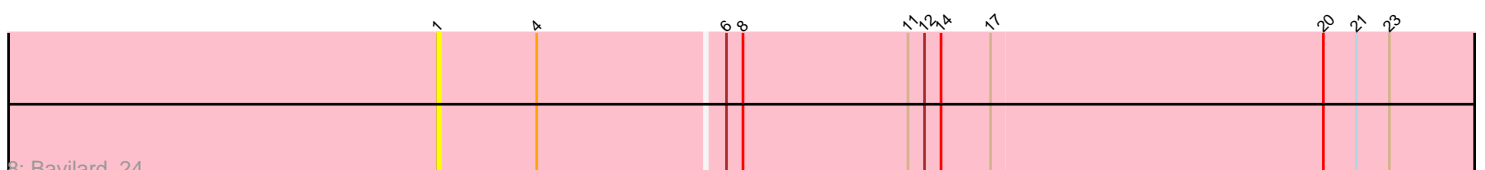
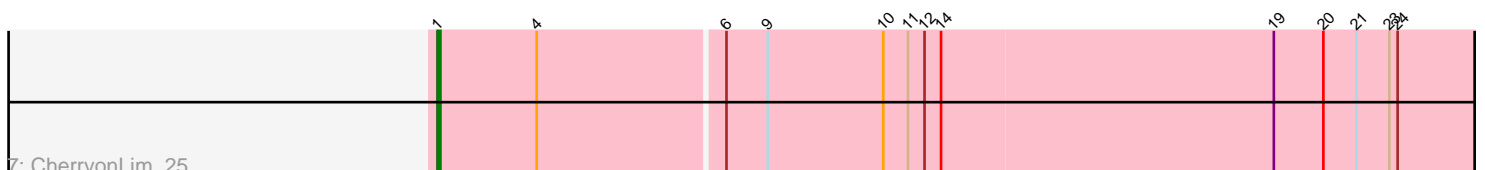
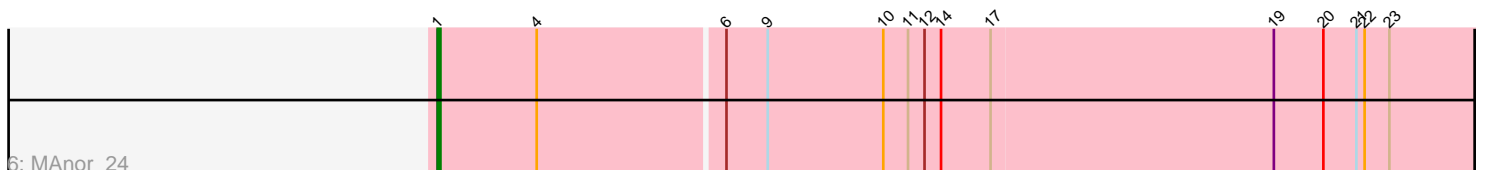
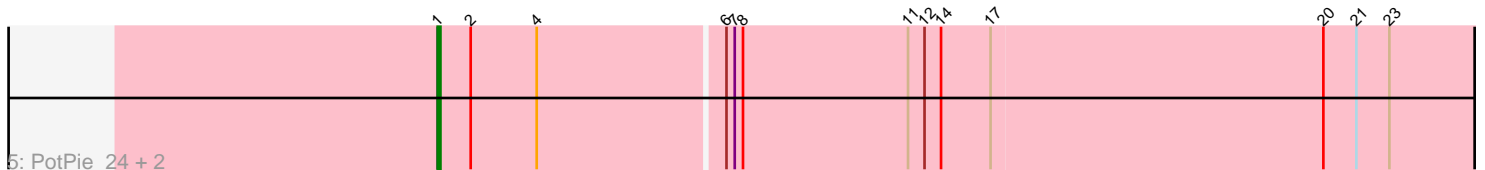
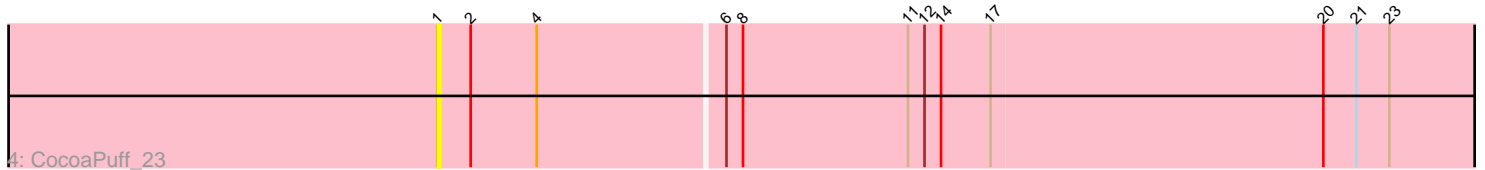
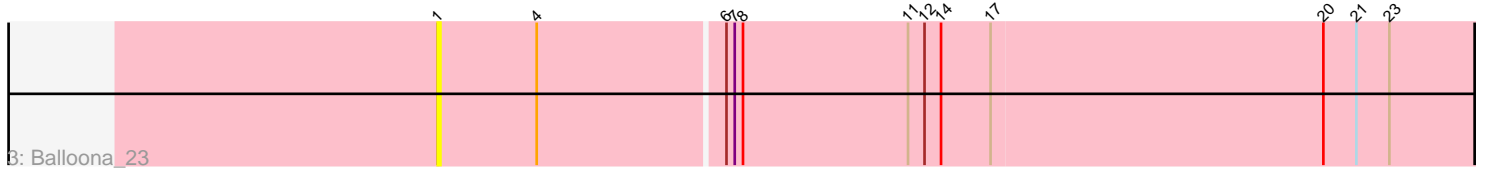
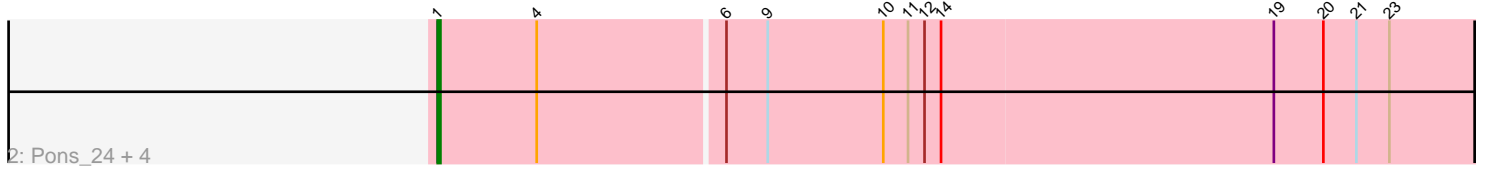
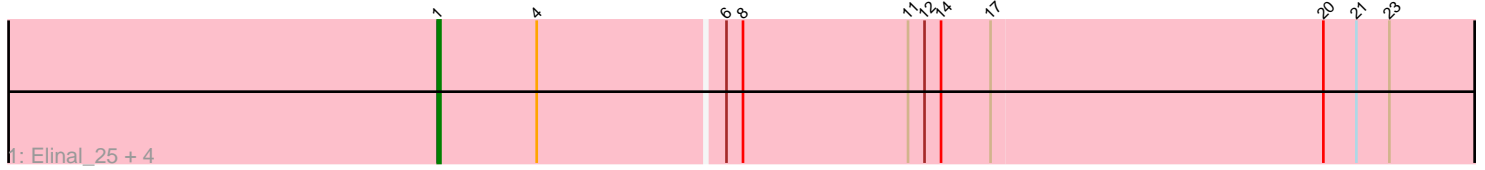


