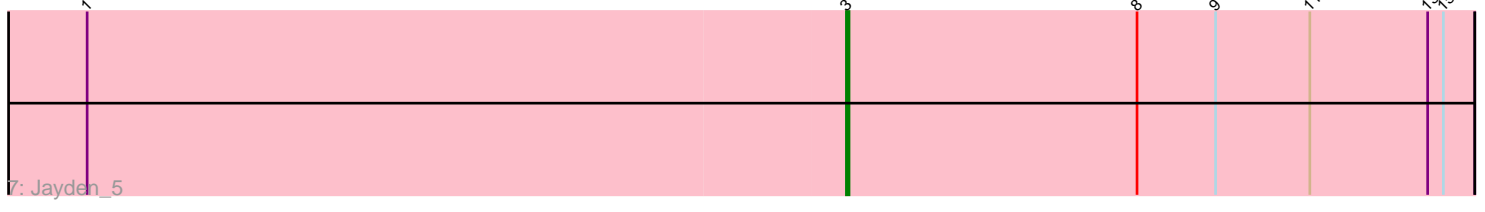
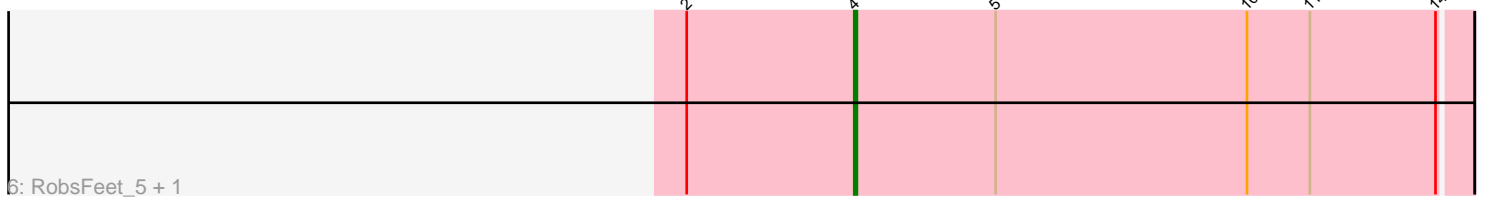
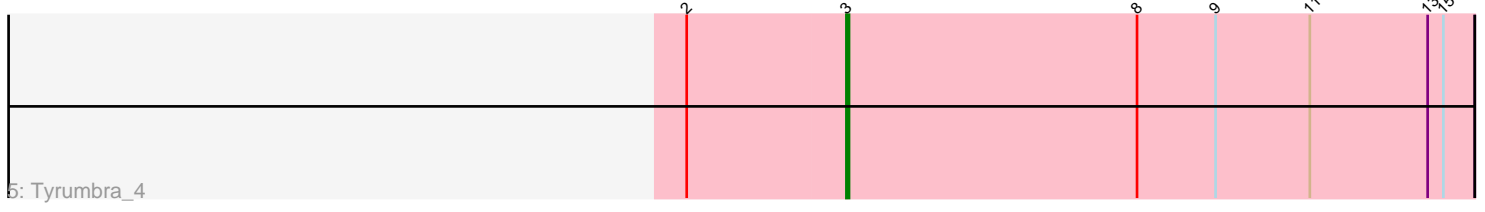
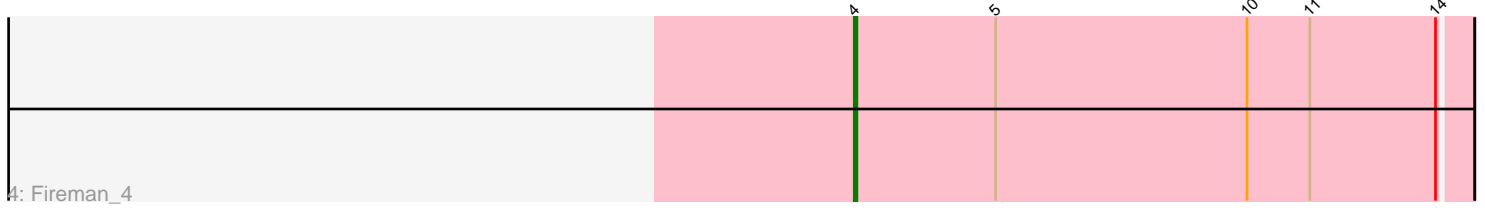
