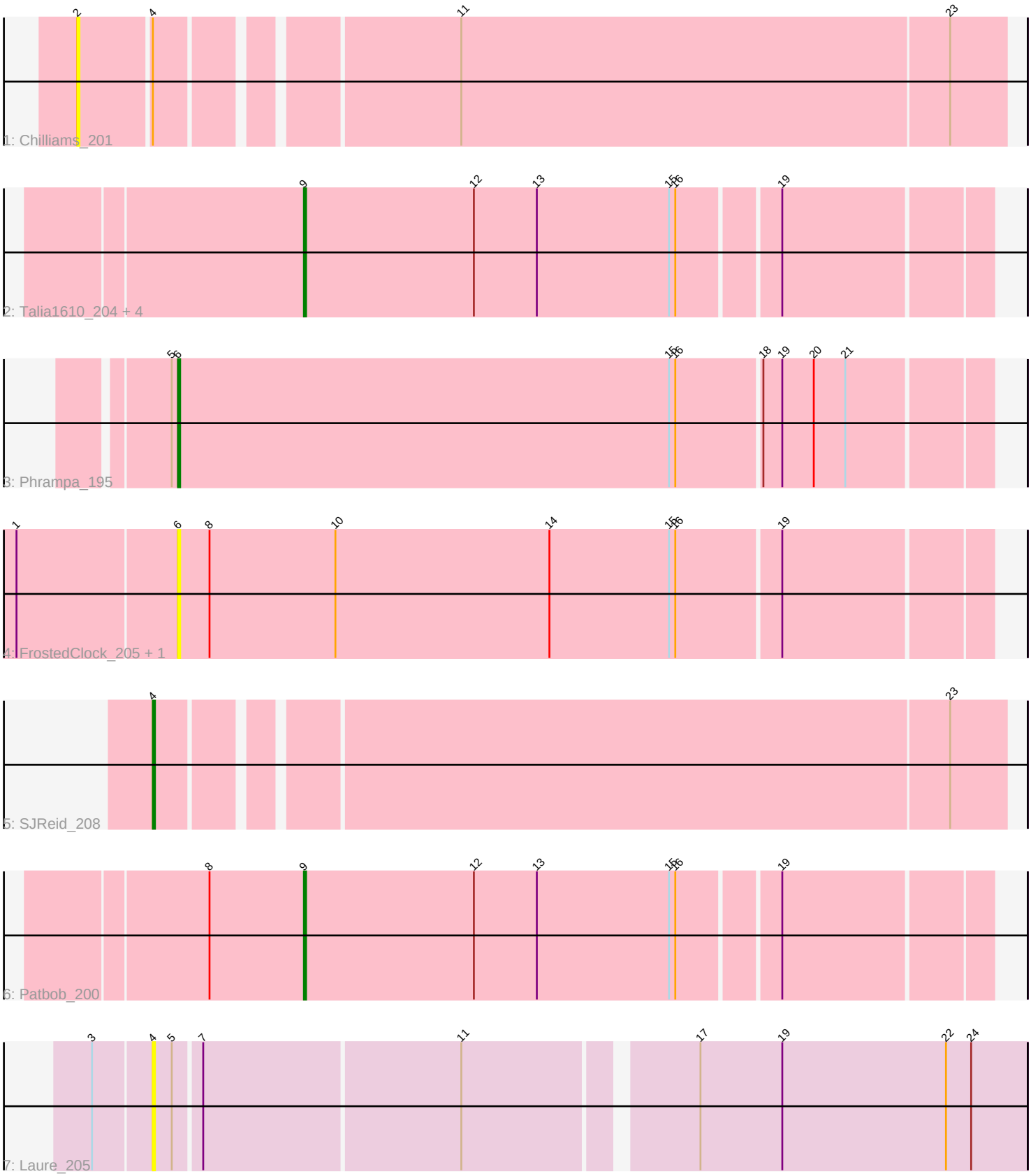
Pham 309682


2
4
11
23
1: Chilliams_201
9
12
13
15
16
19
2: Talia1610_204 + 4
5
6
15
16
18
19
20
21
3: Phrampa_195
1
6
8
10
14
15
16
19
4: FrostedClock_205 + 1
4
23
5: SJReid_208
8
9
12
13
15
16
19
6: Patbob_200
3
4
5
7
11
17
19
22
24
7: Laure_205

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 309682 Report

This analysis was run 09/05/26 on database version 662.

Pham number 309682 has 12 members, 5 are drafts.

