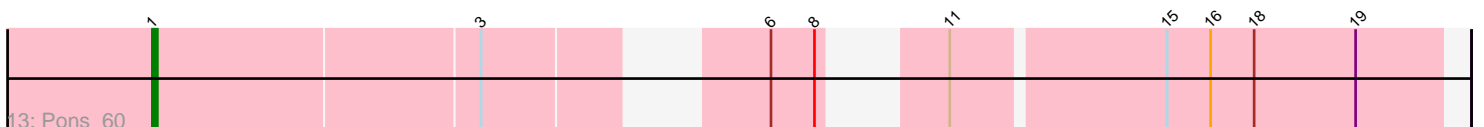
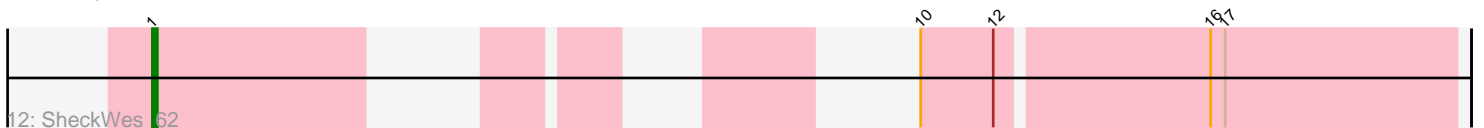
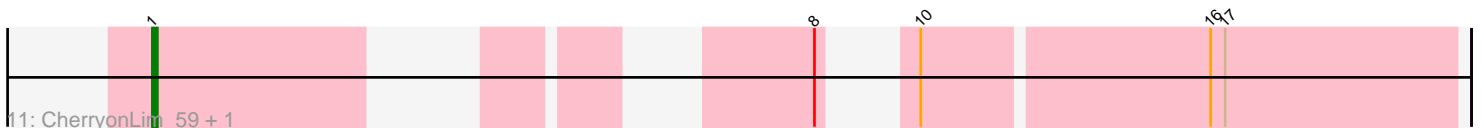
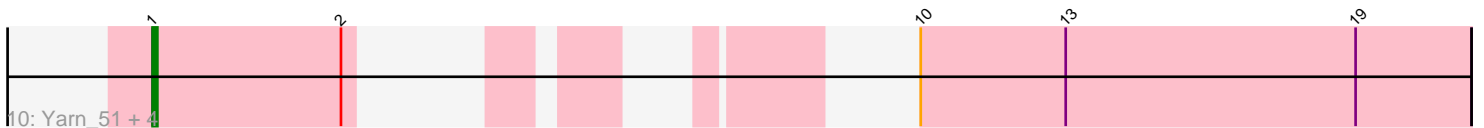
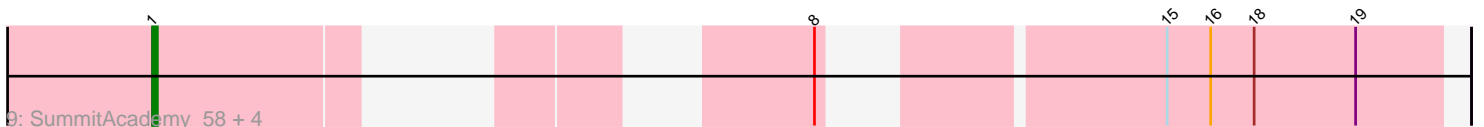
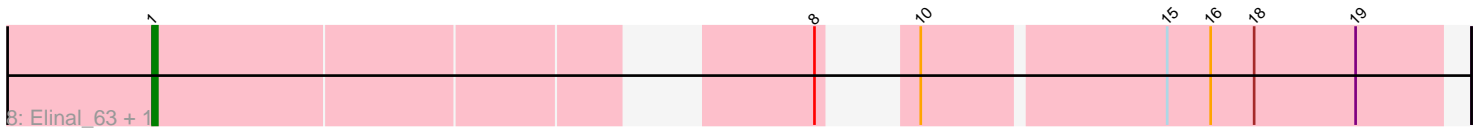
