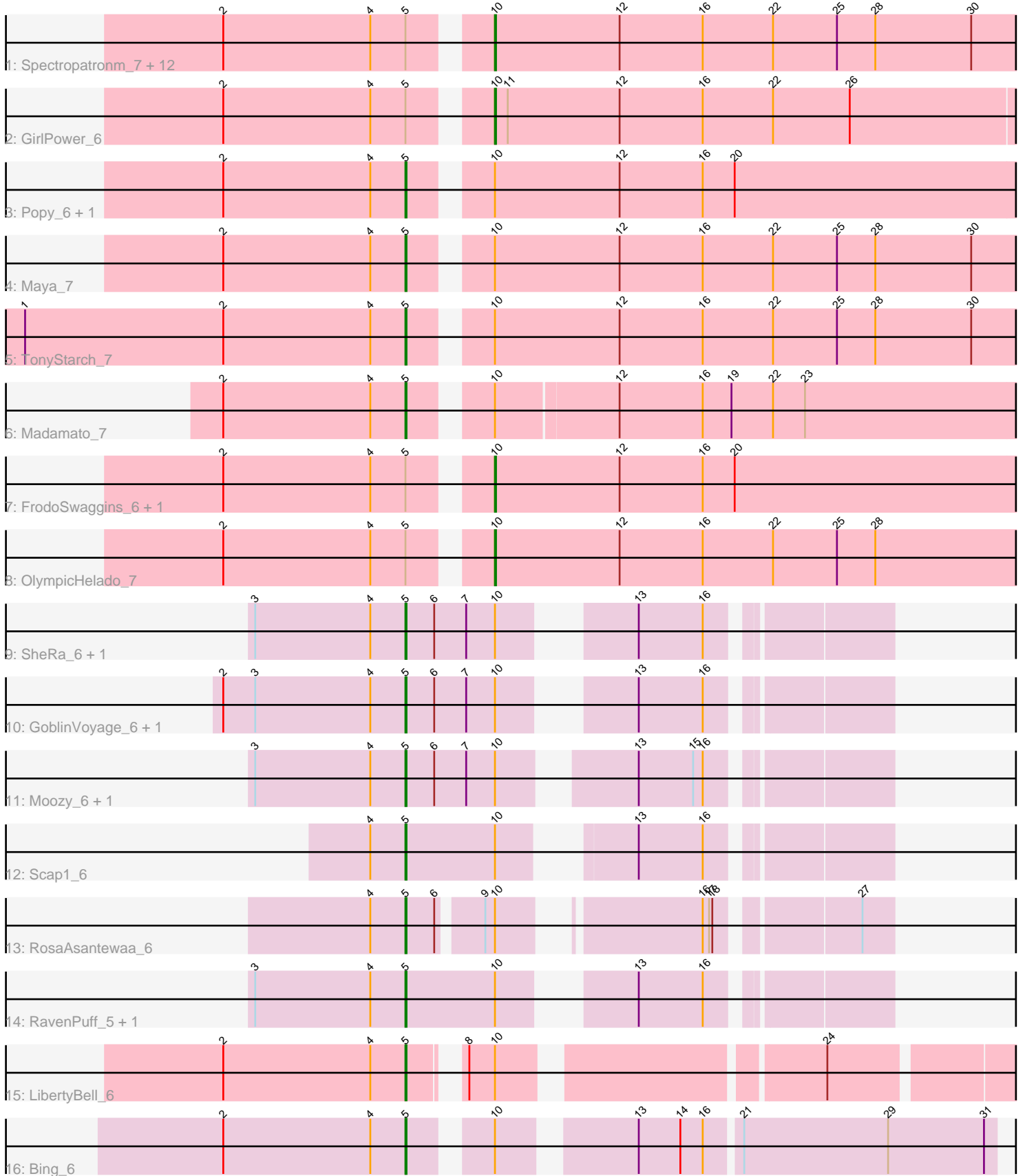


Pham 196694



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 196694 Report

This analysis was run 12/09/24 on database version 580.

