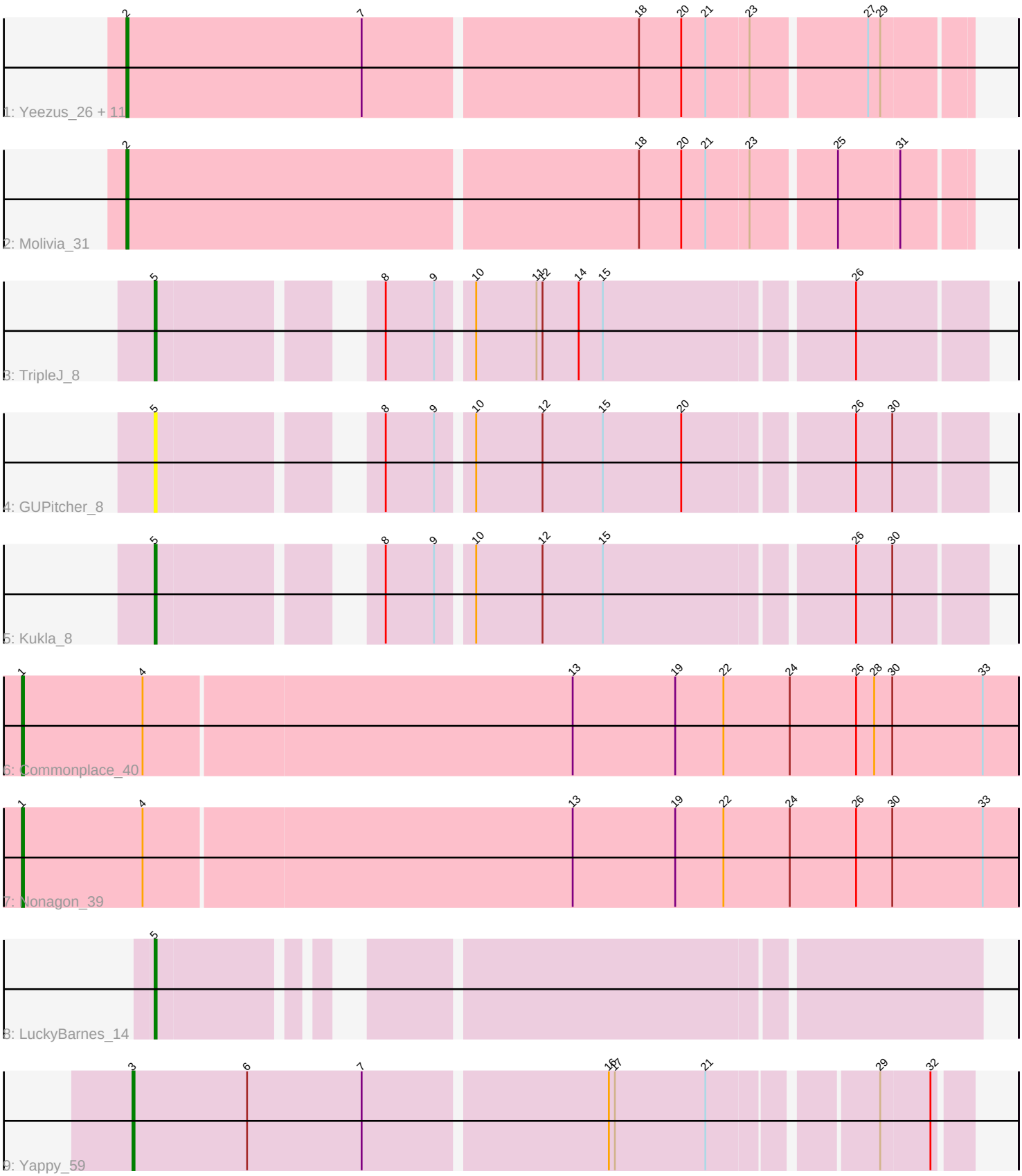
Pham 216555


2
7
18
20
21
23
27
29
1: Yeezus_26 + 11
2
18
20
21
23
25
31
2: Molivia_31
5
8
9
10
11
12
14
15
26
3: TripleJ_8
5
8
9
10
12
15
20
26
30
4: GUPitcher_8
5
8
9
10
12
15
26
30
5: Kukla_8
1
4
13
19
22
24
26
28
30
33
6: Commonplace_40
1
4
13
19
22
24
26
30
33
7: Nonagon_39
5
8: LuckyBarnes_14
3
6
7
16
17
21
29
32
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 216555 Report

This analysis was run 02/22/25 on database version 588.

