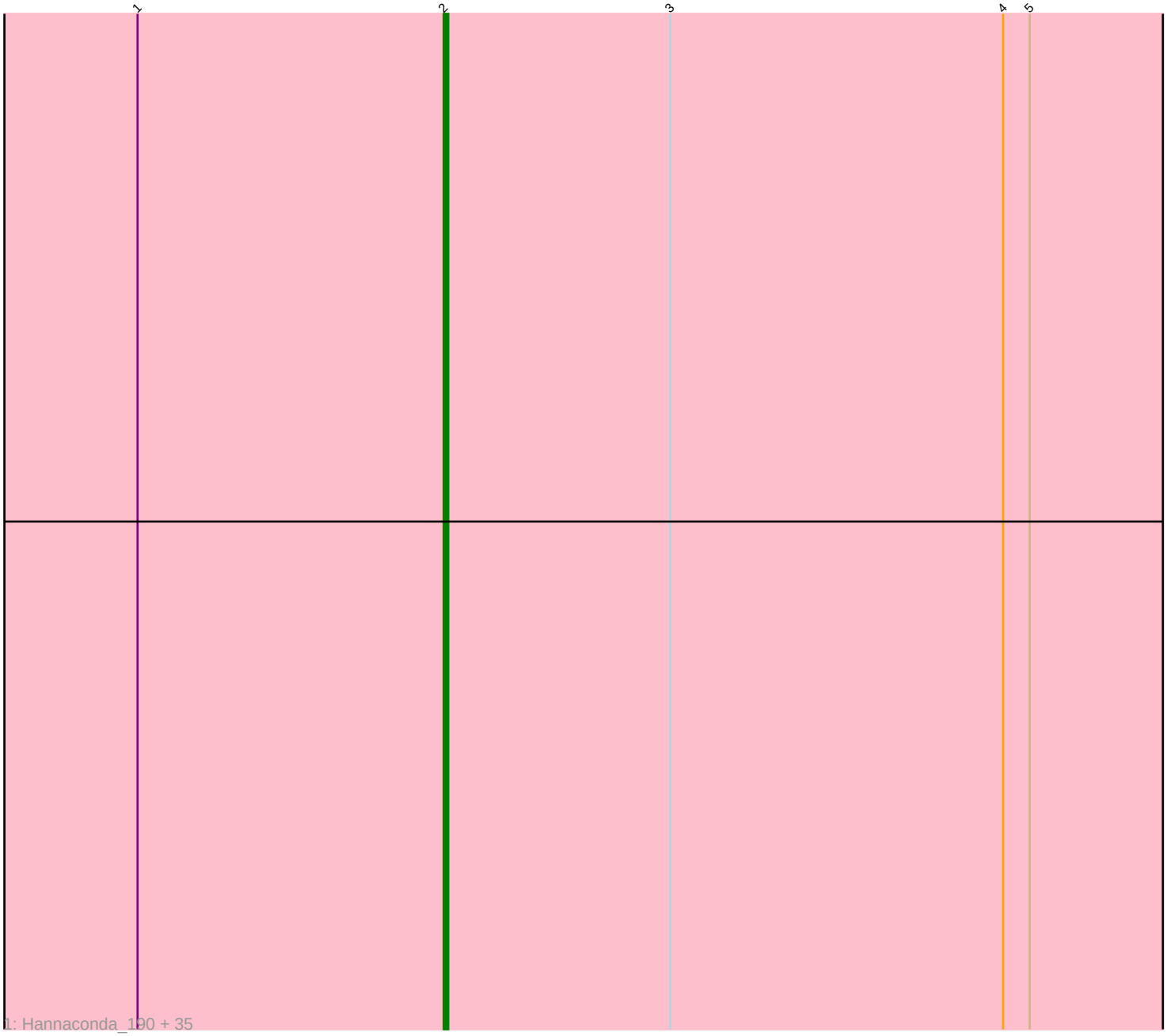
Pham 2596



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 2596 Report

This analysis was run 04/28/24 on database version 559.

