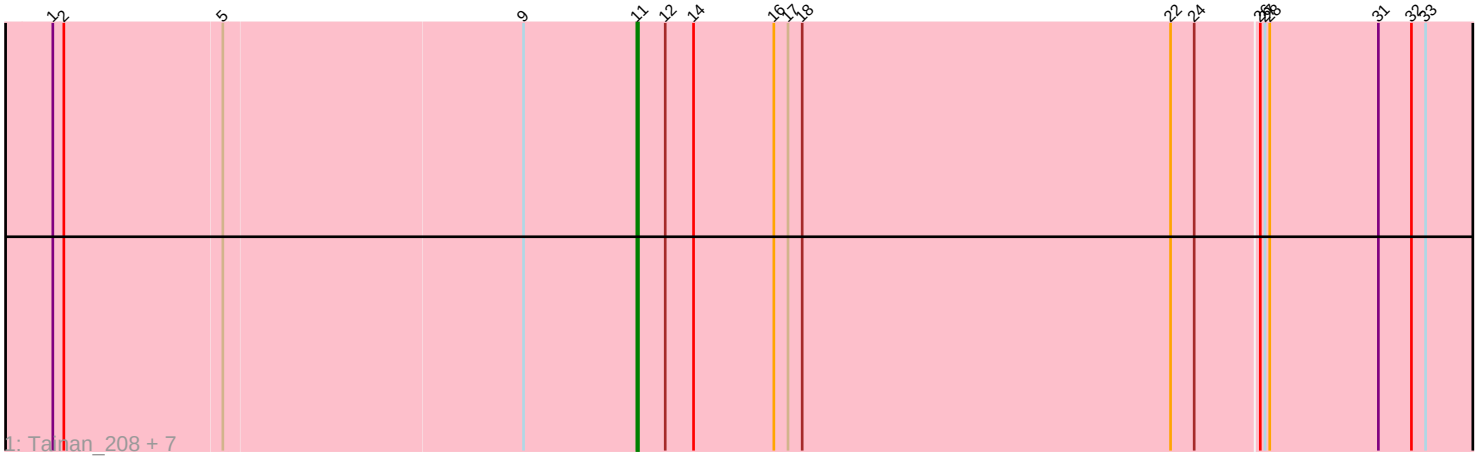
Pham 191587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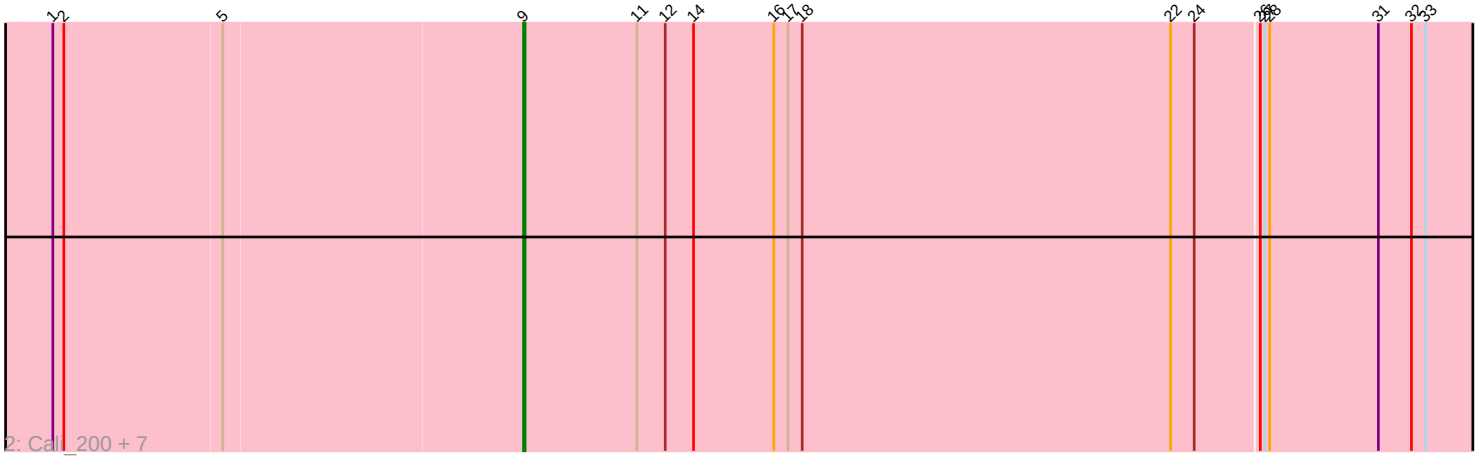
1: Tamian_208 + 7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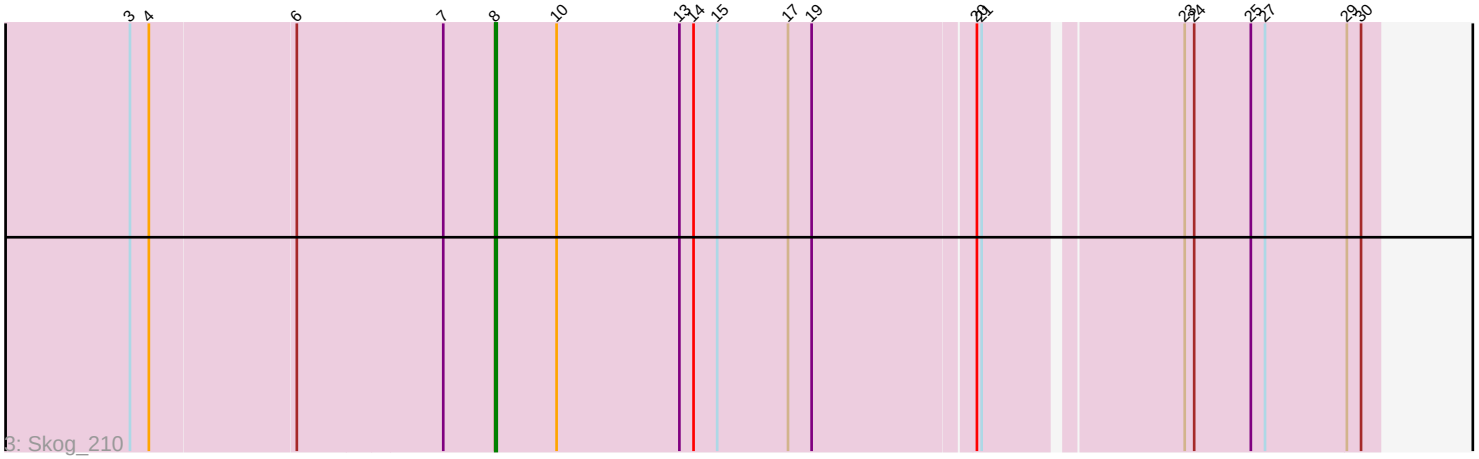
2: Cali_200 + 7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3: Skog_210