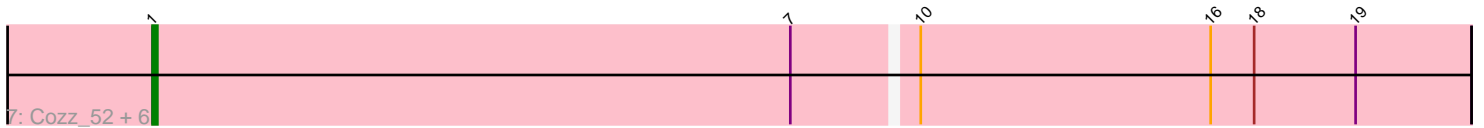
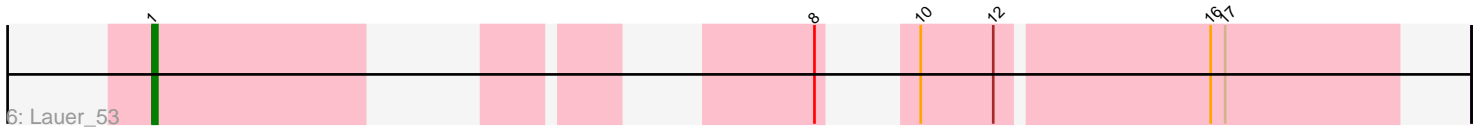
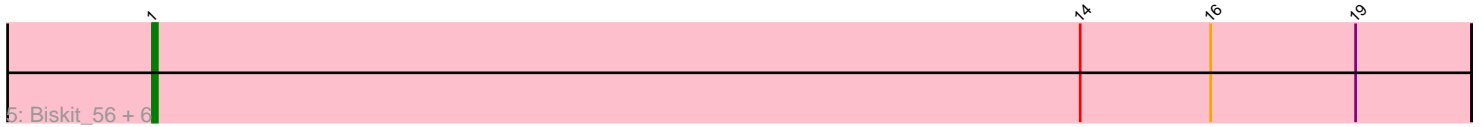
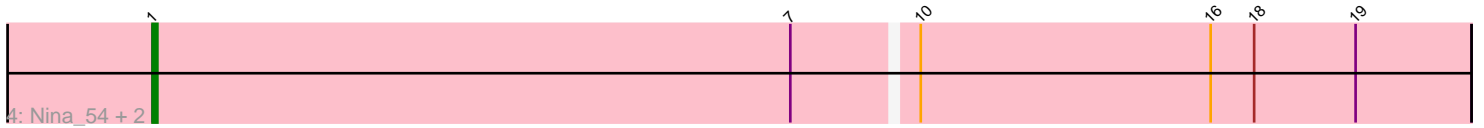
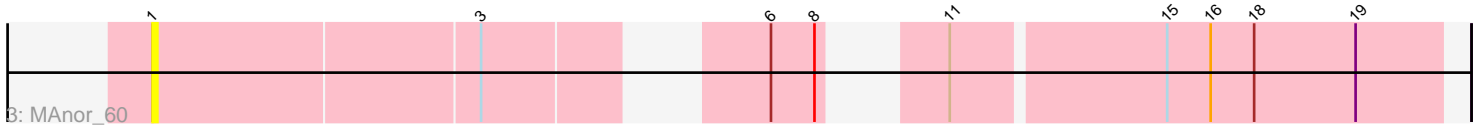
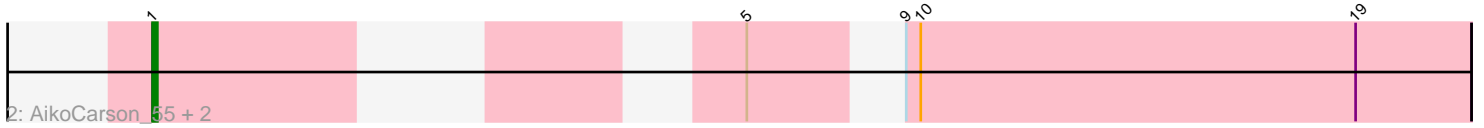


