Pham 85832

2
1: NootNoot_174 + 6
2
2: Cursive_176 + 16
2
3: Bmoc_180
2
4: LilMartin_174 + 2
2
5
5: Mildred21_185
3
6
6: Tomas_181
2
7: Spelly_190 + 17
2
6
8: Quaran19_187 + 1
4
9: Elmer_200 + 1
1
3
6
10: Stanimal_182 + 1
2
7
11: Mugiwara_193 + 1

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 85832 Report

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

Pham number 85832 has 56 members, 13 are drafts.

Phages represented in each track:
• Track 1 : NootNoot_174, PinkiePie_175, WhereRU_182, Persimmon_178, Warpy_181, Jay2Jay_183, Squillium_178
• Track 2 : Cursive_176, EGole_179, Lululemon_180, Peebs_175, Pepperwood_176, Watermoore_176, Tribute_175, Teutsch_176, Leo04_179, PacManQ_180, HangryHippo_180, Sushi23_178, BlueOtter_180, Cross_177, Larnav_186, Daubenski_171, Samisti12_179
• Track 3 : Bmoc_180
• Track 4 : LilMartin_174, Angela_176, MulchMansion_175
• Track 5 : Mildred21_185
• Track 6 : Tomas_181
• Track 7 : Spelly_190, Birchlyn_186, MindFlayer_181, Anedea_180, IchabodCrane_182, Bordeaux_186, Spilled_192, Starbow_185, Karimac_187, CeilingFan_196, SaltySpitoon_187, JimJam_193, Jollison_191, Gibbi_195, Wipeout_179, KentuckyRacer_196, Amabiko_190, TomSawyer_191
• Track 8 : Quaran19_187, PumpkinSpice_189
• Track 9 : Elmer_200, Wofford_186
• Track 10 : Stanimal_182, Sollertia_183
• Track 11 : Mugiwara_193, Battuta_187

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 39 of the 43 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Amabiko_190, Anedea_180, Angela_176, Battuta_187, Birchlyn_186, BlueOtter_180, Bmoc_180, Bordeaux_186, CeilingFan_196, Cross_177, Cursive_176, Daubenski_171, EGole_179, Gibbi_195, HangryHippo_180, IchabodCrane_182, Jay2Jay_183, JimJam_193, Jollison_191, Karimac_187, KentuckyRacer_196, Larnav_186, Leo04_179, LilMartin_174, Lululemon_180, Mildred21_185, MindFlayer_181, Mugiwara_193, MulchMansion_175, NootNoot_174, PacManQ_180, Peebs_175, Pepperwood_176, Persimmon_178, PinkiePie_175, PumpkinSpice_189, Quaran19_187, SaltySpitoon_187, Samisti12_179, Spelly_190, Spilled_192, Squillium_178, Starbow_185, Sushi23_178, Teutsch_176,

TomSawyer_191, Tribute_175, Warpy_181, Watermoore_176, WhereRU_182, Wipeout_179,

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

Genes that do not have the "Most Annotated" start:
• Elmer_200, Sollertia_183, Stanimal_182, Tomas_181, Wofford_186,

Summary by start number:

Start 2:
• Found in 51 of 56 (91.1%) of genes in pham
• Manual Annotations of this start: 39 of 43
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Amabiko_190 (BE2), Anedea_180 (BE1), Angela_176 (BE1), Battuta_187 (BE2), Birchlyn_186 (BE2), BlueOtter_180 (BE1), Bmoc_180 (BE1), Bordeaux_186 (BE2), CeilingFan_196 (BE2), Cross_177 (BE1), Cursive_176 (BE1), Daubenski_171 (BE1), EGole_179 (BE1), Gibbi_195 (BE2), HangryHippo_180 (BE1), IchabodCrane_182 (BE2), Jay2Jay_183 (BE1), JimJam_193 (BE2), Jollison_191 (BE2), Karimac_187 (BE2), KentuckyRacer_196 (BE2), Larnav_186 (BE1), Leo04_179 (BE1), LilMartin_174 (BE1), Lululemon_180 (BE1), Mildred21_185 (BE1), MindFlayer_181 (BE2), Mugiwara_193 (BE2), MulchMansion_175 (BE1), NootNoot_174 (BE1), PacManQ_180 (BE1), Peebs_175 (BE1), Pepperwood_176 (BE1), Persimmon_178 (BE1), PinkiePie_175 (BE1), PumpkinSpice_189 (BE2), Quaran19_187 (BE2), SaltySpitoon_187 (BE2), Samisti12_179 (BE1), Spelly_190 (BE2), Spilled_192 (BE2), Squillium_178 (BE1), Starbow_185 (BE2), Sushi23_178 (BE1), Teutsch_176 (BE1), TomSawyer_191 (BE2), Tribute_175 (BE1), Warpy_181 (BE1), Watermoore_176 (BE1), WhereRU_182 (BE1), Wipeout_179 (BE2),

