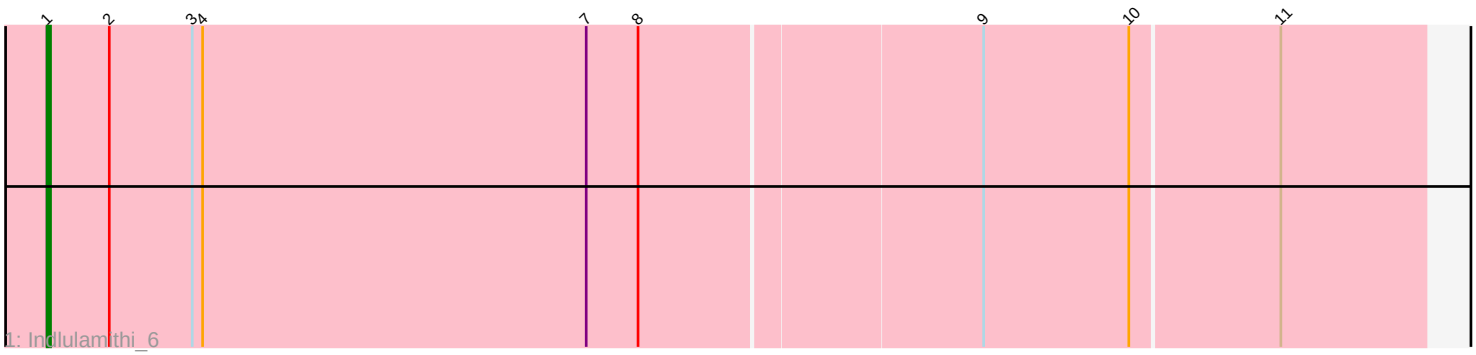
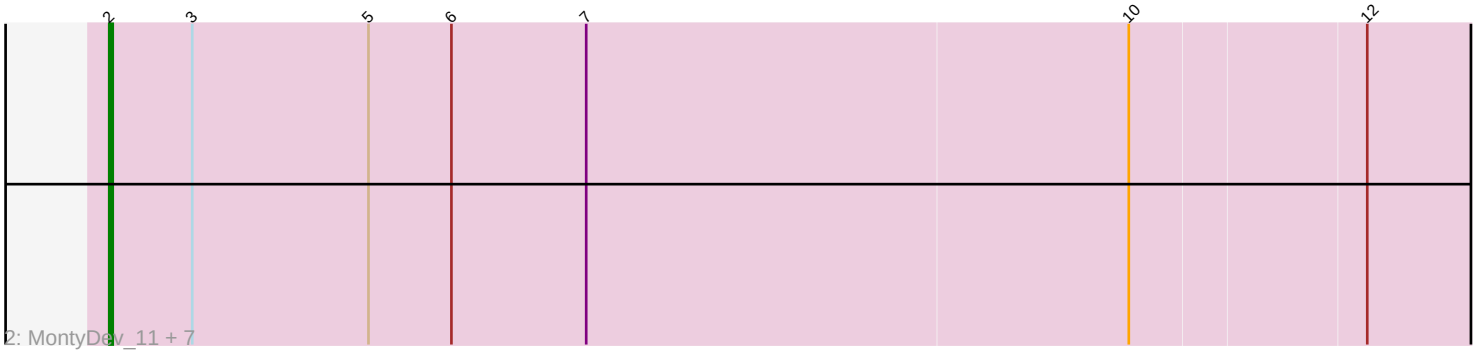
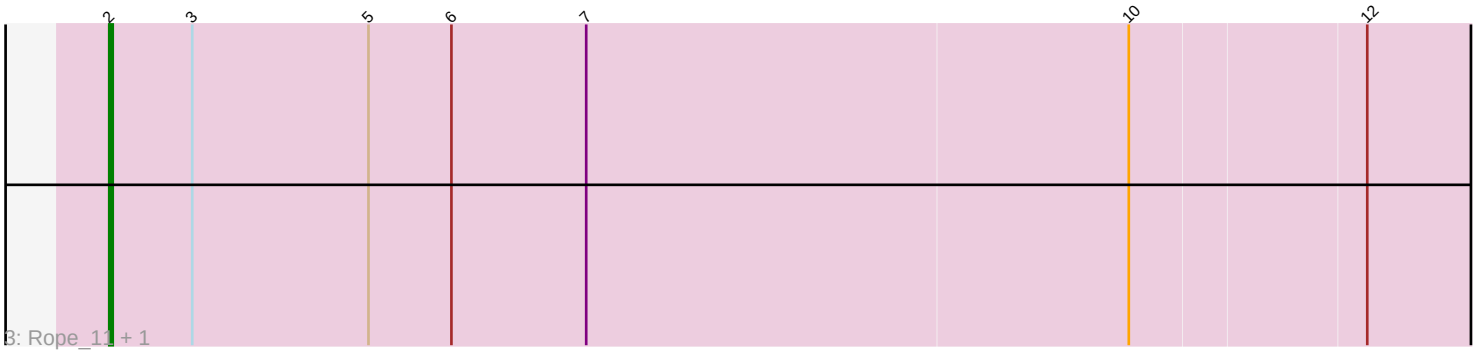
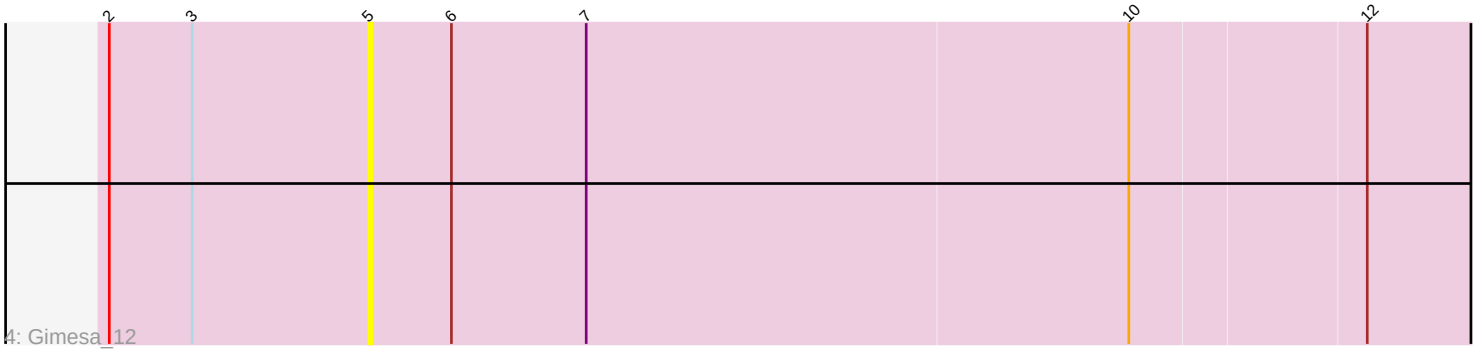
Pham 348209


