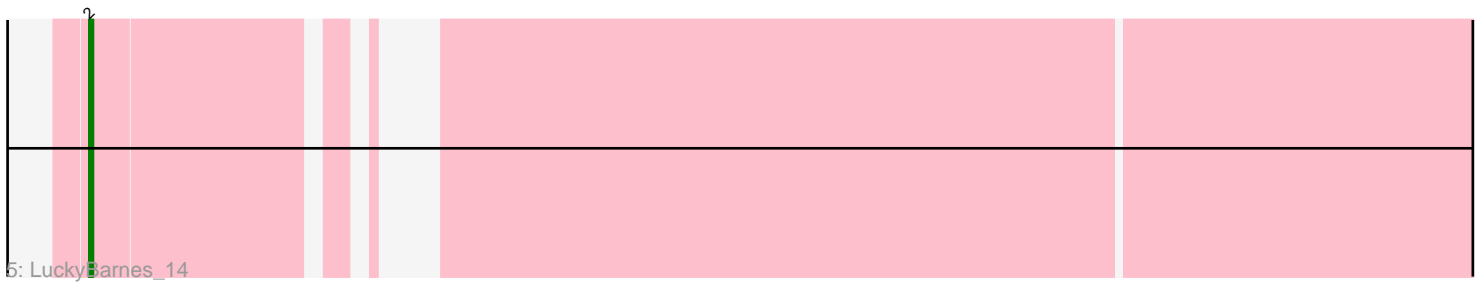
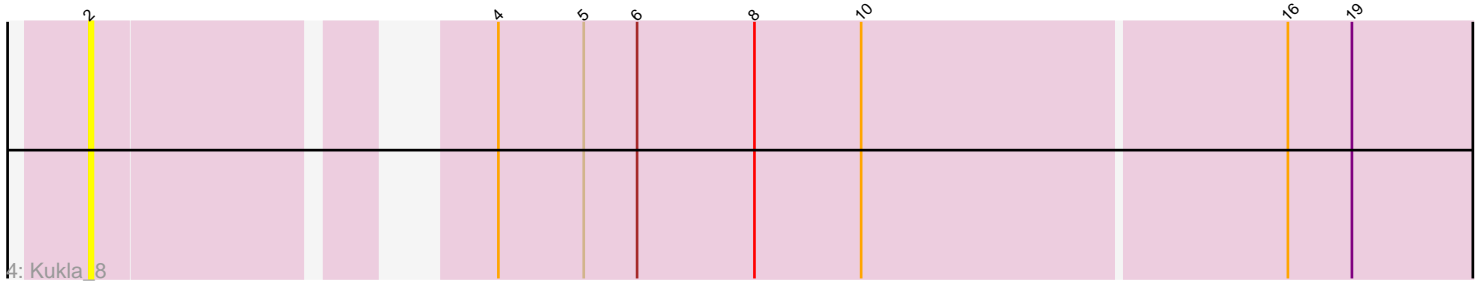
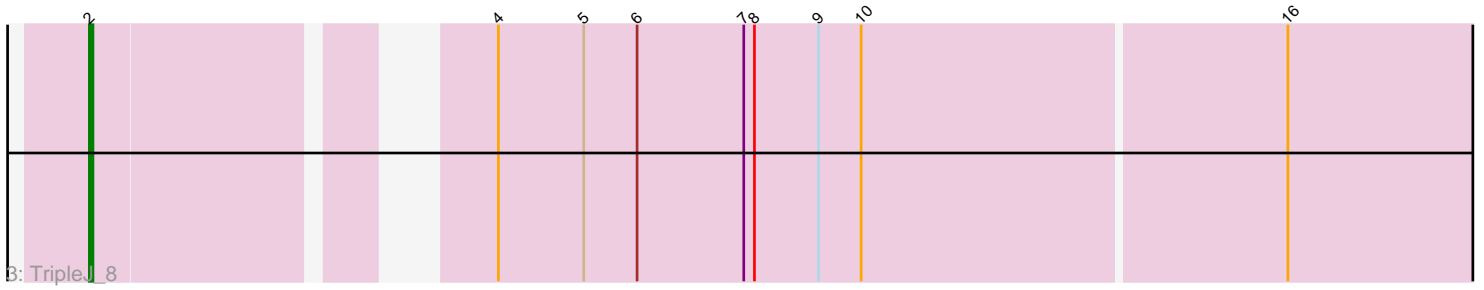
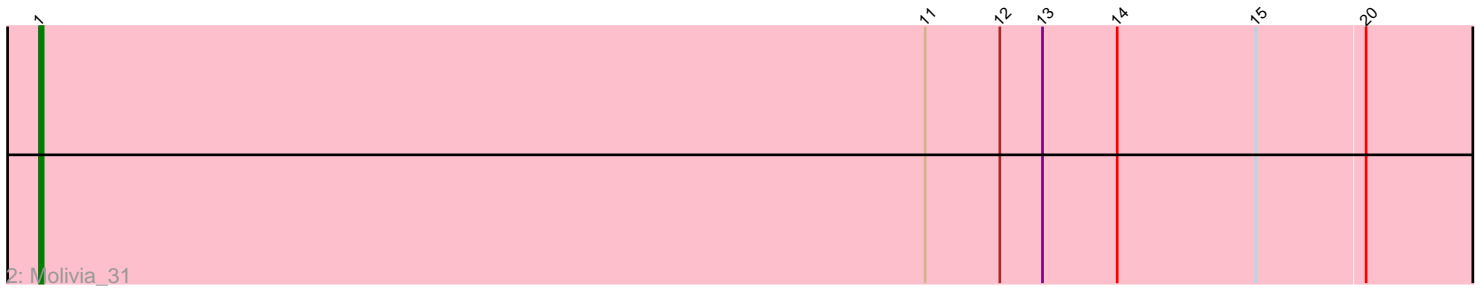
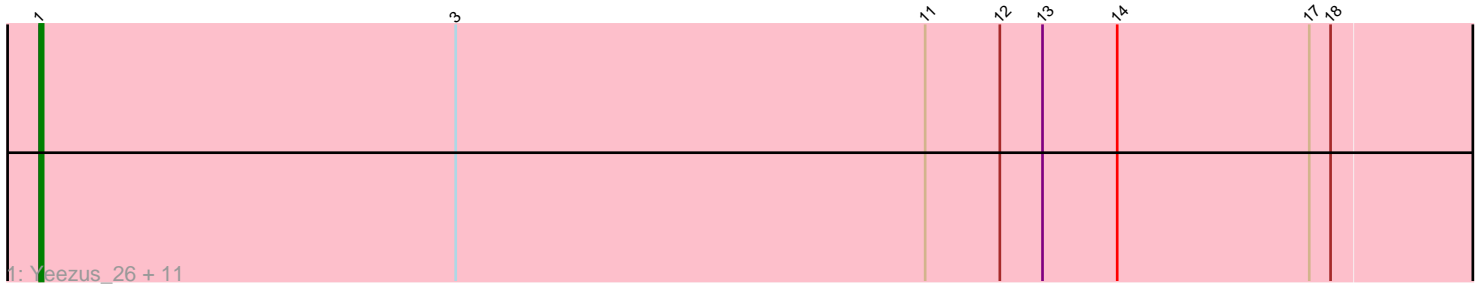


