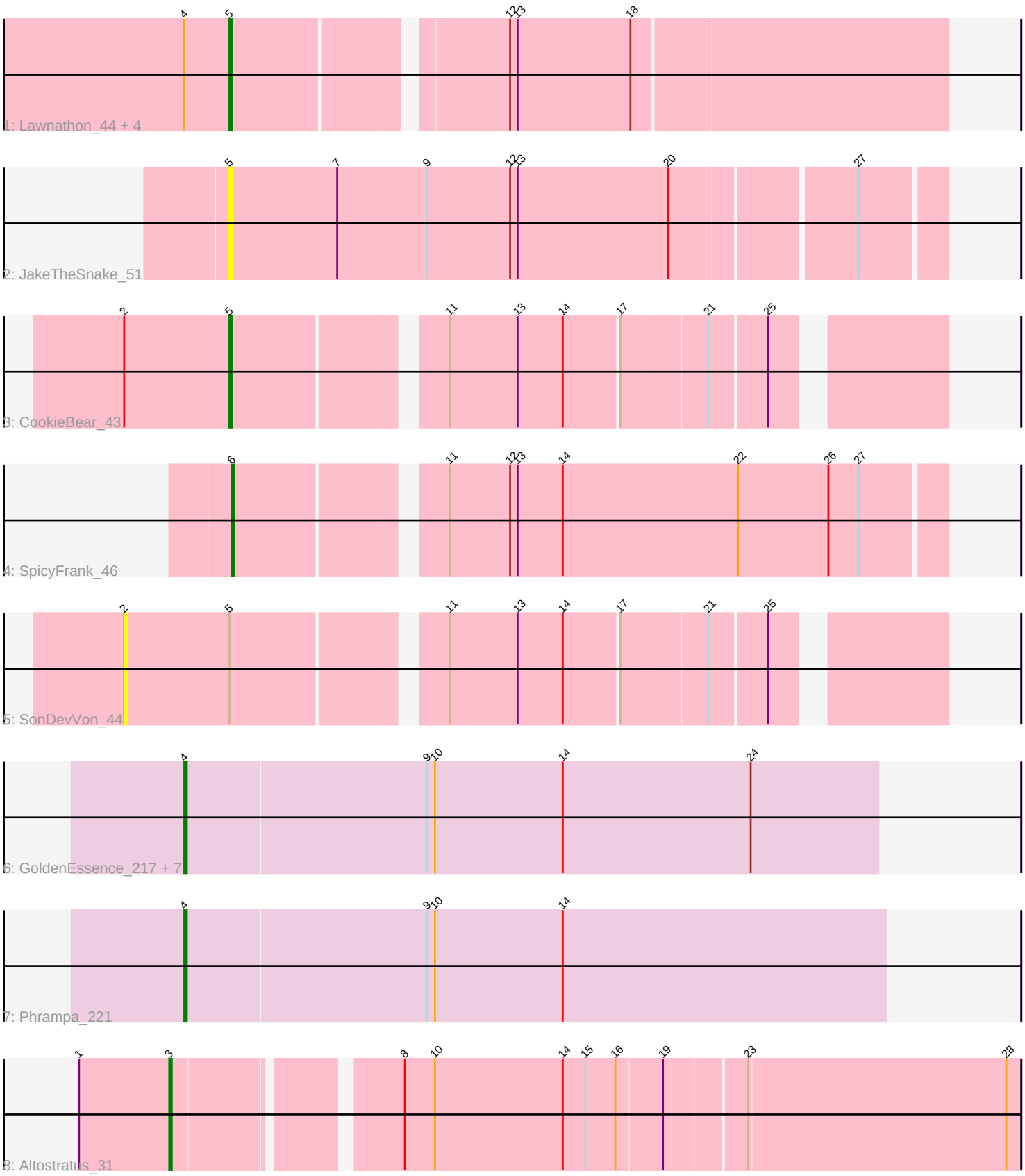
Pham 344443


4
5
12
13
18
1: Lawnathon_44 + 4
5
7
9
12
13
20
27
2: JakeTheSnake_51
2
5
11
13
14
17
21
25
3: CookieBear_43
6
11
12
13
14
22
26
27
4: SpicyFrank_46
2
5
11
13
14
17
21
25
5: SonDevVon_44
4
9
10
14
24
6: GoldenEssence_217 + 7
4
9
10
14
7: Phrampa_221
1
3
8
10
14
15
16
19
23
28
8: Altostratus_31

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 344443 Report

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

Pham number 344443 has 19 members, 4 are drafts.

