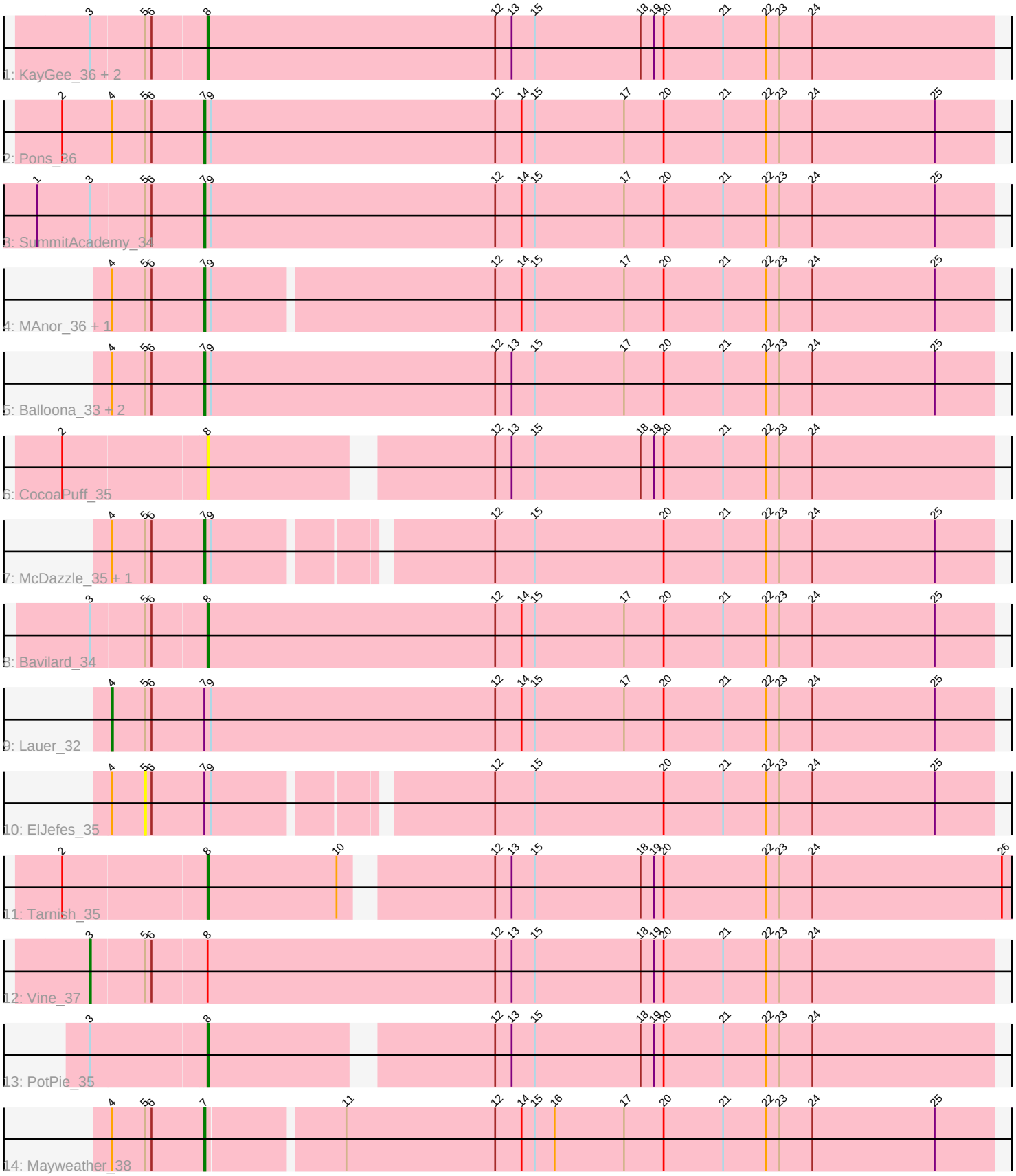
Pham 348052


1: KayGee_36 + 2
2: Pons_36
3: SummitAcademy_34
4: MAnor_36 + 1
5: Balloona_33 + 2
6: CocoaPuff_35
7: McDazzle_35 + 1
8: Bavilard_34
9: Lauer_32
10: ElJefes_35
11: Tarnish_35
12: Vine_37
13: PotPie_35
14: Mayweather_38

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 348052 Report

This analysis was run 11/14/26 on database version 672.

