Pham 3128

1: Teutsch_184 + 13
2: Daubenski_179
3: Cursive_186
4: PinkiePie_184 + 3
5: LilMartin_185 + 2
6: Braelyn_183 + 2
7: Paradiddles_178
8: Jay2Jay_191 + 1
9: Bmoc_189
10: EGole_189
11: Mildred21_194
12: Evy_178
13: Persimmon_187 + 2
14: Anedea_189

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 3128 Report

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

Pham number 3128 has 37 members, 8 are drafts.

Phages represented in each track:
• Track 1 : Teutsch_184, Samisti12_188, PacManQ_189, BlueOtter_189, HangryHippo_189, Watermoore_184, Pepperwood_185, Tribute_183, Leo04_187, Lululemon_188, Sushi23_186, Cross_185, Peebs_184, Larnav_195
• Track 2 : Daubenski_179
• Track 3 : Cursive_186
• Track 4 : PinkiePie_184, Bartholomune_184, Liandry_184, Squillium_187
• Track 5 : LilMartin_185, Angela_187, MulchMansion_188
• Track 6 : Braelyn_183, NootNoot_181, Navo_188
• Track 7 : Paradiddles_178
• Track 8 : Jay2Jay_191, Targaryen_185
• Track 9 : Bmoc_189
• Track 10 : EGole_189
• Track 11 : Mildred21_194
• Track 12 : Evy_178
• Track 13 : Persimmon_187, Warpy_189, WhereRU_191
• Track 14 : Anedea_189

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

The start number called the most often in the published annotations is 3, it was called in 29 of the 29 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Anedea_189, Angela_187, Bartholomune_184, BlueOtter_189, Bmoc_189, Braelyn_183, Cross_185, Cursive_186, Daubenski_179, EGole_189, Evy_178, HangryHippo_189, Jay2Jay_191, Larnav_195, Leo04_187, Liandry_184, LilMartin_185, Lululemon_188, Mildred21_194, MulchMansion_188, Navo_188, NootNoot_181, PacManQ_189, Paradiddles_178, Peebs_184, Pepperwood_185, Persimmon_187, PinkiePie_184, Samisti12_188, Squillium_187, Sushi23_186, Targaryen_185, Teutsch_184, Tribute_183, Warpy_189, Watermoore_184, WhereRU_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 3:
• Found in 37 of 37 (100.0%) of genes in pham
• Manual Annotations of this start: 29 of 29
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Anedea_189 (BE1), Angela_187 (BE1), Bartholomune_184 (BE1), BlueOtter_189 (BE1), Bmoc_189 (BE1), Braelyn_183 (BE1), Cross_185 (BE1), Cursive_186 (BE1), Daubenski_179 (BE1), EGole_189 (BE1), Evy_178 (BE1), HangryHippo_189 (BE1), Jay2Jay_191 (BE1), Larnav_195 (BE1), Leo04_187 (BE1), Liandry_184 (BE1), LilMartin_185 (BE1), Lululemon_188 (BE1), Mildred21_194 (BE1), MulchMansion_188 (BE1), Navo_188 (BE1), NootNoot_181 (BE1), PacManQ_189 (BE1), Paradiddles_178 (BE1), Peebs_184 (BE1), Pepperwood_185 (BE1), Persimmon_187 (BE1), PinkiePie_184 (BE1), Samisti12_188 (BE1), Squillium_187 (BE1), Sushi23_186 (BE1), Targaryen_185 (BE1), Teutsch_184 (BE1), Tribute_183 (BE1), Warpy_189 (BE1), Watermoore_184 (BE1), WhereRU_191 (BE1),

Summary by clusters:

There is one cluster represented in this pham: BE1

Info for manual annotations of cluster BE1:
•Start number 3 was manually annotated 29 times for cluster BE1.

Gene Information:

Gene: Anedea_189 Start: 97977, Stop: 98147, Start Num: 3
Candidate Starts for Anedea_189:
(Start: 3 @97977 has 29 MA's), (5, 98013), (6, 98031), (7, 98046), (13, 98118),

Gene: Angela_187 Start: 97961, Stop: 98134, Start Num: 3
Candidate Starts for Angela_187:
(Start: 3 @97961 has 29 MA's), (5, 97997), (6, 98015), (7, 98030),

Gene: Bartholomune_184 Start: 97233, Stop: 97403, Start Num: 3
Candidate Starts for Bartholomune_184:
(Start: 3 @97233 has 29 MA's), (5, 97269), (6, 97287), (7, 97302), (9, 97326), (13, 97374),

