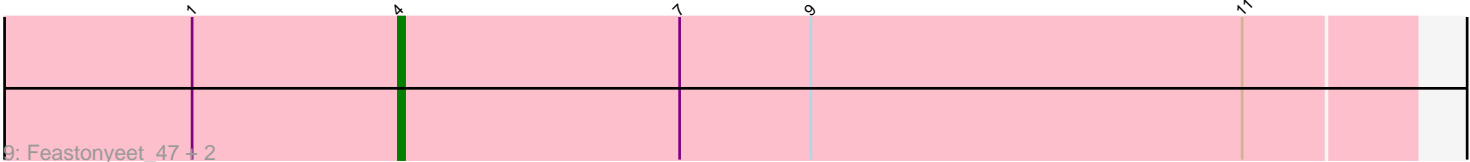
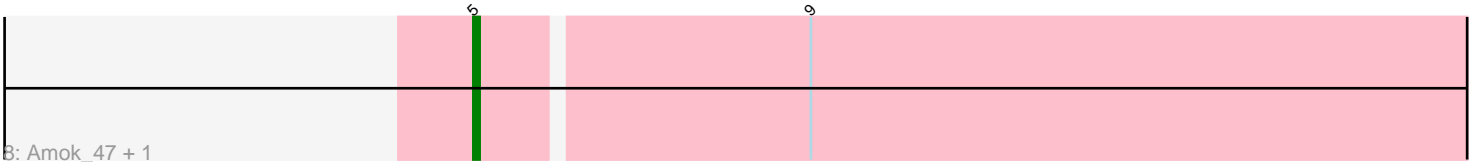
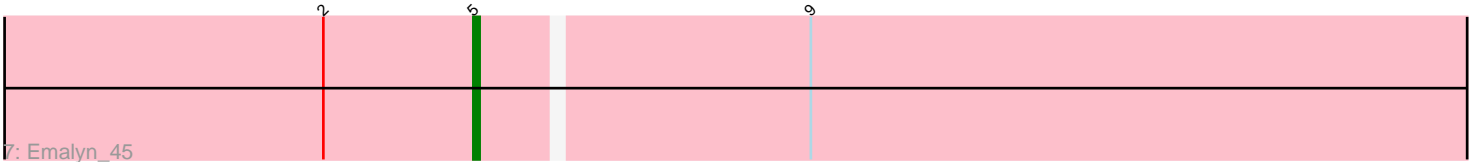
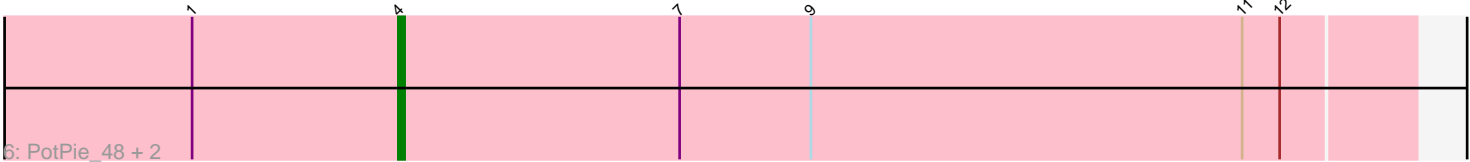
