Pham 6059

1: Indlulamithi_63
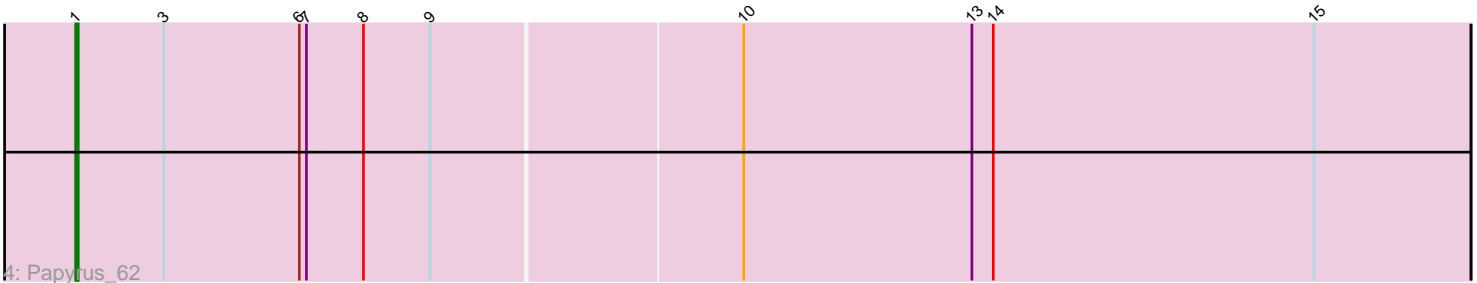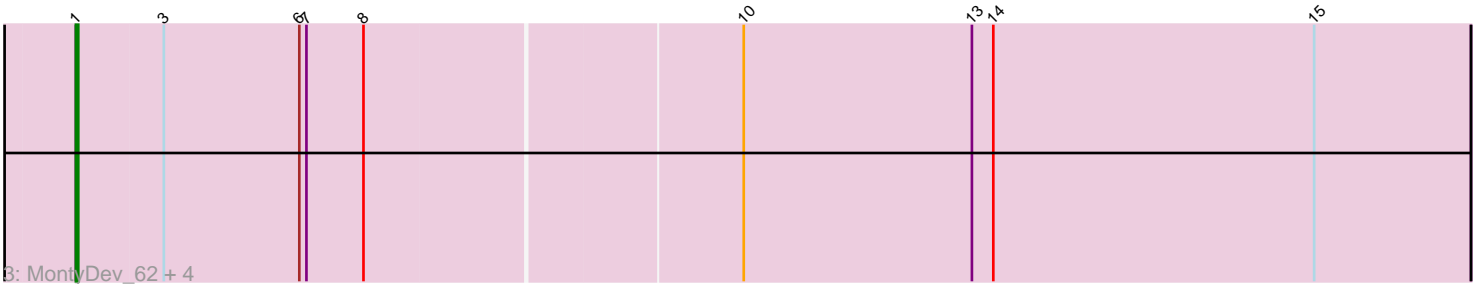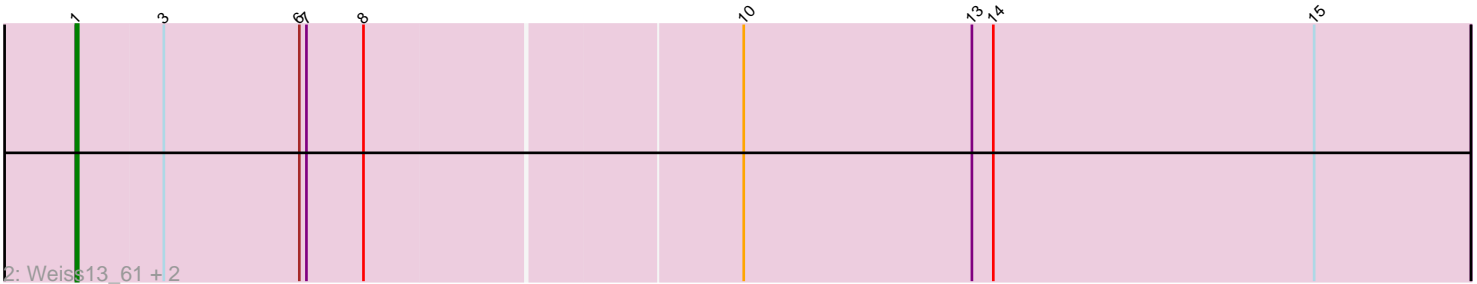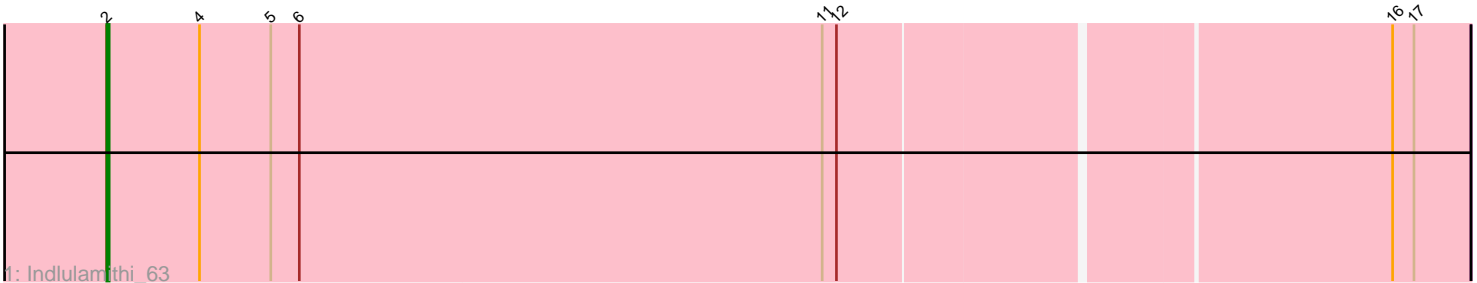
2: Weiss13_61 + 2