Phages represented in each track:
• Track 1 : Lawnathon_44, Richie_44, Faja_41, Raphaella_42, BasketStar_43
• Track 2 : JakeTheSnake_51
• Track 3 : CookieBear_43
• Track 4 : SpicyFrank_46
• Track 5 : SonDevVon_44
• Track 6 : GoldenEssence_217, Bloom_232, Patbob_226, Mimi_228, FrostedClock_230, FloraSnap32_223, Talia1610_230, Racecar_230
• Track 7 : Phrampa_221
• Track 8 : Altostratus_31

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

The start number called the most often in the published annotations is 4, it was called in 8 of the 15 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Bloom_232, FloraSnap32_223, FrostedClock_230, GoldenEssence_217, Mimi_228, Patbob_226, Phrampa_221, Racecar_230, Talia1610_230,

Genes that have the "Most Annotated" start but do not call it:
• BasketStar_43, Faja_41, Lawnathon_44, Raphaella_42, Richie_44,

Genes that do not have the "Most Annotated" start:
• Altostratus_31, CookieBear_43, JakeTheSnake_51, SonDevVon_44, SpicyFrank_46,

Summary by start number:

Start 2:
• Found in 2 of 19 (10.5%) of genes in pham
• No Manual Annotations of this start.
• Called 50.0% of time when present
• Phage (with cluster) where this start called: SonDevVon_44 (AY),

Start 3:
• Found in 1 of 19 (5.3%) of genes in pham
• Manual Annotations of this start: 1 of 15
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Altostratus_31 (FS),

Start 4:
• Found in 14 of 19 (73.7%) of genes in pham
• Manual Annotations of this start: 8 of 15
• Called 64.3% of time when present
• Phage (with cluster) where this start called: Bloom_232 (FC), FloraSnap32_223 (FC), FrostedClock_230 (FC), GoldenEssence_217 (FC), Mimi_228 (FC), Patbob_226 (FC), Phrampa_221 (FC), Racecar_230 (FC), Talia1610_230 (FC),

Start 5:
• Found in 8 of 19 (42.1%) of genes in pham
• Manual Annotations of this start: 5 of 15
• Called 87.5% of time when present
• Phage (with cluster) where this start called: BasketStar_43 (AY), CookieBear_43 (AY), Faja_41 (AY), JakeTheSnake_51 (AY), Lawnathon_44 (AY), Raphaella_42 (AY), Richie_44 (AY),

Start 6:
• Found in 1 of 19 (5.3%) of genes in pham
• Manual Annotations of this start: 1 of 15
• Called 100.0% of time when present
• Phage (with cluster) where this start called: SpicyFrank_46 (AY),

Summary by clusters:

There are 3 clusters represented in this pham: FS, AY, FC,

Info for manual annotations of cluster AY:
•Start number 5 was manually annotated 5 times for cluster AY.
•Start number 6 was manually annotated 1 time for cluster AY.

Info for manual annotations of cluster FC:
•Start number 4 was manually annotated 8 times for cluster FC.

Info for manual annotations of cluster FS:
•Start number 3 was manually annotated 1 time for cluster FS.

Gene Information:

Gene: Altostratus_31 Start: 23118, Stop: 22798, Start Num: 3
Candidate Starts for Altostratus_31:
(1, 23154), (Start: 3 @23118 has 1 MA's), (8, 23037), (10, 23025), (14, 22974), (15, 22965), (16, 22953), (19, 22935), (23, 22905), (28, 22803),

Gene: BasketStar_43 Start: 28707, Stop: 28438, Start Num: 5
Candidate Starts for BasketStar_43:

(Start: 4 @28725 has 8 MA's), (Start: 5 @28707 has 5 MA's), (12, 28608), (13, 28605), (18, 28560),

Gene: Bloom_232 Start: 152192, Stop: 152467, Start Num: 4
Candidate Starts for Bloom_232:
(Start: 4 @152192 has 8 MA's), (9, 152288), (10, 152291), (14, 152342), (24, 152417),