Zoomed Pham 312035



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 312035 Report

This analysis was run 06/27/26 on database version 652.

Pham number 312035 has 20 members, 5 are drafts.

Phages represented in each track:

- Track 1 : Elinal_25, KayGee_24, Vine_25, Lauer_23, Yucky_24
- Track 2 : Pons_24, McDazzle_23, Mayweather_25, Tarnish_24, ElJefes_23
- Track 3 : Balloona_23
- Track 4 : CocoaPuff_23
- Track 5 : PotPie_24, BigChungus_23, Feastonyeet_23
- Track 6 : MAnor_24
- Track 7 : CherryonLim_25
- Track 8 : Bavidard_24
- Track 9 : Stormageddon_7, RedWattleHog_7

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 15 of the 15 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Balloona_23, Bavidard_24, BigChungus_23, CherryonLim_25, CocoaPuff_23, ElJefes_23, Elinal_25, Feastonyeet_23, KayGee_24, Lauer_23, MAnor_24, Mayweather_25, McDazzle_23, Pons_24, PotPie_24, RedWattleHog_7, Stormageddon_7, Tarnish_24, Vine_25, Yucky_24,

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 20 of 20 (100.0%) of genes in pham
- Manual Annotations of this start: 15 of 15
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Balloona_23 (CT), Bavidard_24 (CT), BigChungus_23 (CT), CherryonLim_25 (CT), CocoaPuff_23 (CT), ElJefes_23 (CT), Elinal_25 (CT), Feastonyeet_23 (CT), KayGee_24 (CT), Lauer_23 (CT), MAnor_24 (CT), Mayweather_25 (CT), McDazzle_23 (CT), Pons_24 (CT), PotPie_24 (CT), RedWattleHog_7 (DX), Stormageddon_7 (DX), Tarnish_24 (CT), Vine_25 (CT), Yucky_24 (CT),

Summary by clusters:

There are 2 clusters represented in this pham: DX, CT,

Info for manual annotations of cluster CT:

- Start number 1 was manually annotated 13 times for cluster CT.

