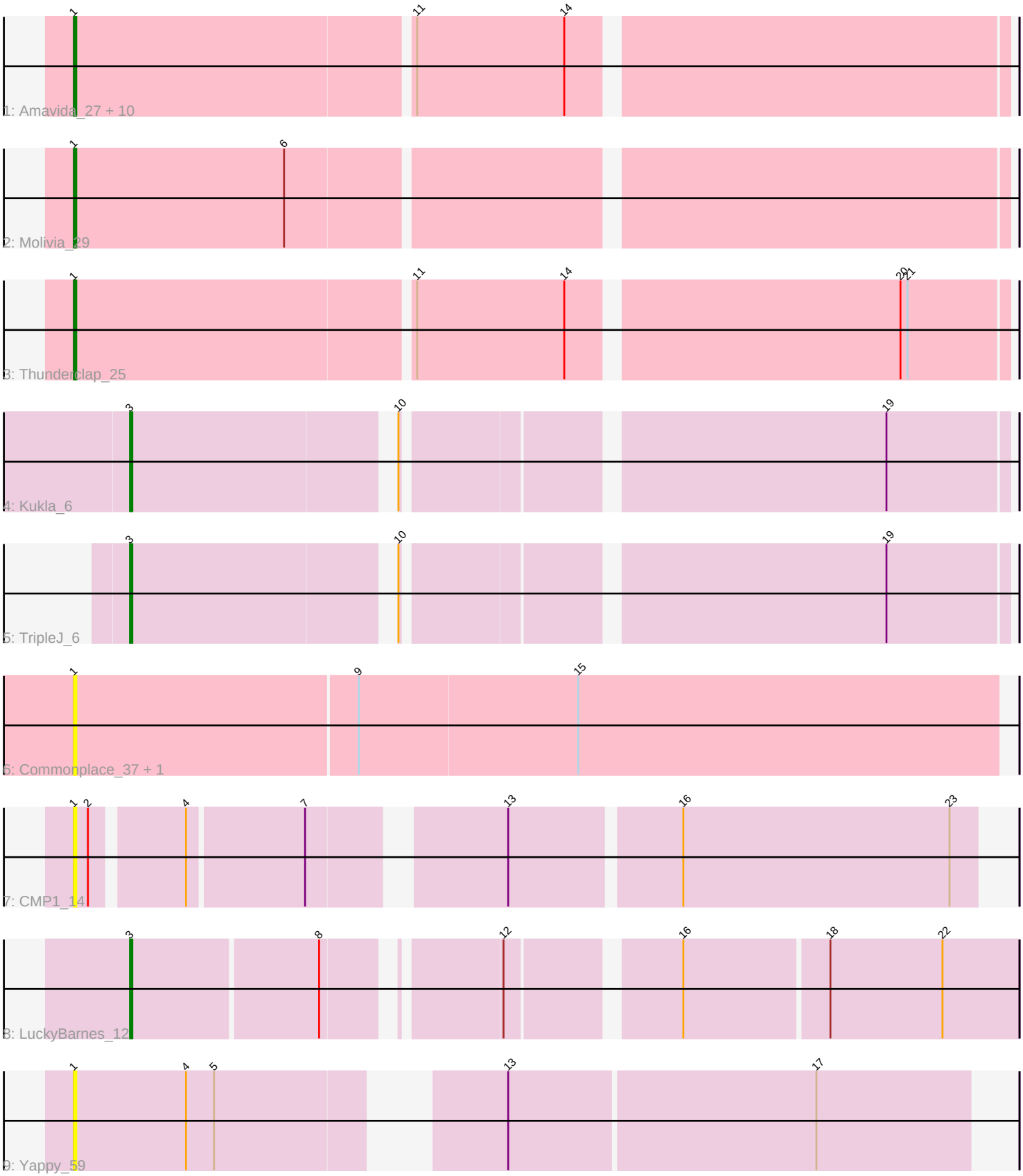
Pham 196842


1
11
14
1: Amavida_27 + 10
1
6
2: Molivia_29
1
11
14
20
21
3: Thunderclap_25
3
10
19
4: Kukla_6
3
10
19
5: TripleJ_6
1
9
15
6: Commonplace_37 + 1
1
2
4
7
13
16
23
7: CMP1_14
3
8
12
16
18
22
8: LuckyBarnes_12
1
4
5
13
17
9: Yappy_59

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 196842 Report

This analysis was run 12/09/24 on database version 580.

Pham number 196842 has 20 members, 4 are drafts.

Phages represented in each track:
• Track 1 : Amavida_27, Yeezus_24, Anansi_25, Gorgeous_25, Rings_24, Ichor_24, SorJuana_25, Heylee_27, Jaek_24, Amigo_25, Boersma_26
• Track 2 : Molivia_29
• Track 3 : Thunderclap_25
• Track 4 : Kukla_6
• Track 5 : TripleJ_6
• Track 6 : Commonplace_37, Nonagon_36
• Track 7 : CMP1_14
• Track 8 : LuckyBarnes_12
• Track 9 : Yappy_59

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 13 of the 16 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Amavida_27, Amigo_25, Anansi_25, Boersma_26, CMP1_14, Commonplace_37, Gorgeous_25, Heylee_27, Ichor_24, Jaek_24, Molivia_29, Nonagon_36, Rings_24, SorJuana_25, Thunderclap_25, Yappy_59, Yeezus_24,

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

Genes that do not have the "Most Annotated" start:
• Kukla_6, LuckyBarnes_12, TripleJ_6,

Summary by start number:

Start 1:
• Found in 17 of 20 (85.0%) of genes in pham
• Manual Annotations of this start: 13 of 16
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Amavida_27 (AQ), Amigo_25 (AQ), Anansi_25 (AQ), Boersma_26 (AQ), CMP1_14 (singleton), Commonplace_37 (JD), Gorgeous_25 (AQ), Heylee_27 (AQ), Ichor_24 (AQ), Jaek_24 (AQ), Molivia_29 (AQ), Nonagon_36 (JD), Rings_24 (AQ), SorJuana_25 (AQ), Thunderclap_25 (AQ), Yappy_59 (singleton), Yeezus_24 (AQ),

Start 3:
• Found in 3 of 20 (15.0%) of genes in pham
• Manual Annotations of this start: 3 of 16
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Kukla_6 (FJ), LuckyBarnes_12 (singleton), TripleJ_6 (FJ),

Summary by clusters:

There are 4 clusters represented in this pham: AQ, JD, FJ, singleton,

Info for manual annotations of cluster AQ:
•Start number 1 was manually annotated 13 times for cluster AQ.

Info for manual annotations of cluster FJ:
•Start number 3 was manually annotated 2 times for cluster FJ.

Gene Information:

Gene: Amavida_27 Start: 13028, Stop: 13411, Start Num: 1
Candidate Starts for Amavida_27:
(Start: 1 @13028 has 13 MA's), (11, 13169), (14, 13232),

Gene: Amigo_25 Start: 12902, Stop: 13285, Start Num: 1
Candidate Starts for Amigo_25:
(Start: 1 @12902 has 13 MA's), (11, 13043), (14, 13106),

Gene: Anansi_25 Start: 12911, Stop: 13294, Start Num: 1
Candidate Starts for Anansi_25:
(Start: 1 @12911 has 13 MA's), (11, 13052), (14, 13115),

Gene: Boersma_26 Start: 12902, Stop: 13285, Start Num: 1
Candidate Starts for Boersma_26:
(Start: 1 @12902 has 13 MA's), (11, 13043), (14, 13106),

Gene: CMP1_14 Start: 11444, Stop: 11800, Start Num: 1
Candidate Starts for CMP1_14:
(Start: 1 @11444 has 13 MA's), (2, 11450), (4, 11486), (7, 11534), (13, 11606), (16, 11675), (23, 11789),

Gene: Commonplace_37 Start: 17961, Stop: 18353, Start Num: 1
Candidate Starts for Commonplace_37:
(Start: 1 @17961 has 13 MA's), (9, 18081), (15, 18174),

Gene: Gorgeous_25 Start: 12911, Stop: 13294, Start Num: 1
Candidate Starts for Gorgeous_25:
(Start: 1 @12911 has 13 MA's), (11, 13052), (14, 13115),

Gene: Heylee_27 Start: 13028, Stop: 13411, Start Num: 1
Candidate Starts for Heylee_27:
(Start: 1 @13028 has 13 MA's), (11, 13169), (14, 13232),

Gene: Ichor_24 Start: 12902, Stop: 13285, Start Num: 1
Candidate Starts for Ichor_24:
(Start: 1 @12902 has 13 MA's), (11, 13043), (14, 13106),

Gene: Jaek_24 Start: 12902, Stop: 13285, Start Num: 1
Candidate Starts for Jaek_24:
(Start: 1 @12902 has 13 MA's), (11, 13043), (14, 13106),

Gene: Kukla_6 Start: 5268, Stop: 5615, Start Num: 3
Candidate Starts for Kukla_6:
(Start: 3 @5268 has 3 MA's), (10, 5373), (19, 5565),

Gene: LuckyBarnes_12 Start: 8066, Stop: 8413, Start Num: 3
Candidate Starts for LuckyBarnes_12:
(Start: 3 @8066 has 3 MA's), (8, 8144), (12, 8207), (16, 8273), (18, 8333), (22, 8381),

Gene: Molivia_29 Start: 13194, Stop: 13577, Start Num: 1
Candidate Starts for Molivia_29:
(Start: 1 @13194 has 13 MA's), (6, 13284),

Gene: Nonagon_36 Start: 17661, Stop: 18053, Start Num: 1
Candidate Starts for Nonagon_36:
(Start: 1 @17661 has 13 MA's), (9, 17781), (15, 17874),

Gene: Rings_24 Start: 13033, Stop: 13416, Start Num: 1
Candidate Starts for Rings_24:
(Start: 1 @13033 has 13 MA's), (11, 13174), (14, 13237),

Gene: SorJuana_25 Start: 12911, Stop: 13294, Start Num: 1
Candidate Starts for SorJuana_25:
(Start: 1 @12911 has 13 MA's), (11, 13052), (14, 13115),

Gene: Thunderclap_25 Start: 12931, Stop: 13314, Start Num: 1
Candidate Starts for Thunderclap_25:
(Start: 1 @12931 has 13 MA's), (11, 13072), (14, 13135), (20, 13270), (21, 13273),

Gene: TripleJ_6 Start: 5557, Stop: 5904, Start Num: 3
Candidate Starts for TripleJ_6:
(Start: 3 @5557 has 3 MA's), (10, 5662), (19, 5854),

Gene: Yappy_59 Start: 18789, Stop: 19139, Start Num: 1
Candidate Starts for Yappy_59:
(Start: 1 @18789 has 13 MA's), (4, 18837), (5, 18849), (13, 18945), (17, 19074),

Gene: Yeezus_24 Start: 12901, Stop: 13284, Start Num: 1

Candidate Starts for Yeezus_24:
(Start: 1 @12901 has 13 MA's), (11, 13042), (14, 13105),