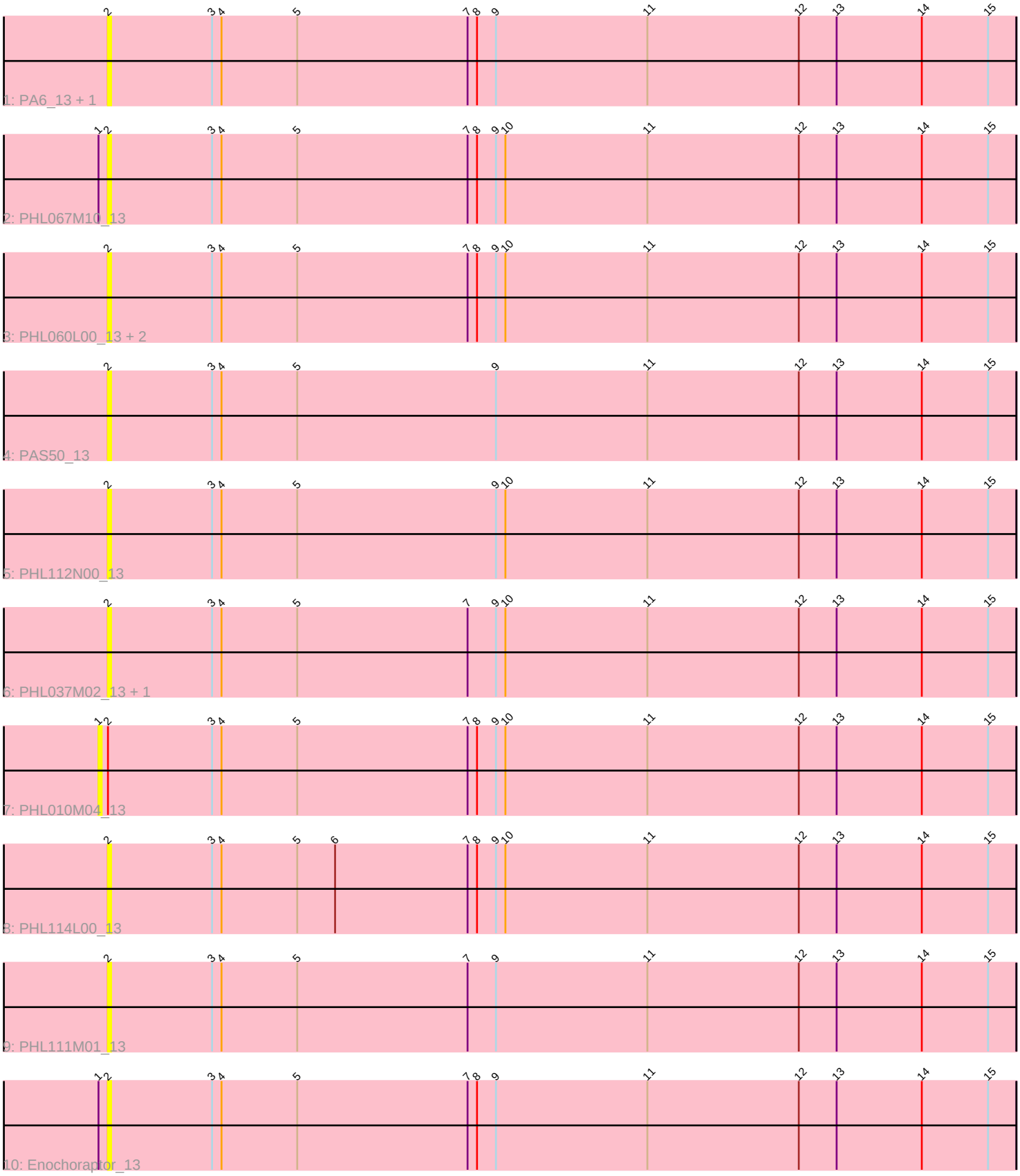
Pham 5045


1: PA6_13 + 1
2: PHL067M10_13
3: PHL060L00_13 + 2
4: PAS50_13
5: PHL112N00_13
6: PHL037M02_13 + 1
7: PHL010M04_13
8: PHL114L00_13
9: PHL111M01_13
10: Enochoraptor_13

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 5045 Report

This analysis was run 04/28/24 on database version 559.

Pham number 5045 has 14 members, 14 are drafts.

Phages represented in each track:
• Track 1 : PA6_13, PHL071N05_13
• Track 2 : PHL067M10_13
• Track 3 : PHL060L00_13, PAD20_13, Rileysaurus_13
• Track 4 : PAS50_13
• Track 5 : PHL112N00_13
• Track 6 : PHL037M02_13, PHL113M01_13
• Track 7 : PHL010M04_13
• Track 8 : PHL114L00_13
• Track 9 : PHL111M01_13
• Track 10 : Enochoraptor_13

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

This pham is comprised of all draft annotations. There are no annotations to summarize.
Summary by start number:

Start 1:
• Found in 3 of 14 (21.4%) of genes in pham
• No Manual Annotations of this start.
• Called 33.3% of time when present
• Phage (with cluster) where this start called: PHL010M04_13 (BU),