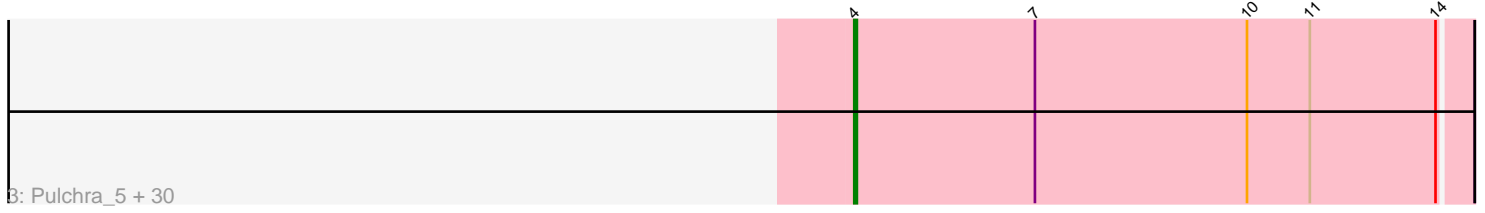
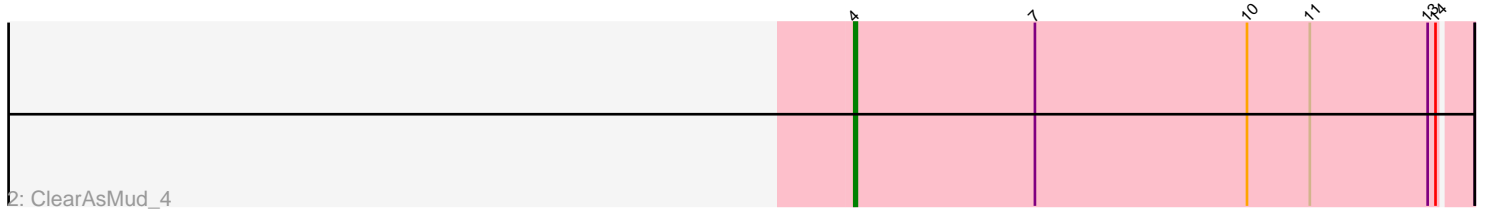
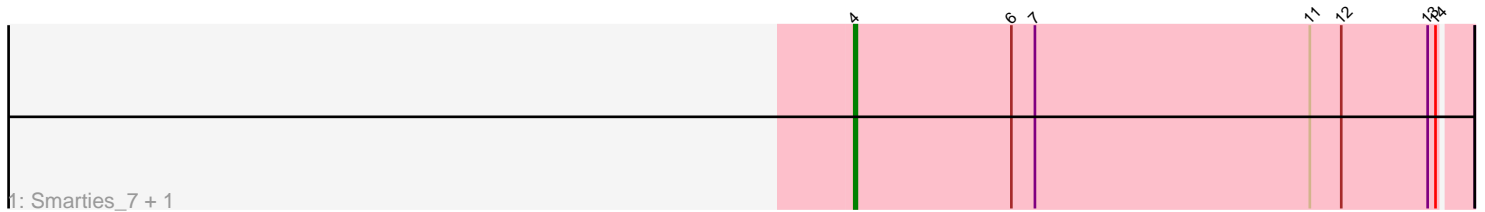