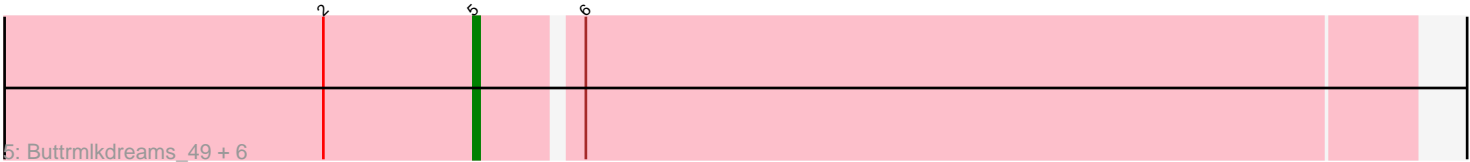
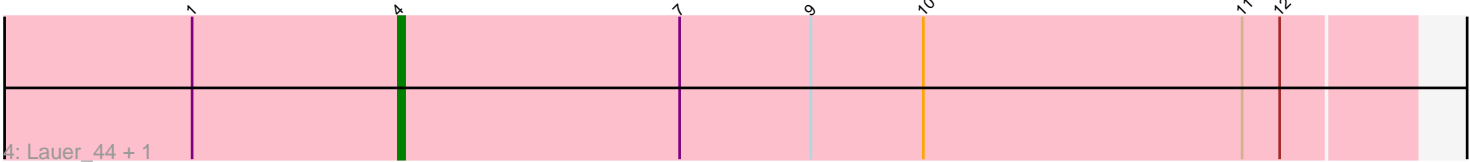
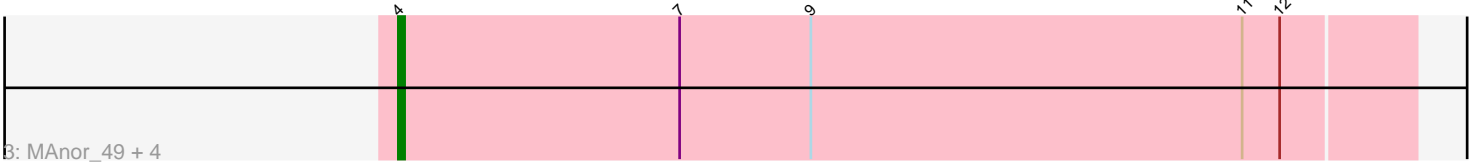
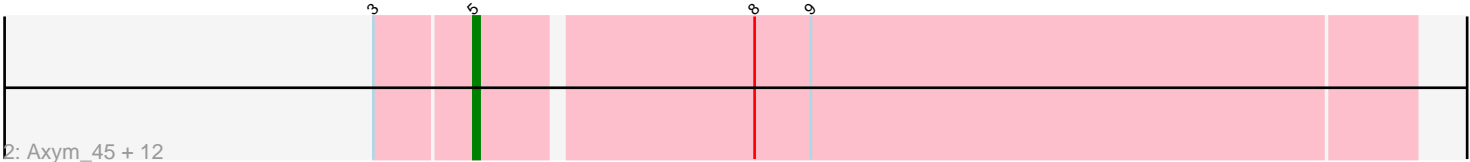


