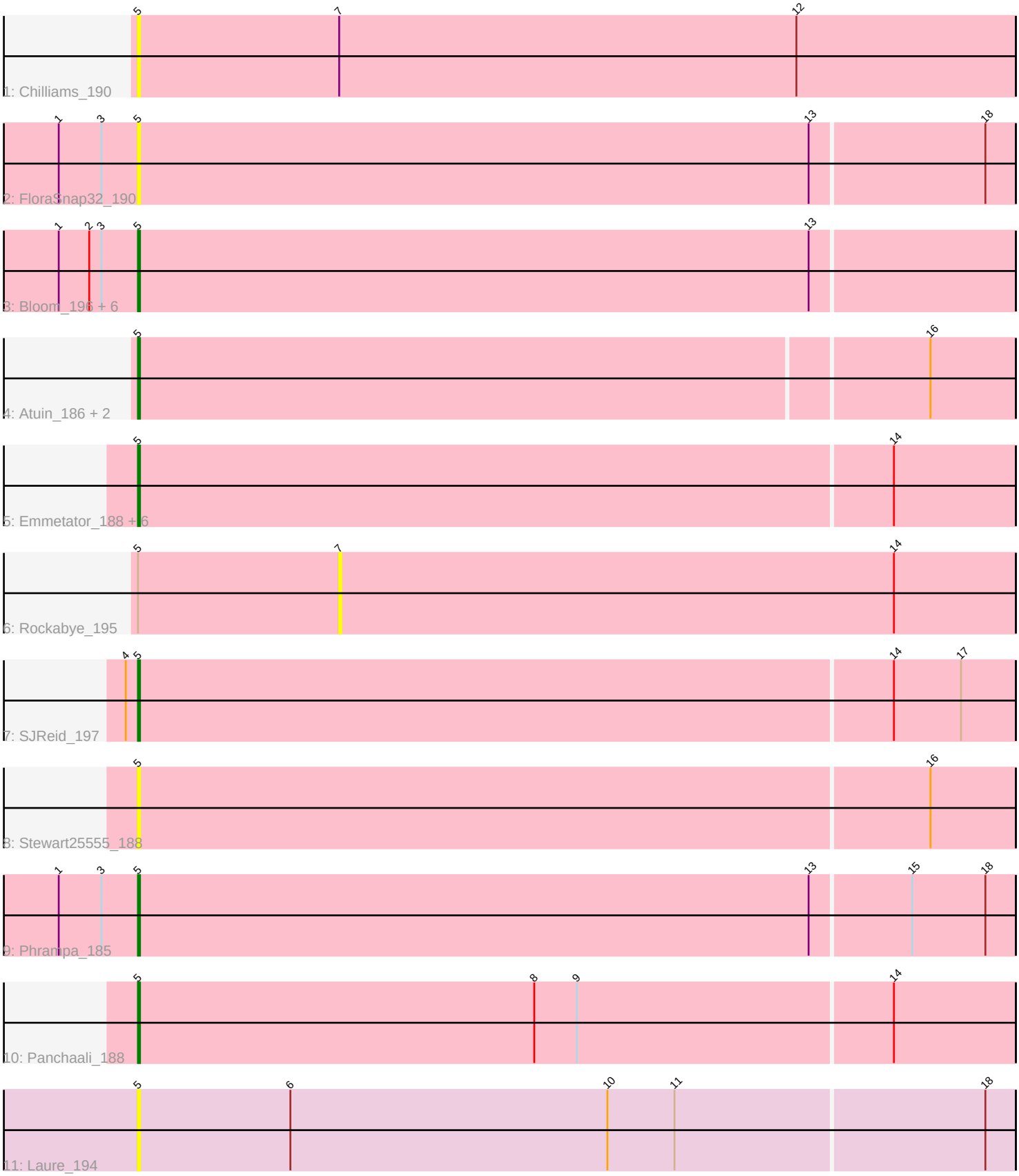
Pham 309165


5
7
12
1: Chilliams_190
1
3
5
13
18
2: FloraSnap32_190
1
2
3
5
13
3: Bloom_196 + 6
5
16
4: Atuin_186 + 2
5
14
5: Emmetator_188 + 6
5
7
14
6: Rockabye_195
4
5
14
17
7: SJReid_197
5
16
8: Stewart25555_188
1
3
5
13
15
18
9: Phrampa_185
5
8
9
14
10: Panchaali_188
5
6
10
11
18
11: Laure_194

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 309165 Report

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

Pham number 309165 has 25 members, 13 are drafts.

