Pham 289706

1: Epsocamisio_42 + 3

2: Anon_41

3: Waits_43 + 2

4: Boohoo_43 + 1

5: LastResort_42 + 1

6: Switzerland_43

7: Elle_41

8: Soups_43 + 4

9: JSwag_42

10: MinecraftSteve_44

11: Warrior24_44 + 1

12: Nedarya_41

13: Ravana_45
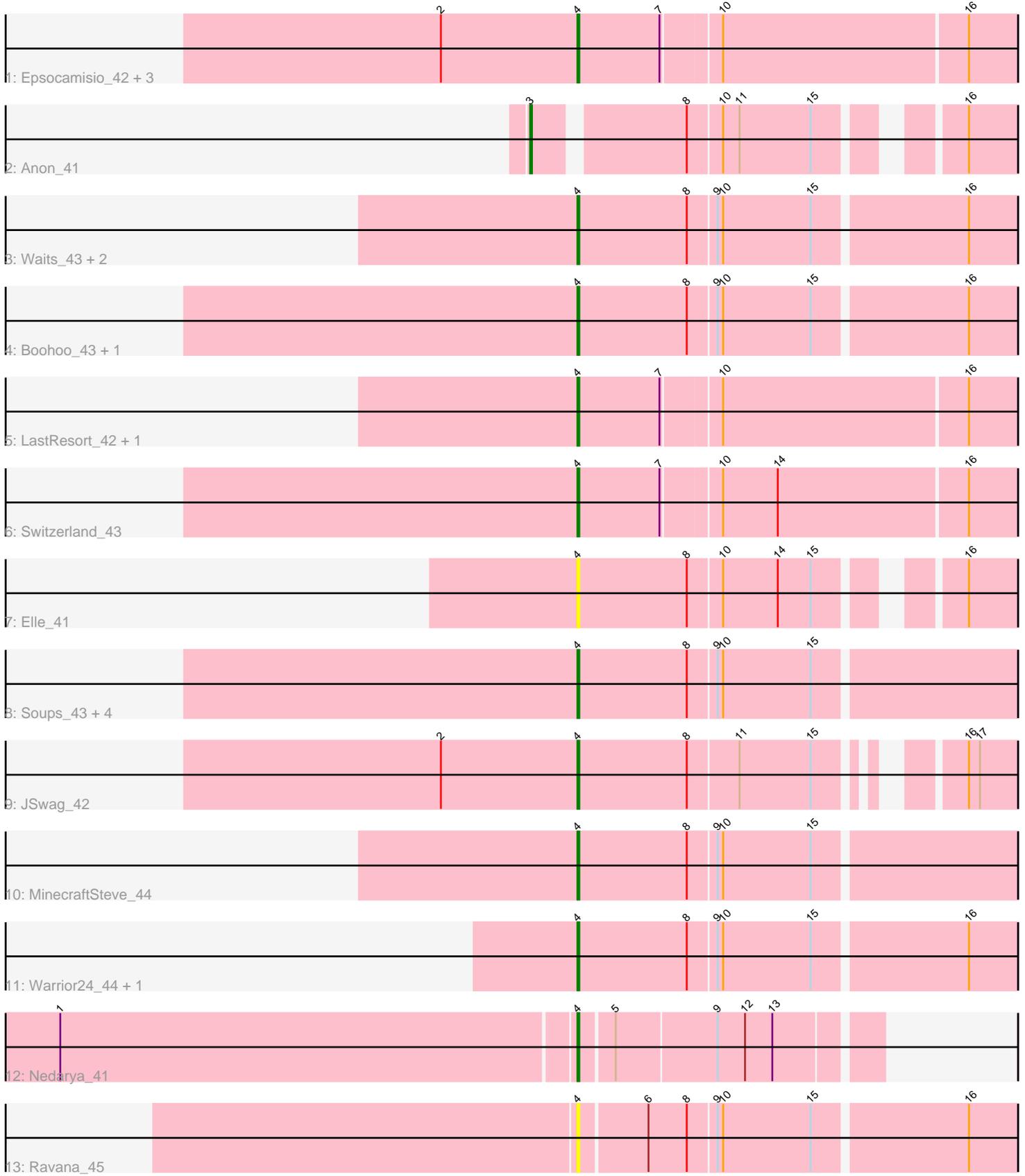
Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly 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 289706 Report

This analysis was run 03/28/26 on database version 641.

