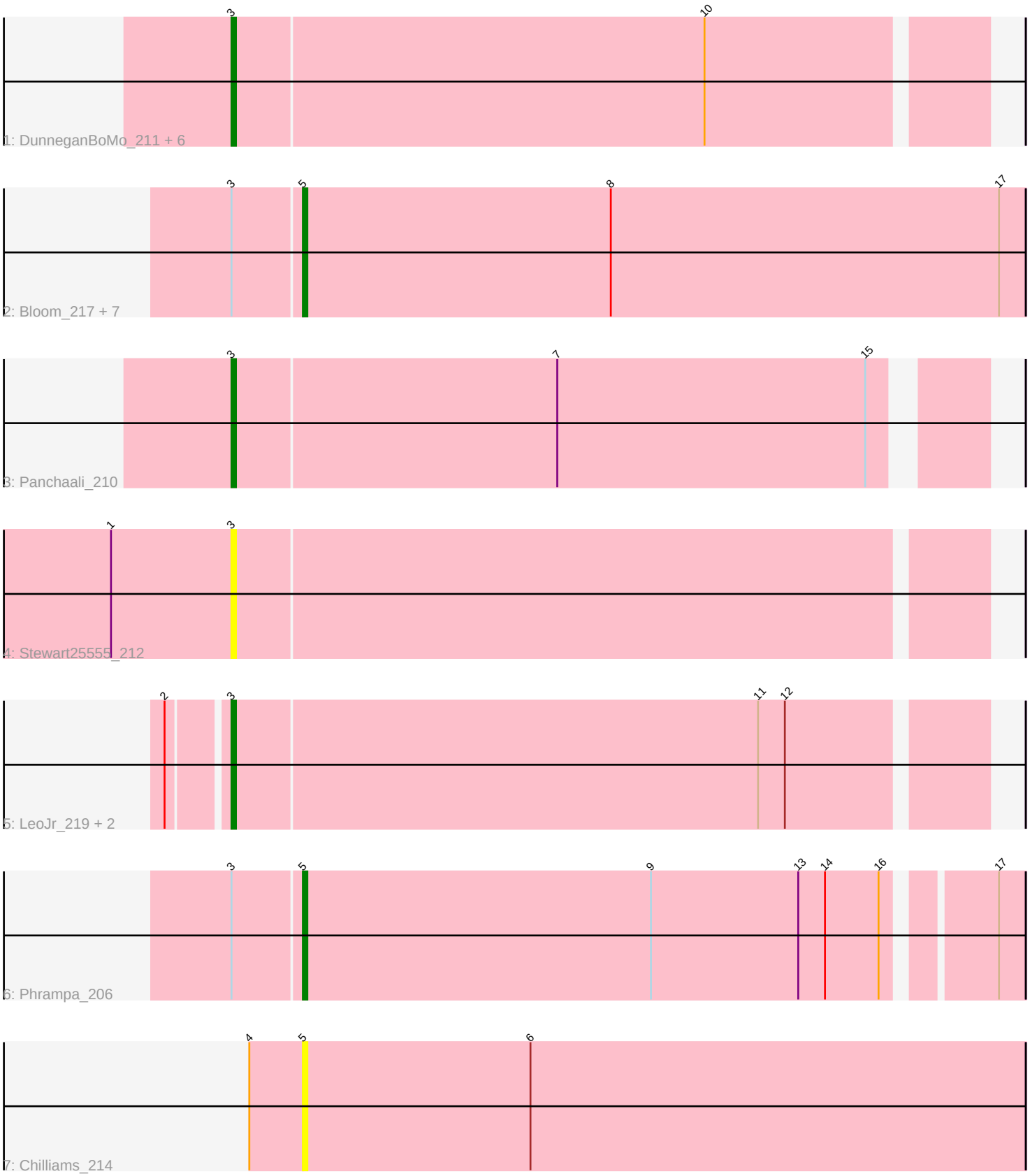
Pham 309271


3
10
1: DunneganBoMo_211 + 6
3
5
8
17
2: Bloom_217 + 7
3
7
15
3: Panchaali_210
1
3
4: Stewart25555_212
2
3
11
12
5: LeoJr_219 + 2
3
5
9
13
14
16
17
6: Phrampa_206
4
5
6
7: Chilliams_214

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 309271 Report

This analysis was run 06/27/26 on database version 652.