Pham 2579



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 2579 Report

This analysis was run 04/28/24 on database version 559.

Pham number 2579 has 41 members, 10 are drafts.

Phages represented in each track:

- Track 1 : BillDoor_46, Tolls_47, AndPeggy_43, SteamedHams_46, Yarn_43
- Track 2 : Axym_45, Typhonomachy_46, GoldHunter_47, RedBaron_48, Burnsey_46, Sopeespian_44, Elliott_46, Quasar_46, Agatha_46, Nina_45, Cozz_44, PsychoKiller_45, MunkgeeRoachy_47
- Track 3 : MAnor_49, Pons_49, Mayweather_52, CherryonLim_49, SheckWes_51
- Track 4 : Lauer_44, SummitAcademy_47
- Track 5 : Buttrmilkdreams_49, Yummy_49, Troje_49, Horseradish_49, SketchMex_47, Biskit_49, MScarn_51
- Track 6 : PotPie_48, KayGee_48, Elinal_51
- Track 7 : Emalyn_45
- Track 8 : Amok_47, AikoCarson_47
- Track 9 : Feastonyeet_47, BigChungus_47, Vine_50

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 21 of the 31 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Agatha_46, AikoCarson_47, Amok_47, AndPeggy_43, Axym_45, BillDoor_46, Biskit_49, Burnsey_46, Buttrmilkdreams_49, Cozz_44, Elliott_46, Emalyn_45, GoldHunter_47, Horseradish_49, MScarn_51, MunkgeeRoachy_47, Nina_45, PsychoKiller_45, Quasar_46, RedBaron_48, SketchMex_47, Sopeespian_44, SteamedHams_46, Tolls_47, Troje_49, Typhonomachy_46, Yarn_43, Yummy_49,

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

-

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

- BigChungus_47, CherryonLim_49, Elinal_51, Feastonyeet_47, KayGee_48, Lauer_44, MAnor_49, Mayweather_52, Pons_49, PotPie_48, SheckWes_51, SummitAcademy_47, Vine_50,

Summary by start number:

Start 4:

- Found in 13 of 41 (31.7%) of genes in pham
- Manual Annotations of this start: 10 of 31
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BigChungus_47 (CT), CherryonLim_49 (CT), Elinal_51 (CT), Feastonyeet_47 (CT), KayGee_48 (CT), Lauer_44 (CT), MAnor_49 (CT), Mayweather_52 (CT), Pons_49 (CT), PotPie_48 (CT), SheckWes_51 (CT), SummitAcademy_47 (CT), Vine_50 (CT),

Start 5:

- Found in 28 of 41 (68.3%) of genes in pham
- Manual Annotations of this start: 21 of 31
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Agatha_46 (CT), AikoCarson_47 (CT), Amok_47 (CT), AndPeggy_43 (CT), Axym_45 (CT), BillDoor_46 (CT), Biskit_49 (CT), Burnsey_46 (CT), Buttrmlkdreams_49 (CT), Cozz_44 (CT), Eliott_46 (CT), Emalyn_45 (CT), GoldHunter_47 (CT), Horseradish_49 (CT), MScarn_51 (CT), MunkgeeRoachy_47 (CT), Nina_45 (CT), PsychoKiller_45 (CT), Quasar_46 (CT), RedBaron_48 (CT), SketchMex_47 (CT), Sopespian_44 (CT), SteamedHams_46 (CT), Tolls_47 (CT), Troje_49 (CT), Typhonomachy_46 (CT), Yarn_43 (CT), Yummy_49 (CT),

Summary by clusters:

There is one cluster represented in this pham: CT

Info for manual annotations of cluster CT:

- Start number 4 was manually annotated 10 times for cluster CT.
- Start number 5 was manually annotated 21 times for cluster CT.

Gene Information:

Gene: Agatha_46 Start: 34050, Stop: 33904, Start Num: 5

Candidate Starts for Agatha_46:

(3, 34065), (Start: 5 @34050 has 21 MA's), (8, 34008), (9, 33999),

Gene: AikoCarson_47 Start: 34243, Stop: 34082, Start Num: 5

Candidate Starts for AikoCarson_47:

(Start: 5 @34243 has 21 MA's), (9, 34192),

Gene: Amok_47 Start: 34267, Stop: 34106, Start Num: 5

Candidate Starts for Amok_47:

(Start: 5 @34267 has 21 MA's), (9, 34216),

Gene: AndPeggy_43 Start: 33583, Stop: 33437, Start Num: 5

Candidate Starts for AndPeggy_43:

(Start: 5 @33583 has 21 MA's),

Gene: Axym_45 Start: 33947, Stop: 33801, Start Num: 5

Candidate Starts for Axym_45:

(3, 33962), (Start: 5 @33947 has 21 MA's), (8, 33905), (9, 33896),

Gene: BigChungus_47 Start: 35266, Stop: 35105, Start Num: 4

Candidate Starts for BigChungus_47:

(1, 35299), (Start: 4 @35266 has 10 MA's), (7, 35221), (9, 35200), (11, 35131),

Gene: BillDoor_46 Start: 33255, Stop: 33109, Start Num: 5

Candidate Starts for BillDoor_46:

(Start: 5 @33255 has 21 MA's),

Gene: Biskit_49 Start: 34212, Stop: 34066, Start Num: 5

Candidate Starts for Biskit_49:

(2, 34236), (Start: 5 @34212 has 21 MA's), (6, 34197),

Gene: Burnsey_46 Start: 34041, Stop: 33895, Start Num: 5

Candidate Starts for Burnsey_46:

(3, 34056), (Start: 5 @34041 has 21 MA's), (8, 33999), (9, 33990),

Gene: Buttrmlkdreams_49 Start: 34659, Stop: 34513, Start Num: 5

Candidate Starts for Buttrmlkdreams_49:

(2, 34683), (Start: 5 @34659 has 21 MA's), (6, 34644),

Gene: CherryonLim_49 Start: 36850, Stop: 36689, Start Num: 4

Candidate Starts for CherryonLim_49:

(Start: 4 @36850 has 10 MA's), (7, 36805), (9, 36784), (11, 36715), (12, 36709),

Gene: Cozz_44 Start: 33638, Stop: 33492, Start Num: 5

Candidate Starts for Cozz_44:

(3, 33653), (Start: 5 @33638 has 21 MA's), (8, 33596), (9, 33587),

Gene: Elinal_51 Start: 35648, Stop: 35487, Start Num: 4

Candidate Starts for Elinal_51:

(1, 35681), (Start: 4 @35648 has 10 MA's), (7, 35603), (9, 35582), (11, 35513), (12, 35507),

Gene: Elliott_46 Start: 33936, Stop: 33790, Start Num: 5

Candidate Starts for Elliott_46:

(3, 33951), (Start: 5 @33936 has 21 MA's), (8, 33894), (9, 33885),

Gene: Emalyn_45 Start: 33059, Stop: 32898, Start Num: 5

Candidate Starts for Emalyn_45:

(2, 33083), (Start: 5 @33059 has 21 MA's), (9, 33008),

Gene: Feastonyeet_47 Start: 35266, Stop: 35105, Start Num: 4

Candidate Starts for Feastonyeet_47:

(1, 35299), (Start: 4 @35266 has 10 MA's), (7, 35221), (9, 35200), (11, 35131),

Gene: GoldHunter_47 Start: 34050, Stop: 33904, Start Num: 5

Candidate Starts for GoldHunter_47:

(3, 34065), (Start: 5 @34050 has 21 MA's), (8, 34008), (9, 33999),

Gene: Horseradish_49 Start: 34145, Stop: 33999, Start Num: 5

Candidate Starts for Horseradish_49:

(2, 34169), (Start: 5 @34145 has 21 MA's), (6, 34130),

Gene: KayGee_48 Start: 35648, Stop: 35487, Start Num: 4

Candidate Starts for KayGee_48:

(1, 35681), (Start: 4 @35648 has 10 MA's), (7, 35603), (9, 35582), (11, 35513), (12, 35507),

Gene: Lauer_44 Start: 36670, Stop: 36509, Start Num: 4

Candidate Starts for Lauer_44:

(1, 36703), (Start: 4 @36670 has 10 MA's), (7, 36625), (9, 36604), (10, 36586), (11, 36535), (12, 36529),

Gene: MAnor_49 Start: 35990, Stop: 35829, Start Num: 4

Candidate Starts for MAnor_49:

(Start: 4 @35990 has 10 MA's), (7, 35945), (9, 35924), (11, 35855), (12, 35849),

Gene: MScarn_51 Start: 34327, Stop: 34181, Start Num: 5

Candidate Starts for MScarn_51:

(2, 34351), (Start: 5 @34327 has 21 MA's), (6, 34312),

Gene: Mayweather_52 Start: 36735, Stop: 36574, Start Num: 4

Candidate Starts for Mayweather_52:

(Start: 4 @36735 has 10 MA's), (7, 36690), (9, 36669), (11, 36600), (12, 36594),

Gene: MunkgeeRoachy_47 Start: 33399, Stop: 33253, Start Num: 5

Candidate Starts for MunkgeeRoachy_47:

(3, 33414), (Start: 5 @33399 has 21 MA's), (8, 33357), (9, 33348),

Gene: Nina_45 Start: 34174, Stop: 34028, Start Num: 5

Candidate Starts for Nina_45:

(3, 34189), (Start: 5 @34174 has 21 MA's), (8, 34132), (9, 34123),

Gene: Pons_49 Start: 35620, Stop: 35459, Start Num: 4

Candidate Starts for Pons_49:

(Start: 4 @35620 has 10 MA's), (7, 35575), (9, 35554), (11, 35485), (12, 35479),

Gene: PotPie_48 Start: 36301, Stop: 36140, Start Num: 4

Candidate Starts for PotPie_48:

(1, 36334), (Start: 4 @36301 has 10 MA's), (7, 36256), (9, 36235), (11, 36166), (12, 36160),

Gene: PsychoKiller_45 Start: 33937, Stop: 33791, Start Num: 5

Candidate Starts for PsychoKiller_45:

(3, 33952), (Start: 5 @33937 has 21 MA's), (8, 33895), (9, 33886),

Gene: Quasar_46 Start: 34599, Stop: 34453, Start Num: 5

Candidate Starts for Quasar_46:

(3, 34614), (Start: 5 @34599 has 21 MA's), (8, 34557), (9, 34548),

Gene: RedBaron_48 Start: 34266, Stop: 34120, Start Num: 5

Candidate Starts for RedBaron_48:

(3, 34281), (Start: 5 @34266 has 21 MA's), (8, 34224), (9, 34215),

Gene: SheckWes_51 Start: 35325, Stop: 35164, Start Num: 4

Candidate Starts for SheckWes_51:

(Start: 4 @35325 has 10 MA's), (7, 35280), (9, 35259), (11, 35190), (12, 35184),

Gene: SketchMex_47 Start: 34212, Stop: 34066, Start Num: 5

Candidate Starts for SketchMex_47:

(2, 34236), (Start: 5 @34212 has 21 MA's), (6, 34197),

Gene: Sopespian_44 Start: 33938, Stop: 33792, Start Num: 5

Candidate Starts for Sopespian_44:

(3, 33953), (Start: 5 @33938 has 21 MA's), (8, 33896), (9, 33887),

Gene: SteamedHams_46 Start: 33435, Stop: 33289, Start Num: 5

Candidate Starts for SteamedHams_46:

(Start: 5 @33435 has 21 MA's),

Gene: SummitAcademy_47 Start: 35390, Stop: 35229, Start Num: 4

Candidate Starts for SummitAcademy_47:

(1, 35423), (Start: 4 @35390 has 10 MA's), (7, 35345), (9, 35324), (10, 35306), (11, 35255), (12, 35249),

Gene: Tolls_47 Start: 33828, Stop: 33682, Start Num: 5

Candidate Starts for Tolls_47:

(Start: 5 @33828 has 21 MA's),

Gene: Troje_49 Start: 34550, Stop: 34404, Start Num: 5

Candidate Starts for Troje_49:

(2, 34574), (Start: 5 @34550 has 21 MA's), (6, 34535),

Gene: Typhonomachy_46 Start: 33760, Stop: 33614, Start Num: 5

Candidate Starts for Typhonomachy_46:

(3, 33775), (Start: 5 @33760 has 21 MA's), (8, 33718), (9, 33709),

Gene: Vine_50 Start: 36067, Stop: 35906, Start Num: 4

Candidate Starts for Vine_50:

(1, 36100), (Start: 4 @36067 has 10 MA's), (7, 36022), (9, 36001), (11, 35932),

Gene: Yarn_43 Start: 33588, Stop: 33442, Start Num: 5

Candidate Starts for Yarn_43:

(Start: 5 @33588 has 21 MA's),

Gene: Yummy_49 Start: 34259, Stop: 34113, Start Num: 5

Candidate Starts for Yummy_49:

(2, 34283), (Start: 5 @34259 has 21 MA's), (6, 34244),