Pham 170105



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 170105 Report

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

Pham number 170105 has 42 members, 9 are drafts.

Phages represented in each track:

- Track 1 : Quasar_54, Agatha_54, Axym_53, GoldHunter_55
- Track 2 : AikoCarson_55, Amok_55, Emalyn_53
- Track 3 : MAnor_60
- Track 4 : Nina_54, Burnsey_54, SweatNTears_56
- Track 5 : Biskit_56, SketchMex_54, Buttrmlkdreams_56, Yummy_56, Troje_56, MScarn_58, Horseradish_56
- Track 6 : Lauer_53
- Track 7 : Cozz_52, PsychoKiller_53, MunkgeeRoachy_55, Typhonomachy_54, Sopespian_51, Elliott_54, RedBaron_58
- Track 8 : Elinal_63, KayGee_60
- Track 9 : SummitAcademy_58, BigChungus_58, PotPie_58, Vine_61, Feastonyeet_58
- Track 10 : Yarn_51, SteamedHams_55, Tolls_55, AndPeggy_51, BillDoor_54
- Track 11 : CherryonLim_59, Mayweather_62
- Track 12 : SheckWes_62
- Track 13 : Pons_60

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

The start number called the most often in the published annotations is 1, it was called in 33 of the 33 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Agatha_54, AikoCarson_55, Amok_55, AndPeggy_51, Axym_53, BigChungus_58, BillDoor_54, Biskit_56, Burnsey_54, Buttrmlkdreams_56, CherryonLim_59, Cozz_52, Elinal_63, Elliott_54, Emalyn_53, Feastonyeet_58, GoldHunter_55, Horseradish_56, KayGee_60, Lauer_53, MAnor_60, MScarn_58, Mayweather_62, MunkgeeRoachy_55, Nina_54, Pons_60, PotPie_58, PsychoKiller_53, Quasar_54, RedBaron_58, SheckWes_62, SketchMex_54, Sopespian_51, SteamedHams_55, SummitAcademy_58, SweatNTears_56, Tolls_55, Troje_56, Typhonomachy_54, Vine_61, Yarn_51, Yummy_56,

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 1:

- Found in 42 of 42 (100.0%) of genes in pham
- Manual Annotations of this start: 33 of 33
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Agatha_54 (CT), AikoCarson_55 (CT), Amok_55 (CT), AndPeggy_51 (CT), Axym_53 (CT), BigChungus_58 (CT), BillDoor_54 (CT), Biskit_56 (CT), Burnsey_54 (CT), Buttrmlkdreams_56 (CT), CherryonLim_59 (CT), Cozz_52 (CT), Elinal_63 (CT), Elliott_54 (CT), Emalyn_53 (CT), Feastonyeet_58 (CT), GoldHunter_55 (CT), Horseradish_56 (CT), KayGee_60 (CT), Lauer_53 (CT), MAnor_60 (CT), MScarn_58 (CT), Mayweather_62 (CT), MunkgeeRoachy_55 (CT), Nina_54 (CT), Pons_60 (CT), PotPie_58 (CT), PsychoKiller_53 (CT), Quasar_54 (CT), RedBaron_58 (CT), SheckWes_62 (CT), SketchMex_54 (CT), Sopesian_51 (CT), SteamedHams_55 (CT), SummitAcademy_58 (CT), SweatNTears_56 (CT), Tolls_55 (CT), Troje_56 (CT), Typhonomachy_54 (CT), Vine_61 (CT), Yarn_51 (CT), Yummy_56 (CT),

Summary by clusters:

There is one cluster represented in this pham: CT

Info for manual annotations of cluster CT:

- Start number 1 was manually annotated 33 times for cluster CT.

Gene Information:

Gene: Agatha_54 Start: 39108, Stop: 38839, Start Num: 1

Candidate Starts for Agatha_54:

(Start: 1 @39108 has 33 MA's), (4, 38991), (7, 38976), (10, 38952), (16, 38892), (18, 38883), (19, 38862),

Gene: AikoCarson_55 Start: 39322, Stop: 39104, Start Num: 1

Candidate Starts for AikoCarson_55:

(Start: 1 @39322 has 33 MA's), (5, 39241), (9, 39220), (10, 39217), (19, 39127),

Gene: Amok_55 Start: 39250, Stop: 39032, Start Num: 1

Candidate Starts for Amok_55:

(Start: 1 @39250 has 33 MA's), (5, 39169), (9, 39148), (10, 39145), (19, 39055),

Gene: AndPeggy_51 Start: 38515, Stop: 38312, Start Num: 1

Candidate Starts for AndPeggy_51:

(Start: 1 @38515 has 33 MA's), (2, 38476), (10, 38425), (13, 38395), (19, 38335),

Gene: Axym_53 Start: 39005, Stop: 38736, Start Num: 1

Candidate Starts for Axym_53:

(Start: 1 @39005 has 33 MA's), (4, 38888), (7, 38873), (10, 38849), (16, 38789), (18, 38780), (19, 38759),

Gene: BigChungus_58 Start: 40881, Stop: 40681, Start Num: 1

Candidate Starts for BigChungus_58:

(Start: 1 @40881 has 33 MA's), (8, 40791), (15, 40737), (16, 40728), (18, 40719), (19, 40698),

Gene: BillDoor_54 Start: 38191, Stop: 37988, Start Num: 1

Candidate Starts for BillDoor_54:

(Start: 1 @38191 has 33 MA's), (2, 38152), (10, 38101), (13, 38071), (19, 38011),

Gene: Biskit_56 Start: 38917, Stop: 38645, Start Num: 1

Candidate Starts for Biskit_56:

(Start: 1 @38917 has 33 MA's), (14, 38725), (16, 38698), (19, 38668),

Gene: Burnsey_54 Start: 39099, Stop: 38830, Start Num: 1

Candidate Starts for Burnsey_54:

(Start: 1 @39099 has 33 MA's), (7, 38967), (10, 38943), (16, 38883), (18, 38874), (19, 38853),

Gene: Buttrmlkdreams_56 Start: 39364, Stop: 39092, Start Num: 1

Candidate Starts for Buttrmlkdreams_56:

(Start: 1 @39364 has 33 MA's), (14, 39172), (16, 39145), (19, 39115),

Gene: CherryonLim_59 Start: 42360, Stop: 42154, Start Num: 1

Candidate Starts for CherryonLim_59:

(Start: 1 @42360 has 33 MA's), (8, 42267), (10, 42261), (16, 42204), (17, 42201),

Gene: Cozz_52 Start: 38696, Stop: 38427, Start Num: 1

Candidate Starts for Cozz_52:

(Start: 1 @38696 has 33 MA's), (7, 38564), (10, 38540), (16, 38480), (18, 38471), (19, 38450),

Gene: Elinal_63 Start: 41689, Stop: 41462, Start Num: 1

Candidate Starts for Elinal_63:

(Start: 1 @41689 has 33 MA's), (8, 41572), (10, 41566), (15, 41518), (16, 41509), (18, 41500), (19, 41479),

Gene: Elliott_54 Start: 38992, Stop: 38723, Start Num: 1

Candidate Starts for Elliott_54:

(Start: 1 @38992 has 33 MA's), (7, 38860), (10, 38836), (16, 38776), (18, 38767), (19, 38746),

Gene: Emalyn_53 Start: 38042, Stop: 37824, Start Num: 1

Candidate Starts for Emalyn_53:

(Start: 1 @38042 has 33 MA's), (5, 37961), (9, 37940), (10, 37937), (19, 37847),

Gene: Feastonyeet_58 Start: 40881, Stop: 40681, Start Num: 1

Candidate Starts for Feastonyeet_58:

(Start: 1 @40881 has 33 MA's), (8, 40791), (15, 40737), (16, 40728), (18, 40719), (19, 40698),

Gene: GoldHunter_55 Start: 39109, Stop: 38840, Start Num: 1

Candidate Starts for GoldHunter_55:

(Start: 1 @39109 has 33 MA's), (4, 38992), (7, 38977), (10, 38953), (16, 38893), (18, 38884), (19, 38863),

Gene: Horseradish_56 Start: 38850, Stop: 38578, Start Num: 1
Candidate Starts for Horseradish_56:
(Start: 1 @38850 has 33 MA's), (14, 38658), (16, 38631), (19, 38601),

Gene: KayGee_60 Start: 41689, Stop: 41462, Start Num: 1
Candidate Starts for KayGee_60:
(Start: 1 @41689 has 33 MA's), (8, 41572), (10, 41566), (15, 41518), (16, 41509), (18, 41500), (19, 41479),

Gene: Lauer_53 Start: 41866, Stop: 41672, Start Num: 1
Candidate Starts for Lauer_53:
(Start: 1 @41866 has 33 MA's), (8, 41773), (10, 41767), (12, 41752), (16, 41710), (17, 41707),

Gene: MAnor_60 Start: 41820, Stop: 41593, Start Num: 1
Candidate Starts for MAnor_60:
(Start: 1 @41820 has 33 MA's), (3, 41754), (6, 41712), (8, 41703), (11, 41691), (15, 41649), (16, 41640), (18, 41631), (19, 41610),

Gene: MScarn_58 Start: 39032, Stop: 38760, Start Num: 1
Candidate Starts for MScarn_58:
(Start: 1 @39032 has 33 MA's), (14, 38840), (16, 38813), (19, 38783),

Gene: Mayweather_62 Start: 42083, Stop: 41889, Start Num: 1
Candidate Starts for Mayweather_62:
(Start: 1 @42083 has 33 MA's), (8, 41990), (10, 41984), (16, 41927), (17, 41924),

Gene: MunkgeeRoachy_55 Start: 38455, Stop: 38186, Start Num: 1
Candidate Starts for MunkgeeRoachy_55:
(Start: 1 @38455 has 33 MA's), (7, 38323), (10, 38299), (16, 38239), (18, 38230), (19, 38209),

Gene: Nina_54 Start: 39595, Stop: 39326, Start Num: 1
Candidate Starts for Nina_54:
(Start: 1 @39595 has 33 MA's), (7, 39463), (10, 39439), (16, 39379), (18, 39370), (19, 39349),