Pham number 289706 has 25 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Epsocamisio_42, Nebulosus_42, Rosalind_42, Looper_43
• Track 2 : Anon_41
• Track 3 : Waits_43, Remus_44, Strosahl_44
• Track 4 : Boohoo_43, Anaysia_43
• Track 5 : LastResort_42, ReMo_42
• Track 6 : Switzerland_43
• Track 7 : Elle_41
• Track 8 : Soups_43, KatherineG_44, ShayRa_44, Battleship_44, DekHockey33_43
• Track 9 : JSwag_42
• Track 10 : MinecraftSteve_44
• Track 11 : Warrior24_44, Oofda_43
• Track 12 : Nedarya_41
• Track 13 : Ravana_45

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

The start number called the most often in the published annotations is 4, it was called in 22 of the 23 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Anaysia_43, Battleship_44, Boohoo_43, DekHockey33_43, Elle_41, Epsocamisio_42, JSwag_42, KatherineG_44, LastResort_42, Looper_43, MinecraftSteve_44, Nebulosus_42, Nedarya_41, Oofda_43, Ravana_45, ReMo_42, Remus_44, Rosalind_42, ShayRa_44, Soups_43, Strosahl_44, Switzerland_43, Waits_43, Warrior24_44,

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

Genes that do not have the "Most Annotated" start:
• Anon_41,

Summary by start number:

Start 3:
• Found in 1 of 25 (4.0%) of genes in pham
• Manual Annotations of this start: 1 of 23
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Anon_41 (A15),

Start 4:
• Found in 24 of 25 (96.0%) of genes in pham
• Manual Annotations of this start: 22 of 23
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Anaysia_43 (A15), Battleship_44 (A15), Boohoo_43 (A15), DekHockey33_43 (A15), Elle_41 (A15), Epsocamisio_42 (A15), JSwag_42 (A15), KatherineG_44 (A15), LastResort_42 (A15), Looper_43 (A15), MinecraftSteve_44 (A15), Nebulosus_42 (A15), Nedarya_41 (A15), Oofda_43 (A15), Ravana_45 (A15), ReMo_42 (A15), Remus_44 (A15), Rosalind_42 (A15), ShayRa_44 (A15), Soups_43 (A15), Strosahl_44 (A15), Switzerland_43 (A15), Waits_43 (A15), Warrior24_44 (A15),

Summary by clusters:

There is one cluster represented in this pham: A15

Info for manual annotations of cluster A15:
•Start number 3 was manually annotated 1 time for cluster A15.
•Start number 4 was manually annotated 22 times for cluster A15.

Gene Information:

Gene: Anaysia_43 Start: 27246, Stop: 27013, Start Num: 4
Candidate Starts for Anaysia_43:
(Start: 4 @27246 has 22 MA's), (8, 27186), (9, 27171), (10, 27168), (15, 27120), (16, 27039),

Gene: Anon_41 Start: 27208, Stop: 26981, Start Num: 3
Candidate Starts for Anon_41:
(Start: 3 @27208 has 1 MA's), (8, 27133), (10, 27115), (11, 27106), (15, 27067), (16, 27007),

Gene: Battleship_44 Start: 27215, Stop: 26982, Start Num: 4
Candidate Starts for Battleship_44:
(Start: 4 @27215 has 22 MA's), (8, 27155), (9, 27140), (10, 27137), (15, 27089),

Gene: Boohoo_43 Start: 27246, Stop: 27013, Start Num: 4
Candidate Starts for Boohoo_43:
(Start: 4 @27246 has 22 MA's), (8, 27186), (9, 27171), (10, 27168), (15, 27120), (16, 27039),

Gene: DekHockey33_43 Start: 27461, Stop: 27228, Start Num: 4
Candidate Starts for DekHockey33_43:
(Start: 4 @27461 has 22 MA's), (8, 27401), (9, 27386), (10, 27383), (15, 27335),

Gene: Elle_41 Start: 26373, Stop: 26161, Start Num: 4
Candidate Starts for Elle_41:
(Start: 4 @26373 has 22 MA's), (8, 26313), (10, 26295), (14, 26265), (15, 26247), (16, 26187),

Gene: Epsocamisio_42 Start: 27020, Stop: 26787, Start Num: 4
Candidate Starts for Epsocamisio_42:
(2, 27095), (Start: 4 @27020 has 22 MA's), (7, 26975), (10, 26945), (16, 26813),

Gene: JSwag_42 Start: 26958, Stop: 26752, Start Num: 4
Candidate Starts for JSwag_42:
(2, 27033), (Start: 4 @26958 has 22 MA's), (8, 26898), (11, 26871), (15, 26832), (16, 26778), (17, 26772),