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 191587 Report

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

Pham number 191587 has 17 members, 4 are drafts.

Phages represented in each track:
• Track 1 : Tainan_208, Jaygup_203, ArcherS7_207, ET08_195, JulietS_200, LordLeafolot_209, Spec_202, Bangla1971_207
• Track 2 : Cali_200, DTDevon_209, Bxz1_197, JPickles_203, ScottMcG_200, Rizal_199, Catera_199, Spud_201
• Track 3 : Skog_210

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

The start number called the most often in the published annotations is 9, it was called in 8 of the 13 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Bxz1_197, Cali_200, Catera_199, DTDevon_209, JPickles_203, Rizal_199, ScottMcG_200, Spud_201,

Genes that have the "Most Annotated" start but do not call it:
• ArcherS7_207, Bangla1971_207, ET08_195, Jaygup_203, JulietS_200, LordLeafolot_209, Spec_202, Tainan_208,

Genes that do not have the "Most Annotated" start:
• Skog_210,

Summary by start number:

Start 8:
• Found in 1 of 17 (5.9%) of genes in pham
• Manual Annotations of this start: 1 of 13
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Skog_210 (DO),

Start 9:
• Found in 16 of 17 (94.1%) of genes in pham
• Manual Annotations of this start: 8 of 13
• Called 50.0% of time when present

• Phage (with cluster) where this start called: Bxz1_197 (C1), Cali_200 (C1), Catera_199 (C1), DTDevon_209 (C1), JPickles_203 (C1), Rizal_199 (C1), ScottMcG_200 (C1), Spud_201 (C1),

Start 11:
• Found in 16 of 17 (94.1%) of genes in pham
• Manual Annotations of this start: 4 of 13
• Called 50.0% of time when present
• Phage (with cluster) where this start called: ArcherS7_207 (C1), Bangla1971_207 (C1), ET08_195 (C1), Jaygup_203 (C1), JulietS_200 (C1), LordLeafolot_209 (C1), Spec_202 (C1), Tainan_208 (C1),

Summary by clusters:

There are 2 clusters represented in this pham: DO, C1,

Info for manual annotations of cluster C1:
•Start number 9 was manually annotated 8 times for cluster C1.
•Start number 11 was manually annotated 4 times for cluster C1.