Phages represented in each track:
• Track 1 : Chilliams_201
• Track 2 : Talia1610_204, Mimi_202, FloraSnap32_201, Racecar_203, GoldenEssence_191
• Track 3 : Phrampa_195
• Track 4 : FrostedClock_205, Bloom_206
• Track 5 : SJReid_208
• Track 6 : Patbob_200
• Track 7 : Laure_205

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

The start number called the most often in the published annotations is 9, it was called in 5 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• FloraSnap32_201, GoldenEssence_191, Mimi_202, Patbob_200, Racecar_203, Talia1610_204,

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

Genes that do not have the "Most Annotated" start:
• Bloom_206, Chilliams_201, FrostedClock_205, Laure_205, Phrampa_195, SJReid_208,

Summary by start number:

Start 2:
• Found in 1 of 12 (8.3%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Chilliams_201 (FC),

Start 4:

• Found in 3 of 12 (25.0%) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 66.7% of time when present
• Phage (with cluster) where this start called: Laure_205 (UNK), SJReid_208 (FC),

Start 6:
• Found in 3 of 12 (25.0%) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Bloom_206 (FC), FrostedClock_205 (FC), Phrampa_195 (FC),

Start 9:
• Found in 6 of 12 (50.0%) of genes in pham
• Manual Annotations of this start: 5 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: FloraSnap32_201 (FC), GoldenEssence_191 (FC), Mimi_202 (FC), Patbob_200 (FC), Racecar_203 (FC), Talia1610_204 (FC),

Summary by clusters:

There are 2 clusters represented in this pham: UNK, FC,

Info for manual annotations of cluster FC:
•Start number 4 was manually annotated 1 time for cluster FC.
•Start number 6 was manually annotated 1 time for cluster FC.
•Start number 9 was manually annotated 5 times for cluster FC.

Gene Information:

Gene: Bloom_206 Start: 141110, Stop: 141490, Start Num: 6
Candidate Starts for Bloom_206:
(1, 141035), (Start: 6 @141110 has 1 MA's), (8, 141125), (10, 141185), (14, 141287), (15, 141344), (16, 141347), (19, 141395),

Gene: Chilliams_201 Start: 136970, Stop: 137389, Start Num: 2
Candidate Starts for Chilliams_201:
(2, 136970), (Start: 4 @137003 has 1 MA's), (11, 137132), (23, 137363),

Gene: FloraSnap32_201 Start: 140056, Stop: 140373, Start Num: 9
Candidate Starts for FloraSnap32_201:
(Start: 9 @140056 has 5 MA's), (12, 140137), (13, 140167), (15, 140230), (16, 140233), (19, 140278),

Gene: FrostedClock_205 Start: 141031, Stop: 141411, Start Num: 6
Candidate Starts for FrostedClock_205:
(1, 140956), (Start: 6 @141031 has 1 MA's), (8, 141046), (10, 141106), (14, 141208), (15, 141265), (16, 141268), (19, 141316),

Gene: GoldenEssence_191 Start: 135430, Stop: 135747, Start Num: 9

Candidate Starts for GoldenEssence_191:
(Start: 9 @135430 has 5 MA's), (12, 135511), (13, 135541), (15, 135604), (16, 135607), (19, 135652),

Gene: Laure_205 Start: 129457, Stop: 129855, Start Num: 4
Candidate Starts for Laure_205:
(3, 129430), (Start: 4 @129457 has 1 MA's), (5, 129466), (7, 129478), (11, 129598), (17, 129700), (19, 129739), (22, 129817), (24, 129829),

Gene: Mimi_202 Start: 140839, Stop: 141156, Start Num: 9
Candidate Starts for Mimi_202:
(Start: 9 @140839 has 5 MA's), (12, 140920), (13, 140950), (15, 141013), (16, 141016), (19, 141061),

Gene: Patbob_200 Start: 141226, Stop: 141543, Start Num: 9
Candidate Starts for Patbob_200:
(8, 141181), (Start: 9 @141226 has 5 MA's), (12, 141307), (13, 141337), (15, 141400), (16, 141403), (19, 141448),

Gene: Phrampa_195 Start: 140546, Stop: 140926, Start Num: 6
Candidate Starts for Phrampa_195:
(5, 140543), (Start: 6 @140546 has 1 MA's), (15, 140780), (16, 140783), (18, 140822), (19, 140831), (20, 140846), (21, 140861),

Gene: Racecar_203 Start: 140951, Stop: 141268, Start Num: 9
Candidate Starts for Racecar_203:
(Start: 9 @140951 has 5 MA's), (12, 141032), (13, 141062), (15, 141125), (16, 141128), (19, 141173),

Gene: SJReid_208 Start: 134559, Stop: 134945, Start Num: 4
Candidate Starts for SJReid_208:
(Start: 4 @134559 has 1 MA's), (23, 134919),

Gene: Talia1610_204 Start: 141247, Stop: 141564, Start Num: 9
Candidate Starts for Talia1610_204:
(Start: 9 @141247 has 5 MA's), (12, 141328), (13, 141358), (15, 141421), (16, 141424), (19, 141469),