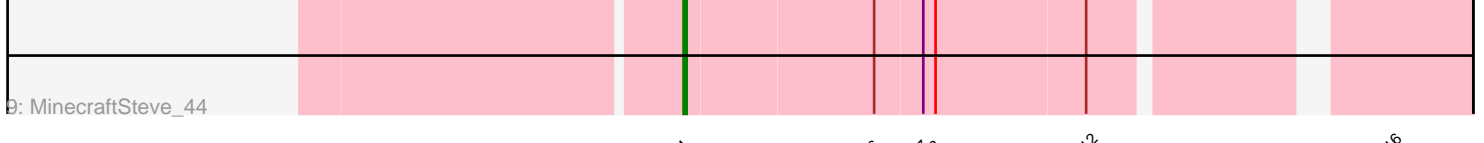
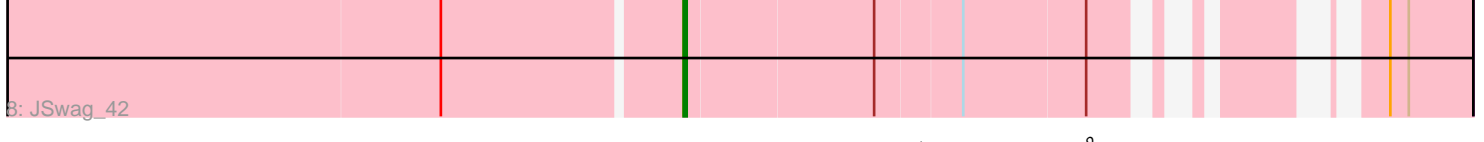
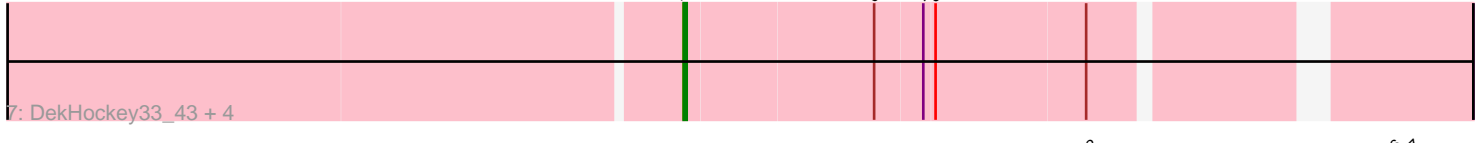
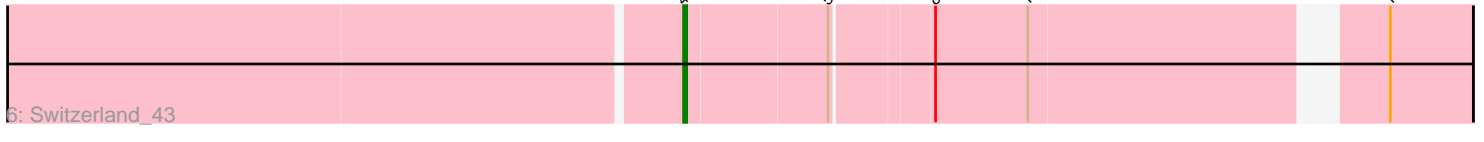
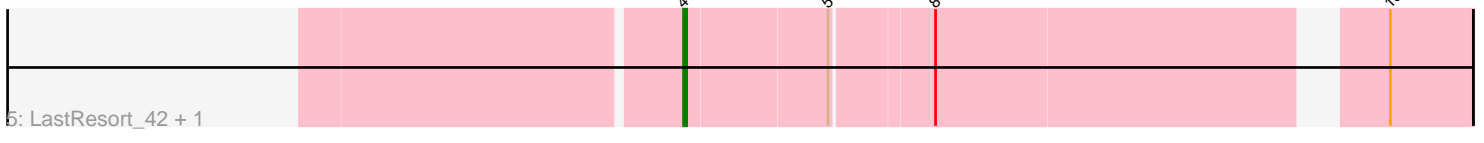
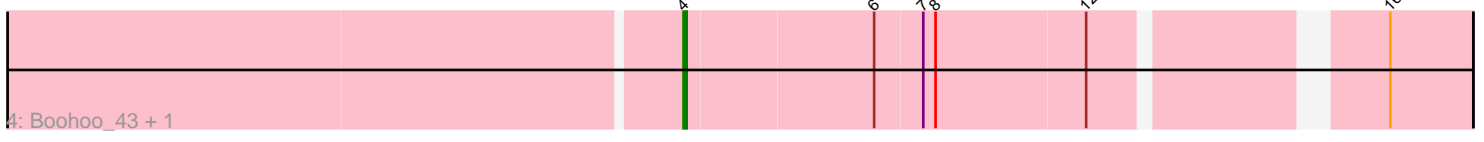
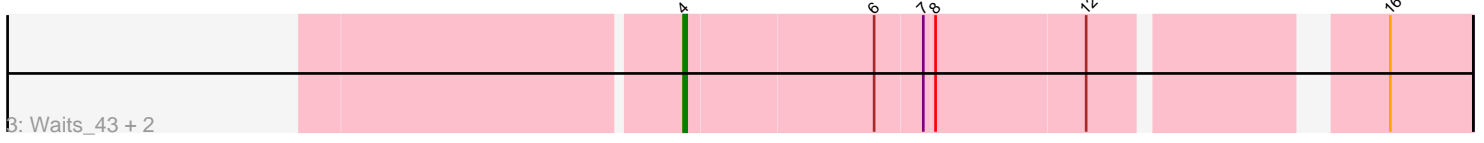
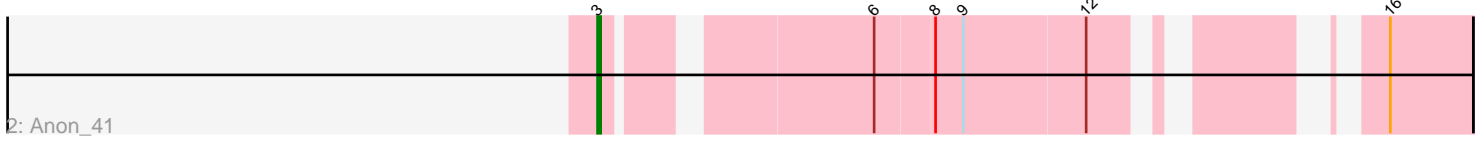
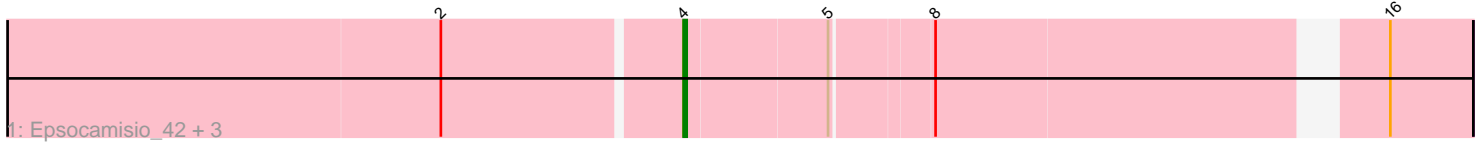