Pham 170376



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 170376 Report

This analysis was run 07/09/24 on database version 566.

Pham number 170376 has 16 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Yeezus_26, Amavida_26, Jaek_26, Heylee_26, Gorgeous_27, Anansi_27, Rings_26, Ichor_26, Thunderclap_27, Amigo_27, Boersma_28, SorJuana_27
- Track 2 : Molivia_31
- Track 3 : TripleJ_8
- Track 4 : Kukla_8
- Track 5 : LuckyBarnes_14

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

Genes that call this "Most Annotated" start:

- Amavida_26, Amigo_27, Anansi_27, Boersma_28, Gorgeous_27, Heylee_26, Ichor_26, Jaek_26, Molivia_31, Rings_26, SorJuana_27, Thunderclap_27, Yeezus_26,

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

-

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

- Kukla_8, LuckyBarnes_14, TripleJ_8,

Summary by start number:

Start 1:

- Found in 13 of 16 (81.2%) of genes in pham
- Manual Annotations of this start: 11 of 13
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Amavida_26 (AQ), Amigo_27 (AQ), Anansi_27 (AQ), Boersma_28 (AQ), Gorgeous_27 (AQ), Heylee_26 (AQ), Ichor_26 (AQ), Jaek_26 (AQ), Molivia_31 (AQ), Rings_26 (AQ), SorJuana_27 (AQ), Thunderclap_27 (AQ), Yeezus_26 (AQ),

Start 2:

- Found in 3 of 16 (18.8%) of genes in pham
- Manual Annotations of this start: 2 of 13
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Kukla_8 (FJ), LuckyBarnes_14 (singleton), TripleJ_8 (FJ),

Summary by clusters:

There are 3 clusters represented in this pham: AQ, FJ, singleton,

Info for manual annotations of cluster AQ:

- Start number 1 was manually annotated 11 times for cluster AQ.

Info for manual annotations of cluster FJ:

- Start number 2 was manually annotated 1 time for cluster FJ.