Phages represented in each track:
• Track 1 : Chilliams_190
• Track 2 : FloraSnap32_190
• Track 3 : Bloom_196, Racecar_193, Talia1610_193, FrostedClock_194, Patbob_190, GoldenEssence_180, Mimi_192
• Track 4 : Atuin_186, ReginaGlobina_199, LeoJr_195
• Track 5 : Emmetator_188, Ellewin_184, KSunshine22_189, WaddleDee_181, BooTeria_193, DunneganBoMo_184, Artu_188
• Track 6 : Rockabye_195
• Track 7 : SJReid_197
• Track 8 : Stewart25555_188
• Track 9 : Phrampa_185
• Track 10 : Panchaali_188
• Track 11 : Laure_194

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 12 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Artu_188, Atuin_186, Bloom_196, BooTeria_193, Chilliams_190, DunneganBoMo_184, Ellewin_184, Emmetator_188, FloraSnap32_190, FrostedClock_194, GoldenEssence_180, KSunshine22_189, Laure_194, LeoJr_195, Mimi_192, Panchaali_188, Patbob_190, Phrampa_185, Racecar_193, ReginaGlobina_199, SJReid_197, Stewart25555_188, Talia1610_193, WaddleDee_181,

Genes that have the "Most Annotated" start but do not call it:
• Rockabye_195,

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

Summary by start number:

Start 5:
• Found in 25 of 25 (100.0%) of genes in pham
• Manual Annotations of this start: 12 of 12
• Called 96.0% of time when present
• Phage (with cluster) where this start called: Artu_188 (FC), Atuin_186 (FC), Bloom_196 (FC), BooTeria_193 (FC), Chilliams_190 (FC), DunneganBoMo_184 (FC), Ellewin_184 (FC), Emmetator_188 (FC), FloraSnap32_190 (FC), FrostedClock_194 (FC), GoldenEssence_180 (FC), KSunshine22_189 (FC), Laure_194 (UNK), LeoJr_195 (FC), Mimi_192 (FC), Panchaali_188 (FC), Patbob_190 (FC), Phrampa_185 (FC), Racecar_193 (FC), ReginaGlobina_199 (FC), SJReid_197 (FC), Stewart25555_188 (FC), Talia1610_193 (FC), WaddleDee_181 (FC),

Start 7:
• Found in 2 of 25 (8.0%) of genes in pham
• No Manual Annotations of this start.
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Rockabye_195 (FC),

Summary by clusters:

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

Info for manual annotations of cluster FC:
•Start number 5 was manually annotated 12 times for cluster FC.

Gene Information:

Gene: Artu_188 Start: 138178, Stop: 138606, Start Num: 5
Candidate Starts for Artu_188:
(Start: 5 @138178 has 12 MA's), (14, 138547),

Gene: Atuin_186 Start: 131620, Stop: 132045, Start Num: 5
Candidate Starts for Atuin_186:
(Start: 5 @131620 has 12 MA's), (16, 132004),

Gene: Bloom_196 Start: 132945, Stop: 133373, Start Num: 5
Candidate Starts for Bloom_196:
(1, 132906), (2, 132921), (3, 132927), (Start: 5 @132945 has 12 MA's), (13, 133275),

Gene: BooTeria_193 Start: 137684, Stop: 138112, Start Num: 5
Candidate Starts for BooTeria_193:
(Start: 5 @137684 has 12 MA's), (14, 138053),

Gene: Chilliams_190 Start: 128904, Stop: 129335, Start Num: 5
Candidate Starts for Chilliams_190:
(Start: 5 @128904 has 12 MA's), (7, 129003), (12, 129228),

Gene: DunneganBoMo_184 Start: 136342, Stop: 136770, Start Num: 5
Candidate Starts for DunneganBoMo_184:

(Start: 5 @136342 has 12 MA's), (14, 136711),

Gene: Ellewin_184 Start: 136420, Stop: 136848, Start Num: 5
Candidate Starts for Ellewin_184:
(Start: 5 @136420 has 12 MA's), (14, 136789),

