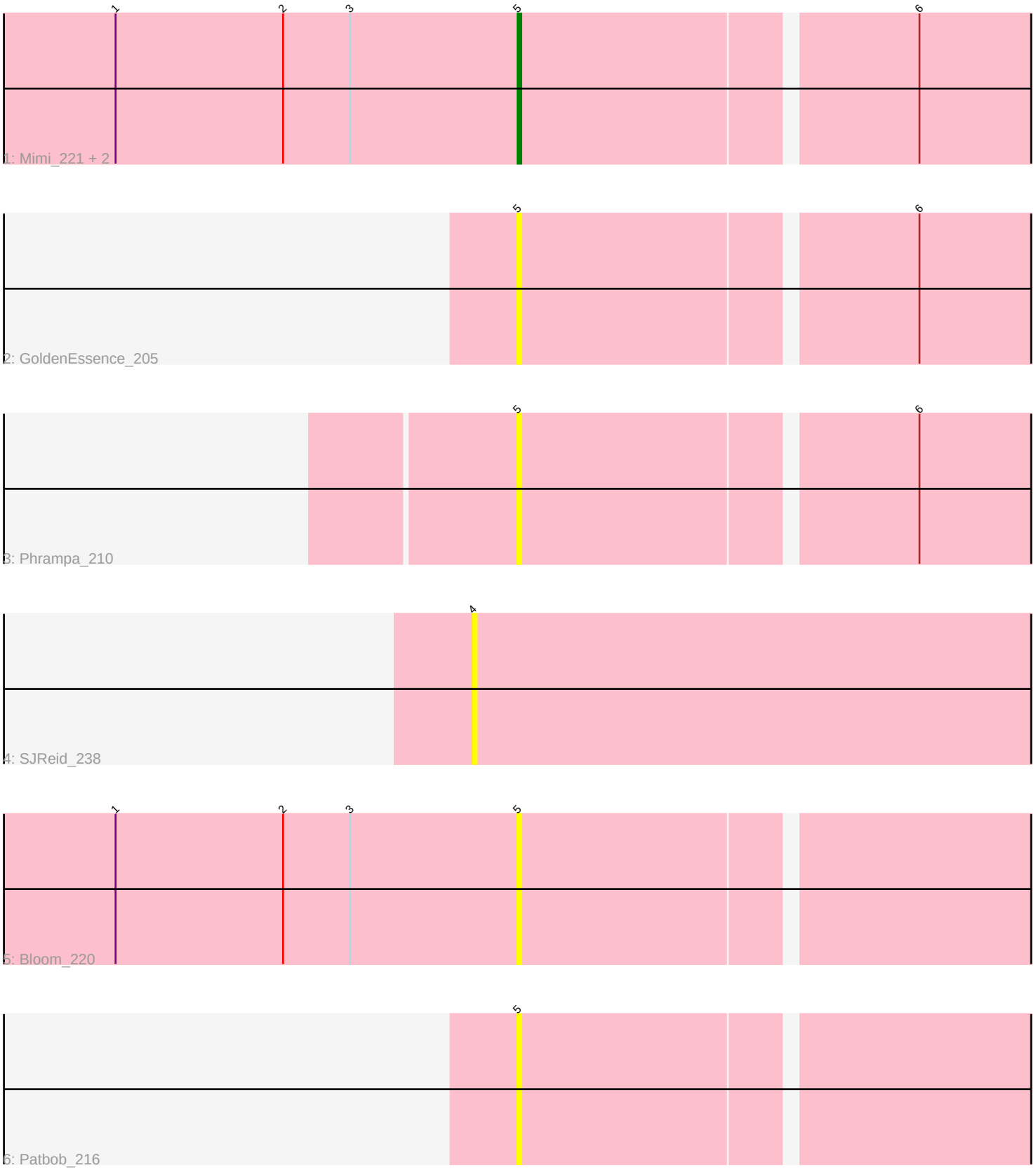
Pham 203627


1
2
3
5
6
1: Mimi_221 + 2
5
6
2: GoldenEssence_205
5
6
3: Phrampa_210
4
4: SJReid_238
1
2
3
5
5: Bloom_220
5
6: Patbob_216

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 203627 Report

This analysis was run 01/18/25 on database version 583.

Pham number 203627 has 8 members, 6 are drafts.

Phages represented in each track:
• Track 1 : Mimi_221, Talia1610_217, Racecar_217
• Track 2 : GoldenEssence_205
• Track 3 : Phrampa_210
• Track 4 : SJReid_238
• Track 5 : Bloom_220
• Track 6 : Patbob_216

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

The start number called the most often in the published annotations is 5, it was called in 2 of the 2 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Bloom_220, GoldenEssence_205, Mimi_221, Patbob_216, Phrampa_210, Racecar_217, Talia1610_217,

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

Genes that do not have the "Most Annotated" start:
• SJReid_238,

Summary by start number:

Start 4:
• Found in 1 of 8 (12.5%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: SJReid_238 (FC),

Start 5:
• Found in 7 of 8 (87.5%) of genes in pham
• Manual Annotations of this start: 2 of 2
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Bloom_220 (FC), GoldenEssence_205 (FC), Mimi_221 (FC), Patbob_216 (FC), Phrampa_210 (FC), Racecar_217 (FC), Talia1610_217 (FC),

Summary by clusters:

There is one cluster represented in this pham: FC

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

Gene Information:

Gene: Bloom_220 Start: 147221, Stop: 147385, Start Num: 5
Candidate Starts for Bloom_220:
(1, 147113), (2, 147158), (3, 147176), (Start: 5 @147221 has 2 MA's),

Gene: GoldenEssence_205 Start: 141198, Stop: 141362, Start Num: 5
Candidate Starts for GoldenEssence_205:
(Start: 5 @141198 has 2 MA's), (6, 141300),

Gene: Mimi_221 Start: 146596, Stop: 146760, Start Num: 5
Candidate Starts for Mimi_221:
(1, 146488), (2, 146533), (3, 146551), (Start: 5 @146596 has 2 MA's), (6, 146698),

Gene: Patbob_216 Start: 146994, Stop: 147158, Start Num: 5
Candidate Starts for Patbob_216:
(Start: 5 @146994 has 2 MA's),

Gene: Phrampa_210 Start: 147748, Stop: 147948, Start Num: 5
Candidate Starts for Phrampa_210:
(Start: 5 @147748 has 2 MA's), (6, 147850),

Gene: Racecar_217 Start: 146975, Stop: 147139, Start Num: 5
Candidate Starts for Racecar_217:
(1, 146867), (2, 146912), (3, 146930), (Start: 5 @146975 has 2 MA's), (6, 147077),

Gene: SJReid_238 Start: 146609, Stop: 146782, Start Num: 4
Candidate Starts for SJReid_238:
(4, 146609),

Gene: Talia1610_217 Start: 147005, Stop: 147169, Start Num: 5
Candidate Starts for Talia1610_217:
(1, 146897), (2, 146942), (3, 146960), (Start: 5 @147005 has 2 MA's), (6, 147107),