1
2
3
4
7
8
9
10
11
1: Indlulamithi_6


2
3
5
6
7
10
12
2: MontyDev_11 + 7


2
3
5
6
7
10
12
3: Rope_11 + 1


2
3
5
6
7
10
12
4: Gimesa_12

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 348209 Report

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

Pham number 348209 has 12 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Indlulamithi_6
• Track 2 : MontyDev_11, Candle_11, Send513_11, Zenon_12, Nilo_12, Papyrus_11, Weiss13_11, Yelo_11
• Track 3 : Rope_11, Riparian_11
• Track 4 : Gimesa_12

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

The start number called the most often in the published annotations is 2, it was called in 10 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Candle_11, MontyDev_11, Nilo_12, Papyrus_11, Riparian_11, Rope_11, Send513_11, Weiss13_11, Yelo_11, Zenon_12,

Genes that have the "Most Annotated" start but do not call it:
• Gimesa_12, Indlulamithi_6,

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

Summary by start number:

Start 1:
• Found in 1 of 12 (8.3%) of genes in pham
• Manual Annotations of this start: 1 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Indlulamithi_6 (AC),

Start 2:
• Found in 12 of 12 (100.0%) of genes in pham
• Manual Annotations of this start: 10 of 11
• Called 83.3% of time when present

