Pham 190226

1: KayGee_36 + 1
2: Pons_36
3: BigChungus_34 + 1
4: SummitAcademy_34
5: MAnor_36 + 1
6: Vine_37
7: SheckWes_37
8: Lauer_32
9: PotPie_35
10: 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 190226 Report

This analysis was run 11/02/24 on database version 579.

Pham number 190226 has 13 members, 0 are drafts.

Phages represented in each track:
• Track 1 : KayGee_36, Elinal_38
• Track 2 : Pons_36
• Track 3 : BigChungus_34, Feastonyeet_34
• Track 4 : SummitAcademy_34
• Track 5 : MAnor_36, CherryonLim_37
• Track 6 : Vine_37
• Track 7 : SheckWes_37
• Track 8 : Lauer_32
• Track 9 : PotPie_35
• Track 10 : 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 13 non-draft genes in the pham.

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

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

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

Summary by start number:

Start 3:
• Found in 5 of 13 (38.5%) of genes in pham
• Manual Annotations of this start: 1 of 13
• Called 20.0% of time when present
• Phage (with cluster) where this start called: Vine_37 (CT),

Start 4:
• Found in 8 of 13 (61.5%) of genes in pham
• Manual Annotations of this start: 1 of 13
• Called 12.5% of time when present
• Phage (with cluster) where this start called: Lauer_32 (CT),

Start 7:
• Found in 9 of 13 (69.2%) of genes in pham
• Manual Annotations of this start: 8 of 13
• Called 88.9% of time when present
• Phage (with cluster) where this start called: BigChungus_34 (CT), CherryonLim_37 (CT), Feastonyeet_34 (CT), MAnor_36 (CT), Mayweather_38 (CT), Pons_36 (CT), SheckWes_37 (CT), SummitAcademy_34 (CT),

Start 8:
• Found in 4 of 13 (30.8%) of genes in pham
• Manual Annotations of this start: 3 of 13
• Called 75.0% of time when present
• Phage (with cluster) where this start called: Elinal_38 (CT), KayGee_36 (CT), PotPie_35 (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 3 times for cluster CT.

Gene Information:

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), (11, 26757), (12, 26742), (14, 26721), (16, 26640), (19, 26604), (20, 26550), (21, 26511), (22, 26499), (23, 26469), (24, 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), (11, 27897), (13, 27873), (14, 27861), (16, 27780), (19, 27744), (20, 27690), (21, 27651), (22, 27639), (23, 27609), (24, 27498),

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 3 MA's), (11, 27138), (12, 27123), (14, 27102), (17, 27006), (18, 26994), (19, 26985), (20, 26931), (21, 26892), (22, 26880), (23, 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), (11, 26757), (12, 26742), (14, 26721), (16, 26640), (19, 26604), (20, 26550), (21, 26511), (22, 26499), (23, 26469), (24, 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 3 MA's), (11, 27138), (12, 27123), (14, 27102), (17, 27006), (18, 26994), (19, 26985), (20, 26931), (21, 26892), (22, 26880), (23, 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), (11, 27957), (13, 27933), (14, 27921), (16, 27840), (19, 27804), (20, 27750), (21, 27711), (22, 27699), (23, 27669), (24, 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), (11, 27537), (13, 27513), (14, 27501), (16, 27420), (19, 27384), (20, 27330), (21, 27291), (22, 27279), (23, 27249), (24, 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), (10, 27900), (11, 27765), (13, 27741), (14, 27729), (15, 27711), (16, 27648), (19, 27612), (20, 27558), (21, 27519), (22, 27507), (23, 27477), (24, 27366),

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), (11, 27103), (13, 27079), (14, 27067), (16, 26986), (19, 26950), (20, 26896), (21, 26857), (22, 26845), (23, 26815), (24, 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 3 MA's), (11, 28079), (12, 28064), (14, 28043), (17, 27947), (18, 27935), (19, 27926), (20, 27872), (21, 27833), (22, 27821), (23, 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), (11, 26654), (14, 26618), (19, 26501), (20, 26447), (21, 26408), (22, 26396), (23, 26366), (24, 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), (11, 26678), (13, 26654), (14, 26642), (16, 26561), (19, 26525), (20, 26471), (21, 26432), (22, 26420), (23, 26390), (24, 26279),

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 3 MA's), (11, 27421), (12, 27406), (14, 27385), (17, 27289), (18, 27277), (19, 27268), (20, 27214), (21, 27175), (22, 27163), (23, 27133),