Pham 2633



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 2633 Report

This analysis was run 07/09/24 on database version 566.

Pham number 2633 has 39 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Smarties_7, Ariadne_7
- Track 2 : ClearAsMud_4
- Track 3 : Pulchra_5, Ganandorf_4, Phrancesco_5, Kowalski_4, Busephilis_5, Antares_5, Shotgun_4, EarickHC_4, Ramiel05_4, PiperSansNom_5, PierreOrion_4, BrazzalePHS_4, Piperis_4, Selwyn23_5, Paschalis_4, Onika_4, KaiHaiDragon_4, LittleFortune_5, Honeyfin_5, Phorgeous_4, Jefe_5, Savannah_4, CrazyRich_4, Scumberland_5, Jollipop_4, Yeti_4, Crisis_4, Hermeonysus_4, Quhwah_5, NoodlelyBoi_4, Cranjis_4
- Track 4 : Fireman_4
- Track 5 : Tyumbra_4
- Track 6 : RobsFeet_5, Metamorphoo_4
- Track 7 : Jayden_5

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 35 of the 37 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Antares_5, Ariadne_7, BrazzalePHS_4, Busephilis_5, ClearAsMud_4, Cranjis_4, CrazyRich_4, Crisis_4, EarickHC_4, Fireman_4, Ganandorf_4, Hermeonysus_4, Honeyfin_5, Jefe_5, Jollipop_4, KaiHaiDragon_4, Kowalski_4, LittleFortune_5, Metamorphoo_4, NoodlelyBoi_4, Onika_4, Paschalis_4, Phorgeous_4, Phrancesco_5, PierreOrion_4, PiperSansNom_5, Piperis_4, Pulchra_5, Quhwah_5, Ramiel05_4, RobsFeet_5, Savannah_4, Scumberland_5, Selwyn23_5, Shotgun_4, Smarties_7, Yeti_4,

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

-

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

- Jayden_5, Tyumbra_4,

Summary by start number:

Start 3:

- Found in 2 of 39 (5.1%) of genes in pham
- Manual Annotations of this start: 2 of 37
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Jayden_5 (EC), Tyrumbra_4 (EC),

Start 4:

- Found in 37 of 39 (94.9%) of genes in pham
- Manual Annotations of this start: 35 of 37
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Antares_5 (EC), Ariadne_7 (EC), BrazzalePHS_4 (EC), Busephilis_5 (EC), ClearAsMud_4 (EC), Cranjis_4 (EC), CrazyRich_4 (EC), Crisis_4 (EC), EarickHC_4 (EC), Fireman_4 (EC), Ganandorf_4 (EC), Hermeonysus_4 (EC), Honeyfin_5 (EC), Jefe_5 (EC), Jollipop_4 (EC), KaiHaiDragon_4 (EC), Kowalski_4 (EC), LittleFortune_5 (EC), Metamorphoo_4 (EC), NoodlelyBoi_4 (EC), Onika_4 (EC), Paschalis_4 (EC), Phorgeous_4 (EC), Phrancesco_5 (EC), PierreOrion_4 (EC), PiperSansNom_5 (EC), Piperis_4 (EC), Pulchra_5 (EC), Quhwah_5 (EC), Ramiel05_4 (EC), RobsFeet_5 (EC), Savannah_4 (EC), Scumberland_5 (EC), Selwyn23_5 (EC), Shotgun_4 (EC), Smarties_7 (EC), Yeti_4 (EC),

Summary by clusters:

There is one cluster represented in this pham: EC

Info for manual annotations of cluster EC:

- Start number 3 was manually annotated 2 times for cluster EC.
- Start number 4 was manually annotated 35 times for cluster EC.

Gene Information:

Gene: Antares_5 Start: 2820, Stop: 3053, Start Num: 4

Candidate Starts for Antares_5:

(Start: 4 @2820 has 35 MA's), (7, 2889), (10, 2970), (11, 2994), (14, 3042),

Gene: Ariadne_7 Start: 3319, Stop: 3552, Start Num: 4

Candidate Starts for Ariadne_7:

(Start: 4 @3319 has 35 MA's), (6, 3379), (7, 3388), (11, 3493), (12, 3505), (13, 3538), (14, 3541),

Gene: BrazzalePHS_4 Start: 2608, Stop: 2841, Start Num: 4

Candidate Starts for BrazzalePHS_4:

(Start: 4 @2608 has 35 MA's), (7, 2677), (10, 2758), (11, 2782), (14, 2830),

Gene: Busephilis_5 Start: 2820, Stop: 3053, Start Num: 4

Candidate Starts for Busephilis_5:

(Start: 4 @2820 has 35 MA's), (7, 2889), (10, 2970), (11, 2994), (14, 3042),

Gene: ClearAsMud_4 Start: 2877, Stop: 3110, Start Num: 4

Candidate Starts for ClearAsMud_4:

(Start: 4 @2877 has 35 MA's), (7, 2946), (10, 3027), (11, 3051), (13, 3096), (14, 3099),

Gene: Cranjjs_4 Start: 2608, Stop: 2841, Start Num: 4
Candidate Starts for Cranjjs_4:
(Start: 4 @2608 has 35 MA's), (7, 2677), (10, 2758), (11, 2782), (14, 2830),

