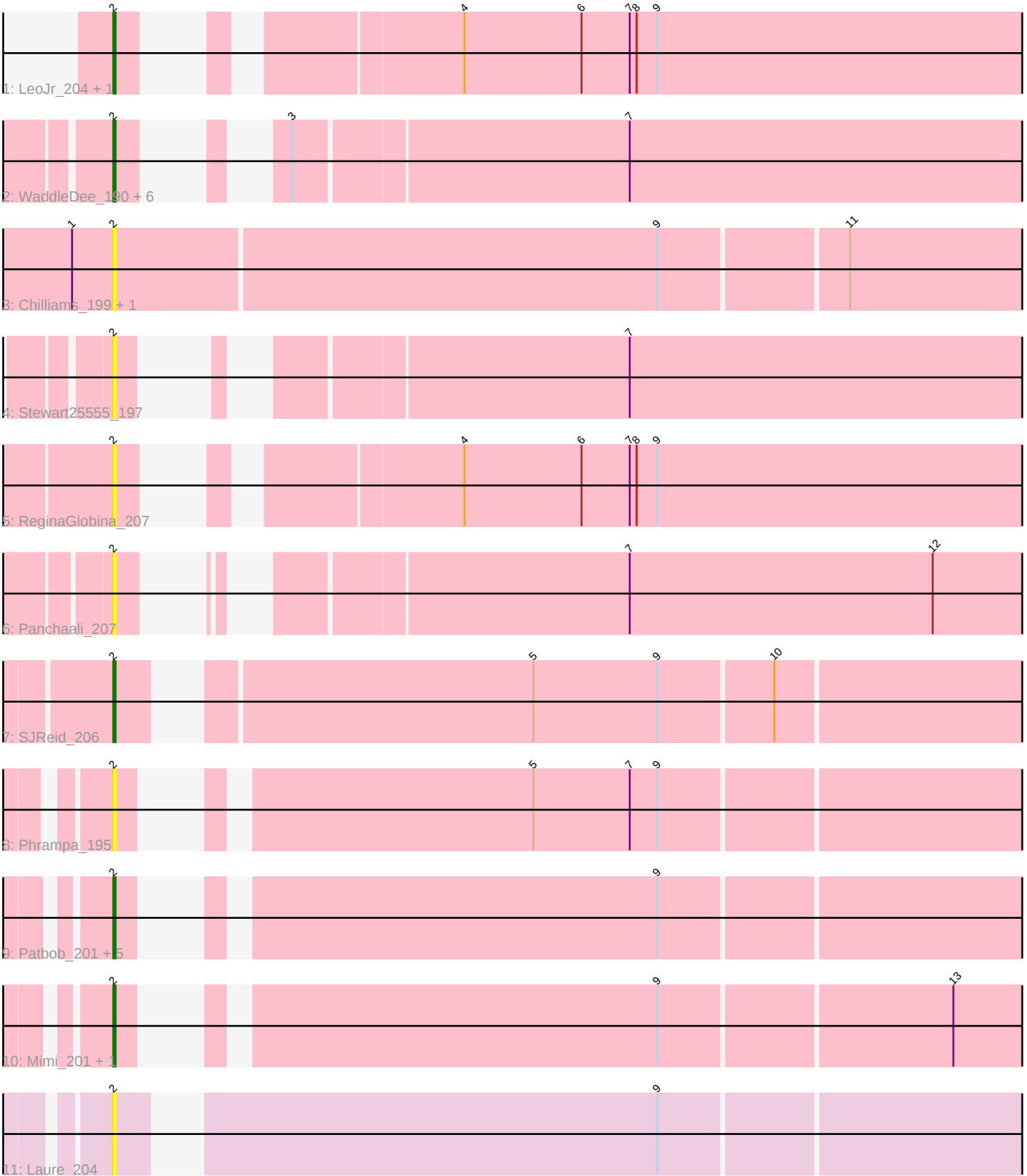


Pham 276503



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 276503 Report

This analysis was run 02/07/26 on database version 634.