Gene Information:

Gene: Amavida_26 Start: 14813, Stop: 15217, Start Num: 1

Candidate Starts for Amavida_26:

(Start: 1 @14813 has 11 MA's), (3, 14930), (11, 15062), (12, 15083), (13, 15095), (14, 15116), (17, 15170), (18, 15176),

Gene: Amigo_27 Start: 14687, Stop: 15091, Start Num: 1

Candidate Starts for Amigo_27:

(Start: 1 @14687 has 11 MA's), (3, 14804), (11, 14936), (12, 14957), (13, 14969), (14, 14990), (17, 15044), (18, 15050),

Gene: Anansi_27 Start: 14696, Stop: 15100, Start Num: 1

Candidate Starts for Anansi_27:

(Start: 1 @14696 has 11 MA's), (3, 14813), (11, 14945), (12, 14966), (13, 14978), (14, 14999), (17, 15053), (18, 15059),

Gene: Boersma_28 Start: 14687, Stop: 15091, Start Num: 1

Candidate Starts for Boersma_28:

(Start: 1 @14687 has 11 MA's), (3, 14804), (11, 14936), (12, 14957), (13, 14969), (14, 14990), (17, 15044), (18, 15050),

Gene: Gorgeous_27 Start: 14696, Stop: 15100, Start Num: 1

Candidate Starts for Gorgeous_27:

(Start: 1 @14696 has 11 MA's), (3, 14813), (11, 14945), (12, 14966), (13, 14978), (14, 14999), (17, 15053), (18, 15059),

Gene: Heylee_26 Start: 14813, Stop: 15217, Start Num: 1

Candidate Starts for Heylee_26:

(Start: 1 @14813 has 11 MA's), (3, 14930), (11, 15062), (12, 15083), (13, 15095), (14, 15116), (17, 15170), (18, 15176),

Gene: Ichor_26 Start: 14687, Stop: 15091, Start Num: 1

Candidate Starts for Ichor_26:

(Start: 1 @14687 has 11 MA's), (3, 14804), (11, 14936), (12, 14957), (13, 14969), (14, 14990), (17, 15044), (18, 15050),

Gene: Jaek_26 Start: 14687, Stop: 15091, Start Num: 1

Candidate Starts for Jaek_26:

(Start: 1 @14687 has 11 MA's), (3, 14804), (11, 14936), (12, 14957), (13, 14969), (14, 14990), (17, 15044), (18, 15050),

Gene: Kukla_8 Start: 6781, Stop: 7152, Start Num: 2

Candidate Starts for Kukla_8:

(Start: 2 @6781 has 2 MA's), (4, 6871), (5, 6895), (6, 6910), (8, 6943), (10, 6973), (16, 7090), (19, 7108),

Gene: LuckyBarnes_14 Start: 9588, Stop: 9953, Start Num: 2

Candidate Starts for LuckyBarnes_14:

(Start: 2 @9588 has 2 MA's),

Gene: Molivia_31 Start: 14946, Stop: 15350, Start Num: 1

Candidate Starts for Molivia_31:

(Start: 1 @14946 has 11 MA's), (11, 15195), (12, 15216), (13, 15228), (14, 15249), (15, 15288), (20, 15318),

Gene: Rings_26 Start: 14818, Stop: 15222, Start Num: 1

Candidate Starts for Rings_26:

(Start: 1 @14818 has 11 MA's), (3, 14935), (11, 15067), (12, 15088), (13, 15100), (14, 15121), (17, 15175), (18, 15181),

Gene: SorJuana_27 Start: 14696, Stop: 15100, Start Num: 1

Candidate Starts for SorJuana_27:

(Start: 1 @14696 has 11 MA's), (3, 14813), (11, 14945), (12, 14966), (13, 14978), (14, 14999), (17, 15053), (18, 15059),

Gene: Thunderclap_27 Start: 14716, Stop: 15120, Start Num: 1

Candidate Starts for Thunderclap_27:

(Start: 1 @14716 has 11 MA's), (3, 14833), (11, 14965), (12, 14986), (13, 14998), (14, 15019), (17, 15073), (18, 15079),

Gene: TripleJ_8 Start: 7069, Stop: 7440, Start Num: 2

Candidate Starts for TripleJ_8:

(Start: 2 @7069 has 2 MA's), (4, 7159), (5, 7183), (6, 7198), (7, 7228), (8, 7231), (9, 7249), (10, 7261), (16, 7378),

Gene: Yeezus_26 Start: 14686, Stop: 15090, Start Num: 1

Candidate Starts for Yeezus_26:

(Start: 1 @14686 has 11 MA's), (3, 14803), (11, 14935), (12, 14956), (13, 14968), (14, 14989), (17, 15043), (18, 15049),