Gene: CrazyRich_4 Start: 2608, Stop: 2841, Start Num: 4
Candidate Starts for CrazyRich_4:
(Start: 4 @2608 has 35 MA's), (7, 2677), (10, 2758), (11, 2782), (14, 2830),

Gene: Crisis_4 Start: 2608, Stop: 2841, Start Num: 4
Candidate Starts for Crisis_4:
(Start: 4 @2608 has 35 MA's), (7, 2677), (10, 2758), (11, 2782), (14, 2830),

Gene: EarickHC_4 Start: 2608, Stop: 2841, Start Num: 4
Candidate Starts for EarickHC_4:
(Start: 4 @2608 has 35 MA's), (7, 2677), (10, 2758), (11, 2782), (14, 2830),

Gene: Fireman_4 Start: 2740, Stop: 2973, Start Num: 4
Candidate Starts for Fireman_4:
(Start: 4 @2740 has 35 MA's), (5, 2794), (10, 2890), (11, 2914), (14, 2962),

Gene: Ganandorf_4 Start: 2827, Stop: 3060, Start Num: 4
Candidate Starts for Ganandorf_4:
(Start: 4 @2827 has 35 MA's), (7, 2896), (10, 2977), (11, 3001), (14, 3049),

Gene: Hermeonysus_4 Start: 2608, Stop: 2841, Start Num: 4
Candidate Starts for Hermeonysus_4:
(Start: 4 @2608 has 35 MA's), (7, 2677), (10, 2758), (11, 2782), (14, 2830),

Gene: Honeyfin_5 Start: 2826, Stop: 3059, Start Num: 4
Candidate Starts for Honeyfin_5:
(Start: 4 @2826 has 35 MA's), (7, 2895), (10, 2976), (11, 3000), (14, 3048),

Gene: Jayden_5 Start: 2945, Stop: 3184, Start Num: 3
Candidate Starts for Jayden_5:
(1, 2657), (Start: 3 @2945 has 2 MA's), (8, 3056), (9, 3086), (11, 3122), (13, 3167), (15, 3173),

Gene: Jefe_5 Start: 2820, Stop: 3053, Start Num: 4
Candidate Starts for Jefe_5:
(Start: 4 @2820 has 35 MA's), (7, 2889), (10, 2970), (11, 2994), (14, 3042),

Gene: Jollipop_4 Start: 2608, Stop: 2841, Start Num: 4
Candidate Starts for Jollipop_4:
(Start: 4 @2608 has 35 MA's), (7, 2677), (10, 2758), (11, 2782), (14, 2830),

Gene: KaiHaiDragon_4 Start: 2608, Stop: 2841, Start Num: 4
Candidate Starts for KaiHaiDragon_4:
(Start: 4 @2608 has 35 MA's), (7, 2677), (10, 2758), (11, 2782), (14, 2830),

Gene: Kowalski_4 Start: 2608, Stop: 2841, Start Num: 4
Candidate Starts for Kowalski_4:
(Start: 4 @2608 has 35 MA's), (7, 2677), (10, 2758), (11, 2782), (14, 2830),

Gene: LittleFortune_5 Start: 2826, Stop: 3059, Start Num: 4
Candidate Starts for LittleFortune_5:
(Start: 4 @2826 has 35 MA's), (7, 2895), (10, 2976), (11, 3000), (14, 3048),

Gene: Metamorphoo_4 Start: 2633, Stop: 2866, Start Num: 4
Candidate Starts for Metamorphoo_4:
(2, 2570), (Start: 4 @2633 has 35 MA's), (5, 2687), (10, 2783), (11, 2807), (14, 2855),

Gene: NoodlelyBoi_4 Start: 2611, Stop: 2844, Start Num: 4
Candidate Starts for NoodlelyBoi_4:
(Start: 4 @2611 has 35 MA's), (7, 2680), (10, 2761), (11, 2785), (14, 2833),

Gene: Onika_4 Start: 2608, Stop: 2841, Start Num: 4
Candidate Starts for Onika_4:
(Start: 4 @2608 has 35 MA's), (7, 2677), (10, 2758), (11, 2782), (14, 2830),