Pham number 196694 has 34 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Spectropatronm_7, TieDye_6, FidgetOrca_7, TaidaOne_7, Esketit_7, CherryBlossom_7, Hoshi_7, Jaylociraptor_7, IceWarrior_7, Meibysrarus_7, Rima_7, Namu_7, Indigenous_7
- Track 2 : GirlPower_6
- Track 3 : Popy_6, DrGrey_6
- Track 4 : Maya_7
- Track 5 : TonyStarch_7
- Track 6 : Madamato_7
- Track 7 : FrodoSwaggins_6, Soshi_6
- Track 8 : OlympicHelado_7
- Track 9 : SheRa_6, HotFries_5
- Track 10 : GoblinVoyage_6, Doxi13_6
- Track 11 : Moozy_6, Annihilus_6
- Track 12 : Scap1_6
- Track 13 : RosaAsantewaa_6
- Track 14 : RavenPuff_5, PherryCruz_5
- Track 15 : LibertyBell_6
- Track 16 : Bing_6

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

The start number called the most often in the published annotations is 10, it was called in 17 of the 34 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- CherryBlossom_7, Esketit_7, FidgetOrca_7, FrodoSwaggins_6, GirlPower_6, Hoshi_7, IceWarrior_7, Indigenous_7, Jaylociraptor_7, Meibysrarus_7, Namu_7, OlympicHelado_7, Rima_7, Soshi_6, Spectropatronm_7, TaidaOne_7, TieDye_6,

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

- Annihilus_6, Bing_6, Doxi13_6, DrGrey_6, GoblinVoyage_6, HotFries_5, LibertyBell_6, Madamato_7, Maya_7, Moozy_6, PherryCruz_5, Popy_6, RavenPuff_5, RosaAsantewaa_6, Scap1_6, SheRa_6, TonyStarch_7,

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

-

Summary by start number:

Start 5:

- Found in 34 of 34 (100.0%) of genes in pham
- Manual Annotations of this start: 17 of 34
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Annihilus_6 (BI2), Bing_6 (BI5), Doxi13_6 (BI2), DrGrey_6 (BI1), GoblinVoyage_6 (BI2), HotFries_5 (BI2), LibertyBell_6 (BI3), Madamoto_7 (BI1), Maya_7 (BI1), Moozy_6 (BI2), PherryCruz_5 (BI2), Popy_6 (BI1), RavenPuff_5 (BI2), RosaAsantewaa_6 (BI2), Scap1_6 (BI2), SheRa_6 (BI2), TonyStarch_7 (BI1),

Start 10:

- Found in 34 of 34 (100.0%) of genes in pham
- Manual Annotations of this start: 17 of 34
- Called 50.0% of time when present
- Phage (with cluster) where this start called: CherryBlossom_7 (BI1), Esketit_7 (BI1), FidgetOrca_7 (BI1), FrodoSwaggins_6 (BI1), GirlPower_6 (BI1), Hoshi_7 (BI1), IceWarrior_7 (BI1), Indigenous_7 (BI1), Jaylociraptor_7 (BI1), Meibysrarus_7 (BI1), Namo_7 (BI1), OlympicHelado_7 (BI1), Rima_7 (BI1), Soshi_6 (BI1), Spectropatronm_7 (BI1), TaidaOne_7 (BI1), TieDye_6 (BI1),

Summary by clusters:

There are 4 clusters represented in this pham: BI5, BI2, BI3, BI1,

Info for manual annotations of cluster BI1:

- Start number 5 was manually annotated 5 times for cluster BI1.
- Start number 10 was manually annotated 17 times for cluster BI1.

Info for manual annotations of cluster BI2:

- Start number 5 was manually annotated 10 times for cluster BI2.

Info for manual annotations of cluster BI3:

- Start number 5 was manually annotated 1 time for cluster BI3.

Info for manual annotations of cluster BI5:

- Start number 5 was manually annotated 1 time for cluster BI5.