Info for manual annotations of cluster DO:
•Start number 8 was manually annotated 1 time for cluster DO.

Gene Information:

Gene: ArcherS7_207 Start: 111644, Stop: 112174, Start Num: 11
Candidate Starts for ArcherS7_207:
(1, 111281), (2, 111287), (5, 111386), (Start: 9 @111572 has 8 MA's), (Start: 11 @111644 has 4 MA's), (12, 111662), (14, 111680), (16, 111731), (17, 111740), (18, 111749), (22, 111983), (24, 111998), (26, 112037), (27, 112040), (28, 112043), (31, 112112), (32, 112133), (33, 112142),

Gene: Bangla1971_207 Start: 110608, Stop: 111138, Start Num: 11
Candidate Starts for Bangla1971_207:
(1, 110245), (2, 110251), (5, 110350), (Start: 9 @110536 has 8 MA's), (Start: 11 @110608 has 4 MA's), (12, 110626), (14, 110644), (16, 110695), (17, 110704), (18, 110713), (22, 110947), (24, 110962), (26, 111001), (27, 111004), (28, 111007), (31, 111076), (32, 111097), (33, 111106),

Gene: Bxz1_197 Start: 113602, Stop: 114204, Start Num: 9
Candidate Starts for Bxz1_197:
(1, 113311), (2, 113317), (5, 113416), (Start: 9 @113602 has 8 MA's), (Start: 11 @113674 has 4 MA's), (12, 113692), (14, 113710), (16, 113761), (17, 113770), (18, 113779), (22, 114013), (24, 114028), (26, 114067), (27, 114070), (28, 114073), (31, 114142), (32, 114163), (33, 114172),

Gene: Cali_200 Start: 112009, Stop: 112611, Start Num: 9
Candidate Starts for Cali_200:
(1, 111718), (2, 111724), (5, 111823), (Start: 9 @112009 has 8 MA's), (Start: 11 @112081 has 4 MA's), (12, 112099), (14, 112117), (16, 112168), (17, 112177), (18, 112186), (22, 112420), (24, 112435), (26, 112474), (27, 112477), (28, 112480), (31, 112549), (32, 112570), (33, 112579),

Gene: Catera_199 Start: 109743, Stop: 110345, Start Num: 9
Candidate Starts for Catera_199:

(1, 109452), (2, 109458), (5, 109557), (Start: 9 @109743 has 8 MA's), (Start: 11 @109815 has 4 MA's), (12, 109833), (14, 109851), (16, 109902), (17, 109911), (18, 109920), (22, 110154), (24, 110169), (26, 110208), (27, 110211), (28, 110214), (31, 110283), (32, 110304), (33, 110313),

Gene: DTDevon_209 Start: 112568, Stop: 113170, Start Num: 9
Candidate Starts for DTDevon_209:
(1, 112277), (2, 112283), (5, 112382), (Start: 9 @112568 has 8 MA's), (Start: 11 @112640 has 4 MA's), (12, 112658), (14, 112676), (16, 112727), (17, 112736), (18, 112745), (22, 112979), (24, 112994), (26, 113033), (27, 113036), (28, 113039), (31, 113108), (32, 113129), (33, 113138),

Gene: ET08_195 Start: 110876, Stop: 111406, Start Num: 11
Candidate Starts for ET08_195:
(1, 110513), (2, 110519), (5, 110618), (Start: 9 @110804 has 8 MA's), (Start: 11 @110876 has 4 MA's), (12, 110894), (14, 110912), (16, 110963), (17, 110972), (18, 110981), (22, 111215), (24, 111230), (26, 111269), (27, 111272), (28, 111275), (31, 111344), (32, 111365), (33, 111374),

Gene: JPickles_203 Start: 109179, Stop: 109781, Start Num: 9
Candidate Starts for JPickles_203:
(1, 108888), (2, 108894), (5, 108993), (Start: 9 @109179 has 8 MA's), (Start: 11 @109251 has 4 MA's), (12, 109269), (14, 109287), (16, 109338), (17, 109347), (18, 109356), (22, 109590), (24, 109605), (26, 109644), (27, 109647), (28, 109650), (31, 109719), (32, 109740), (33, 109749),

