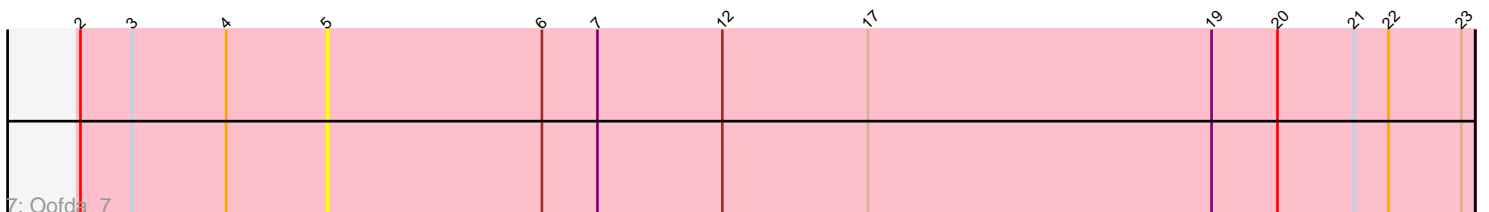
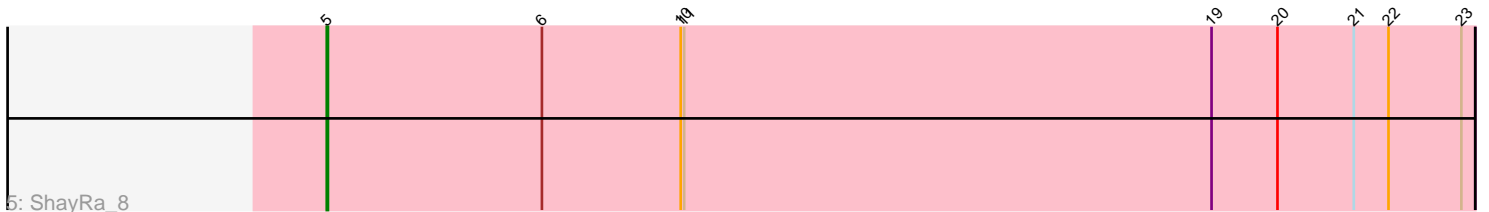
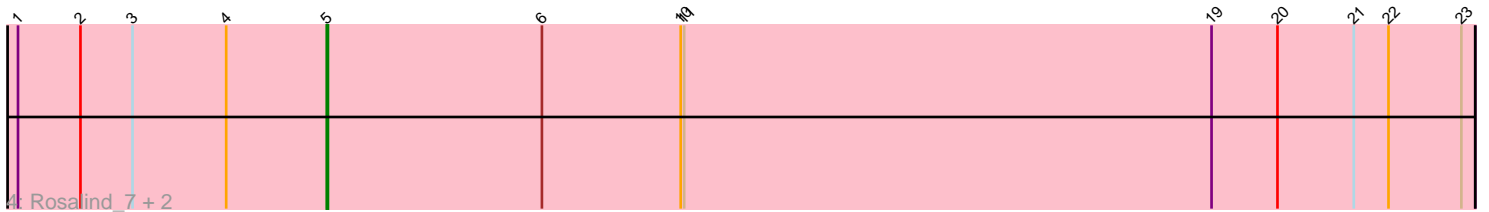
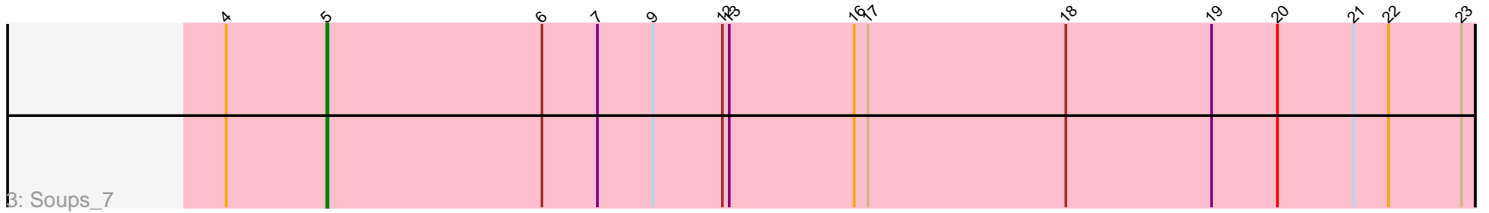
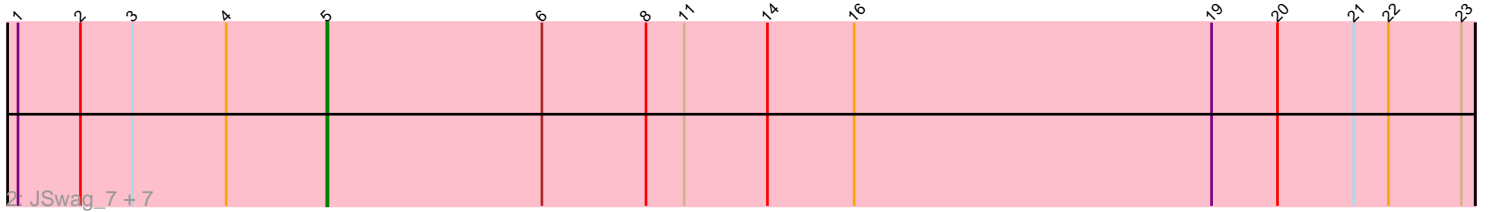
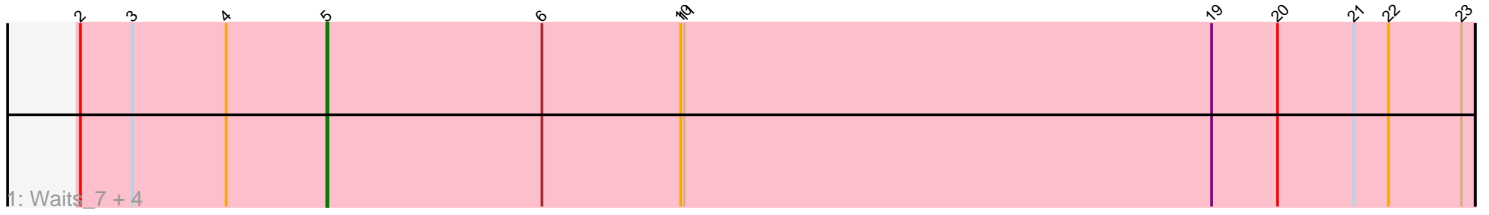


