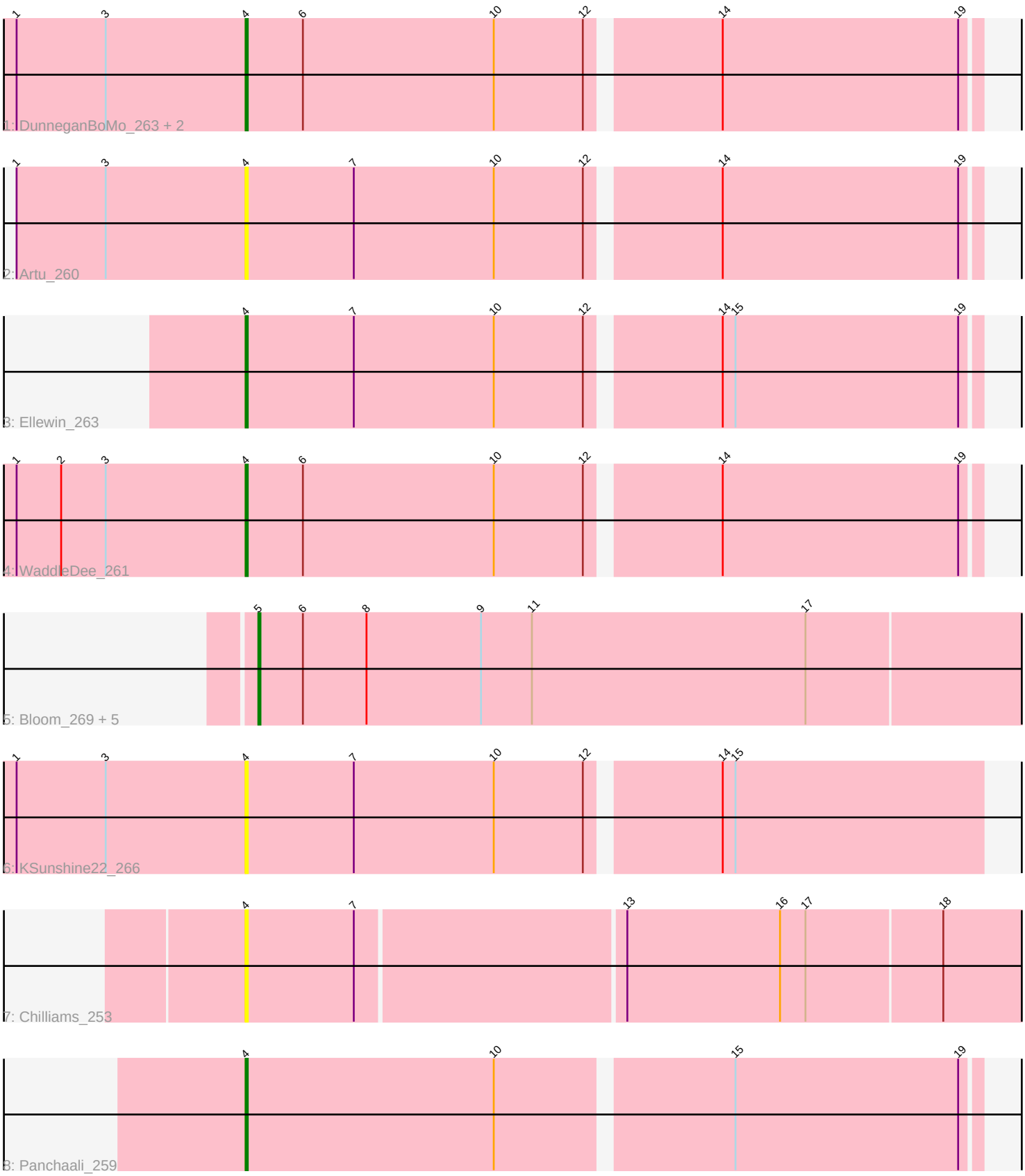
Pham 321966


1
3
4
6
10
12
14
19
1: DunneganBoMo_263 + 2
1
3
4
7
10
12
14
19
2: Artu_260
4
7
10
12
14
15
19
3: Ellewin_263
1
2
3
4
6
10
12
14
19
4: WaddleDee_261
5
6
8
9
11
17
5: Bloom_269 + 5
1
3
4
7
10
12
14
15
6: KSunshine22_266
4
7
13
16
17
18
7: Chilliams_253
4
10
15
19
8: Panchaali_259

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 321966 Report

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

Pham number 321966 has 15 members, 6 are drafts.