Start 3:
• Found in 3 of 56 (5.4%) of genes in pham
• Manual Annotations of this start: 3 of 43
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Sollertia_183 (BE2), Stanimal_182 (BE2), Tomas_181 (BE2),

Start 4:
• Found in 2 of 56 (3.6%) of genes in pham
• Manual Annotations of this start: 1 of 43
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Elmer_200 (BE2), Wofford_186 (BE2),

Summary by clusters:

There are 2 clusters represented in this pham: BE2, BE1,

Info for manual annotations of cluster BE1:
•Start number 2 was manually annotated 23 times for cluster BE1.

Info for manual annotations of cluster BE2:
•Start number 2 was manually annotated 16 times for cluster BE2.

•Start number 3 was manually annotated 3 times for cluster BE2.
•Start number 4 was manually annotated 1 time for cluster BE2.

Gene Information:

Gene: Amabiko_190 Start: 95972, Stop: 96076, Start Num: 2
Candidate Starts for Amabiko_190:
(Start: 2 @95972 has 39 MA's),

Gene: Anedea_180 Start: 95190, Stop: 95294, Start Num: 2
Candidate Starts for Anedea_180:
(Start: 2 @95190 has 39 MA's),

Gene: Angela_176 Start: 94859, Stop: 94963, Start Num: 2
Candidate Starts for Angela_176:
(Start: 2 @94859 has 39 MA's),

Gene: Battuta_187 Start: 95754, Stop: 95852, Start Num: 2
Candidate Starts for Battuta_187:
(Start: 2 @95754 has 39 MA's), (7, 95820),

Gene: Birchlyn_186 Start: 93611, Stop: 93715, Start Num: 2
Candidate Starts for Birchlyn_186:
(Start: 2 @93611 has 39 MA's),

Gene: BlueOtter_180 Start: 95852, Stop: 95953, Start Num: 2
Candidate Starts for BlueOtter_180:
(Start: 2 @95852 has 39 MA's),

Gene: Bmoc_180 Start: 95520, Stop: 95618, Start Num: 2
Candidate Starts for Bmoc_180:
(Start: 2 @95520 has 39 MA's),

Gene: Bordeaux_186 Start: 96261, Stop: 96365, Start Num: 2
Candidate Starts for Bordeaux_186:
(Start: 2 @96261 has 39 MA's),

Gene: CeilingFan_196 Start: 96495, Stop: 96599, Start Num: 2
Candidate Starts for CeilingFan_196:
(Start: 2 @96495 has 39 MA's),

Gene: Cross_177 Start: 96497, Stop: 96598, Start Num: 2
Candidate Starts for Cross_177:
(Start: 2 @96497 has 39 MA's),

Gene: Cursive_176 Start: 94706, Stop: 94807, Start Num: 2
Candidate Starts for Cursive_176:
(Start: 2 @94706 has 39 MA's),

Gene: Daubenski_171 Start: 96403, Stop: 96504, Start Num: 2
Candidate Starts for Daubenski_171:

(Start: 2 @96403 has 39 MA's),

Gene: EGole_179 Start: 97514, Stop: 97615, Start Num: 2
Candidate Starts for EGole_179:
(Start: 2 @97514 has 39 MA's),