Pham number 2596 has 36 members, 4 are drafts.

Phages represented in each track:
• Track 1 : Hannaconda_190, Courthouse_200, Bombitas_183, Wanda_195, Halley_198, MiaZeal_205, Phoebus_198, Hughesyang_196, Dallas_197, Ariel_204, HokkenD_191, Superphikiman_197, Bagrid_205, Minerva_198, BAKA_204, JuicyJay_192, EricMillard_194, Lucky2013_195, Ejimix_187, DmpstrDiver_197, Duke13_198, Squint_194, Zelink_191, NihilNomen_199, Gonephishing_193, Yeet_188, Pound_189, Redno2_190, ThreeRngTarjay_197, Beem_199, Dove_191, Klein_202, Schatzie_192, Porcelain_198, Kalah2_199, Odette_202

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 32 of the 32 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Ariel_204, BAKA_204, Bagrid_205, Beem_199, Bombitas_183, Courthouse_200, Dallas_197, DmpstrDiver_197, Dove_191, Duke13_198, Ejimix_187, EricMillard_194, Gonephishing_193, Halley_198, Hannaconda_190, HokkenD_191, Hughesyang_196, JuicyJay_192, Kalah2_199, Klein_202, Lucky2013_195, MiaZeal_205, Minerva_198, NihilNomen_199, Odette_202, Phoebus_198, Porcelain_198, Pound_189, Redno2_190, Schatzie_192, Squint_194, Superphikiman_197, ThreeRngTarjay_197, Wanda_195, Yeet_188, Zelink_191,

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 36 of 36 (100.0%) of genes in pham
• Manual Annotations of this start: 32 of 32
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Ariel_204 (J), BAKA_204 (J), Bagrid_205 (J), Beem_199 (J), Bombitas_183 (J), Courthouse_200 (J), Dallas_197 (J), DmpstrDiver_197 (J), Dove_191 (J), Duke13_198 (J), Ejimix_187 (J), EricMillard_194 (J), Gonephishing_193 (J), Halley_198 (J), Hannaconda_190 (J), HokkenD_191 (J), Hughesyang_196 (J), JuicyJay_192 (J), Kalah2_199 (J), Klein_202 (J), Lucky2013_195 (J), MiaZeal_205 (J), Minerva_198 (J), NihilNomen_199 (J), Odette_202 (J), Phoebus_198 (J), Porcelain_198 (J), Pound_189 (J), Redno2_190 (J), Schatzie_192 (J), Squint_194 (J), Superphikiman_197 (J), ThreeRngTarjay_197 (J), Wanda_195 (J), Yeet_188 (J), Zelink_191 (J),

Summary by clusters:

There is one cluster represented in this pham: J

Info for manual annotations of cluster J:
•Start number 2 was manually annotated 32 times for cluster J.

Gene Information:

Gene: Ariel_204 Start: 96190, Stop: 95987, Start Num: 2
Candidate Starts for Ariel_204:
(1, 96259), (Start: 2 @96190 has 32 MA's), (3, 96139), (4, 96064), (5, 96058),

Gene: BAKA_204 Start: 99645, Stop: 99442, Start Num: 2
Candidate Starts for BAKA_204:
(1, 99714), (Start: 2 @99645 has 32 MA's), (3, 99594), (4, 99519), (5, 99513),

Gene: Bagrid_205 Start: 99950, Stop: 99747, Start Num: 2
Candidate Starts for Bagrid_205:
(1, 100019), (Start: 2 @99950 has 32 MA's), (3, 99899), (4, 99824), (5, 99818),

Gene: Beem_199 Start: 98653, Stop: 98450, Start Num: 2
Candidate Starts for Beem_199:
(1, 98722), (Start: 2 @98653 has 32 MA's), (3, 98602), (4, 98527), (5, 98521),

