Gene: Nebulosus_54 Start: 32631, Stop: 32527, Start Num: 2
Candidate Starts for Nebulosus_54:
(Start: 1 @32643 has 12 MA's), (Start: 2 @32631 has 7 MA's), (3, 32622), (4, 32577),

Gene: ReMo_54 Start: 32632, Stop: 32528, Start Num: 2
Candidate Starts for ReMo_54:
(Start: 1 @32644 has 12 MA's), (Start: 2 @32632 has 7 MA's), (3, 32623), (4, 32578),

Gene: Remus_55 Start: 32554, Stop: 32441, Start Num: 1
Candidate Starts for Remus_55:
(Start: 1 @32554 has 12 MA's),

Gene: Rosalind_54 Start: 32852, Stop: 32739, Start Num: 1
Candidate Starts for Rosalind_54:
(Start: 1 @32852 has 12 MA's),

Gene: ShayRa_56 Start: 32896, Stop: 32783, Start Num: 1
Candidate Starts for ShayRa_56:
(Start: 1 @32896 has 12 MA's),

Gene: Soups_56 Start: 33135, Stop: 33019, Start Num: 1
Candidate Starts for Soups_56:
(Start: 1 @33135 has 12 MA's), (Start: 2 @33123 has 7 MA's), (3, 33114),

Gene: Strosahl_55 Start: 32554, Stop: 32441, Start Num: 1
Candidate Starts for Strosahl_55:
(Start: 1 @32554 has 12 MA's),

Gene: Switzerland_55 Start: 33023, Stop: 32919, Start Num: 2
Candidate Starts for Switzerland_55:
(Start: 1 @33035 has 12 MA's), (Start: 2 @33023 has 7 MA's), (3, 33014),

Gene: Waits_55 Start: 32762, Stop: 32649, Start Num: 1
Candidate Starts for Waits_55:
(Start: 1 @32762 has 12 MA's),