WARNING: Pham size does not match number of genes in report. Either unphamerated genes have been added (by you) or starterator has removed genes due to invalid start codon.

Pham number 216555 has 20 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Yeezus_26, Heylee_30, Jaek_26, Amavida_30, 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 : GUPitcher_8
• Track 5 : Kukla_8
• Track 6 : Commonplace_40
• Track 7 : Nonagon_39
• Track 8 : LuckyBarnes_14
• 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 2, it was called in 13 of the 19 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Amavida_30, Amigo_27, Anansi_27, Boersma_28, Gorgeous_27, Heylee_30, 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:
• Commonplace_40, GUPitcher_8, Kukla_8, LuckyBarnes_14, Nonagon_39, TripleJ_8, Yappy_59,

Summary by start number:

Start 1:
• Found in 2 of 20 (10.0%) of genes in pham
• Manual Annotations of this start: 2 of 19
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Commonplace_40 (JD), Nonagon_39 (JD),

Start 2:
• Found in 13 of 20 (65.0%) of genes in pham
• Manual Annotations of this start: 13 of 19
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Amavida_30 (AQ), Amigo_27 (AQ), Anansi_27 (AQ), Boersma_28 (AQ), Gorgeous_27 (AQ), Heylee_30 (AQ), Ichor_26 (AQ), Jaek_26 (AQ), Molivia_31 (AQ), Rings_26 (AQ), SorJuana_27 (AQ), Thunderclap_27 (AQ), Yeezus_26 (AQ),

Start 3:
• Found in 1 of 20 (5.0%) of genes in pham
• Manual Annotations of this start: 1 of 19
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Yappy_59 (singleton),

Start 5:
• Found in 4 of 20 (20.0%) of genes in pham
• Manual Annotations of this start: 3 of 19
• Called 100.0% of time when present
• Phage (with cluster) where this start called: GUPitcher_8 (FJ), Kukla_8 (FJ), LuckyBarnes_14 (singleton), TripleJ_8 (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 2 was manually annotated 13 times for cluster AQ.

Info for manual annotations of cluster FJ:
•Start number 5 was manually annotated 2 times for cluster FJ.

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

Gene Information:

Gene: Amavida_30 Start: 14813, Stop: 15217, Start Num: 2
Candidate Starts for Amavida_30:
(Start: 2 @14813 has 13 MA's), (7, 14930), (18, 15062), (20, 15083), (21, 15095), (23, 15116), (27, 15170), (29, 15176),

Gene: Amigo_27 Start: 14687, Stop: 15091, Start Num: 2
Candidate Starts for Amigo_27:

(Start: 2 @14687 has 13 MA's), (7, 14804), (18, 14936), (20, 14957), (21, 14969), (23, 14990), (27, 15044), (29, 15050),

Gene: Anansi_27 Start: 14696, Stop: 15100, Start Num: 2
Candidate Starts for Anansi_27:
(Start: 2 @14696 has 13 MA's), (7, 14813), (18, 14945), (20, 14966), (21, 14978), (23, 14999), (27, 15053), (29, 15059),

Gene: Boersma_28 Start: 14687, Stop: 15091, Start Num: 2
Candidate Starts for Boersma_28:
(Start: 2 @14687 has 13 MA's), (7, 14804), (18, 14936), (20, 14957), (21, 14969), (23, 14990), (27, 15044), (29, 15050),

Gene: Commonplace_40 Start: 22597, Stop: 23088, Start Num: 1
Candidate Starts for Commonplace_40:
(Start: 1 @22597 has 2 MA's), (4, 22657), (13, 22867), (19, 22918), (22, 22942), (24, 22975), (26, 23008), (28, 23017), (30, 23026), (33, 23071),

Gene: GUPitcher_8 Start: 6754, Stop: 7125, Start Num: 5
Candidate Starts for GUPitcher_8:
(Start: 5 @6754 has 3 MA's), (8, 6844), (9, 6868), (10, 6883), (12, 6916), (15, 6946), (20, 6985), (26, 7063), (30, 7081),