Start 2:
• Found in 14 of 14 (100.0%) of genes in pham
• No Manual Annotations of this start.
• Called 92.9% of time when present
• Phage (with cluster) where this start called: Enochoraptor_13 (BU), PA6_13 (BU), PAD20_13 (BU), PAS50_13 (BU), PHL037M02_13 (BU), PHL060L00_13 (BU), PHL067M10_13 (BU), PHL071N05_13 (BU), PHL111M01_13 (BU), PHL112N00_13 (BU), PHL113M01_13 (BU), PHL114L00_13 (BU), Rileysaurus_13 (BU),

Summary by clusters:

There is one cluster represented in this pham: BU

Gene Information:

Gene: Enochoraptor_13 Start: 8222, Stop: 8509, Start Num: 2
Candidate Starts for Enochoraptor_13:
(1, 8219), (2, 8222), (3, 8255), (4, 8258), (5, 8282), (7, 8336), (8, 8339), (9, 8345), (11, 8393), (12, 8441), (13, 8453), (14, 8480), (15, 8501),

Gene: PA6_13 Start: 8237, Stop: 8524, Start Num: 2
Candidate Starts for PA6_13:
(2, 8237), (3, 8270), (4, 8273), (5, 8297), (7, 8351), (8, 8354), (9, 8360), (11, 8408), (12, 8456), (13, 8468), (14, 8495), (15, 8516),

Gene: PAD20_13 Start: 8213, Stop: 8500, Start Num: 2
Candidate Starts for PAD20_13:
(2, 8213), (3, 8246), (4, 8249), (5, 8273), (7, 8327), (8, 8330), (9, 8336), (10, 8339), (11, 8384), (12, 8432), (13, 8444), (14, 8471), (15, 8492),

Gene: PAS50_13 Start: 8222, Stop: 8509, Start Num: 2
Candidate Starts for PAS50_13:
(2, 8222), (3, 8255), (4, 8258), (5, 8282), (9, 8345), (11, 8393), (12, 8441), (13, 8453), (14, 8480), (15, 8501),

Gene: PHL010M04_13 Start: 8207, Stop: 8497, Start Num: 1
Candidate Starts for PHL010M04_13:
(1, 8207), (2, 8210), (3, 8243), (4, 8246), (5, 8270), (7, 8324), (8, 8327), (9, 8333), (10, 8336), (11, 8381), (12, 8429), (13, 8441), (14, 8468), (15, 8489),

Gene: PHL037M02_13 Start: 8226, Stop: 8513, Start Num: 2
Candidate Starts for PHL037M02_13:
(2, 8226), (3, 8259), (4, 8262), (5, 8286), (7, 8340), (9, 8349), (10, 8352), (11, 8397), (12, 8445), (13, 8457), (14, 8484), (15, 8505),

Gene: PHL060L00_13 Start: 8226, Stop: 8513, Start Num: 2
Candidate Starts for PHL060L00_13:
(2, 8226), (3, 8259), (4, 8262), (5, 8286), (7, 8340), (8, 8343), (9, 8349), (10, 8352), (11, 8397), (12, 8445), (13, 8457), (14, 8484), (15, 8505),

Gene: PHL067M10_13 Start: 8193, Stop: 8480, Start Num: 2
Candidate Starts for PHL067M10_13:
(1, 8190), (2, 8193), (3, 8226), (4, 8229), (5, 8253), (7, 8307), (8, 8310), (9, 8316), (10, 8319), (11, 8364), (12, 8412), (13, 8424), (14, 8451), (15, 8472),

Gene: PHL071N05_13 Start: 8221, Stop: 8508, Start Num: 2
Candidate Starts for PHL071N05_13:
(2, 8221), (3, 8254), (4, 8257), (5, 8281), (7, 8335), (8, 8338), (9, 8344), (11, 8392), (12, 8440), (13, 8452), (14, 8479), (15, 8500),

Gene: PHL111M01_13 Start: 8211, Stop: 8498, Start Num: 2

Candidate Starts for PHL111M01_13:
(2, 8211), (3, 8244), (4, 8247), (5, 8271), (7, 8325), (9, 8334), (11, 8382), (12, 8430), (13, 8442), (14, 8469), (15, 8490),

Gene: PHL112N00_13 Start: 8207, Stop: 8494, Start Num: 2
Candidate Starts for PHL112N00_13:
(2, 8207), (3, 8240), (4, 8243), (5, 8267), (9, 8330), (10, 8333), (11, 8378), (12, 8426), (13, 8438), (14, 8465), (15, 8486),

Gene: PHL113M01_13 Start: 8235, Stop: 8522, Start Num: 2
Candidate Starts for PHL113M01_13:
(2, 8235), (3, 8268), (4, 8271), (5, 8295), (7, 8349), (9, 8358), (10, 8361), (11, 8406), (12, 8454), (13, 8466), (14, 8493), (15, 8514),

Gene: PHL114L00_13 Start: 8213, Stop: 8500, Start Num: 2
Candidate Starts for PHL114L00_13:
(2, 8213), (3, 8246), (4, 8249), (5, 8273), (6, 8285), (7, 8327), (8, 8330), (9, 8336), (10, 8339), (11, 8384), (12, 8432), (13, 8444), (14, 8471), (15, 8492),

Gene: Rileysaurus_13 Start: 8207, Stop: 8494, Start Num: 2
Candidate Starts for Rileysaurus_13:
(2, 8207), (3, 8240), (4, 8243), (5, 8267), (7, 8321), (8, 8324), (9, 8330), (10, 8333), (11, 8378), (12, 8426), (13, 8438), (14, 8465), (15, 8486),