Gene: Pons_60 Start: 41425, Stop: 41198, Start Num: 1
Candidate Starts for Pons_60:
(Start: 1 @41425 has 33 MA's), (3, 41359), (6, 41317), (8, 41308), (11, 41296), (15, 41254), (16, 41245), (18, 41236), (19, 41215),

Gene: PotPie_58 Start: 41916, Stop: 41716, Start Num: 1
Candidate Starts for PotPie_58:
(Start: 1 @41916 has 33 MA's), (8, 41826), (15, 41772), (16, 41763), (18, 41754), (19, 41733),

Gene: PsychoKiller_53 Start: 38993, Stop: 38724, Start Num: 1
Candidate Starts for PsychoKiller_53:
(Start: 1 @38993 has 33 MA's), (7, 38861), (10, 38837), (16, 38777), (18, 38768), (19, 38747),

Gene: Quasar_54 Start: 39697, Stop: 39428, Start Num: 1
Candidate Starts for Quasar_54:
(Start: 1 @39697 has 33 MA's), (4, 39580), (7, 39565), (10, 39541), (16, 39481), (18, 39472), (19, 39451),

Gene: RedBaron_58 Start: 40070, Stop: 39801, Start Num: 1

Candidate Starts for RedBaron_58:

(Start: 1 @40070 has 33 MA's), (7, 39938), (10, 39914), (16, 39854), (18, 39845), (19, 39824),

Gene: SheckWes_62 Start: 40956, Stop: 40756, Start Num: 1

Candidate Starts for SheckWes_62:

(Start: 1 @40956 has 33 MA's), (10, 40863), (12, 40848), (16, 40806), (17, 40803),

Gene: SketchMex_54 Start: 38917, Stop: 38645, Start Num: 1

Candidate Starts for SketchMex_54:

(Start: 1 @38917 has 33 MA's), (14, 38725), (16, 38698), (19, 38668),

Gene: Sopespian_51 Start: 38994, Stop: 38725, Start Num: 1

Candidate Starts for Sopespian_51:

(Start: 1 @38994 has 33 MA's), (7, 38862), (10, 38838), (16, 38778), (18, 38769), (19, 38748),

Gene: SteamedHams_55 Start: 38492, Stop: 38289, Start Num: 1

Candidate Starts for SteamedHams_55:

(Start: 1 @38492 has 33 MA's), (2, 38453), (10, 38402), (13, 38372), (19, 38312),

Gene: SummitAcademy_58 Start: 41059, Stop: 40859, Start Num: 1

Candidate Starts for SummitAcademy_58:

(Start: 1 @41059 has 33 MA's), (8, 40969), (15, 40915), (16, 40906), (18, 40897), (19, 40876),

Gene: SweatNTears_56 Start: 39236, Stop: 38967, Start Num: 1

Candidate Starts for SweatNTears_56:

(Start: 1 @39236 has 33 MA's), (7, 39104), (10, 39080), (16, 39020), (18, 39011), (19, 38990),

Gene: Tolls_55 Start: 38763, Stop: 38560, Start Num: 1

Candidate Starts for Tolls_55:

(Start: 1 @38763 has 33 MA's), (2, 38724), (10, 38673), (13, 38643), (19, 38583),

Gene: Troje_56 Start: 39255, Stop: 38983, Start Num: 1

Candidate Starts for Troje_56:

(Start: 1 @39255 has 33 MA's), (14, 39063), (16, 39036), (19, 39006),

Gene: Typhonomachy_54 Start: 38818, Stop: 38549, Start Num: 1

Candidate Starts for Typhonomachy_54:

(Start: 1 @38818 has 33 MA's), (7, 38686), (10, 38662), (16, 38602), (18, 38593), (19, 38572),

Gene: Vine_61 Start: 41682, Stop: 41482, Start Num: 1

Candidate Starts for Vine_61:

(Start: 1 @41682 has 33 MA's), (8, 41592), (15, 41538), (16, 41529), (18, 41520), (19, 41499),

Gene: Yarn_51 Start: 38520, Stop: 38317, Start Num: 1

Candidate Starts for Yarn_51:

(Start: 1 @38520 has 33 MA's), (2, 38481), (10, 38430), (13, 38400), (19, 38340),

Gene: Yummy_56 Start: 38964, Stop: 38692, Start Num: 1

Candidate Starts for Yummy_56:

(Start: 1 @38964 has 33 MA's), (14, 38772), (16, 38745), (19, 38715),