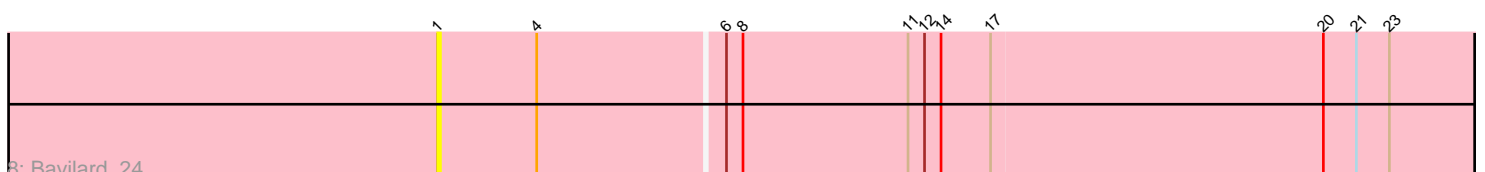
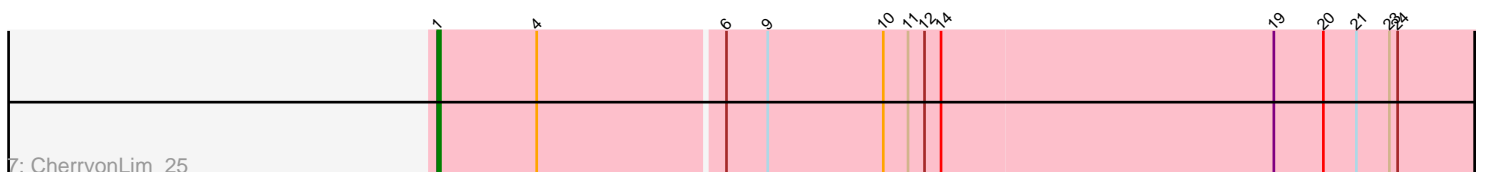
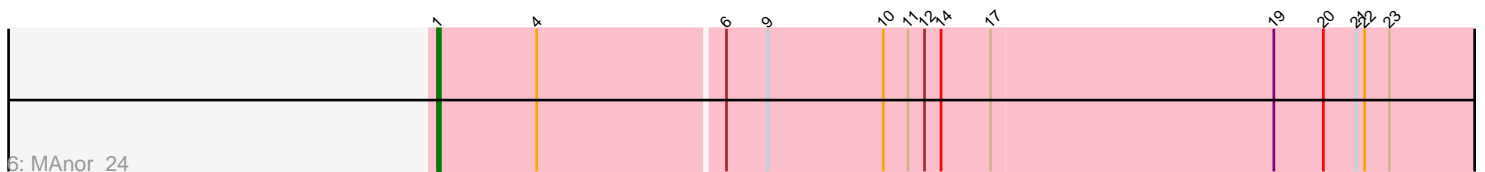
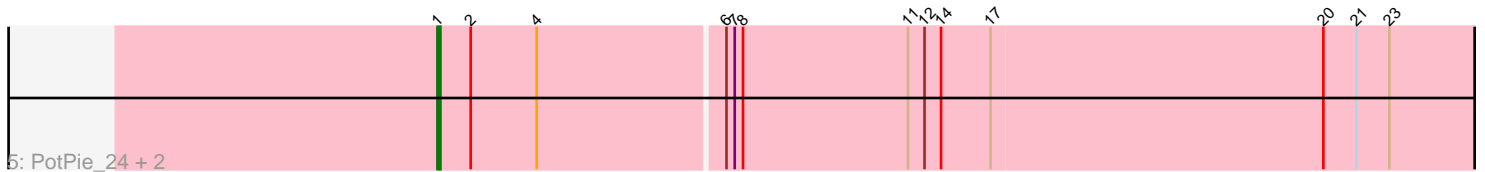
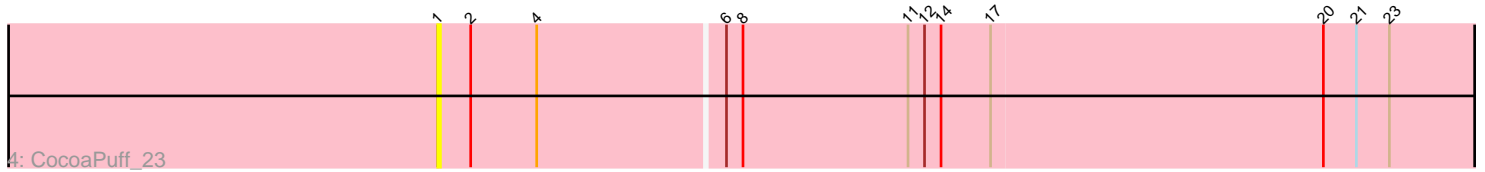
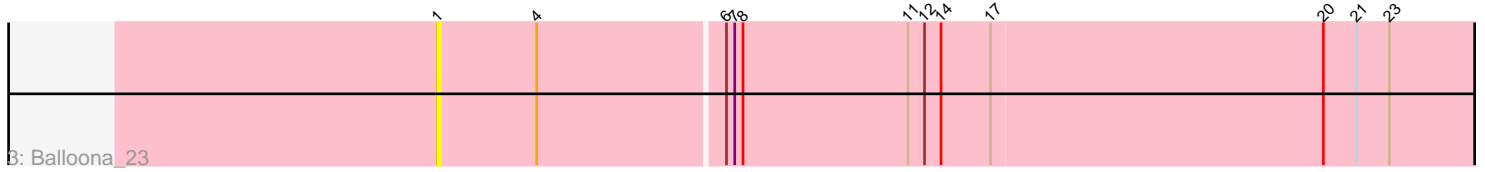
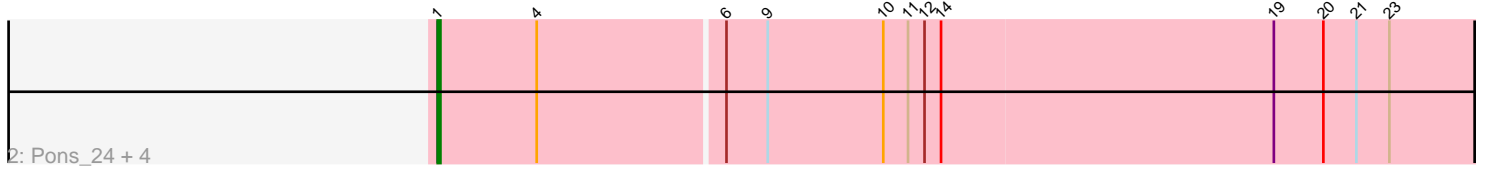
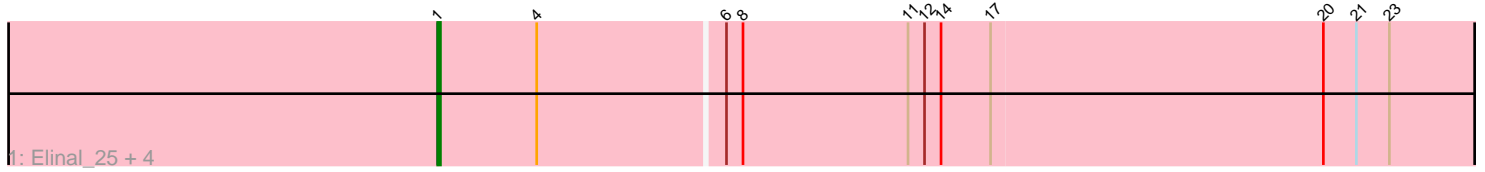


Zoomed Pham 293168



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 293168 Report

This analysis was run 04/18/26 on database version 643.

Pham number 293168 has 20 members, 6 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, ElJefes_23, Tarnish_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 14 of the 14 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_23, 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: 14 of 14
- 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_23 (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 12 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 14 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 14 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 14 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 14 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 14 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 14 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 14 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 14 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 14 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 14 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 14 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 14 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 14 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 14 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 14 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 14 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 14 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_23 Start: 20082, Stop: 20645, Start Num: 1

Candidate Starts for Tarnish_23:

(Start: 1 @20082 has 14 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 14 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 14 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),