Pham number 276503 has 25 members, 17 are drafts.

Phages represented in each track:

- Track 1 : LeoJr_204, Atuin_195
- Track 2 : WaddleDee_190, BooTeria_202, DunneganBoMo_194, Artu_196, Emmetator_197, Ellewin_199, KSunshine22_198
- Track 3 : Chilliams_199, Rockabye_204
- Track 4 : Stewart25555_197
- Track 5 : ReginaGlobina_207
- Track 6 : Panchaali_207
- Track 7 : SJReid_206
- Track 8 : Phrampa_195
- Track 9 : Patbob_201, Bloom_205, GoldenEssence_190, FloraSnap32_200, Racecar_202, FrostedClock_204
- Track 10 : Mimi_201, Talia1610_203
- Track 11 : Laure_204

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

The start number called the most often in the published annotations is 2, it was called in 8 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Artu_196, Atuin_195, Bloom_205, BooTeria_202, Chilliams_199, DunneganBoMo_194, Ellewin_199, Emmetator_197, FloraSnap32_200, FrostedClock_204, GoldenEssence_190, KSunshine22_198, Laure_204, LeoJr_204, Mimi_201, Panchaali_207, Patbob_201, Phrampa_195, Racecar_202, ReginaGlobina_207, Rockabye_204, SJReid_206, Stewart25555_197, Talia1610_203, WaddleDee_190,

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 2:

- Found in 25 of 25 (100.0%) of genes in pham
- Manual Annotations of this start: 8 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Artu_196 (FC), Atuin_195 (FC), Bloom_205 (FC), BooTeria_202 (FC), Chilliams_199 (FC), DunneganBoMo_194 (FC), Ellewin_199 (FC), Emmetator_197 (FC), FloraSnap32_200 (FC), FrostedClock_204 (FC), GoldenEssence_190 (FC), KSunshine22_198 (FC), Laure_204 (UNK), LeoJr_204 (FC), Mimi_201 (FC), Panchaali_207 (FC), Patbob_201 (FC), Phrampa_195 (FC), Racecar_202 (FC), ReginaGlobina_207 (FC), Rockabye_204 (FC), SJReid_206 (FC), Stewart25555_197 (FC), Talia1610_203 (FC), WaddleDee_190 (FC),

Summary by clusters:

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

Info for manual annotations of cluster FC:

- Start number 2 was manually annotated 8 times for cluster FC.

Gene Information:

Gene: Artu_196 Start: 145079, Stop: 145444, Start Num: 2

Candidate Starts for Artu_196:

(Start: 2 @145079 has 8 MA's), (3, 145106), (7, 145247),

Gene: Atuin_195 Start: 138894, Stop: 139280, Start Num: 2

Candidate Starts for Atuin_195:

(Start: 2 @138894 has 8 MA's), (4, 138999), (6, 139050), (7, 139071), (8, 139074), (9, 139083),

Gene: Bloom_205 Start: 140654, Stop: 141028, Start Num: 2

Candidate Starts for Bloom_205:

(Start: 2 @140654 has 8 MA's), (9, 140849),

Gene: BooTeria_202 Start: 144585, Stop: 144950, Start Num: 2

Candidate Starts for BooTeria_202:

(Start: 2 @144585 has 8 MA's), (3, 144612), (7, 144753),

Gene: Chilliams_199 Start: 136288, Stop: 136713, Start Num: 2

Candidate Starts for Chilliams_199:

(1, 136270), (Start: 2 @136288 has 8 MA's), (9, 136522), (11, 136600),

Gene: DunneganBoMo_194 Start: 144050, Stop: 144415, Start Num: 2

Candidate Starts for DunneganBoMo_194:

(Start: 2 @144050 has 8 MA's), (3, 144077), (7, 144218),

Gene: Ellewin_199 Start: 143316, Stop: 143681, Start Num: 2

Candidate Starts for Ellewin_199:

(Start: 2 @143316 has 8 MA's), (3, 143343), (7, 143484),

Gene: Emmetator_197 Start: 143449, Stop: 143814, Start Num: 2

Candidate Starts for Emmetator_197:

(Start: 2 @143449 has 8 MA's), (3, 143476), (7, 143617),

Gene: FloraSnap32_200 Start: 139542, Stop: 139916, Start Num: 2

Candidate Starts for FloraSnap32_200:

(Start: 2 @139542 has 8 MA's), (9, 139737),

Gene: FrostedClock_204 Start: 140575, Stop: 140949, Start Num: 2

Candidate Starts for FrostedClock_204:

(Start: 2 @140575 has 8 MA's), (9, 140770),

Gene: GoldenEssence_190 Start: 134916, Stop: 135290, Start Num: 2

Candidate Starts for GoldenEssence_190:

(Start: 2 @134916 has 8 MA's), (9, 135111),

Gene: KSunshine22_198 Start: 142727, Stop: 143092, Start Num: 2

Candidate Starts for KSunshine22_198:

(Start: 2 @142727 has 8 MA's), (3, 142754), (7, 142895),

Gene: Laure_204 Start: 128991, Stop: 129398, Start Num: 2

Candidate Starts for Laure_204:

(Start: 2 @128991 has 8 MA's), (9, 129204),

Gene: LeoJr_204 Start: 139068, Stop: 139454, Start Num: 2

Candidate Starts for LeoJr_204:

(Start: 2 @139068 has 8 MA's), (4, 139173), (6, 139224), (7, 139245), (8, 139248), (9, 139257),

Gene: Mimi_201 Start: 140325, Stop: 140699, Start Num: 2

Candidate Starts for Mimi_201:

(Start: 2 @140325 has 8 MA's), (9, 140520), (13, 140643),

Gene: Panchaali_207 Start: 144812, Stop: 145174, Start Num: 2

Candidate Starts for Panchaali_207:

(Start: 2 @144812 has 8 MA's), (7, 144977), (12, 145109),

Gene: Patbob_201 Start: 140712, Stop: 141086, Start Num: 2

Candidate Starts for Patbob_201:

(Start: 2 @140712 has 8 MA's), (9, 140907),

Gene: Phrampa_195 Start: 140082, Stop: 140474, Start Num: 2

Candidate Starts for Phrampa_195:

(Start: 2 @140082 has 8 MA's), (5, 140223), (7, 140265), (9, 140277),

Gene: Racecar_202 Start: 140437, Stop: 140811, Start Num: 2

Candidate Starts for Racecar_202:

(Start: 2 @140437 has 8 MA's), (9, 140632),

Gene: ReginaGlobina_207 Start: 140351, Stop: 140737, Start Num: 2

Candidate Starts for ReginaGlobina_207:

(Start: 2 @140351 has 8 MA's), (4, 140456), (6, 140507), (7, 140528), (8, 140531), (9, 140540),

Gene: Rockabye_204 Start: 135070, Stop: 135495, Start Num: 2
Candidate Starts for Rockabye_204:
(1, 135052), (Start: 2 @135070 has 8 MA's), (9, 135304), (11, 135382),

Gene: SJReid_206 Start: 133855, Stop: 134265, Start Num: 2
Candidate Starts for SJReid_206:
(Start: 2 @133855 has 8 MA's), (5, 134011), (9, 134065), (10, 134113),

Gene: Stewart25555_197 Start: 142109, Stop: 142471, Start Num: 2
Candidate Starts for Stewart25555_197:
(Start: 2 @142109 has 8 MA's), (7, 142274),

Gene: Talia1610_203 Start: 140733, Stop: 141107, Start Num: 2
Candidate Starts for Talia1610_203:
(Start: 2 @140733 has 8 MA's), (9, 140928), (13, 141051),

Gene: WaddleDee_190 Start: 142511, Stop: 142876, Start Num: 2
Candidate Starts for WaddleDee_190:
(Start: 2 @142511 has 8 MA's), (3, 142538), (7, 142679),