Gene: Jaygup_203 Start: 110312, Stop: 110842, Start Num: 11
Candidate Starts for Jaygup_203:
(1, 109949), (2, 109955), (5, 110054), (Start: 9 @110240 has 8 MA's), (Start: 11 @110312 has 4 MA's), (12, 110330), (14, 110348), (16, 110399), (17, 110408), (18, 110417), (22, 110651), (24, 110666), (26, 110705), (27, 110708), (28, 110711), (31, 110780), (32, 110801), (33, 110810),

Gene: JulietS_200 Start: 108483, Stop: 109013, Start Num: 11
Candidate Starts for JulietS_200:
(1, 108120), (2, 108126), (5, 108225), (Start: 9 @108411 has 8 MA's), (Start: 11 @108483 has 4 MA's), (12, 108501), (14, 108519), (16, 108570), (17, 108579), (18, 108588), (22, 108822), (24, 108837), (26, 108876), (27, 108879), (28, 108882), (31, 108951), (32, 108972), (33, 108981),

Gene: LordLeafolot_209 Start: 112006, Stop: 112536, Start Num: 11
Candidate Starts for LordLeafolot_209:
(1, 111643), (2, 111649), (5, 111748), (Start: 9 @111934 has 8 MA's), (Start: 11 @112006 has 4 MA's), (12, 112024), (14, 112042), (16, 112093), (17, 112102), (18, 112111), (22, 112345), (24, 112360), (26, 112399), (27, 112402), (28, 112405), (31, 112474), (32, 112495), (33, 112504),

Gene: Rizal_199 Start: 109486, Stop: 110088, Start Num: 9
Candidate Starts for Rizal_199:
(1, 109195), (2, 109201), (5, 109300), (Start: 9 @109486 has 8 MA's), (Start: 11 @109558 has 4 MA's), (12, 109576), (14, 109594), (16, 109645), (17, 109654), (18, 109663), (22, 109897), (24, 109912), (26, 109951), (27, 109954), (28, 109957), (31, 110026), (32, 110047), (33, 110056),

Gene: ScottMcG_200 Start: 109992, Stop: 110594, Start Num: 9
Candidate Starts for ScottMcG_200:
(1, 109701), (2, 109707), (5, 109806), (Start: 9 @109992 has 8 MA's), (Start: 11 @110064 has 4 MA's), (12, 110082), (14, 110100), (16, 110151), (17, 110160), (18, 110169), (22, 110403), (24, 110418), (26, 110457), (27, 110460), (28, 110463), (31, 110532), (32, 110553), (33, 110562),

Gene: Skog_210 Start: 133881, Stop: 134423, Start Num: 8

Candidate Starts for Skog_210:
(3, 133656), (4, 133668), (6, 133758), (7, 133848), (Start: 8 @133881 has 1 MA's), (10, 133920), (13, 133998), (14, 134007), (15, 134022), (17, 134067), (19, 134082), (20, 134181), (21, 134184), (23, 134301), (24, 134307), (25, 134343), (27, 134352), (29, 134403), (30, 134412),

Gene: Spec_202 Start: 110597, Stop: 111127, Start Num: 11
Candidate Starts for Spec_202:
(1, 110234), (2, 110240), (5, 110339), (Start: 9 @110525 has 8 MA's), (Start: 11 @110597 has 4 MA's), (12, 110615), (14, 110633), (16, 110684), (17, 110693), (18, 110702), (22, 110936), (24, 110951), (26, 110990), (27, 110993), (28, 110996), (31, 111065), (32, 111086), (33, 111095),

Gene: Spud_201 Start: 110604, Stop: 111206, Start Num: 9
Candidate Starts for Spud_201:
(1, 110313), (2, 110319), (5, 110418), (Start: 9 @110604 has 8 MA's), (Start: 11 @110676 has 4 MA's), (12, 110694), (14, 110712), (16, 110763), (17, 110772), (18, 110781), (22, 111015), (24, 111030), (26, 111069), (27, 111072), (28, 111075), (31, 111144), (32, 111165), (33, 111174),

Gene: Tainan_208 Start: 111733, Stop: 112263, Start Num: 11
Candidate Starts for Tainan_208:
(1, 111370), (2, 111376), (5, 111475), (Start: 9 @111661 has 8 MA's), (Start: 11 @111733 has 4 MA's), (12, 111751), (14, 111769), (16, 111820), (17, 111829), (18, 111838), (22, 112072), (24, 112087), (26, 112126), (27, 112129), (28, 112132), (31, 112201), (32, 112222), (33, 112231),