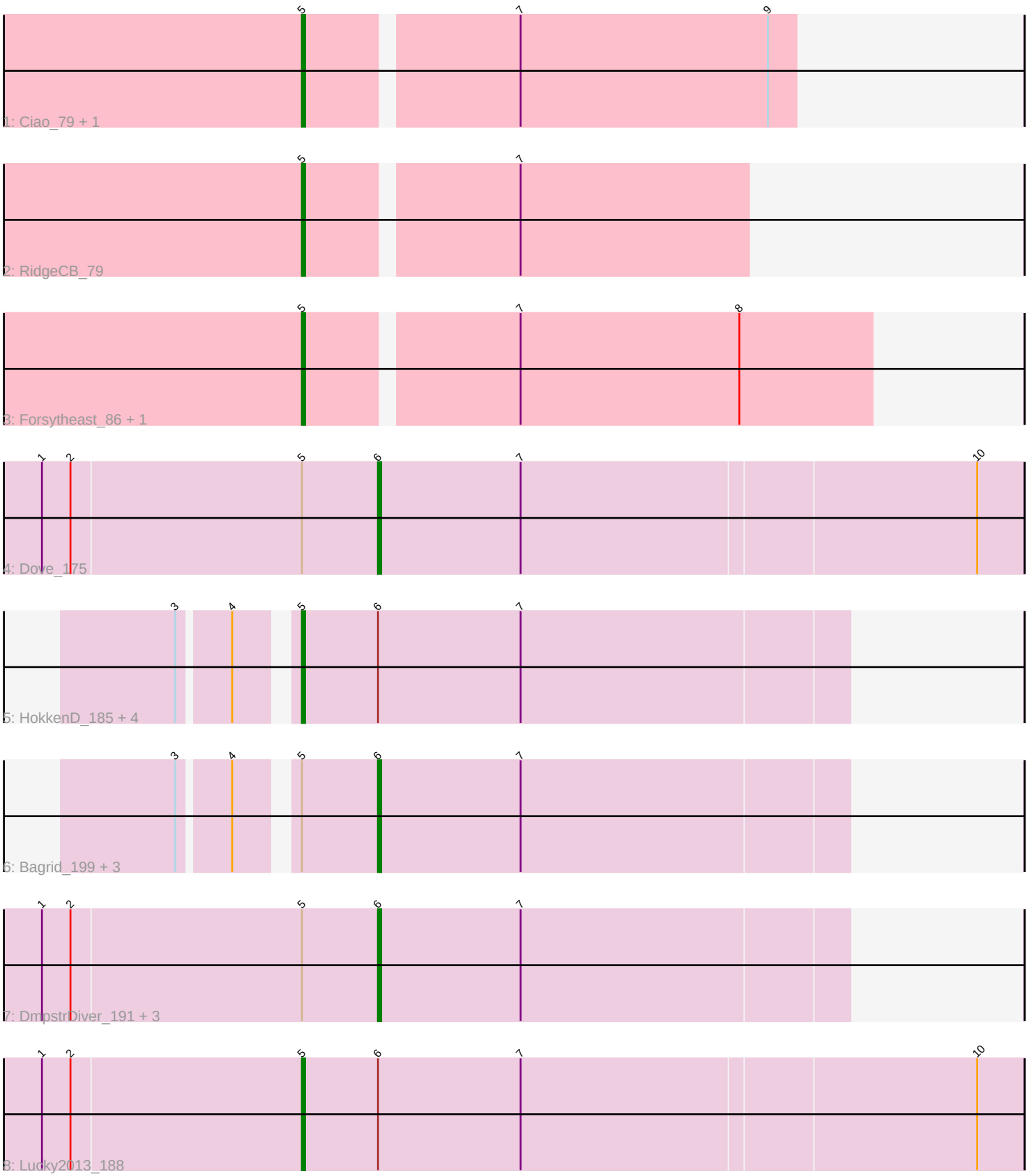
Pham 192915


5
7
9
1: Ciao_79 + 1
5
7
2: RidgeCB_79
5
7
8
3: Forsytheast_86 + 1
1
2
5
6
7
10
4: Dove_175
3
4
5
6
7
5: HokkenD_185 + 4
3
4
5
6
7
6: Bagrid_199 + 3
1
2
5
6
7
7: DmpstrDiver_191 + 3
1
2
5
6
7
10
8: Lucky2013_188

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 192915 Report

This analysis was run 11/02/24 on database version 579.