Pham number 309271 has 22 members, 11 are drafts.

Phages represented in each track:
• Track 1 : DunneganBoMo_211, Artu_210, Emmetator_212, WaddleDee_206, BooTeria_219, Ellewin_209, KSunshine22_215
• Track 2 : Bloom_217, FloraSnap32_210, Racecar_214, Patbob_210, Talia1610_214, FrostedClock_216, GoldenEssence_201, Mimi_212
• Track 3 : Panchaali_210
• Track 4 : Stewart25555_212
• Track 5 : LeoJr_219, Atuin_209, ReginaGlobina_221
• Track 6 : Phrampa_206
• Track 7 : Chilliams_214

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

Genes that call this "Most Annotated" start:
• Bloom_217, Chilliams_214, FloraSnap32_210, FrostedClock_216, GoldenEssence_201, Mimi_212, Patbob_210, Phrampa_206, Racecar_214, Talia1610_214,

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

Genes that do not have the "Most Annotated" start:
• Artu_210, Atuin_209, BooTeria_219, DunneganBoMo_211, Ellewin_209, Emmetator_212, KSunshine22_215, LeoJr_219, Panchaali_210, ReginaGlobina_221, Stewart25555_212, WaddleDee_206,

Summary by start number:

Start 3:
• Found in 21 of 22 (95.5%) of genes in pham
• Manual Annotations of this start: 5 of 11
• Called 57.1% of time when present

• Phage (with cluster) where this start called: Artu_210 (FC), Atuin_209 (FC), BooTeria_219 (FC), DunneganBoMo_211 (FC), Ellewin_209 (FC), Emmetator_212 (FC), KSunshine22_215 (FC), LeoJr_219 (FC), Panchaali_210 (FC), ReginaGlobina_221 (FC), Stewart25555_212 (FC), WaddleDee_206 (FC),

Start 5:
• Found in 10 of 22 (45.5%) of genes in pham
• Manual Annotations of this start: 6 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Bloom_217 (FC), Chilliams_214 (FC), FloraSnap32_210 (FC), FrostedClock_216 (FC), GoldenEssence_201 (FC), Mimi_212 (FC), Patbob_210 (FC), Phrampa_206 (FC), Racecar_214 (FC), Talia1610_214 (FC),

Summary by clusters:

There is one cluster represented in this pham: FC

Info for manual annotations of cluster FC:
•Start number 3 was manually annotated 5 times for cluster FC.
•Start number 5 was manually annotated 6 times for cluster FC.

Gene Information:

Gene: Artu_210 Start: 151178, Stop: 151342, Start Num: 3
Candidate Starts for Artu_210:
(Start: 3 @151178 has 5 MA's), (10, 151283),

Gene: Atuin_209 Start: 144655, Stop: 144819, Start Num: 3
Candidate Starts for Atuin_209:
(2, 144643), (Start: 3 @144655 has 5 MA's), (11, 144772), (12, 144778),

Gene: Bloom_217 Start: 146106, Stop: 146267, Start Num: 5
Candidate Starts for Bloom_217:
(Start: 3 @146091 has 5 MA's), (Start: 5 @146106 has 6 MA's), (8, 146175), (17, 146262),

Gene: BooTeria_219 Start: 150918, Stop: 151082, Start Num: 3
Candidate Starts for BooTeria_219:
(Start: 3 @150918 has 5 MA's), (10, 151023),

Gene: Chilliams_214 Start: 142193, Stop: 142354, Start Num: 5
Candidate Starts for Chilliams_214:
(4, 142181), (Start: 5 @142193 has 6 MA's), (6, 142244),