Phages represented in each track:
• Track 1 : DunneganBoMo_263, Emmetator_263, BooTeria_259
• Track 2 : Artu_260
• Track 3 : Ellewin_263
• Track 4 : WaddleDee_261
• Track 5 : Bloom_269, FrostedClock_268, Mimi_265, Patbob_264, Racecar_267, GoldenEssence_259
• Track 6 : KSunshine22_266
• Track 7 : Chilliams_253
• Track 8 : Panchaali_259

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 5 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Artu_260, BooTeria_259, Chilliams_253, DunneganBoMo_263, Ellewin_263, Emmetator_263, KSunshine22_266, Panchaali_259, WaddleDee_261,

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

Genes that do not have the "Most Annotated" start:
• Bloom_269, FrostedClock_268, GoldenEssence_259, Mimi_265, Patbob_264, Racecar_267,

Summary by start number:

Start 4:
• Found in 9 of 15 (60.0%) of genes in pham
• Manual Annotations of this start: 5 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Artu_260 (FC), BooTeria_259 (FC), Chilliams_253 (FC), DunneganBoMo_263 (FC), Ellewin_263 (FC), Emmetator_263

(FC), KSunshine22_266 (FC), Panchaali_259 (FC), WaddleDee_261 (FC),

Start 5:
• Found in 6 of 15 (40.0%) of genes in pham
• Manual Annotations of this start: 4 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Bloom_269 (FC), FrostedClock_268 (FC), GoldenEssence_259 (FC), Mimi_265 (FC), Patbob_264 (FC), Racecar_267 (FC),

Summary by clusters:

There is one cluster represented in this pham: FC

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

Gene Information:

Gene: Artu_260 Start: 169153, Stop: 169488, Start Num: 4
Candidate Starts for Artu_260:
(1, 169045), (3, 169087), (Start: 4 @169153 has 5 MA's), (7, 169204), (10, 169270), (12, 169312), (14, 169369), (19, 169480),

Gene: Bloom_269 Start: 165321, Stop: 165680, Start Num: 5
Candidate Starts for Bloom_269:
(Start: 5 @165321 has 4 MA's), (6, 165342), (8, 165372), (9, 165426), (11, 165450), (17, 165579),

Gene: BooTeria_259 Start: 168372, Stop: 168707, Start Num: 4
Candidate Starts for BooTeria_259:
(1, 168264), (3, 168306), (Start: 4 @168372 has 5 MA's), (6, 168399), (10, 168489), (12, 168531), (14, 168588), (19, 168699),

Gene: Chilliams_253 Start: 156851, Stop: 157210, Start Num: 4
Candidate Starts for Chilliams_253:
(Start: 4 @156851 has 5 MA's), (7, 156902), (13, 157025), (16, 157097), (17, 157109), (18, 157172),

Gene: DunneganBoMo_263 Start: 168125, Stop: 168460, Start Num: 4
Candidate Starts for DunneganBoMo_263:
(1, 168017), (3, 168059), (Start: 4 @168125 has 5 MA's), (6, 168152), (10, 168242), (12, 168284), (14, 168341), (19, 168452),

Gene: Ellewin_263 Start: 168806, Stop: 169141, Start Num: 4
Candidate Starts for Ellewin_263:
(Start: 4 @168806 has 5 MA's), (7, 168857), (10, 168923), (12, 168965), (14, 169022), (15, 169028), (19, 169133),

Gene: Emmetator_263 Start: 167284, Stop: 167619, Start Num: 4
Candidate Starts for Emmetator_263:

(1, 167176), (3, 167218), (Start: 4 @167284 has 5 MA's), (6, 167311), (10, 167401), (12, 167443), (14, 167500), (19, 167611),

Gene: FrostedClock_268 Start: 165813, Stop: 166172, Start Num: 5
Candidate Starts for FrostedClock_268:
(Start: 5 @165813 has 4 MA's), (6, 165834), (8, 165864), (9, 165918), (11, 165942), (17, 166071),

Gene: GoldenEssence_259 Start: 161317, Stop: 161676, Start Num: 5
Candidate Starts for GoldenEssence_259:
(Start: 5 @161317 has 4 MA's), (6, 161338), (8, 161368), (9, 161422), (11, 161446), (17, 161575),

Gene: KSunshine22_266 Start: 167247, Stop: 167585, Start Num: 4
Candidate Starts for KSunshine22_266:
(1, 167139), (3, 167181), (Start: 4 @167247 has 5 MA's), (7, 167298), (10, 167364), (12, 167406), (14, 167463), (15, 167469),

Gene: Mimi_265 Start: 164696, Stop: 165055, Start Num: 5
Candidate Starts for Mimi_265:
(Start: 5 @164696 has 4 MA's), (6, 164717), (8, 164747), (9, 164801), (11, 164825), (17, 164954),

Gene: Panchaali_259 Start: 168038, Stop: 168373, Start Num: 4
Candidate Starts for Panchaali_259:
(Start: 4 @168038 has 5 MA's), (10, 168155), (15, 168260), (19, 168365),

Gene: Patbob_264 Start: 166220, Stop: 166579, Start Num: 5
Candidate Starts for Patbob_264:
(Start: 5 @166220 has 4 MA's), (6, 166241), (8, 166271), (9, 166325), (11, 166349), (17, 166478),

Gene: Racecar_267 Start: 165075, Stop: 165434, Start Num: 5
Candidate Starts for Racecar_267:
(Start: 5 @165075 has 4 MA's), (6, 165096), (8, 165126), (9, 165180), (11, 165204), (17, 165333),

Gene: WaddleDee_261 Start: 167658, Stop: 167993, Start Num: 4
Candidate Starts for WaddleDee_261:
(1, 167550), (2, 167571), (3, 167592), (Start: 4 @167658 has 5 MA's), (6, 167685), (10, 167775), (12, 167817), (14, 167874), (19, 167985),