Gene: Bombitas_183 Start: 95325, Stop: 95122, Start Num: 2
Candidate Starts for Bombitas_183:
(1, 95394), (Start: 2 @95325 has 32 MA's), (3, 95274), (4, 95199), (5, 95193),

Gene: Courthouse_200 Start: 96639, Stop: 96436, Start Num: 2
Candidate Starts for Courthouse_200:
(1, 96708), (Start: 2 @96639 has 32 MA's), (3, 96588), (4, 96513), (5, 96507),

Gene: Dallas_197 Start: 97673, Stop: 97470, Start Num: 2
Candidate Starts for Dallas_197:
(1, 97742), (Start: 2 @97673 has 32 MA's), (3, 97622), (4, 97547), (5, 97541),

Gene: DmpstrDiver_197 Start: 97518, Stop: 97315, Start Num: 2
Candidate Starts for DmpstrDiver_197:
(1, 97587), (Start: 2 @97518 has 32 MA's), (3, 97467), (4, 97392), (5, 97386),

Gene: Dove_191 Start: 93933, Stop: 93730, Start Num: 2
Candidate Starts for Dove_191:
(1, 94002), (Start: 2 @93933 has 32 MA's), (3, 93882), (4, 93807), (5, 93801),

Gene: Duke13_198 Start: 97942, Stop: 97739, Start Num: 2
Candidate Starts for Duke13_198:
(1, 98011), (Start: 2 @97942 has 32 MA's), (3, 97891), (4, 97816), (5, 97810),

Gene: Ejimix_187 Start: 96954, Stop: 96808, Start Num: 2
Candidate Starts for Ejimix_187:
(1, 97023), (Start: 2 @96954 has 32 MA's), (3, 96903), (4, 96885), (5, 96879),

Gene: EricMillard_194 Start: 98721, Stop: 98518, Start Num: 2
Candidate Starts for EricMillard_194:
(1, 98790), (Start: 2 @98721 has 32 MA's), (3, 98670), (4, 98595), (5, 98589),

Gene: Gonephishing_193 Start: 96361, Stop: 96158, Start Num: 2
Candidate Starts for Gonephishing_193:
(1, 96430), (Start: 2 @96361 has 32 MA's), (3, 96310), (4, 96235), (5, 96229),

Gene: Halley_198 Start: 97179, Stop: 96976, Start Num: 2
Candidate Starts for Halley_198:
(1, 97248), (Start: 2 @97179 has 32 MA's), (3, 97128), (4, 97053), (5, 97047),

Gene: Hannaconda_190 Start: 97612, Stop: 97409, Start Num: 2
Candidate Starts for Hannaconda_190:
(1, 97681), (Start: 2 @97612 has 32 MA's), (3, 97561), (4, 97486), (5, 97480),

Gene: HokkenD_191 Start: 99107, Stop: 98904, Start Num: 2
Candidate Starts for HokkenD_191:
(1, 99176), (Start: 2 @99107 has 32 MA's), (3, 99056), (4, 98981), (5, 98975),

Gene: Hughesyang_196 Start: 98230, Stop: 98084, Start Num: 2
Candidate Starts for Hughesyang_196:
(1, 98299), (Start: 2 @98230 has 32 MA's), (3, 98179), (4, 98161), (5, 98155),

Gene: JuicyJay_192 Start: 98605, Stop: 98402, Start Num: 2
Candidate Starts for JuicyJay_192:
(1, 98674), (Start: 2 @98605 has 32 MA's), (3, 98554), (4, 98479), (5, 98473),

Gene: Kalah2_199 Start: 99998, Stop: 99795, Start Num: 2
Candidate Starts for Kalah2_199:
(1, 100067), (Start: 2 @99998 has 32 MA's), (3, 99947), (4, 99872), (5, 99866),

Gene: Klein_202 Start: 97548, Stop: 97345, Start Num: 2
Candidate Starts for Klein_202:
(1, 97617), (Start: 2 @97548 has 32 MA's), (3, 97497), (4, 97422), (5, 97416),