3: MontyDev_62 + 4

4: Papyrus_62

5: Yelo_61

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 6059 Report

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

Pham number 6059 has 11 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Indlulamithi_63
• Track 2 : Weiss13_61, Nilo_64, Riparian_64
• Track 3 : MontyDev_62, Send513_62, Rope_62, Zenon_63, Candle_60
• Track 4 : Papyrus_62
• Track 5 : Yelo_61

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 8 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Candle_60, MontyDev_62, Nilo_64, Papyrus_62, Riparian_64, Rope_62, Send513_62, Weiss13_61, Zenon_63,

Genes that have the "Most Annotated" start but do not call it:
• Yelo_61,

Genes that do not have the "Most Annotated" start:
• Indlulamithi_63,

Summary by start number:

Start 1:
• Found in 10 of 11 (90.9%) of genes in pham
• Manual Annotations of this start: 8 of 9
• Called 90.0% of time when present
• Phage (with cluster) where this start called: Candle_60 (R), MontyDev_62 (R), Nilo_64 (R), Papyrus_62 (R), Riparian_64 (R), Rope_62 (R), Send513_62 (R), Weiss13_61 (R), Zenon_63 (R),

Start 2:
• Found in 1 of 11 (9.1%) of genes in pham
• Manual Annotations of this start: 1 of 9

• Called 100.0% of time when present
• Phage (with cluster) where this start called: Indlulamithi_63 (AC),

Start 3:
• Found in 10 of 11 (90.9%) of genes in pham
• No Manual Annotations of this start.
• Called 10.0% of time when present
• Phage (with cluster) where this start called: Yelo_61 (R),

Summary by clusters:

There are 2 clusters represented in this pham: AC, R,

Info for manual annotations of cluster AC:
•Start number 2 was manually annotated 1 time for cluster AC.

Info for manual annotations of cluster R:
•Start number 1 was manually annotated 8 times for cluster R.

Gene Information:

Gene: Candle_60 Start: 46133, Stop: 46711, Start Num: 1
Candidate Starts for Candle_60:
(Start: 1 @46133 has 8 MA's), (3, 46169), (6, 46226), (7, 46229), (8, 46253), (10, 46406), (13, 46502), (14, 46511), (15, 46646),

Gene: Indlulamithi_63 Start: 44697, Stop: 45257, Start Num: 2
Candidate Starts for Indlulamithi_63:
(Start: 2 @44697 has 1 MA's), (4, 44736), (5, 44766), (6, 44778), (11, 44997), (12, 45003), (16, 45225), (17, 45234),

Gene: MontyDev_62 Start: 45780, Stop: 46358, Start Num: 1
Candidate Starts for MontyDev_62:
(Start: 1 @45780 has 8 MA's), (3, 45816), (6, 45873), (7, 45876), (8, 45900), (10, 46053), (13, 46149), (14, 46158), (15, 46293),

Gene: Nilo_64 Start: 46133, Stop: 46711, Start Num: 1
Candidate Starts for Nilo_64:
(Start: 1 @46133 has 8 MA's), (3, 46169), (6, 46226), (7, 46229), (8, 46253), (10, 46406), (13, 46502), (14, 46511), (15, 46646),

Gene: Papyrus_62 Start: 45988, Stop: 46566, Start Num: 1
Candidate Starts for Papyrus_62:
(Start: 1 @45988 has 8 MA's), (3, 46024), (6, 46081), (7, 46084), (8, 46108), (9, 46135), (10, 46261), (13, 46357), (14, 46366), (15, 46501),

Gene: Riparian_64 Start: 45581, Stop: 46159, Start Num: 1
Candidate Starts for Riparian_64:
(Start: 1 @45581 has 8 MA's), (3, 45617), (6, 45674), (7, 45677), (8, 45701), (10, 45854), (13, 45950), (14, 45959), (15, 46094),

Gene: Rope_62 Start: 45979, Stop: 46557, Start Num: 1
Candidate Starts for Rope_62:
(Start: 1 @45979 has 8 MA's), (3, 46015), (6, 46072), (7, 46075), (8, 46099), (10, 46252), (13, 46348), (14, 46357), (15, 46492),

Gene: Send513_62 Start: 46113, Stop: 46691, Start Num: 1
Candidate Starts for Send513_62:
(Start: 1 @46113 has 8 MA's), (3, 46149), (6, 46206), (7, 46209), (8, 46233), (10, 46386), (13, 46482), (14, 46491), (15, 46626),

Gene: Weiss13_61 Start: 45818, Stop: 46396, Start Num: 1
Candidate Starts for Weiss13_61:
(Start: 1 @45818 has 8 MA's), (3, 45854), (6, 45911), (7, 45914), (8, 45938), (10, 46091), (13, 46187), (14, 46196), (15, 46331),

Gene: Yelo_61 Start: 46232, Stop: 46774, Start Num: 3
Candidate Starts for Yelo_61:
(Start: 1 @46196 has 8 MA's), (3, 46232), (6, 46289), (7, 46292), (8, 46316), (9, 46343), (10, 46469), (13, 46565), (14, 46574), (15, 46709),

Gene: Zenon_63 Start: 46142, Stop: 46720, Start Num: 1
Candidate Starts for Zenon_63:
(Start: 1 @46142 has 8 MA's), (3, 46178), (6, 46235), (7, 46238), (8, 46262), (10, 46415), (13, 46511), (14, 46520), (15, 46655),