Gene: CookieBear_43 Start: 28808, Stop: 28554, Start Num: 5
Candidate Starts for CookieBear_43:
(2, 28850), (Start: 5 @28808 has 5 MA's), (11, 28733), (13, 28706), (14, 28688), (17, 28667), (21, 28634), (25, 28613),

Gene: Faja_41 Start: 29504, Stop: 29235, Start Num: 5
Candidate Starts for Faja_41:
(Start: 4 @29522 has 8 MA's), (Start: 5 @29504 has 5 MA's), (12, 29405), (13, 29402), (18, 29357),

Gene: FloraSnap32_223 Start: 150352, Stop: 150627, Start Num: 4
Candidate Starts for FloraSnap32_223:
(Start: 4 @150352 has 8 MA's), (9, 150448), (10, 150451), (14, 150502), (24, 150577),

Gene: FrostedClock_230 Start: 152336, Stop: 152611, Start Num: 4
Candidate Starts for FrostedClock_230:
(Start: 4 @152336 has 8 MA's), (9, 152432), (10, 152435), (14, 152486), (24, 152561),

Gene: GoldenEssence_217 Start: 146169, Stop: 146444, Start Num: 4
Candidate Starts for GoldenEssence_217:
(Start: 4 @146169 has 8 MA's), (9, 146265), (10, 146268), (14, 146319), (24, 146394),

Gene: JakeTheSnake_51 Start: 31576, Stop: 31851, Start Num: 5
Candidate Starts for JakeTheSnake_51:
(Start: 5 @31576 has 5 MA's), (7, 31618), (9, 31654), (12, 31687), (13, 31690), (20, 31750), (27, 31819),

Gene: Lawnathon_44 Start: 28624, Stop: 28355, Start Num: 5
Candidate Starts for Lawnathon_44:
(Start: 4 @28642 has 8 MA's), (Start: 5 @28624 has 5 MA's), (12, 28525), (13, 28522), (18, 28477),

Gene: Mimi_228 Start: 151567, Stop: 151842, Start Num: 4
Candidate Starts for Mimi_228:
(Start: 4 @151567 has 8 MA's), (9, 151663), (10, 151666), (14, 151717), (24, 151792),

Gene: Patbob_226 Start: 151965, Stop: 152240, Start Num: 4
Candidate Starts for Patbob_226:
(Start: 4 @151965 has 8 MA's), (9, 152061), (10, 152064), (14, 152115), (24, 152190),

Gene: Phrampa_221 Start: 152824, Stop: 153102, Start Num: 4
Candidate Starts for Phrampa_221:
(Start: 4 @152824 has 8 MA's), (9, 152920), (10, 152923), (14, 152974),

Gene: Racecar_230 Start: 151946, Stop: 152221, Start Num: 4
Candidate Starts for Racecar_230:
(Start: 4 @151946 has 8 MA's), (9, 152042), (10, 152045), (14, 152096), (24, 152171),

Gene: Raphaella_42 Start: 28164, Stop: 27895, Start Num: 5

Candidate Starts for Raphaella_42:
(Start: 4 @28182 has 8 MA's), (Start: 5 @28164 has 5 MA's), (12, 28065), (13, 28062), (18, 28017),

Gene: Richie_44 Start: 28785, Stop: 28516, Start Num: 5
Candidate Starts for Richie_44:
(Start: 4 @28803 has 8 MA's), (Start: 5 @28785 has 5 MA's), (12, 28686), (13, 28683), (18, 28638),

Gene: SonDevVon_44 Start: 29061, Stop: 28765, Start Num: 2
Candidate Starts for SonDevVon_44:
(2, 29061), (Start: 5 @29019 has 5 MA's), (11, 28944), (13, 28917), (14, 28899), (17, 28878), (21, 28845), (25, 28824),

Gene: SpicyFrank_46 Start: 29525, Stop: 29256, Start Num: 6
Candidate Starts for SpicyFrank_46:
(Start: 6 @29525 has 1 MA's), (11, 29450), (12, 29426), (13, 29423), (14, 29405), (22, 29336), (26, 29300), (27, 29288),

Gene: Talia1610_230 Start: 151976, Stop: 152251, Start Num: 4
Candidate Starts for Talia1610_230:
(Start: 4 @151976 has 8 MA's), (9, 152072), (10, 152075), (14, 152126), (24, 152201),