Info for manual annotations of cluster DX:

- Start number 1 was manually annotated 2 times for cluster DX.

Gene Information:

Gene: Balloona_23 Start: 19713, Stop: 20276, Start Num: 1

Candidate Starts for Balloona_23:

(Start: 1 @19713 has 15 MA's), (4, 19749), (6, 19815), (7, 19818), (8, 19821), (11, 19881), (12, 19887), (14, 19893), (17, 19911), (20, 20031), (21, 20043), (23, 20055), (25, 20103), (29, 20172), (31, 20253),

Gene: Bavidard_24 Start: 20498, Stop: 21061, Start Num: 1

Candidate Starts for Bavidard_24:

(Start: 1 @20498 has 15 MA's), (4, 20534), (6, 20600), (8, 20606), (11, 20666), (12, 20672), (14, 20678), (17, 20696), (20, 20816), (21, 20828), (23, 20840), (25, 20888), (31, 21038),

Gene: BigChungus_23 Start: 19756, Stop: 20319, Start Num: 1

Candidate Starts for BigChungus_23:

(Start: 1 @19756 has 15 MA's), (2, 19768), (4, 19792), (6, 19858), (7, 19861), (8, 19864), (11, 19924), (12, 19930), (14, 19936), (17, 19954), (20, 20074), (21, 20086), (23, 20098), (25, 20146), (29, 20215), (31, 20296),

Gene: CherryonLim_25 Start: 20466, Stop: 21029, Start Num: 1

Candidate Starts for CherryonLim_25:

(Start: 1 @20466 has 15 MA's), (4, 20502), (6, 20568), (9, 20583), (10, 20625), (11, 20634), (12, 20640), (14, 20646), (19, 20766), (20, 20784), (21, 20796), (23, 20808), (24, 20811), (31, 21006),

Gene: CocoaPuff_23 Start: 19710, Stop: 20273, Start Num: 1

Candidate Starts for CocoaPuff_23:

(Start: 1 @19710 has 15 MA's), (2, 19722), (4, 19746), (6, 19812), (8, 19818), (11, 19878), (12, 19884), (14, 19890), (17, 19908), (20, 20028), (21, 20040), (23, 20052), (25, 20100), (29, 20169), (31, 20250),

Gene: ElJefes_23 Start: 20189, Stop: 20752, Start Num: 1

Candidate Starts for ElJefes_23:

(Start: 1 @20189 has 15 MA's), (4, 20225), (6, 20291), (9, 20306), (10, 20348), (11, 20357), (12, 20363), (14, 20369), (19, 20489), (20, 20507), (21, 20519), (23, 20531), (31, 20729),

Gene: Elinal_25 Start: 19709, Stop: 20272, Start Num: 1

Candidate Starts for Elinal_25:

(Start: 1 @19709 has 15 MA's), (4, 19745), (6, 19811), (8, 19817), (11, 19877), (12, 19883), (14, 19889), (17, 19907), (20, 20027), (21, 20039), (23, 20051), (25, 20099), (29, 20168), (31, 20249),

Gene: Feastonyeet_23 Start: 19756, Stop: 20319, Start Num: 1

Candidate Starts for Feastonyeet_23:

(Start: 1 @19756 has 15 MA's), (2, 19768), (4, 19792), (6, 19858), (7, 19861), (8, 19864), (11, 19924), (12, 19930), (14, 19936), (17, 19954), (20, 20074), (21, 20086), (23, 20098), (25, 20146), (29, 20215), (31, 20296),

Gene: KayGee_24 Start: 19709, Stop: 20272, Start Num: 1

Candidate Starts for KayGee_24:

(Start: 1 @19709 has 15 MA's), (4, 19745), (6, 19811), (8, 19817), (11, 19877), (12, 19883), (14, 19889), (17, 19907), (20, 20027), (21, 20039), (23, 20051), (25, 20099), (29, 20168), (31, 20249),