Pham 158191



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 158191 Report

This analysis was run 04/13/24 on database version 558.

Pham number 158191 has 20 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Waits_7, Remus_7, DekHockey33_7, Strosahl_7, KatherineG_7
- Track 2 : JSwag_7, Nebulosus_7, Boohoo_7, Epsocamisio_7, ReMo_7, Looper_7, LastResort_7, Anaysia_7
- Track 3 : Soups_7
- Track 4 : Rosalind_7, Switzerland_7, MinecraftSteve_8
- Track 5 : ShayRa_8
- Track 6 : Battleship_8
- Track 7 : Oofda_7

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

The start number called the most often in the published annotations is 5, it was called in 19 of the 19 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Anaysia_7, Battleship_8, Boohoo_7, DekHockey33_7, Epsocamisio_7, JSwag_7, KatherineG_7, LastResort_7, Looper_7, MinecraftSteve_8, Nebulosus_7, Oofda_7, ReMo_7, Remus_7, Rosalind_7, ShayRa_8, Soups_7, Strosahl_7, Switzerland_7, Waits_7,

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

-

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

-

Summary by start number:

Start 5:

- Found in 20 of 20 (100.0%) of genes in pham
- Manual Annotations of this start: 19 of 19
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Anaysia_7 (A15), Battleship_8 (A15), Boohoo_7 (A15), DekHockey33_7 (A15), Epsocamisio_7 (A15), JSwag_7 (A15),

KatherineG_7 (A15), LastResort_7 (A15), Looper_7 (A15), MinecraftSteve_8 (A15), Nebulosus_7 (A15), Oofda_7 (A15), ReMo_7 (A15), Remus_7 (A15), Rosalind_7 (A15), ShayRa_8 (A15), Soups_7 (A15), Strosahl_7 (A15), Switzerland_7 (A15), Waits_7 (A15),

Summary by clusters:

There is one cluster represented in this pham: A15

Info for manual annotations of cluster A15:

- Start number 5 was manually annotated 19 times for cluster A15.