Gene: DunneganBoMo_211 Start: 150382, Stop: 150546, Start Num: 3
Candidate Starts for DunneganBoMo_211:
(Start: 3 @150382 has 5 MA's), (10, 150487),

Gene: Ellewin_209 Start: 149655, Stop: 149819, Start Num: 3
Candidate Starts for Ellewin_209:
(Start: 3 @149655 has 5 MA's), (10, 149760),

Gene: Emmetator_212 Start: 149548, Stop: 149712, Start Num: 3
Candidate Starts for Emmetator_212:
(Start: 3 @149548 has 5 MA's), (10, 149653),

Gene: FloraSnap32_210 Start: 144229, Stop: 144390, Start Num: 5
Candidate Starts for FloraSnap32_210:
(Start: 3 @144214 has 5 MA's), (Start: 5 @144229 has 6 MA's), (8, 144298), (17, 144385),

Gene: FrostedClock_216 Start: 146026, Stop: 146187, Start Num: 5
Candidate Starts for FrostedClock_216:
(Start: 3 @146011 has 5 MA's), (Start: 5 @146026 has 6 MA's), (8, 146095), (17, 146182),

Gene: GoldenEssence_201 Start: 140082, Stop: 140243, Start Num: 5
Candidate Starts for GoldenEssence_201:
(Start: 3 @140067 has 5 MA's), (Start: 5 @140082 has 6 MA's), (8, 140151), (17, 140238),

Gene: KSunshine22_215 Start: 149066, Stop: 149230, Start Num: 3
Candidate Starts for KSunshine22_215:
(Start: 3 @149066 has 5 MA's), (10, 149171),

Gene: LeoJr_219 Start: 144827, Stop: 144991, Start Num: 3
Candidate Starts for LeoJr_219:
(2, 144815), (Start: 3 @144827 has 5 MA's), (11, 144944), (12, 144950),

Gene: Mimi_212 Start: 145481, Stop: 145642, Start Num: 5
Candidate Starts for Mimi_212:
(Start: 3 @145466 has 5 MA's), (Start: 5 @145481 has 6 MA's), (8, 145550), (17, 145637),

Gene: Panchaali_210 Start: 150987, Stop: 151148, Start Num: 3
Candidate Starts for Panchaali_210:
(Start: 3 @150987 has 5 MA's), (7, 151059), (15, 151128),

Gene: Patbob_210 Start: 145879, Stop: 146040, Start Num: 5
Candidate Starts for Patbob_210:
(Start: 3 @145864 has 5 MA's), (Start: 5 @145879 has 6 MA's), (8, 145948), (17, 146035),

Gene: Phrampa_206 Start: 146340, Stop: 146495, Start Num: 5
Candidate Starts for Phrampa_206:
(Start: 3 @146325 has 5 MA's), (Start: 5 @146340 has 6 MA's), (9, 146418), (13, 146451), (14, 146457), (16, 146469), (17, 146490),

Gene: Racecar_214 Start: 145861, Stop: 146022, Start Num: 5
Candidate Starts for Racecar_214:
(Start: 3 @145846 has 5 MA's), (Start: 5 @145861 has 6 MA's), (8, 145930), (17, 146017),

Gene: ReginaGlobina_221 Start: 146111, Stop: 146275, Start Num: 3
Candidate Starts for ReginaGlobina_221:
(2, 146099), (Start: 3 @146111 has 5 MA's), (11, 146228), (12, 146234),

Gene: Stewart25555_212 Start: 148352, Stop: 148516, Start Num: 3
Candidate Starts for Stewart25555_212:
(1, 148325), (Start: 3 @148352 has 5 MA's),

Gene: Talia1610_214 Start: 145890, Stop: 146051, Start Num: 5
Candidate Starts for Talia1610_214:
(Start: 3 @145875 has 5 MA's), (Start: 5 @145890 has 6 MA's), (8, 145959), (17, 146046),

Gene: WaddleDee_206 Start: 148843, Stop: 149007, Start Num: 3
Candidate Starts for WaddleDee_206:
(Start: 3 @148843 has 5 MA's), (10, 148948),