Gene: Lauer_23 Start: 19759, Stop: 20322, Start Num: 1

Candidate Starts for Lauer_23:

(Start: 1 @19759 has 15 MA's), (4, 19795), (6, 19861), (8, 19867), (11, 19927), (12, 19933), (14, 19939), (17, 19957), (20, 20077), (21, 20089), (23, 20101), (25, 20149), (29, 20218), (31, 20299),

Gene: MAnor_24 Start: 19726, Stop: 20289, Start Num: 1

Candidate Starts for MAnor_24:

(Start: 1 @19726 has 15 MA's), (4, 19762), (6, 19828), (9, 19843), (10, 19885), (11, 19894), (12, 19900), (14, 19906), (17, 19924), (19, 20026), (20, 20044), (21, 20056), (22, 20059), (23, 20068), (25, 20116), (31, 20266),

Gene: Mayweather_25 Start: 20342, Stop: 20905, Start Num: 1

Candidate Starts for Mayweather_25:

(Start: 1 @20342 has 15 MA's), (4, 20378), (6, 20444), (9, 20459), (10, 20501), (11, 20510), (12, 20516), (14, 20522), (19, 20642), (20, 20660), (21, 20672), (23, 20684), (31, 20882),

Gene: McDazzle_23 Start: 20183, Stop: 20746, Start Num: 1

Candidate Starts for McDazzle_23:

(Start: 1 @20183 has 15 MA's), (4, 20219), (6, 20285), (9, 20300), (10, 20342), (11, 20351), (12, 20357), (14, 20363), (19, 20483), (20, 20501), (21, 20513), (23, 20525), (31, 20723),

Gene: Pons_24 Start: 19714, Stop: 20277, Start Num: 1

Candidate Starts for Pons_24:

(Start: 1 @19714 has 15 MA's), (4, 19750), (6, 19816), (9, 19831), (10, 19873), (11, 19882), (12, 19888), (14, 19894), (19, 20014), (20, 20032), (21, 20044), (23, 20056), (31, 20254),

Gene: PotPie_24 Start: 20575, Stop: 21138, Start Num: 1

Candidate Starts for PotPie_24:

(Start: 1 @20575 has 15 MA's), (2, 20587), (4, 20611), (6, 20677), (7, 20680), (8, 20683), (11, 20743), (12, 20749), (14, 20755), (17, 20773), (20, 20893), (21, 20905), (23, 20917), (25, 20965), (29, 21034), (31, 21115),

Gene: RedWattleHog_7 Start: 4039, Stop: 4608, Start Num: 1

Candidate Starts for RedWattleHog_7:

(Start: 1 @4039 has 15 MA's), (3, 4072), (4, 4075), (5, 4087), (10, 4201), (13, 4219), (14, 4222), (15, 4228), (16, 4231), (18, 4243), (21, 4372), (25, 4432), (26, 4453), (27, 4468), (28, 4492), (30, 4555),

Gene: Stormageddon_7 Start: 4039, Stop: 4608, Start Num: 1

Candidate Starts for Stormageddon_7:

(Start: 1 @4039 has 15 MA's), (3, 4072), (4, 4075), (5, 4087), (10, 4201), (13, 4219), (14, 4222), (15, 4228), (16, 4231), (18, 4243), (21, 4372), (25, 4432), (26, 4453), (27, 4468), (28, 4492), (30, 4555),

Gene: Tarnish_24 Start: 20082, Stop: 20645, Start Num: 1

Candidate Starts for Tarnish_24:

(Start: 1 @20082 has 15 MA's), (4, 20118), (6, 20184), (9, 20199), (10, 20241), (11, 20250), (12, 20256), (14, 20262), (19, 20382), (20, 20400), (21, 20412), (23, 20424), (31, 20622),

Gene: Vine_25 Start: 20722, Stop: 21285, Start Num: 1

Candidate Starts for Vine_25:

(Start: 1 @20722 has 15 MA's), (4, 20758), (6, 20824), (8, 20830), (11, 20890), (12, 20896), (14, 20902), (17, 20920), (20, 21040), (21, 21052), (23, 21064), (25, 21112), (29, 21181), (31, 21262),

Gene: Yucky_24 Start: 20581, Stop: 21144, Start Num: 1

Candidate Starts for Yucky_24:

(Start: 1 @20581 has 15 MA's), (4, 20617), (6, 20683), (8, 20689), (11, 20749), (12, 20755), (14, 20761), (17, 20779), (20, 20899), (21, 20911), (23, 20923), (25, 20971), (29, 21040), (31, 21121),