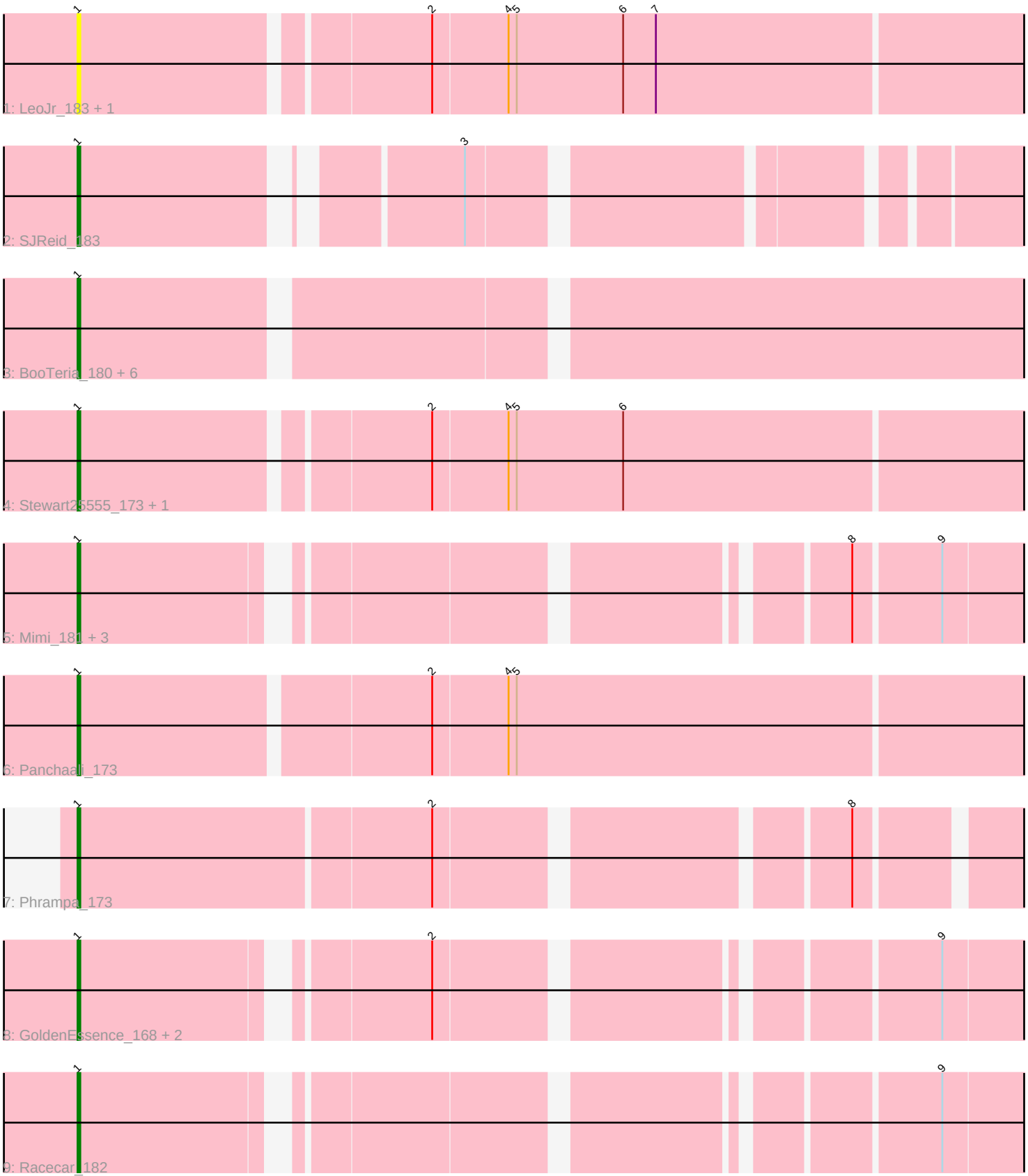
Pham 309266


1
2
4
5
6
7
1: LeoJr_183 + 1
1
3
2: SJReid_183
1
3: BooTeria_180 + 6
1
2
4
5
6
4: Stewart25555_173 + 1
1
8
9
5: Mimi_181 + 3
1
2
4
5
6: Panchaali_173
1
2
8
7: Phrampa_173
1
2
9
8: GoldenEssence_168 + 2
1
9
9: Racecar_182

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 309266 Report

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

Pham number 309266 has 22 members, 10 are drafts.

Phages represented in each track:
• Track 1 : LeoJr_183, ReginaGlobina_187
• Track 2 : SJReid_183
• Track 3 : BooTeria_180, DunneganBoMo_171, Ellewin_171, Artu_174, KSunshine22_177, WaddleDee_167, Emmetator_174
• Track 4 : Stewart25555_173, Atuin_174
• Track 5 : Mimi_181, Talia1610_182, Bloom_185, FrostedClock_184
• Track 6 : Panchaali_173
• Track 7 : Phrampa_173
• Track 8 : GoldenEssence_168, FloraSnap32_178, Patbob_179
• Track 9 : Racecar_182

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

The start number called the most often in the published annotations is 1, it was called in 12 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Artu_174, Atuin_174, Bloom_185, BooTeria_180, DunneganBoMo_171, Ellewin_171, Emmetator_174, FloraSnap32_178, FrostedClock_184, GoldenEssence_168, KSunshine22_177, LeoJr_183, Mimi_181, Panchaali_173, Patbob_179, Phrampa_173, Racecar_182, ReginaGlobina_187, SJReid_183, Stewart25555_173, Talia1610_182, WaddleDee_167,

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

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

Summary by start number:

Start 1:
• Found in 22 of 22 (100.0%) of genes in pham
• Manual Annotations of this start: 12 of 12

• Called 100.0% of time when present
• Phage (with cluster) where this start called: Artu_174 (FC), Atuin_174 (FC), Bloom_185 (FC), BooTeria_180 (FC), DunneganBoMo_171 (FC), Ellewin_171 (FC), Emmetator_174 (FC), FloraSnap32_178 (FC), FrostedClock_184 (FC), GoldenEssence_168 (FC), KSunshine22_177 (FC), LeoJr_183 (FC), Mimi_181 (FC), Panchaali_173 (FC), Patbob_179 (FC), Phrampa_173 (FC), Racecar_182 (FC), ReginaGlobina_187 (FC), SJReid_183 (FC), Stewart25555_173 (FC), Talia1610_182 (FC), WaddleDee_167 (FC),

Summary by clusters:

There is one cluster represented in this pham: FC

Info for manual annotations of cluster FC:
•Start number 1 was manually annotated 12 times for cluster FC.

Gene Information:

Gene: Artu_174 Start: 119020, Stop: 119421, Start Num: 1
Candidate Starts for Artu_174:
(Start: 1 @119020 has 12 MA's),

Gene: Atuin_174 Start: 120924, Stop: 121382, Start Num: 1
Candidate Starts for Atuin_174:
(Start: 1 @120924 has 12 MA's), (2, 121044), (4, 121071), (5, 121074), (6, 121113),

Gene: Bloom_185 Start: 120721, Stop: 121113, Start Num: 1
Candidate Starts for Bloom_185:
(Start: 1 @120721 has 12 MA's), (8, 120967), (9, 120997),

Gene: BooTeria_180 Start: 118441, Stop: 118842, Start Num: 1
Candidate Starts for BooTeria_180:
(Start: 1 @118441 has 12 MA's),

Gene: DunneganBoMo_171 Start: 117623, Stop: 118024, Start Num: 1
Candidate Starts for DunneganBoMo_171:
(Start: 1 @117623 has 12 MA's),

Gene: Ellewin_171 Start: 117798, Stop: 118199, Start Num: 1
Candidate Starts for Ellewin_171:
(Start: 1 @117798 has 12 MA's),

Gene: Emmetator_174 Start: 117939, Stop: 118340, Start Num: 1
Candidate Starts for Emmetator_174:
(Start: 1 @117939 has 12 MA's),

Gene: FloraSnap32_178 Start: 119046, Stop: 119438, Start Num: 1
Candidate Starts for FloraSnap32_178:
(Start: 1 @119046 has 12 MA's), (2, 119160), (9, 119322),

Gene: FrostedClock_184 Start: 121290, Stop: 121688, Start Num: 1

Candidate Starts for FrostedClock_184:
(Start: 1 @121290 has 12 MA's), (8, 121536), (9, 121566),

Gene: GoldenEssence_168 Start: 114288, Stop: 114680, Start Num: 1
Candidate Starts for GoldenEssence_168:
(Start: 1 @114288 has 12 MA's), (2, 114402), (9, 114564),

Gene: KSunshine22_177 Start: 119435, Stop: 119836, Start Num: 1
Candidate Starts for KSunshine22_177:
(Start: 1 @119435 has 12 MA's),

Gene: LeoJr_183 Start: 121461, Stop: 121940, Start Num: 1
Candidate Starts for LeoJr_183:
(Start: 1 @121461 has 12 MA's), (2, 121581), (4, 121608), (5, 121611), (6, 121650), (7, 121662),

Gene: Mimi_181 Start: 120348, Stop: 120740, Start Num: 1
Candidate Starts for Mimi_181:
(Start: 1 @120348 has 12 MA's), (8, 120594), (9, 120624),

Gene: Panchaali_173 Start: 118611, Stop: 119075, Start Num: 1
Candidate Starts for Panchaali_173:
(Start: 1 @118611 has 12 MA's), (2, 118734), (4, 118761), (5, 118764),

Gene: Patbob_179 Start: 120910, Stop: 121302, Start Num: 1
Candidate Starts for Patbob_179:
(Start: 1 @120910 has 12 MA's), (2, 121024), (9, 121186),

Gene: Phrampa_173 Start: 122468, Stop: 122887, Start Num: 1
Candidate Starts for Phrampa_173:
(Start: 1 @122468 has 12 MA's), (2, 122594), (8, 122729),

Gene: Racecar_182 Start: 121314, Stop: 121706, Start Num: 1
Candidate Starts for Racecar_182:
(Start: 1 @121314 has 12 MA's), (9, 121590),

Gene: ReginaGlobina_187 Start: 122734, Stop: 123210, Start Num: 1
Candidate Starts for ReginaGlobina_187:
(Start: 1 @122734 has 12 MA's), (2, 122854), (4, 122881), (5, 122884), (6, 122923), (7, 122935),

Gene: SJReid_183 Start: 110734, Stop: 111075, Start Num: 1
Candidate Starts for SJReid_183:
(Start: 1 @110734 has 12 MA's), (3, 110854),

Gene: Stewart25555_173 Start: 120312, Stop: 120773, Start Num: 1
Candidate Starts for Stewart25555_173:
(Start: 1 @120312 has 12 MA's), (2, 120432), (4, 120459), (5, 120462), (6, 120501),

Gene: Talia1610_182 Start: 120725, Stop: 121117, Start Num: 1
Candidate Starts for Talia1610_182:
(Start: 1 @120725 has 12 MA's), (8, 120971), (9, 121001),

Gene: WaddleDee_167 Start: 116896, Stop: 117297, Start Num: 1
Candidate Starts for WaddleDee_167:

(Start: 1 @116896 has 12 MA's),