Gene: Paschalis_4 Start: 2608, Stop: 2841, Start Num: 4
Candidate Starts for Paschalis_4:
(Start: 4 @2608 has 35 MA's), (7, 2677), (10, 2758), (11, 2782), (14, 2830),

Gene: Phorgeous_4 Start: 2608, Stop: 2841, Start Num: 4
Candidate Starts for Phorgeous_4:
(Start: 4 @2608 has 35 MA's), (7, 2677), (10, 2758), (11, 2782), (14, 2830),

Gene: Phrancesco_5 Start: 2826, Stop: 3059, Start Num: 4
Candidate Starts for Phrancesco_5:
(Start: 4 @2826 has 35 MA's), (7, 2895), (10, 2976), (11, 3000), (14, 3048),

Gene: PierreOrion_4 Start: 2608, Stop: 2841, Start Num: 4
Candidate Starts for PierreOrion_4:
(Start: 4 @2608 has 35 MA's), (7, 2677), (10, 2758), (11, 2782), (14, 2830),

Gene: PiperSansNom_5 Start: 2921, Stop: 3154, Start Num: 4
Candidate Starts for PiperSansNom_5:
(Start: 4 @2921 has 35 MA's), (7, 2990), (10, 3071), (11, 3095), (14, 3143),

Gene: Piperis_4 Start: 2608, Stop: 2841, Start Num: 4
Candidate Starts for Piperis_4:
(Start: 4 @2608 has 35 MA's), (7, 2677), (10, 2758), (11, 2782), (14, 2830),

Gene: Pulchra_5 Start: 2838, Stop: 3071, Start Num: 4
Candidate Starts for Pulchra_5:
(Start: 4 @2838 has 35 MA's), (7, 2907), (10, 2988), (11, 3012), (14, 3060),

Gene: Quhwah_5 Start: 2820, Stop: 3053, Start Num: 4
Candidate Starts for Quhwah_5:
(Start: 4 @2820 has 35 MA's), (7, 2889), (10, 2970), (11, 2994), (14, 3042),

Gene: Ramiel05_4 Start: 2608, Stop: 2841, Start Num: 4
Candidate Starts for Ramiel05_4:
(Start: 4 @2608 has 35 MA's), (7, 2677), (10, 2758), (11, 2782), (14, 2830),

Gene: RobsFeet_5 Start: 2740, Stop: 2973, Start Num: 4

Candidate Starts for RobsFeet_5:

(2, 2677), (Start: 4 @2740 has 35 MA's), (5, 2794), (10, 2890), (11, 2914), (14, 2962),

Gene: Savannah_4 Start: 2632, Stop: 2865, Start Num: 4

Candidate Starts for Savannah_4:

(Start: 4 @2632 has 35 MA's), (7, 2701), (10, 2782), (11, 2806), (14, 2854),

Gene: Scumberland_5 Start: 2826, Stop: 3059, Start Num: 4

Candidate Starts for Scumberland_5:

(Start: 4 @2826 has 35 MA's), (7, 2895), (10, 2976), (11, 3000), (14, 3048),

Gene: Selwyn23_5 Start: 2838, Stop: 3071, Start Num: 4

Candidate Starts for Selwyn23_5:

(Start: 4 @2838 has 35 MA's), (7, 2907), (10, 2988), (11, 3012), (14, 3060),

Gene: Shotgun_4 Start: 2608, Stop: 2841, Start Num: 4

Candidate Starts for Shotgun_4:

(Start: 4 @2608 has 35 MA's), (7, 2677), (10, 2758), (11, 2782), (14, 2830),

Gene: Smarties_7 Start: 3319, Stop: 3552, Start Num: 4

Candidate Starts for Smarties_7:

(Start: 4 @3319 has 35 MA's), (6, 3379), (7, 3388), (11, 3493), (12, 3505), (13, 3538), (14, 3541),

Gene: Tyrumbra_4 Start: 2630, Stop: 2869, Start Num: 3

Candidate Starts for Tyrumbra_4:

(2, 2570), (Start: 3 @2630 has 2 MA's), (8, 2741), (9, 2771), (11, 2807), (13, 2852), (15, 2858),

Gene: Yeti_4 Start: 2608, Stop: 2841, Start Num: 4

Candidate Starts for Yeti_4:

(Start: 4 @2608 has 35 MA's), (7, 2677), (10, 2758), (11, 2782), (14, 2830),