Pham number 348052 has 20 members, 4 are drafts.

Phages represented in each track:
• Track 1 : KayGee_36, Elinal_38, Yucky_37
• Track 2 : Pons_36
• Track 3 : SummitAcademy_34
• Track 4 : MAnor_36, CherryonLim_37
• Track 5 : Balloona_33, BigChungus_34, Feastonyeet_34
• Track 6 : CocoaPuff_35
• Track 7 : McDazzle_35, SheckWes_37
• Track 8 : Bavilard_34
• Track 9 : Lauer_32
• Track 10 : ElJefes_35
• Track 11 : Tarnish_35
• Track 12 : Vine_37
• Track 13 : PotPie_35
• Track 14 : Mayweather_38

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

The start number called the most often in the published annotations is 7, it was called in 8 of the 16 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Balloona_33, BigChungus_34, CherryonLim_37, Feastonyeet_34, MAnor_36, Mayweather_38, McDazzle_35, Pons_36, SheckWes_37, SummitAcademy_34,

Genes that have the "Most Annotated" start but do not call it:
• ElJefes_35, Lauer_32,

Genes that do not have the "Most Annotated" start:
• Bavilard_34, CocoaPuff_35, Elinal_38, KayGee_36, PotPie_35, Tarnish_35, Vine_37, Yucky_37,

Summary by start number:

Start 3:

• Found in 7 of 20 (35.0%) of genes in pham
• Manual Annotations of this start: 1 of 16
• Called 14.3% of time when present
• Phage (with cluster) where this start called: Vine_37 (CT),

Start 4:
• Found in 11 of 20 (55.0%) of genes in pham
• Manual Annotations of this start: 1 of 16
• Called 9.1% of time when present
• Phage (with cluster) where this start called: Lauer_32 (CT),

Start 5:
• Found in 17 of 20 (85.0%) of genes in pham
• No Manual Annotations of this start.
• Called 5.9% of time when present
• Phage (with cluster) where this start called: ElJefes_35 (CT),

Start 7:
• Found in 12 of 20 (60.0%) of genes in pham
• Manual Annotations of this start: 8 of 16
• Called 83.3% of time when present
• Phage (with cluster) where this start called: Balloona_33 (CT), BigChungus_34 (CT), CherryonLim_37 (CT), Feastonyeet_34 (CT), MAnor_36 (CT), Mayweather_38 (CT), McDazzle_35 (CT), Pons_36 (CT), SheckWes_37 (CT), SummitAcademy_34 (CT),

Start 8:
• Found in 8 of 20 (40.0%) of genes in pham
• Manual Annotations of this start: 6 of 16
• Called 87.5% of time when present
• Phage (with cluster) where this start called: Bavilard_34 (CT), CocoaPuff_35 (CT), Elinal_38 (CT), KayGee_36 (CT), PotPie_35 (CT), Tarnish_35 (CT), Yucky_37 (CT),

Summary by clusters:

There is one cluster represented in this pham: CT

Info for manual annotations of cluster CT:
•Start number 3 was manually annotated 1 time for cluster CT.
•Start number 4 was manually annotated 1 time for cluster CT.
•Start number 7 was manually annotated 8 times for cluster CT.
•Start number 8 was manually annotated 6 times for cluster CT.