Gene Information:

Gene: Annihilus_6 Start: 2251, Stop: 2646, Start Num: 5

Candidate Starts for Annihilus_6:

(3, 2110), (4, 2218), (Start: 5 @2251 has 17 MA's), (6, 2278), (7, 2308), (Start: 10 @2335 has 17 MA's), (13, 2434), (15, 2485), (16, 2494),

Gene: Bing_6 Start: 2300, Stop: 2794, Start Num: 5

Candidate Starts for Bing_6:

(2, 2129), (4, 2267), (Start: 5 @2300 has 17 MA's), (Start: 10 @2360 has 17 MA's), (13, 2468), (14, 2507), (16, 2528), (21, 2558), (29, 2693), (31, 2783),

Gene: CherryBlossom_7 Start: 2641, Stop: 3147, Start Num: 10

Candidate Starts for CherryBlossom_7:

(2, 2410), (4, 2548), (Start: 5 @2581 has 17 MA's), (Start: 10 @2641 has 17 MA's), (12, 2758), (16, 2836), (22, 2902), (25, 2962), (28, 2998), (30, 3088),

Gene: Doxi13_6 Start: 2252, Stop: 2635, Start Num: 5

Candidate Starts for Doxi13_6:

(2, 2081), (3, 2111), (4, 2219), (Start: 5 @2252 has 17 MA's), (6, 2279), (7, 2309), (Start: 10 @2336 has 17 MA's), (13, 2423), (16, 2483),

Gene: DrGrey_6 Start: 2286, Stop: 2834, Start Num: 5

Candidate Starts for DrGrey_6:

(2, 2115), (4, 2253), (Start: 5 @2286 has 17 MA's), (Start: 10 @2346 has 17 MA's), (12, 2463), (16, 2541), (20, 2571),

Gene: Esketit_7 Start: 2624, Stop: 3130, Start Num: 10

Candidate Starts for Esketit_7:

(2, 2393), (4, 2531), (Start: 5 @2564 has 17 MA's), (Start: 10 @2624 has 17 MA's), (12, 2741), (16, 2819), (22, 2885), (25, 2945), (28, 2981), (30, 3071),

Gene: FidgetOrca_7 Start: 2624, Stop: 3130, Start Num: 10

Candidate Starts for FidgetOrca_7:

(2, 2393), (4, 2531), (Start: 5 @2564 has 17 MA's), (Start: 10 @2624 has 17 MA's), (12, 2741), (16, 2819), (22, 2885), (25, 2945), (28, 2981), (30, 3071),

Gene: FrodoSwaggins_6 Start: 2346, Stop: 2834, Start Num: 10

Candidate Starts for FrodoSwaggins_6:

(2, 2115), (4, 2253), (Start: 5 @2286 has 17 MA's), (Start: 10 @2346 has 17 MA's), (12, 2463), (16, 2541), (20, 2571),

Gene: GirlPower_6 Start: 3196, Stop: 3699, Start Num: 10

Candidate Starts for GirlPower_6:

(2, 2965), (4, 3103), (Start: 5 @3136 has 17 MA's), (Start: 10 @3196 has 17 MA's), (11, 3208), (12, 3313), (16, 3391), (22, 3457), (26, 3529),

Gene: GoblinVoyage_6 Start: 2252, Stop: 2635, Start Num: 5

Candidate Starts for GoblinVoyage_6:

(2, 2081), (3, 2111), (4, 2219), (Start: 5 @2252 has 17 MA's), (6, 2279), (7, 2309), (Start: 10 @2336 has 17 MA's), (13, 2423), (16, 2483),

Gene: Hoshi_7 Start: 2624, Stop: 3130, Start Num: 10

Candidate Starts for Hoshi_7:

(2, 2393), (4, 2531), (Start: 5 @2564 has 17 MA's), (Start: 10 @2624 has 17 MA's), (12, 2741), (16, 2819), (22, 2885), (25, 2945), (28, 2981), (30, 3071),