Gene: BlueOtter_189 Start: 98474, Stop: 98647, Start Num: 3
Candidate Starts for BlueOtter_189:
(Start: 3 @98474 has 29 MA's), (5, 98510), (6, 98528), (7, 98543), (14, 98630),

Gene: Bmoc_189 Start: 98477, Stop: 98683, Start Num: 3
Candidate Starts for Bmoc_189:
(Start: 3 @98477 has 29 MA's), (5, 98513), (6, 98531), (7, 98546),

Gene: Braelyn_183 Start: 97996, Stop: 98166, Start Num: 3
Candidate Starts for Braelyn_183:
(Start: 3 @97996 has 29 MA's), (5, 98032), (6, 98050), (7, 98065), (9, 98089), (13, 98137),

Gene: Cross_185 Start: 99119, Stop: 99292, Start Num: 3
Candidate Starts for Cross_185:
(Start: 3 @99119 has 29 MA's), (5, 99155), (6, 99173), (7, 99188), (14, 99275),

Gene: Cursive_186 Start: 98021, Stop: 98194, Start Num: 3
Candidate Starts for Cursive_186:
(1, 97997), (Start: 3 @98021 has 29 MA's), (5, 98057), (6, 98075), (7, 98090), (14, 98177),

Gene: Daubenski_179 Start: 98909, Stop: 99079, Start Num: 3
Candidate Starts for Daubenski_179:
(Start: 3 @98909 has 29 MA's), (5, 98945), (6, 98963), (7, 98978), (13, 99050),

Gene: EGole_189 Start: 100774, Stop: 100947, Start Num: 3
Candidate Starts for EGole_189:
(2, 100771), (Start: 3 @100774 has 29 MA's), (5, 100810), (6, 100828), (7, 100843), (10, 100870), (14, 100930),

Gene: Evy_178 Start: 98954, Stop: 99124, Start Num: 3
Candidate Starts for Evy_178:
(Start: 3 @98954 has 29 MA's), (5, 98990), (6, 99008), (7, 99023), (9, 99047), (12, 99071),

Gene: HangryHippo_189 Start: 98474, Stop: 98647, Start Num: 3
Candidate Starts for HangryHippo_189:
(Start: 3 @98474 has 29 MA's), (5, 98510), (6, 98528), (7, 98543), (14, 98630),

Gene: Jay2Jay_191 Start: 99456, Stop: 99626, Start Num: 3
Candidate Starts for Jay2Jay_191:
(Start: 3 @99456 has 29 MA's), (4, 99462), (5, 99492), (6, 99510), (7, 99525), (9, 99549), (12, 99573), (13, 99597),

Gene: Larnav_195 Start: 99094, Stop: 99267, Start Num: 3
Candidate Starts for Larnav_195:
(Start: 3 @99094 has 29 MA's), (5, 99130), (6, 99148), (7, 99163), (14, 99250),

Gene: Leo04_187 Start: 99485, Stop: 99658, Start Num: 3
Candidate Starts for Leo04_187:
(Start: 3 @99485 has 29 MA's), (5, 99521), (6, 99539), (7, 99554), (14, 99641),

Gene: Liandry_184 Start: 97976, Stop: 98146, Start Num: 3
Candidate Starts for Liandry_184:
(Start: 3 @97976 has 29 MA's), (5, 98012), (6, 98030), (7, 98045), (9, 98069), (13, 98117),

Gene: LilMartin_185 Start: 97580, Stop: 97753, Start Num: 3
Candidate Starts for LilMartin_185:
(Start: 3 @97580 has 29 MA's), (5, 97616), (6, 97634), (7, 97649),

Gene: Lululemon_188 Start: 97855, Stop: 98028, Start Num: 3
Candidate Starts for Lululemon_188:
(Start: 3 @97855 has 29 MA's), (5, 97891), (6, 97909), (7, 97924), (14, 98011),

Gene: Mildred21_194 Start: 97098, Stop: 97271, Start Num: 3
Candidate Starts for Mildred21_194:
(Start: 3 @97098 has 29 MA's), (5, 97134), (6, 97152), (7, 97167), (8, 97182), (11, 97197), (13, 97239),

Gene: MulchMansion_188 Start: 98960, Stop: 99133, Start Num: 3
Candidate Starts for MulchMansion_188:
(Start: 3 @98960 has 29 MA's), (5, 98996), (6, 99014), (7, 99029),