Pham number 192915 has 20 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Ciao_79, Pippin_83
• Track 2 : RidgeCB_79
• Track 3 : Forsytheast_86, MaryBeth_82
• Track 4 : Dove_175
• Track 5 : HokkenD_185, BAKA_198, Redno2_184, Schatzie_186, Wanda_189
• Track 6 : Bagrid_199, Hannaconda_184, Odette_194, NihilNomen_193
• Track 7 : DmpstrDiver_191, ThreeRngTarjay_190, Zelink_184, Hughesyang_189
• Track 8 : Lucky2013_188

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 11 of the 18 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BAKA_198, Ciao_79, Forsytheast_86, HokkenD_185, Lucky2013_188, MaryBeth_82, Pippin_83, Redno2_184, RidgeCB_79, Schatzie_186, Wanda_189,

Genes that have the "Most Annotated" start but do not call it:
• Bagrid_199, DmpstrDiver_191, Dove_175, Hannaconda_184, Hughesyang_189, NihilNomen_193, Odette_194, ThreeRngTarjay_190, Zelink_184,

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

Summary by start number:

Start 5:
• Found in 20 of 20 (100.0%) of genes in pham
• Manual Annotations of this start: 11 of 18
• Called 55.0% of time when present
• Phage (with cluster) where this start called: BAKA_198 (J), Ciao_79 (A1), Forsytheast_86 (A1), HokkenD_185 (J), Lucky2013_188 (J), MaryBeth_82 (A1), Pippin_83 (A1), Redno2_184 (J), RidgeCB_79 (A1), Schatzie_186 (J), Wanda_189

(J),

Start 6:
• Found in 15 of 20 (75.0%) of genes in pham
• Manual Annotations of this start: 7 of 18
• Called 60.0% of time when present
• Phage (with cluster) where this start called: Bagrid_199 (J), DmpstrDiver_191 (J), Dove_175 (J), Hannaconda_184 (J), Hughesyang_189 (J), NihilNomen_193 (J), Odette_194 (J), ThreeRngTarjay_190 (J), Zelink_184 (J),

Summary by clusters:

There are 2 clusters represented in this pham: A1, J,

Info for manual annotations of cluster A1:
•Start number 5 was manually annotated 5 times for cluster A1.

Info for manual annotations of cluster J:
•Start number 5 was manually annotated 6 times for cluster J.
•Start number 6 was manually annotated 7 times for cluster J.

Gene Information:

Gene: BAKA_198 Start: 98339, Stop: 98169, Start Num: 5
Candidate Starts for BAKA_198:
(3, 98369), (4, 98354), (Start: 5 @98339 has 11 MA's), (Start: 6 @98315 has 7 MA's), (7, 98270),

Gene: Bagrid_199 Start: 98620, Stop: 98474, Start Num: 6
Candidate Starts for Bagrid_199:
(3, 98674), (4, 98659), (Start: 5 @98644 has 11 MA's), (Start: 6 @98620 has 7 MA's), (7, 98575),

Gene: Ciao_79 Start: 46722, Stop: 46573, Start Num: 5
Candidate Starts for Ciao_79:
(Start: 5 @46722 has 11 MA's), (7, 46659), (9, 46581),

Gene: DmpstrDiver_191 Start: 95888, Stop: 95742, Start Num: 6
Candidate Starts for DmpstrDiver_191:
(1, 95993), (2, 95984), (Start: 5 @95912 has 11 MA's), (Start: 6 @95888 has 7 MA's), (7, 95843),

Gene: Dove_175 Start: 92303, Stop: 92103, Start Num: 6
Candidate Starts for Dove_175:
(1, 92408), (2, 92399), (Start: 5 @92327 has 11 MA's), (Start: 6 @92303 has 7 MA's), (7, 92258), (10, 92117),