Gene: Emmetator_188 Start: 136548, Stop: 136976, Start Num: 5
Candidate Starts for Emmetator_188:
(Start: 5 @136548 has 12 MA's), (14, 136917),

Gene: FloraSnap32_190 Start: 131778, Stop: 132206, Start Num: 5
Candidate Starts for FloraSnap32_190:
(1, 131739), (3, 131760), (Start: 5 @131778 has 12 MA's), (13, 132108), (18, 132192),

Gene: FrostedClock_194 Start: 132815, Stop: 133243, Start Num: 5
Candidate Starts for FrostedClock_194:
(1, 132776), (2, 132791), (3, 132797), (Start: 5 @132815 has 12 MA's), (13, 133145),

Gene: GoldenEssence_180 Start: 127156, Stop: 127584, Start Num: 5
Candidate Starts for GoldenEssence_180:
(1, 127117), (2, 127132), (3, 127138), (Start: 5 @127156 has 12 MA's), (13, 127486),

Gene: KSunshine22_189 Start: 135437, Stop: 135865, Start Num: 5
Candidate Starts for KSunshine22_189:
(Start: 5 @135437 has 12 MA's), (14, 135806),

Gene: Laure_194 Start: 121383, Stop: 121811, Start Num: 5
Candidate Starts for Laure_194:
(Start: 5 @121383 has 12 MA's), (6, 121458), (10, 121614), (11, 121647), (18, 121797),

Gene: LeoJr_195 Start: 132174, Stop: 132599, Start Num: 5
Candidate Starts for LeoJr_195:
(Start: 5 @132174 has 12 MA's), (16, 132558),

Gene: Mimi_192 Start: 132565, Stop: 132993, Start Num: 5
Candidate Starts for Mimi_192:
(1, 132526), (2, 132541), (3, 132547), (Start: 5 @132565 has 12 MA's), (13, 132895),

Gene: Panchaali_188 Start: 137916, Stop: 138344, Start Num: 5
Candidate Starts for Panchaali_188:
(Start: 5 @137916 has 12 MA's), (8, 138111), (9, 138132), (14, 138285),

Gene: Patbob_190 Start: 132952, Stop: 133380, Start Num: 5
Candidate Starts for Patbob_190:
(1, 132913), (2, 132928), (3, 132934), (Start: 5 @132952 has 12 MA's), (13, 133282),

Gene: Phrampa_185 Start: 132316, Stop: 132744, Start Num: 5
Candidate Starts for Phrampa_185:
(1, 132277), (3, 132298), (Start: 5 @132316 has 12 MA's), (13, 132646), (15, 132694), (18, 132730),

Gene: Racecar_193 Start: 132728, Stop: 133156, Start Num: 5
Candidate Starts for Racecar_193:
(1, 132689), (2, 132704), (3, 132710), (Start: 5 @132728 has 12 MA's), (13, 133058),

Gene: ReginaGlobina_199 Start: 133457, Stop: 133882, Start Num: 5
Candidate Starts for ReginaGlobina_199:
(Start: 5 @133457 has 12 MA's), (16, 133841),

Gene: Rockabye_195 Start: 127782, Stop: 128114, Start Num: 7
Candidate Starts for Rockabye_195:
(Start: 5 @127683 has 12 MA's), (7, 127782), (14, 128055),

Gene: SJReid_197 Start: 126517, Stop: 126945, Start Num: 5
Candidate Starts for SJReid_197:
(4, 126511), (Start: 5 @126517 has 12 MA's), (14, 126886), (17, 126919),

Gene: Stewart25555_188 Start: 134837, Stop: 135265, Start Num: 5
Candidate Starts for Stewart25555_188:
(Start: 5 @134837 has 12 MA's), (16, 135224),

Gene: Talia1610_193 Start: 133024, Stop: 133452, Start Num: 5
Candidate Starts for Talia1610_193:
(1, 132985), (2, 133000), (3, 133006), (Start: 5 @133024 has 12 MA's), (13, 133354),

Gene: WaddleDee_181 Start: 135615, Stop: 136043, Start Num: 5
Candidate Starts for WaddleDee_181:
(Start: 5 @135615 has 12 MA's), (14, 135984),