Pham 223407



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 223407 Report

This analysis was run 03/28/25 on database version 593.

Pham number 223407 has 23 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 : DekHockey33_43, Soups_43, KatherineG_44, ShayRa_44, Battleship_44
- Track 8 : JSwag_42
- Track 9 : MinecraftSteve_44
- Track 10 : Warrior24_45, Oofda_44
- Track 11 : Nedarya_41

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 19 of the 21 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Anaysia_43, Battleship_44, Boohoo_43, DekHockey33_43, Epsocamisio_42, JSwag_42, KatherineG_44, LastResort_42, Looper_43, MinecraftSteve_44, Nebulosus_42, Oofda_44, ReMo_42, Remus_44, Rosalind_42, ShayRa_44, Soups_43, Strosahl_44, Switzerland_43, Waits_43, Warrior24_45,

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

-

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

- Anon_41, Nedarya_41,

Summary by start number:

Start 3:

- Found in 1 of 23 (4.3%) of genes in pham
- Manual Annotations of this start: 1 of 21

- Called 100.0% of time when present
- Phage (with cluster) where this start called: Anon_41 (A15),

Start 4:

- Found in 21 of 23 (91.3%) of genes in pham
- Manual Annotations of this start: 19 of 21
- 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), Epsocamisio_42 (A15), JSwag_42 (A15), KatherineG_44 (A15), LastResort_42 (A15), Looper_43 (A15), MinecraftSteve_44 (A15), Nebulosus_42 (A15), Oofda_44 (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_45 (A15),

Start 10:

- Found in 1 of 23 (4.3%) of genes in pham
- Manual Annotations of this start: 1 of 21
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Nedarya_41 (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 19 times for cluster A15.
- Start number 10 was manually annotated 1 time for cluster A15.

Gene Information:

Gene: Anaysia_43 Start: 27246, Stop: 27013, Start Num: 4

Candidate Starts for Anaysia_43:

(Start: 4 @27246 has 19 MA's), (6, 27186), (7, 27171), (8, 27168), (12, 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), (6, 27133), (8, 27115), (9, 27106), (12, 27067), (16, 27007),

Gene: Battleship_44 Start: 27215, Stop: 26982, Start Num: 4

Candidate Starts for Battleship_44:

(Start: 4 @27215 has 19 MA's), (6, 27155), (7, 27140), (8, 27137), (12, 27089),

Gene: Boohoo_43 Start: 27246, Stop: 27013, Start Num: 4

Candidate Starts for Boohoo_43:

(Start: 4 @27246 has 19 MA's), (6, 27186), (7, 27171), (8, 27168), (12, 27120), (16, 27039),