Gene: Forsytheast_86 Start: 49143, Stop: 48970, Start Num: 5
Candidate Starts for Forsytheast_86:
(Start: 5 @49143 has 11 MA's), (7, 49080), (8, 49011),

Gene: Hannaconda_184 Start: 96282, Stop: 96136, Start Num: 6
Candidate Starts for Hannaconda_184:
(3, 96336), (4, 96321), (Start: 5 @96306 has 11 MA's), (Start: 6 @96282 has 7 MA's), (7, 96237),

Gene: HokkenD_185 Start: 97801, Stop: 97631, Start Num: 5
Candidate Starts for HokkenD_185:
(3, 97831), (4, 97816), (Start: 5 @97801 has 11 MA's), (Start: 6 @97777 has 7 MA's), (7, 97732),

Gene: Hughesyang_189 Start: 96717, Stop: 96565, Start Num: 6
Candidate Starts for Hughesyang_189:
(1, 96822), (2, 96813), (Start: 5 @96741 has 11 MA's), (Start: 6 @96717 has 7 MA's), (7, 96672),

Gene: Lucky2013_188 Start: 93220, Stop: 92996, Start Num: 5
Candidate Starts for Lucky2013_188:
(1, 93301), (2, 93292), (Start: 5 @93220 has 11 MA's), (Start: 6 @93196 has 7 MA's), (7, 93151), (10, 93010),

Gene: MaryBeth_82 Start: 48584, Stop: 48411, Start Num: 5
Candidate Starts for MaryBeth_82:
(Start: 5 @48584 has 11 MA's), (7, 48521), (8, 48452),

Gene: NihilNomen_193 Start: 95403, Stop: 95257, Start Num: 6
Candidate Starts for NihilNomen_193:
(3, 95457), (4, 95442), (Start: 5 @95427 has 11 MA's), (Start: 6 @95403 has 7 MA's), (7, 95358),

Gene: Odette_194 Start: 98472, Stop: 98326, Start Num: 6
Candidate Starts for Odette_194:
(3, 98526), (4, 98511), (Start: 5 @98496 has 11 MA's), (Start: 6 @98472 has 7 MA's), (7, 98427),

Gene: Pippin_83 Start: 48305, Stop: 48156, Start Num: 5
Candidate Starts for Pippin_83:
(Start: 5 @48305 has 11 MA's), (7, 48242), (9, 48164),

Gene: Redno2_184 Start: 93374, Stop: 93204, Start Num: 5
Candidate Starts for Redno2_184:
(3, 93404), (4, 93389), (Start: 5 @93374 has 11 MA's), (Start: 6 @93350 has 7 MA's), (7, 93305),

Gene: RidgeCB_79 Start: 46826, Stop: 46692, Start Num: 5
Candidate Starts for RidgeCB_79:
(Start: 5 @46826 has 11 MA's), (7, 46763),

Gene: Schatzie_186 Start: 96308, Stop: 96138, Start Num: 5
Candidate Starts for Schatzie_186:
(3, 96338), (4, 96323), (Start: 5 @96308 has 11 MA's), (Start: 6 @96284 has 7 MA's), (7, 96239),

Gene: ThreeRngTarjay_190 Start: 97822, Stop: 97676, Start Num: 6
Candidate Starts for ThreeRngTarjay_190:
(1, 97927), (2, 97918), (Start: 5 @97846 has 11 MA's), (Start: 6 @97822 has 7 MA's), (7, 97777),

Gene: Wanda_189 Start: 93879, Stop: 93709, Start Num: 5
Candidate Starts for Wanda_189:
(3, 93909), (4, 93894), (Start: 5 @93879 has 11 MA's), (Start: 6 @93855 has 7 MA's), (7, 93810),

Gene: Zelink_184 Start: 95473, Stop: 95321, Start Num: 6
Candidate Starts for Zelink_184:
(1, 95578), (2, 95569), (Start: 5 @95497 has 11 MA's), (Start: 6 @95473 has 7 MA's), (7, 95428),