Gene: KatherineG_44 Start: 27461, Stop: 27228, Start Num: 4
Candidate Starts for KatherineG_44:
(Start: 4 @27461 has 22 MA's), (8, 27401), (9, 27386), (10, 27383), (15, 27335),

Gene: LastResort_42 Start: 27022, Stop: 26789, Start Num: 4
Candidate Starts for LastResort_42:
(Start: 4 @27022 has 22 MA's), (7, 26977), (10, 26947), (16, 26815),

Gene: Looper_43 Start: 26999, Stop: 26766, Start Num: 4
Candidate Starts for Looper_43:
(2, 27074), (Start: 4 @26999 has 22 MA's), (7, 26954), (10, 26924), (16, 26792),

Gene: MinecraftSteve_44 Start: 27222, Stop: 26989, Start Num: 4
Candidate Starts for MinecraftSteve_44:
(Start: 4 @27222 has 22 MA's), (8, 27162), (9, 27147), (10, 27144), (15, 27096),

Gene: Nebulosus_42 Start: 27018, Stop: 26785, Start Num: 4
Candidate Starts for Nebulosus_42:
(2, 27093), (Start: 4 @27018 has 22 MA's), (7, 26973), (10, 26943), (16, 26811),

Gene: Nedarya_41 Start: 27466, Stop: 27311, Start Num: 4
Candidate Starts for Nedarya_41:
(1, 27745), (Start: 4 @27466 has 22 MA's), (5, 27448), (9, 27394), (12, 27379), (13, 27364),

Gene: Oofda_43 Start: 27117, Stop: 26884, Start Num: 4
Candidate Starts for Oofda_43:
(Start: 4 @27117 has 22 MA's), (8, 27057), (9, 27042), (10, 27039), (15, 26991), (16, 26910),

Gene: Ravana_45 Start: 27345, Stop: 27115, Start Num: 4
Candidate Starts for Ravana_45:
(Start: 4 @27345 has 22 MA's), (6, 27309), (8, 27288), (9, 27273), (10, 27270), (15, 27222), (16, 27141),

Gene: ReMo_42 Start: 27019, Stop: 26786, Start Num: 4
Candidate Starts for ReMo_42:
(Start: 4 @27019 has 22 MA's), (7, 26974), (10, 26944), (16, 26812),

Gene: Remus_44 Start: 27381, Stop: 27148, Start Num: 4
Candidate Starts for Remus_44:
(Start: 4 @27381 has 22 MA's), (8, 27321), (9, 27306), (10, 27303), (15, 27255), (16, 27174),

Gene: Rosalind_42 Start: 27141, Stop: 26908, Start Num: 4
Candidate Starts for Rosalind_42:

(2, 27216), (Start: 4 @27141 has 22 MA's), (7, 27096), (10, 27066), (16, 26934),

Gene: ShayRa_44 Start: 27223, Stop: 26990, Start Num: 4
Candidate Starts for ShayRa_44:
(Start: 4 @27223 has 22 MA's), (8, 27163), (9, 27148), (10, 27145), (15, 27097),

Gene: Soups_43 Start: 27222, Stop: 26989, Start Num: 4
Candidate Starts for Soups_43:
(Start: 4 @27222 has 22 MA's), (8, 27162), (9, 27147), (10, 27144), (15, 27096),

Gene: Strosahl_44 Start: 27381, Stop: 27148, Start Num: 4
Candidate Starts for Strosahl_44:
(Start: 4 @27381 has 22 MA's), (8, 27321), (9, 27306), (10, 27303), (15, 27255), (16, 27174),

Gene: Switzerland_43 Start: 27321, Stop: 27088, Start Num: 4
Candidate Starts for Switzerland_43:
(Start: 4 @27321 has 22 MA's), (7, 27276), (10, 27246), (14, 27216), (16, 27114),

Gene: Waits_43 Start: 27114, Stop: 26881, Start Num: 4
Candidate Starts for Waits_43:
(Start: 4 @27114 has 22 MA's), (8, 27054), (9, 27039), (10, 27036), (15, 26988), (16, 26907),

Gene: Warrior24_44 Start: 27301, Stop: 27068, Start Num: 4
Candidate Starts for Warrior24_44:
(Start: 4 @27301 has 22 MA's), (8, 27241), (9, 27226), (10, 27223), (15, 27175), (16, 27094),