Gene: Lucky2013_195 Start: 94826, Stop: 94623, Start Num: 2
Candidate Starts for Lucky2013_195:
(1, 94895), (Start: 2 @94826 has 32 MA's), (3, 94775), (4, 94700), (5, 94694),

Gene: MiaZeal_205 Start: 96856, Stop: 96653, Start Num: 2
Candidate Starts for MiaZeal_205:
(1, 96925), (Start: 2 @96856 has 32 MA's), (3, 96805), (4, 96730), (5, 96724),

Gene: Minerva_198 Start: 97172, Stop: 96969, Start Num: 2
Candidate Starts for Minerva_198:
(1, 97241), (Start: 2 @97172 has 32 MA's), (3, 97121), (4, 97046), (5, 97040),

Gene: NihilNomen_199 Start: 96733, Stop: 96530, Start Num: 2
Candidate Starts for NihilNomen_199:
(1, 96802), (Start: 2 @96733 has 32 MA's), (3, 96682), (4, 96607), (5, 96601),

Gene: Odette_202 Start: 99802, Stop: 99599, Start Num: 2
Candidate Starts for Odette_202:
(1, 99871), (Start: 2 @99802 has 32 MA's), (3, 99751), (4, 99676), (5, 99670),

Gene: Phoebus_198 Start: 100624, Stop: 100421, Start Num: 2
Candidate Starts for Phoebus_198:
(1, 100693), (Start: 2 @100624 has 32 MA's), (3, 100573), (4, 100498), (5, 100492),

Gene: Porcelain_198 Start: 95772, Stop: 95569, Start Num: 2
Candidate Starts for Porcelain_198:
(1, 95841), (Start: 2 @95772 has 32 MA's), (3, 95721), (4, 95646), (5, 95640),

Gene: Pound_189 Start: 96813, Stop: 96610, Start Num: 2
Candidate Starts for Pound_189:
(1, 96882), (Start: 2 @96813 has 32 MA's), (3, 96762), (4, 96687), (5, 96681),

Gene: Redno2_190 Start: 94680, Stop: 94477, Start Num: 2
Candidate Starts for Redno2_190:
(1, 94749), (Start: 2 @94680 has 32 MA's), (3, 94629), (4, 94554), (5, 94548),

Gene: Schatzie_192 Start: 97557, Stop: 97411, Start Num: 2
Candidate Starts for Schatzie_192:
(1, 97626), (Start: 2 @97557 has 32 MA's), (3, 97506), (4, 97488), (5, 97482),

Gene: Squint_194 Start: 95857, Stop: 95654, Start Num: 2
Candidate Starts for Squint_194:
(1, 95926), (Start: 2 @95857 has 32 MA's), (3, 95806), (4, 95731), (5, 95725),

Gene: Superphikiman_197 Start: 95724, Stop: 95521, Start Num: 2
Candidate Starts for Superphikiman_197:
(1, 95793), (Start: 2 @95724 has 32 MA's), (3, 95673), (4, 95598), (5, 95592),

Gene: ThreeRngTarjay_197 Start: 99395, Stop: 99249, Start Num: 2
Candidate Starts for ThreeRngTarjay_197:
(1, 99464), (Start: 2 @99395 has 32 MA's), (3, 99344), (4, 99326), (5, 99320),

Gene: Wanda_195 Start: 95185, Stop: 94982, Start Num: 2
Candidate Starts for Wanda_195:
(1, 95254), (Start: 2 @95185 has 32 MA's), (3, 95134), (4, 95059), (5, 95053),

Gene: Yeet_188 Start: 96321, Stop: 96118, Start Num: 2

Candidate Starts for Yeet_188:
(1, 96390), (Start: 2 @96321 has 32 MA's), (3, 96270), (4, 96195), (5, 96189),

Gene: Zelink_191 Start: 97103, Stop: 96900, Start Num: 2
Candidate Starts for Zelink_191:
(1, 97172), (Start: 2 @97103 has 32 MA's), (3, 97052), (4, 96977), (5, 96971),