Gene: HotFries_5 Start: 2251, Stop: 2634, Start Num: 5

Candidate Starts for HotFries_5:

(3, 2110), (4, 2218), (Start: 5 @2251 has 17 MA's), (6, 2278), (7, 2308), (Start: 10 @2335 has 17 MA's), (13, 2422), (16, 2482),

Gene: IceWarrior_7 Start: 2624, Stop: 3130, Start Num: 10

Candidate Starts for IceWarrior_7:

(2, 2393), (4, 2531), (Start: 5 @2564 has 17 MA's), (Start: 10 @2624 has 17 MA's), (12, 2741), (16, 2819), (22, 2885), (25, 2945), (28, 2981), (30, 3071),

Gene: Indigenous_7 Start: 2624, Stop: 3130, Start Num: 10

Candidate Starts for Indigenous_7:

(2, 2393), (4, 2531), (Start: 5 @2564 has 17 MA's), (Start: 10 @2624 has 17 MA's), (12, 2741), (16, 2819), (22, 2885), (25, 2945), (28, 2981), (30, 3071),

Gene: Jaylociraptor_7 Start: 2624, Stop: 3130, Start Num: 10

Candidate Starts for Jaylociraptor_7:

(2, 2393), (4, 2531), (Start: 5 @2564 has 17 MA's), (Start: 10 @2624 has 17 MA's), (12, 2741), (16, 2819), (22, 2885), (25, 2945), (28, 2981), (30, 3071),

Gene: LibertyBell_6 Start: 2263, Stop: 2757, Start Num: 5

Candidate Starts for LibertyBell_6:

(2, 2092), (4, 2230), (Start: 5 @2263 has 17 MA's), (8, 2296), (Start: 10 @2320 has 17 MA's), (24, 2587),

Gene: Madamoto_7 Start: 2562, Stop: 3104, Start Num: 5

Candidate Starts for Madamoto_7:

(2, 2391), (4, 2529), (Start: 5 @2562 has 17 MA's), (Start: 10 @2622 has 17 MA's), (12, 2733), (16, 2811), (19, 2838), (22, 2877), (23, 2907),

Gene: Maya_7 Start: 2572, Stop: 3138, Start Num: 5

Candidate Starts for Maya_7:

(2, 2401), (4, 2539), (Start: 5 @2572 has 17 MA's), (Start: 10 @2632 has 17 MA's), (12, 2749), (16, 2827), (22, 2893), (25, 2953), (28, 2989), (30, 3079),

Gene: Meibysrarus_7 Start: 2624, Stop: 3130, Start Num: 10

Candidate Starts for Meibysrarus_7:

(2, 2393), (4, 2531), (Start: 5 @2564 has 17 MA's), (Start: 10 @2624 has 17 MA's), (12, 2741), (16, 2819), (22, 2885), (25, 2945), (28, 2981), (30, 3071),

Gene: Moozy_6 Start: 2253, Stop: 2648, Start Num: 5

Candidate Starts for Moozy_6:

(3, 2112), (4, 2220), (Start: 5 @2253 has 17 MA's), (6, 2280), (7, 2310), (Start: 10 @2337 has 17 MA's), (13, 2436), (15, 2487), (16, 2496),

Gene: Namo_7 Start: 2624, Stop: 3130, Start Num: 10

Candidate Starts for Namo_7:

(2, 2393), (4, 2531), (Start: 5 @2564 has 17 MA's), (Start: 10 @2624 has 17 MA's), (12, 2741), (16, 2819), (22, 2885), (25, 2945), (28, 2981), (30, 3071),

Gene: OlympicHelado_7 Start: 2624, Stop: 3130, Start Num: 10

Candidate Starts for OlympicHelado_7:

(2, 2393), (4, 2531), (Start: 5 @2564 has 17 MA's), (Start: 10 @2624 has 17 MA's), (12, 2741), (16, 2819), (22, 2885), (25, 2945), (28, 2981),

Gene: PherryCruz_5 Start: 2251, Stop: 2634, Start Num: 5

Candidate Starts for PherryCruz_5:

(3, 2110), (4, 2218), (Start: 5 @2251 has 17 MA's), (Start: 10 @2335 has 17 MA's), (13, 2422), (16, 2482),

Gene: Popy_6 Start: 2286, Stop: 2834, Start Num: 5

Candidate Starts for Popy_6:

(2, 2115), (4, 2253), (Start: 5 @2286 has 17 MA's), (Start: 10 @2346 has 17 MA's), (12, 2463), (16, 2541), (20, 2571),

Gene: RavenPuff_5 Start: 2251, Stop: 2634, Start Num: 5

Candidate Starts for RavenPuff_5:

(3, 2110), (4, 2218), (Start: 5 @2251 has 17 MA's), (Start: 10 @2335 has 17 MA's), (13, 2422), (16, 2482),

Gene: Rima_7 Start: 2624, Stop: 3130, Start Num: 10

Candidate Starts for Rima_7:

(2, 2393), (4, 2531), (Start: 5 @2564 has 17 MA's), (Start: 10 @2624 has 17 MA's), (12, 2741), (16, 2819), (22, 2885), (25, 2945), (28, 2981), (30, 3071),

Gene: RosaAsantewaa_6 Start: 2224, Stop: 2601, Start Num: 5

Candidate Starts for RosaAsantewaa_6:

(4, 2191), (Start: 5 @2224 has 17 MA's), (6, 2251), (9, 2287), (Start: 10 @2296 has 17 MA's), (16, 2446), (17, 2452), (18, 2455), (27, 2572),

Gene: Scap1_6 Start: 2256, Stop: 2636, Start Num: 5

Candidate Starts for Scap1_6:

(4, 2223), (Start: 5 @2256 has 17 MA's), (Start: 10 @2340 has 17 MA's), (13, 2424), (16, 2484),

Gene: SheRa_6 Start: 2251, Stop: 2634, Start Num: 5

Candidate Starts for SheRa_6:

(3, 2110), (4, 2218), (Start: 5 @2251 has 17 MA's), (6, 2278), (7, 2308), (Start: 10 @2335 has 17 MA's), (13, 2422), (16, 2482),

Gene: Soshi_6 Start: 2346, Stop: 2834, Start Num: 10

Candidate Starts for Soshi_6:

(2, 2115), (4, 2253), (Start: 5 @2286 has 17 MA's), (Start: 10 @2346 has 17 MA's), (12, 2463), (16, 2541), (20, 2571),

Gene: Spectropatronm_7 Start: 2624, Stop: 3130, Start Num: 10

Candidate Starts for Spectropatronm_7:

(2, 2393), (4, 2531), (Start: 5 @2564 has 17 MA's), (Start: 10 @2624 has 17 MA's), (12, 2741), (16, 2819), (22, 2885), (25, 2945), (28, 2981), (30, 3071),

Gene: TaidaOne_7 Start: 2624, Stop: 3130, Start Num: 10

Candidate Starts for TaidaOne_7:

(2, 2393), (4, 2531), (Start: 5 @2564 has 17 MA's), (Start: 10 @2624 has 17 MA's), (12, 2741), (16, 2819), (22, 2885), (25, 2945), (28, 2981), (30, 3071),

Gene: TieDye_6 Start: 2334, Stop: 2840, Start Num: 10

Candidate Starts for TieDye_6:

(2, 2103), (4, 2241), (Start: 5 @2274 has 17 MA's), (Start: 10 @2334 has 17 MA's), (12, 2451), (16, 2529), (22, 2595), (25, 2655), (28, 2691), (30, 2781),

Gene: TonyStarch_7 Start: 2564, Stop: 3130, Start Num: 5

Candidate Starts for TonyStarch_7:

(1, 2207), (2, 2393), (4, 2531), (Start: 5 @2564 has 17 MA's), (Start: 10 @2624 has 17 MA's), (12, 2741), (16, 2819), (22, 2885), (25, 2945), (28, 2981), (30, 3071),