Gene: Elmer_200 Start: 99182, Stop: 99274, Start Num: 4
Candidate Starts for Elmer_200:
(Start: 4 @99182 has 1 MA's),

Gene: Gibbi_195 Start: 96549, Stop: 96653, Start Num: 2
Candidate Starts for Gibbi_195:
(Start: 2 @96549 has 39 MA's),

Gene: HangryHippo_180 Start: 95852, Stop: 95953, Start Num: 2
Candidate Starts for HangryHippo_180:
(Start: 2 @95852 has 39 MA's),

Gene: IchabodCrane_182 Start: 95673, Stop: 95777, Start Num: 2
Candidate Starts for IchabodCrane_182:
(Start: 2 @95673 has 39 MA's),

Gene: Jay2Jay_183 Start: 96711, Stop: 96815, Start Num: 2
Candidate Starts for Jay2Jay_183:
(Start: 2 @96711 has 39 MA's),

Gene: JimJam_193 Start: 97594, Stop: 97698, Start Num: 2
Candidate Starts for JimJam_193:
(Start: 2 @97594 has 39 MA's),

Gene: Jollison_191 Start: 96195, Stop: 96299, Start Num: 2
Candidate Starts for Jollison_191:
(Start: 2 @96195 has 39 MA's),

Gene: Karimac_187 Start: 96389, Stop: 96493, Start Num: 2
Candidate Starts for Karimac_187:
(Start: 2 @96389 has 39 MA's),

Gene: KentuckyRacer_196 Start: 97340, Stop: 97444, Start Num: 2
Candidate Starts for KentuckyRacer_196:
(Start: 2 @97340 has 39 MA's),

Gene: Larnav_186 Start: 96471, Stop: 96572, Start Num: 2
Candidate Starts for Larnav_186:
(Start: 2 @96471 has 39 MA's),

Gene: Leo04_179 Start: 96862, Stop: 96963, Start Num: 2
Candidate Starts for Leo04_179:
(Start: 2 @96862 has 39 MA's),

Gene: LilMartin_174 Start: 94478, Stop: 94582, Start Num: 2
Candidate Starts for LilMartin_174:
(Start: 2 @94478 has 39 MA's),

Gene: Lululemon_180 Start: 95233, Stop: 95334, Start Num: 2
Candidate Starts for Lululemon_180:
(Start: 2 @95233 has 39 MA's),

Gene: Mildred21_185 Start: 94742, Stop: 94846, Start Num: 2
Candidate Starts for Mildred21_185:
(Start: 2 @94742 has 39 MA's), (5, 94772),

Gene: MindFlayer_181 Start: 95580, Stop: 95684, Start Num: 2
Candidate Starts for MindFlayer_181:
(Start: 2 @95580 has 39 MA's),

Gene: Mugiwara_193 Start: 96976, Stop: 97077, Start Num: 2
Candidate Starts for Mugiwara_193:
(Start: 2 @96976 has 39 MA's), (7, 97042),

Gene: MulchMansion_175 Start: 95121, Stop: 95225, Start Num: 2
Candidate Starts for MulchMansion_175:
(Start: 2 @95121 has 39 MA's),

Gene: NootNoot_174 Start: 94435, Stop: 94539, Start Num: 2
Candidate Starts for NootNoot_174:
(Start: 2 @94435 has 39 MA's),

Gene: PacManQ_180 Start: 95233, Stop: 95334, Start Num: 2
Candidate Starts for PacManQ_180:
(Start: 2 @95233 has 39 MA's),

Gene: Peebs_175 Start: 96174, Stop: 96275, Start Num: 2
Candidate Starts for Peebs_175:
(Start: 2 @96174 has 39 MA's),

Gene: Pepperwood_176 Start: 96118, Stop: 96219, Start Num: 2
Candidate Starts for Pepperwood_176:
(Start: 2 @96118 has 39 MA's),