Gene: Navo_188 Start: 97377, Stop: 97547, Start Num: 3
Candidate Starts for Navo_188:
(Start: 3 @97377 has 29 MA's), (5, 97413), (6, 97431), (7, 97446), (9, 97470), (13, 97518),

Gene: NootNoot_181 Start: 96765, Stop: 96935, Start Num: 3
Candidate Starts for NootNoot_181:
(Start: 3 @96765 has 29 MA's), (5, 96801), (6, 96819), (7, 96834), (9, 96858), (13, 96906),

Gene: PacManQ_189 Start: 97855, Stop: 98028, Start Num: 3
Candidate Starts for PacManQ_189:
(Start: 3 @97855 has 29 MA's), (5, 97891), (6, 97909), (7, 97924), (14, 98011),

Gene: Paradiddles_178 Start: 99578, Stop: 99748, Start Num: 3
Candidate Starts for Paradiddles_178:
(Start: 3 @99578 has 29 MA's), (5, 99614), (6, 99632), (7, 99647), (9, 99671),

Gene: Peebs_184 Start: 98767, Stop: 98940, Start Num: 3
Candidate Starts for Peebs_184:
(Start: 3 @98767 has 29 MA's), (5, 98803), (6, 98821), (7, 98836), (14, 98923),

Gene: Pepperwood_185 Start: 98725, Stop: 98898, Start Num: 3
Candidate Starts for Pepperwood_185:
(Start: 3 @98725 has 29 MA's), (5, 98761), (6, 98779), (7, 98794), (14, 98881),

Gene: Persimmon_187 Start: 97572, Stop: 97742, Start Num: 3
Candidate Starts for Persimmon_187:
(Start: 3 @97572 has 29 MA's), (5, 97608), (6, 97626), (7, 97641), (9, 97665), (13, 97713),

Gene: PinkiePie_184 Start: 97976, Stop: 98146, Start Num: 3
Candidate Starts for PinkiePie_184:
(Start: 3 @97976 has 29 MA's), (5, 98012), (6, 98030), (7, 98045), (9, 98069), (13, 98117),

Gene: Samisti12_188 Start: 100181, Stop: 100354, Start Num: 3
Candidate Starts for Samisti12_188:
(Start: 3 @100181 has 29 MA's), (5, 100217), (6, 100235), (7, 100250), (14, 100337),

Gene: Squillium_187 Start: 97978, Stop: 98148, Start Num: 3
Candidate Starts for Squillium_187:
(Start: 3 @97978 has 29 MA's), (5, 98014), (6, 98032), (7, 98047), (9, 98071), (13, 98119),

Gene: Sushi23_186 Start: 99831, Stop: 100004, Start Num: 3
Candidate Starts for Sushi23_186:
(Start: 3 @99831 has 29 MA's), (5, 99867), (6, 99885), (7, 99900), (14, 99987),

Gene: Targaryen_185 Start: 99985, Stop: 100155, Start Num: 3
Candidate Starts for Targaryen_185:
(Start: 3 @99985 has 29 MA's), (4, 99991), (5, 100021), (6, 100039), (7, 100054), (9, 100078), (12, 100102), (13, 100126),

Gene: Teutsch_184 Start: 99279, Stop: 99452, Start Num: 3
Candidate Starts for Teutsch_184:
(Start: 3 @99279 has 29 MA's), (5, 99315), (6, 99333), (7, 99348), (14, 99435),

Gene: Tribute_183 Start: 99296, Stop: 99469, Start Num: 3
Candidate Starts for Tribute_183:
(Start: 3 @99296 has 29 MA's), (5, 99332), (6, 99350), (7, 99365), (14, 99452),

Gene: Warpy_189 Start: 98897, Stop: 99067, Start Num: 3
Candidate Starts for Warpy_189:
(Start: 3 @98897 has 29 MA's), (5, 98933), (6, 98951), (7, 98966), (9, 98990), (13, 99038),

Gene: Watermoore_184 Start: 99690, Stop: 99863, Start Num: 3
Candidate Starts for Watermoore_184:
(Start: 3 @99690 has 29 MA's), (5, 99726), (6, 99744), (7, 99759), (14, 99846),

Gene: WhereRU_191 Start: 98324, Stop: 98494, Start Num: 3
Candidate Starts for WhereRU_191:
(Start: 3 @98324 has 29 MA's), (5, 98360), (6, 98378), (7, 98393), (9, 98417), (13, 98465),