• Phage (with cluster) where this start called: Candle_11 (R), MontyDev_11 (R), Nilo_12 (R), Papyrus_11 (R), Riparian_11 (R), Rope_11 (R), Send513_11 (R), Weiss13_11 (R), Yelo_11 (R), Zenon_12 (R),

Start 5:
• Found in 11 of 12 (91.7%) of genes in pham
• No Manual Annotations of this start.
• Called 9.1% of time when present
• Phage (with cluster) where this start called: Gimesa_12 (R),

Summary by clusters:

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

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

Info for manual annotations of cluster R:
•Start number 2 was manually annotated 10 times for cluster R.

Gene Information:

Gene: Candle_11 Start: 6411, Stop: 6803, Start Num: 2
Candidate Starts for Candle_11:
(Start: 2 @6411 has 10 MA's), (3, 6435), (5, 6486), (6, 6510), (7, 6549), (10, 6705), (12, 6771),

Gene: Gimesa_12 Start: 6296, Stop: 6613, Start Num: 5
Candidate Starts for Gimesa_12:
(Start: 2 @6221 has 10 MA's), (3, 6245), (5, 6296), (6, 6320), (7, 6359), (10, 6515), (12, 6581),

Gene: Indlulamithi_6 Start: 3798, Stop: 4190, Start Num: 1
Candidate Starts for Indlulamithi_6:
(Start: 1 @3798 has 1 MA's), (Start: 2 @3816 has 10 MA's), (3, 3840), (4, 3843), (7, 3954), (8, 3969), (9, 4065), (10, 4107), (11, 4149),

Gene: MontyDev_11 Start: 6069, Stop: 6461, Start Num: 2
Candidate Starts for MontyDev_11:
(Start: 2 @6069 has 10 MA's), (3, 6093), (5, 6144), (6, 6168), (7, 6207), (10, 6363), (12, 6429),

Gene: Nilo_12 Start: 6411, Stop: 6803, Start Num: 2
Candidate Starts for Nilo_12:
(Start: 2 @6411 has 10 MA's), (3, 6435), (5, 6486), (6, 6510), (7, 6549), (10, 6705), (12, 6771),

Gene: Papyrus_11 Start: 6070, Stop: 6462, Start Num: 2
Candidate Starts for Papyrus_11:
(Start: 2 @6070 has 10 MA's), (3, 6094), (5, 6145), (6, 6169), (7, 6208), (10, 6364), (12, 6430),

Gene: Riparian_11 Start: 5869, Stop: 6261, Start Num: 2
Candidate Starts for Riparian_11:
(Start: 2 @5869 has 10 MA's), (3, 5893), (5, 5944), (6, 5968), (7, 6007), (10, 6163), (12, 6229),

Gene: Rope_11 Start: 6061, Stop: 6453, Start Num: 2
Candidate Starts for Rope_11:
(Start: 2 @6061 has 10 MA's), (3, 6085), (5, 6136), (6, 6160), (7, 6199), (10, 6355), (12, 6421),

Gene: Send513_11 Start: 6411, Stop: 6803, Start Num: 2
Candidate Starts for Send513_11:
(Start: 2 @6411 has 10 MA's), (3, 6435), (5, 6486), (6, 6510), (7, 6549), (10, 6705), (12, 6771),

Gene: Weiss13_11 Start: 6100, Stop: 6492, Start Num: 2
Candidate Starts for Weiss13_11:
(Start: 2 @6100 has 10 MA's), (3, 6124), (5, 6175), (6, 6199), (7, 6238), (10, 6394), (12, 6460),

Gene: Yelo_11 Start: 6411, Stop: 6803, Start Num: 2
Candidate Starts for Yelo_11:
(Start: 2 @6411 has 10 MA's), (3, 6435), (5, 6486), (6, 6510), (7, 6549), (10, 6705), (12, 6771),

Gene: Zenon_12 Start: 6413, Stop: 6805, Start Num: 2
Candidate Starts for Zenon_12:
(Start: 2 @6413 has 10 MA's), (3, 6437), (5, 6488), (6, 6512), (7, 6551), (10, 6707), (12, 6773),