Gene: Gorgeous_27 Start: 14696, Stop: 15100, Start Num: 2
Candidate Starts for Gorgeous_27:
(Start: 2 @14696 has 13 MA's), (7, 14813), (18, 14945), (20, 14966), (21, 14978), (23, 14999), (27, 15053), (29, 15059),

Gene: Heylee_30 Start: 14813, Stop: 15217, Start Num: 2
Candidate Starts for Heylee_30:
(Start: 2 @14813 has 13 MA's), (7, 14930), (18, 15062), (20, 15083), (21, 15095), (23, 15116), (27, 15170), (29, 15176),

Gene: Ichor_26 Start: 14687, Stop: 15091, Start Num: 2
Candidate Starts for Ichor_26:
(Start: 2 @14687 has 13 MA's), (7, 14804), (18, 14936), (20, 14957), (21, 14969), (23, 14990), (27, 15044), (29, 15050),

Gene: Jaek_26 Start: 14687, Stop: 15091, Start Num: 2
Candidate Starts for Jaek_26:
(Start: 2 @14687 has 13 MA's), (7, 14804), (18, 14936), (20, 14957), (21, 14969), (23, 14990), (27, 15044), (29, 15050),

Gene: Kukla_8 Start: 6781, Stop: 7152, Start Num: 5
Candidate Starts for Kukla_8:
(Start: 5 @6781 has 3 MA's), (8, 6871), (9, 6895), (10, 6910), (12, 6943), (15, 6973), (26, 7090), (30, 7108),

Gene: LuckyBarnes_14 Start: 9588, Stop: 9953, Start Num: 5
Candidate Starts for LuckyBarnes_14:
(Start: 5 @9588 has 3 MA's),

Gene: Molivia_31 Start: 14946, Stop: 15350, Start Num: 2

Candidate Starts for Molivia_31:
(Start: 2 @14946 has 13 MA's), (18, 15195), (20, 15216), (21, 15228), (23, 15249), (25, 15288), (31, 15318),

Gene: Nonagon_39 Start: 22297, Stop: 22788, Start Num: 1
Candidate Starts for Nonagon_39:
(Start: 1 @22297 has 2 MA's), (4, 22357), (13, 22567), (19, 22618), (22, 22642), (24, 22675), (26, 22708), (30, 22726), (33, 22771),

Gene: Rings_26 Start: 14818, Stop: 15222, Start Num: 2
Candidate Starts for Rings_26:
(Start: 2 @14818 has 13 MA's), (7, 14935), (18, 15067), (20, 15088), (21, 15100), (23, 15121), (27, 15175), (29, 15181),

Gene: SorJuana_27 Start: 14696, Stop: 15100, Start Num: 2
Candidate Starts for SorJuana_27:
(Start: 2 @14696 has 13 MA's), (7, 14813), (18, 14945), (20, 14966), (21, 14978), (23, 14999), (27, 15053), (29, 15059),

Gene: Thunderclap_27 Start: 14716, Stop: 15120, Start Num: 2
Candidate Starts for Thunderclap_27:
(Start: 2 @14716 has 13 MA's), (7, 14833), (18, 14965), (20, 14986), (21, 14998), (23, 15019), (27, 15073), (29, 15079),

Gene: TripleJ_8 Start: 7069, Stop: 7440, Start Num: 5
Candidate Starts for TripleJ_8:
(Start: 5 @7069 has 3 MA's), (8, 7159), (9, 7183), (10, 7198), (11, 7228), (12, 7231), (14, 7249), (15, 7261), (26, 7378),

Gene: Yappy_59 Start: 20679, Stop: 21074, Start Num: 3
Candidate Starts for Yappy_59:
(Start: 3 @20679 has 1 MA's), (6, 20736), (7, 20793), (16, 20910), (17, 20913), (21, 20958), (29, 21033), (32, 21057),

Gene: Yeezus_26 Start: 14686, Stop: 15090, Start Num: 2
Candidate Starts for Yeezus_26:
(Start: 2 @14686 has 13 MA's), (7, 14803), (18, 14935), (20, 14956), (21, 14968), (23, 14989), (27, 15043), (29, 15049),