Gene Information:

Gene: Balloona_33 Start: 26625, Stop: 25909, Start Num: 7
Candidate Starts for Balloona_33:
(Start: 4 @26709 has 1 MA's), (5, 26679), (6, 26673), (Start: 7 @26625 has 8 MA's), (9, 26619), (12, 26361), (13, 26346), (15, 26325), (17, 26244), (20, 26208), (21, 26154), (22, 26115), (23, 26103), (24, 26073), (25, 25962),

Gene: Bavilard_34 Start: 26834, Stop: 26121, Start Num: 8

Candidate Starts for Bavilard_34:
(Start: 3 @26936 has 1 MA's), (5, 26888), (6, 26882), (Start: 8 @26834 has 6 MA's), (12, 26573), (14, 26549), (15, 26537), (17, 26456), (20, 26420), (21, 26366), (22, 26327), (23, 26315), (24, 26285), (25, 26174),

Gene: BigChungus_34 Start: 27021, Stop: 26305, Start Num: 7
Candidate Starts for BigChungus_34:
(Start: 4 @27105 has 1 MA's), (5, 27075), (6, 27069), (Start: 7 @27021 has 8 MA's), (9, 27015), (12, 26757), (13, 26742), (15, 26721), (17, 26640), (20, 26604), (21, 26550), (22, 26511), (23, 26499), (24, 26469), (25, 26358),

Gene: CherryonLim_37 Start: 28152, Stop: 27445, Start Num: 7
Candidate Starts for CherryonLim_37:
(Start: 4 @28236 has 1 MA's), (5, 28206), (6, 28200), (Start: 7 @28152 has 8 MA's), (9, 28146), (12, 27897), (14, 27873), (15, 27861), (17, 27780), (20, 27744), (21, 27690), (22, 27651), (23, 27639), (24, 27609), (25, 27498),

Gene: CocoaPuff_35 Start: 27037, Stop: 26351, Start Num: 8
Candidate Starts for CocoaPuff_35:
(2, 27163), (Start: 8 @27037 has 6 MA's), (12, 26803), (13, 26788), (15, 26767), (18, 26671), (19, 26659), (20, 26650), (21, 26596), (22, 26557), (23, 26545), (24, 26515),

Gene: ElJefes_35 Start: 27402, Stop: 26662, Start Num: 5
Candidate Starts for ElJefes_35:
(Start: 4 @27432 has 1 MA's), (5, 27402), (6, 27396), (Start: 7 @27348 has 8 MA's), (9, 27342), (12, 27114), (15, 27078), (20, 26961), (21, 26907), (22, 26868), (23, 26856), (24, 26826), (25, 26715),

Gene: Elinal_38 Start: 27399, Stop: 26686, Start Num: 8
Candidate Starts for Elinal_38:
(Start: 3 @27501 has 1 MA's), (5, 27453), (6, 27447), (Start: 8 @27399 has 6 MA's), (12, 27138), (13, 27123), (15, 27102), (18, 27006), (19, 26994), (20, 26985), (21, 26931), (22, 26892), (23, 26880), (24, 26850),

Gene: Feastonyeet_34 Start: 27021, Stop: 26305, Start Num: 7
Candidate Starts for Feastonyeet_34:
(Start: 4 @27105 has 1 MA's), (5, 27075), (6, 27069), (Start: 7 @27021 has 8 MA's), (9, 27015), (12, 26757), (13, 26742), (15, 26721), (17, 26640), (20, 26604), (21, 26550), (22, 26511), (23, 26499), (24, 26469), (25, 26358),

Gene: KayGee_36 Start: 27399, Stop: 26686, Start Num: 8
Candidate Starts for KayGee_36:
(Start: 3 @27501 has 1 MA's), (5, 27453), (6, 27447), (Start: 8 @27399 has 6 MA's), (12, 27138), (13, 27123), (15, 27102), (18, 27006), (19, 26994), (20, 26985), (21, 26931), (22, 26892), (23, 26880), (24, 26850),

Gene: Lauer_32 Start: 28305, Stop: 27505, Start Num: 4
Candidate Starts for Lauer_32:
(Start: 4 @28305 has 1 MA's), (5, 28275), (6, 28269), (Start: 7 @28221 has 8 MA's), (9, 28215), (12, 27957), (14, 27933), (15, 27921), (17, 27840), (20, 27804), (21, 27750), (22, 27711), (23, 27699), (24, 27669), (25, 27558),

Gene: MAnor_36 Start: 27792, Stop: 27085, Start Num: 7
Candidate Starts for MAnor_36:

(Start: 4 @27876 has 1 MA's), (5, 27846), (6, 27840), (Start: 7 @27792 has 8 MA's), (9, 27786), (12, 27537), (14, 27513), (15, 27501), (17, 27420), (20, 27384), (21, 27330), (22, 27291), (23, 27279), (24, 27249), (25, 27138),

Gene: Mayweather_38 Start: 28017, Stop: 27313, Start Num: 7
Candidate Starts for Mayweather_38:
(Start: 4 @28101 has 1 MA's), (5, 28071), (6, 28065), (Start: 7 @28017 has 8 MA's), (11, 27900), (12, 27765), (14, 27741), (15, 27729), (16, 27711), (17, 27648), (20, 27612), (21, 27558), (22, 27519), (23, 27507), (24, 27477), (25, 27366),

Gene: McDazzle_35 Start: 27342, Stop: 26656, Start Num: 7
Candidate Starts for McDazzle_35:
(Start: 4 @27426 has 1 MA's), (5, 27396), (6, 27390), (Start: 7 @27342 has 8 MA's), (9, 27336), (12, 27108), (15, 27072), (20, 26955), (21, 26901), (22, 26862), (23, 26850), (24, 26820), (25, 26709),

Gene: Pons_36 Start: 27367, Stop: 26651, Start Num: 7
Candidate Starts for Pons_36:
(2, 27496), (Start: 4 @27451 has 1 MA's), (5, 27421), (6, 27415), (Start: 7 @27367 has 8 MA's), (9, 27361), (12, 27103), (14, 27079), (15, 27067), (17, 26986), (20, 26950), (21, 26896), (22, 26857), (23, 26845), (24, 26815), (25, 26704),

Gene: PotPie_35 Start: 28313, Stop: 27627, Start Num: 8
Candidate Starts for PotPie_35:
(Start: 3 @28415 has 1 MA's), (Start: 8 @28313 has 6 MA's), (12, 28079), (13, 28064), (15, 28043), (18, 27947), (19, 27935), (20, 27926), (21, 27872), (22, 27833), (23, 27821), (24, 27791),

Gene: SheckWes_37 Start: 26888, Stop: 26202, Start Num: 7
Candidate Starts for SheckWes_37:
(Start: 4 @26972 has 1 MA's), (5, 26942), (6, 26936), (Start: 7 @26888 has 8 MA's), (9, 26882), (12, 26654), (15, 26618), (20, 26501), (21, 26447), (22, 26408), (23, 26396), (24, 26366), (25, 26255),

Gene: SummitAcademy_34 Start: 26942, Stop: 26226, Start Num: 7
Candidate Starts for SummitAcademy_34:
(1, 27092), (Start: 3 @27044 has 1 MA's), (5, 26996), (6, 26990), (Start: 7 @26942 has 8 MA's), (9, 26936), (12, 26678), (14, 26654), (15, 26642), (17, 26561), (20, 26525), (21, 26471), (22, 26432), (23, 26420), (24, 26390), (25, 26279),

Gene: Tarnish_35 Start: 27441, Stop: 26737, Start Num: 8
Candidate Starts for Tarnish_35:
(2, 27567), (Start: 8 @27441 has 6 MA's), (10, 27324), (12, 27204), (13, 27189), (15, 27168), (18, 27072), (19, 27060), (20, 27051), (22, 26958), (23, 26946), (24, 26916), (26, 26745),

Gene: Vine_37 Start: 27784, Stop: 26969, Start Num: 3
Candidate Starts for Vine_37:
(Start: 3 @27784 has 1 MA's), (5, 27736), (6, 27730), (Start: 8 @27682 has 6 MA's), (12, 27421), (13, 27406), (15, 27385), (18, 27289), (19, 27277), (20, 27268), (21, 27214), (22, 27175), (23, 27163), (24, 27133),

Gene: Yucky_37 Start: 27610, Stop: 26924, Start Num: 8
Candidate Starts for Yucky_37:
(Start: 3 @27712 has 1 MA's), (5, 27664), (6, 27658), (Start: 8 @27610 has 6 MA's), (12, 27376), (13, 27361), (15, 27340), (18, 27244), (19, 27232), (20, 27223), (21, 27169), (22, 27130), (23, 27118), (24, 27088),