Gene: DekHockey33_43 Start: 27461, Stop: 27228, Start Num: 4

Candidate Starts for DekHockey33_43:

(Start: 4 @27461 has 19 MA's), (6, 27401), (7, 27386), (8, 27383), (12, 27335),

Gene: Epsocamisio_42 Start: 27020, Stop: 26787, Start Num: 4
Candidate Starts for Epsocamisio_42:
(2, 27095), (Start: 4 @27020 has 19 MA's), (5, 26975), (8, 26945), (16, 26813),

Gene: JSwag_42 Start: 26958, Stop: 26752, Start Num: 4
Candidate Starts for JSwag_42:
(2, 27033), (Start: 4 @26958 has 19 MA's), (6, 26898), (9, 26871), (12, 26832), (16, 26778), (17, 26772),

Gene: KatherineG_44 Start: 27461, Stop: 27228, Start Num: 4
Candidate Starts for KatherineG_44:
(Start: 4 @27461 has 19 MA's), (6, 27401), (7, 27386), (8, 27383), (12, 27335),

Gene: LastResort_42 Start: 27022, Stop: 26789, Start Num: 4
Candidate Starts for LastResort_42:
(Start: 4 @27022 has 19 MA's), (5, 26977), (8, 26947), (16, 26815),

Gene: Looper_43 Start: 26999, Stop: 26766, Start Num: 4
Candidate Starts for Looper_43:
(2, 27074), (Start: 4 @26999 has 19 MA's), (5, 26954), (8, 26924), (16, 26792),

Gene: MinecraftSteve_44 Start: 27222, Stop: 26989, Start Num: 4
Candidate Starts for MinecraftSteve_44:
(Start: 4 @27222 has 19 MA's), (6, 27162), (7, 27147), (8, 27144), (12, 27096),

Gene: Nebulosus_42 Start: 27018, Stop: 26785, Start Num: 4
Candidate Starts for Nebulosus_42:
(2, 27093), (Start: 4 @27018 has 19 MA's), (5, 26973), (8, 26943), (16, 26811),

Gene: Nedarya_41 Start: 27466, Stop: 27311, Start Num: 10
Candidate Starts for Nedarya_41:
(1, 27745), (Start: 10 @27466 has 1 MA's), (11, 27448), (13, 27394), (14, 27379), (15, 27364),

Gene: Oofda_44 Start: 27117, Stop: 26884, Start Num: 4
Candidate Starts for Oofda_44:
(Start: 4 @27117 has 19 MA's), (6, 27057), (7, 27042), (8, 27039), (12, 26991), (16, 26910),

Gene: ReMo_42 Start: 27019, Stop: 26786, Start Num: 4
Candidate Starts for ReMo_42:
(Start: 4 @27019 has 19 MA's), (5, 26974), (8, 26944), (16, 26812),

Gene: Remus_44 Start: 27381, Stop: 27148, Start Num: 4
Candidate Starts for Remus_44:
(Start: 4 @27381 has 19 MA's), (6, 27321), (7, 27306), (8, 27303), (12, 27255), (16, 27174),

Gene: Rosalind_42 Start: 27141, Stop: 26908, Start Num: 4
Candidate Starts for Rosalind_42:
(2, 27216), (Start: 4 @27141 has 19 MA's), (5, 27096), (8, 27066), (16, 26934),

Gene: ShayRa_44 Start: 27223, Stop: 26990, Start Num: 4
Candidate Starts for ShayRa_44:
(Start: 4 @27223 has 19 MA's), (6, 27163), (7, 27148), (8, 27145), (12, 27097),

Gene: Soups_43 Start: 27222, Stop: 26989, Start Num: 4

Candidate Starts for Soups_43:

(Start: 4 @27222 has 19 MA's), (6, 27162), (7, 27147), (8, 27144), (12, 27096),

Gene: Strosahl_44 Start: 27381, Stop: 27148, Start Num: 4

Candidate Starts for Strosahl_44:

(Start: 4 @27381 has 19 MA's), (6, 27321), (7, 27306), (8, 27303), (12, 27255), (16, 27174),

Gene: Switzerland_43 Start: 27321, Stop: 27088, Start Num: 4

Candidate Starts for Switzerland_43:

(Start: 4 @27321 has 19 MA's), (5, 27276), (8, 27246), (11, 27216), (16, 27114),

Gene: Waits_43 Start: 27114, Stop: 26881, Start Num: 4

Candidate Starts for Waits_43:

(Start: 4 @27114 has 19 MA's), (6, 27054), (7, 27039), (8, 27036), (12, 26988), (16, 26907),

Gene: Warrior24_45 Start: 27301, Stop: 27068, Start Num: 4

Candidate Starts for Warrior24_45:

(Start: 4 @27301 has 19 MA's), (6, 27241), (7, 27226), (8, 27223), (12, 27175), (16, 27094),