Gene: Persimmon_178 Start: 94607, Stop: 94705, Start Num: 2
Candidate Starts for Persimmon_178:
(Start: 2 @94607 has 39 MA's),

Gene: PinkiePie_175 Start: 95375, Stop: 95476, Start Num: 2
Candidate Starts for PinkiePie_175:
(Start: 2 @95375 has 39 MA's),

Gene: PumpkinSpice_189 Start: 96801, Stop: 96905, Start Num: 2
Candidate Starts for PumpkinSpice_189:
(Start: 2 @96801 has 39 MA's), (6, 96861),

Gene: Quaran19_187 Start: 96240, Stop: 96344, Start Num: 2
Candidate Starts for Quaran19_187:
(Start: 2 @96240 has 39 MA's), (6, 96300),

Gene: SaltySpitoon_187 Start: 95784, Stop: 95888, Start Num: 2
Candidate Starts for SaltySpitoon_187:
(Start: 2 @95784 has 39 MA's),

Gene: Samisti12_179 Start: 97558, Stop: 97659, Start Num: 2
Candidate Starts for Samisti12_179:
(Start: 2 @97558 has 39 MA's),

Gene: Sollertia_183 Start: 95759, Stop: 95860, Start Num: 3
Candidate Starts for Sollertia_183:
(1, 95708), (Start: 3 @95759 has 3 MA's), (6, 95816),

Gene: Spelly_190 Start: 95713, Stop: 95817, Start Num: 2
Candidate Starts for Spelly_190:
(Start: 2 @95713 has 39 MA's),

Gene: Spilled_192 Start: 96526, Stop: 96630, Start Num: 2
Candidate Starts for Spilled_192:
(Start: 2 @96526 has 39 MA's),

Gene: Squillium_178 Start: 95377, Stop: 95478, Start Num: 2
Candidate Starts for Squillium_178:
(Start: 2 @95377 has 39 MA's),

Gene: Stanimal_182 Start: 96120, Stop: 96221, Start Num: 3
Candidate Starts for Stanimal_182:
(1, 96069), (Start: 3 @96120 has 3 MA's), (6, 96177),

Gene: Starbow_185 Start: 95757, Stop: 95861, Start Num: 2
Candidate Starts for Starbow_185:
(Start: 2 @95757 has 39 MA's),

Gene: Sushi23_178 Start: 97224, Stop: 97325, Start Num: 2
Candidate Starts for Sushi23_178:
(Start: 2 @97224 has 39 MA's),

Gene: Teutsch_176 Start: 96656, Stop: 96757, Start Num: 2
Candidate Starts for Teutsch_176:
(Start: 2 @96656 has 39 MA's),

Gene: TomSawyer_191 Start: 97445, Stop: 97549, Start Num: 2
Candidate Starts for TomSawyer_191:
(Start: 2 @97445 has 39 MA's),

Gene: Tomas_181 Start: 96012, Stop: 96113, Start Num: 3
Candidate Starts for Tomas_181:
(Start: 3 @96012 has 3 MA's), (6, 96069),

Gene: Tribute_175 Start: 96673, Stop: 96774, Start Num: 2
Candidate Starts for Tribute_175:
(Start: 2 @96673 has 39 MA's),

Gene: Warpy_181 Start: 96190, Stop: 96294, Start Num: 2

Candidate Starts for Warpy_181:
(Start: 2 @96190 has 39 MA's),

Gene: Watermoore_176 Start: 97068, Stop: 97169, Start Num: 2
Candidate Starts for Watermoore_176:
(Start: 2 @97068 has 39 MA's),

Gene: WhereRU_182 Start: 95359, Stop: 95457, Start Num: 2
Candidate Starts for WhereRU_182:
(Start: 2 @95359 has 39 MA's),

Gene: Wipeout_179 Start: 96789, Stop: 96893, Start Num: 2
Candidate Starts for Wipeout_179:
(Start: 2 @96789 has 39 MA's),

Gene: Wofford_186 Start: 99141, Stop: 99233, Start Num: 4
Candidate Starts for Wofford_186:
(Start: 4 @99141 has 1 MA's),