Gene Information:

Gene: Anaysia_7 Start: 3414, Stop: 4406, Start Num: 5

Candidate Starts for Anaysia_7:

(1, 3147), (2, 3201), (3, 3246), (4, 3327), (Start: 5 @3414 has 19 MA's), (6, 3600), (8, 3690), (11, 3723), (14, 3795), (16, 3870), (19, 4179), (20, 4236), (21, 4302), (22, 4332), (23, 4395),

Gene: Battleship_8 Start: 3561, Stop: 4553, Start Num: 5

Candidate Starts for Battleship_8:

(4, 3474), (Start: 5 @3561 has 19 MA's), (6, 3747), (14, 3942), (15, 3972), (16, 4017), (19, 4326), (20, 4383), (21, 4449), (22, 4479), (23, 4542),

Gene: Boohoo_7 Start: 3414, Stop: 4406, Start Num: 5

Candidate Starts for Boohoo_7:

(1, 3147), (2, 3201), (3, 3246), (4, 3327), (Start: 5 @3414 has 19 MA's), (6, 3600), (8, 3690), (11, 3723), (14, 3795), (16, 3870), (19, 4179), (20, 4236), (21, 4302), (22, 4332), (23, 4395),

Gene: DekHockey33_7 Start: 3561, Stop: 4553, Start Num: 5

Candidate Starts for DekHockey33_7:

(2, 3348), (3, 3393), (4, 3474), (Start: 5 @3561 has 19 MA's), (6, 3747), (10, 3867), (11, 3870), (19, 4326), (20, 4383), (21, 4449), (22, 4479), (23, 4542),

Gene: Epsocamisio_7 Start: 3414, Stop: 4406, Start Num: 5

Candidate Starts for Epsocamisio_7:

(1, 3147), (2, 3201), (3, 3246), (4, 3327), (Start: 5 @3414 has 19 MA's), (6, 3600), (8, 3690), (11, 3723), (14, 3795), (16, 3870), (19, 4179), (20, 4236), (21, 4302), (22, 4332), (23, 4395),

Gene: JSwag_7 Start: 3414, Stop: 4406, Start Num: 5

Candidate Starts for JSwag_7:

(1, 3147), (2, 3201), (3, 3246), (4, 3327), (Start: 5 @3414 has 19 MA's), (6, 3600), (8, 3690), (11, 3723), (14, 3795), (16, 3870), (19, 4179), (20, 4236), (21, 4302), (22, 4332), (23, 4395),

Gene: KatherineG_7 Start: 3561, Stop: 4553, Start Num: 5

Candidate Starts for KatherineG_7:

(2, 3348), (3, 3393), (4, 3474), (Start: 5 @3561 has 19 MA's), (6, 3747), (10, 3867), (11, 3870), (19, 4326), (20, 4383), (21, 4449), (22, 4479), (23, 4542),

Gene: LastResort_7 Start: 3414, Stop: 4406, Start Num: 5

Candidate Starts for LastResort_7:

(1, 3147), (2, 3201), (3, 3246), (4, 3327), (Start: 5 @3414 has 19 MA's), (6, 3600), (8, 3690), (11, 3723), (14, 3795), (16, 3870), (19, 4179), (20, 4236), (21, 4302), (22, 4332), (23, 4395),

Gene: Looper_7 Start: 3414, Stop: 4406, Start Num: 5

Candidate Starts for Looper_7:

(1, 3147), (2, 3201), (3, 3246), (4, 3327), (Start: 5 @3414 has 19 MA's), (6, 3600), (8, 3690), (11, 3723), (14, 3795), (16, 3870), (19, 4179), (20, 4236), (21, 4302), (22, 4332), (23, 4395),

Gene: MinecraftSteve_8 Start: 3561, Stop: 4553, Start Num: 5

Candidate Starts for MinecraftSteve_8:

(1, 3294), (2, 3348), (3, 3393), (4, 3474), (Start: 5 @3561 has 19 MA's), (6, 3747), (10, 3867), (11, 3870), (19, 4326), (20, 4383), (21, 4449), (22, 4479), (23, 4542),

Gene: Nebulosus_7 Start: 3414, Stop: 4406, Start Num: 5

Candidate Starts for Nebulosus_7:

(1, 3147), (2, 3201), (3, 3246), (4, 3327), (Start: 5 @3414 has 19 MA's), (6, 3600), (8, 3690), (11, 3723), (14, 3795), (16, 3870), (19, 4179), (20, 4236), (21, 4302), (22, 4332), (23, 4395),

Gene: Oofda_7 Start: 3417, Stop: 4409, Start Num: 5

Candidate Starts for Oofda_7:

(2, 3204), (3, 3249), (4, 3330), (Start: 5 @3417 has 19 MA's), (6, 3603), (7, 3651), (12, 3759), (17, 3885), (19, 4182), (20, 4239), (21, 4305), (22, 4335), (23, 4398),

Gene: ReMo_7 Start: 3414, Stop: 4406, Start Num: 5

Candidate Starts for ReMo_7:

(1, 3147), (2, 3201), (3, 3246), (4, 3327), (Start: 5 @3414 has 19 MA's), (6, 3600), (8, 3690), (11, 3723), (14, 3795), (16, 3870), (19, 4179), (20, 4236), (21, 4302), (22, 4332), (23, 4395),

Gene: Remus_7 Start: 3414, Stop: 4406, Start Num: 5

Candidate Starts for Remus_7:

(2, 3201), (3, 3246), (4, 3327), (Start: 5 @3414 has 19 MA's), (6, 3600), (10, 3720), (11, 3723), (19, 4179), (20, 4236), (21, 4302), (22, 4332), (23, 4395),

Gene: Rosalind_7 Start: 3561, Stop: 4553, Start Num: 5

Candidate Starts for Rosalind_7:

(1, 3294), (2, 3348), (3, 3393), (4, 3474), (Start: 5 @3561 has 19 MA's), (6, 3747), (10, 3867), (11, 3870), (19, 4326), (20, 4383), (21, 4449), (22, 4479), (23, 4542),

Gene: ShayRa_8 Start: 3561, Stop: 4553, Start Num: 5

Candidate Starts for ShayRa_8:

(Start: 5 @3561 has 19 MA's), (6, 3747), (10, 3867), (11, 3870), (19, 4326), (20, 4383), (21, 4449), (22, 4479), (23, 4542),

Gene: Soups_7 Start: 3561, Stop: 4553, Start Num: 5

Candidate Starts for Soups_7:

(4, 3474), (Start: 5 @3561 has 19 MA's), (6, 3747), (7, 3795), (9, 3843), (12, 3903), (13, 3909), (16, 4017), (17, 4029), (18, 4200), (19, 4326), (20, 4383), (21, 4449), (22, 4479), (23, 4542),

Gene: Strosahl_7 Start: 3414, Stop: 4406, Start Num: 5

Candidate Starts for Strosahl_7:

(2, 3201), (3, 3246), (4, 3327), (Start: 5 @3414 has 19 MA's), (6, 3600), (10, 3720), (11, 3723), (19, 4179), (20, 4236), (21, 4302), (22, 4332), (23, 4395),

Gene: Switzerland_7 Start: 3561, Stop: 4553, Start Num: 5

Candidate Starts for Switzerland_7:

(1, 3294), (2, 3348), (3, 3393), (4, 3474), (Start: 5 @3561 has 19 MA's), (6, 3747), (10, 3867), (11, 3870), (19, 4326), (20, 4383), (21, 4449), (22, 4479), (23, 4542),

Gene: Waits_7 Start: 3413, Stop: 4405, Start Num: 5

Candidate Starts for Waits_7:

(2, 3200), (3, 3245), (4, 3326), (Start: 5 @3413 has 19 MA's), (6, 3599), (10, 3719), (11, 3722), (19, 4178), (20, 4235), (21, 4301), (22, 4331), (23, 4394),