Pham 1828

1
5
6
1: Braelyn_15 + 19
1
5
6
7
2: LilMartin_268 + 3
1
5
6
3: Evy_16 + 37
1
5
6
4: Anedea_15 + 3
1
5
6
5: Jay2Jay_274 + 3
1
5
6
7
6: Mildred21_16 + 1
1
2
3
4
6
7: Daubenski_259 + 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 1828 Report

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

Pham number 1828 has 74 members, 16 are drafts.

Phages represented in each track:
• Track 1 : Braelyn_15, Paradiddles_15, NootNoot_15, WhereRU_16, Bartholomune_15, Persimmon_265, Liandry_15, WhereRU_272, Braelyn_260, Bartholomune_265, Squillium_15, Liandry_264, PinkiePie_265, PinkiePie_15, Navo_265, NootNoot_260, Squillium_267, Navo_15, Paradiddles_256, Persimmon_14
• Track 2 : LilMartin_268, MulchMansion_16, MulchMansion_272, LilMartin_16
• Track 3 : Evy_16, Cross_264, BlueOtter_270, Sushi23_267, PacManQ_268, Sushi23_17, Samisti12_15, Cursive_14, Leo04_267, Peebs_263, Teutsch_263, Lululemon_267, Tribute_262, EGole_16, Pepperwood_266, Evy_254, Leo04_16, Larnav_279, Pepperwood_17, Larnav_20, Angela_16, Cross_16, Tribute_16, HangryHippo_270, Teutsch_16, Samisti12_266, Angela_273, Targaryen_14, Lululemon_17, EGole_270, Cursive_268, Watermoore_16, PacManQ_17, HangryHippo_18, Targaryen_265, Watermoore_263, BlueOtter_18, Peebs_16
• Track 4 : Anedea_15, Bmoc_271, Anedea_277, Bmoc_15
• Track 5 : Jay2Jay_274, Warpy_19, Jay2Jay_19, Warpy_271
• Track 6 : Mildred21_16, Mildred21_279
• Track 7 : Daubenski_259, Daubenski_15

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

The start number called the most often in the published annotations is 1, it was called in 58 of the 58 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Anedea_15, Anedea_277, Angela_16, Angela_273, Bartholomune_15, Bartholomune_265, BlueOtter_18, BlueOtter_270, Bmoc_15, Bmoc_271, Braelyn_15, Braelyn_260, Cross_16, Cross_264, Cursive_14, Cursive_268, Daubenski_15, Daubenski_259, EGole_16, EGole_270, Evy_16, Evy_254, HangryHippo_18, HangryHippo_270, Jay2Jay_19, Jay2Jay_274, Larnav_20, Larnav_279, Leo04_16, Leo04_267, Liandry_15, Liandry_264, LilMartin_16, LilMartin_268, Lululemon_17, Lululemon_267, Mildred21_16, Mildred21_279, MulchMansion_16, MulchMansion_272, Navo_15, Navo_265, NootNoot_15, NootNoot_260, PacManQ_17, PacManQ_268, Paradiddles_15, Paradiddles_256, Peebs_16, Peebs_263, Pepperwood_17, Pepperwood_266, Persimmon_14, Persimmon_265,

PinkiePie_15, PinkiePie_265, Samisti12_15, Samisti12_266, Squillium_15, Squillium_267, Sushi23_17, Sushi23_267, Targaryen_14, Targaryen_265, Teutsch_16, Teutsch_263, Tribute_16, Tribute_262, Warpy_19, Warpy_271, Watermoore_16, Watermoore_263, WhereRU_16, WhereRU_272,

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 1:
• Found in 74 of 74 (100.0%) of genes in pham
• Manual Annotations of this start: 58 of 58
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Anedea_15 (BE1), Anedea_277 (BE1), Angela_16 (BE1), Angela_273 (BE1), Bartholomune_15 (BE1), Bartholomune_265 (BE1), BlueOtter_18 (BE1), BlueOtter_270 (BE1), Bmoc_15 (BE1), Bmoc_271 (BE1), Braelyn_15 (BE1), Braelyn_260 (BE1), Cross_16 (BE1), Cross_264 (BE1), Cursive_14 (BE1), Cursive_268 (BE1), Daubenski_15 (BE1), Daubenski_259 (BE1), EGole_16 (BE1), EGole_270 (BE1), Evy_16 (BE1), Evy_254 (BE1), HangryHippo_18 (BE1), HangryHippo_270 (BE1), Jay2Jay_19 (BE1), Jay2Jay_274 (BE1), Larnav_20 (BE1), Larnav_279 (BE1), Leo04_16 (BE1), Leo04_267 (BE1), Liandry_15 (BE1), Liandry_264 (BE1), LilMartin_16 (BE1), LilMartin_268 (BE1), Lululemon_17 (BE1), Lululemon_267 (BE1), Mildred21_16 (BE1), Mildred21_279 (BE1), MulchMansion_16 (BE1), MulchMansion_272 (BE1), Navo_15 (BE1), Navo_265 (BE1), NootNoot_15 (BE1), NootNoot_260 (BE1), PacManQ_17 (BE1), PacManQ_268 (BE1), Paradiddles_15 (BE1), Paradiddles_256 (BE1), Peebs_16 (BE1), Peebs_263 (BE1), Pepperwood_17 (BE1), Pepperwood_266 (BE1), Persimmon_14 (BE1), Persimmon_265 (BE1), PinkiePie_15 (BE1), PinkiePie_265 (BE1), Samisti12_15 (BE1), Samisti12_266 (BE1), Squillium_15 (BE1), Squillium_267 (BE1), Sushi23_17 (BE1), Sushi23_267 (BE1), Targaryen_14 (BE1), Targaryen_265 (BE1), Teutsch_16 (BE1), Teutsch_263 (BE1), Tribute_16 (BE1), Tribute_262 (BE1), Warpy_19 (BE1), Warpy_271 (BE1), Watermoore_16 (BE1), Watermoore_263 (BE1), WhereRU_16 (BE1), WhereRU_272 (BE1),

Summary by clusters:

There is one cluster represented in this pham: BE1

Info for manual annotations of cluster BE1:
•Start number 1 was manually annotated 58 times for cluster BE1.

Gene Information:

Gene: Anedea_15 Start: 7552, Stop: 7271, Start Num: 1
Candidate Starts for Anedea_15:
(Start: 1 @7552 has 58 MA's), (5, 7333), (6, 7312),

Gene: Anedea_277 Start: 130601, Stop: 130320, Start Num: 1
Candidate Starts for Anedea_277:
(Start: 1 @130601 has 58 MA's), (5, 130382), (6, 130361),

Gene: Angela_16 Start: 8289, Stop: 8005, Start Num: 1
Candidate Starts for Angela_16:
(Start: 1 @8289 has 58 MA's), (5, 8070), (6, 8049),

Gene: Angela_273 Start: 130692, Stop: 130408, Start Num: 1
Candidate Starts for Angela_273:
(Start: 1 @130692 has 58 MA's), (5, 130473), (6, 130452),

Gene: Bartholomune_15 Start: 7673, Stop: 7389, Start Num: 1
Candidate Starts for Bartholomune_15:
(Start: 1 @7673 has 58 MA's), (5, 7454), (6, 7433),

Gene: Bartholomune_265 Start: 128772, Stop: 128488, Start Num: 1
Candidate Starts for Bartholomune_265:
(Start: 1 @128772 has 58 MA's), (5, 128553), (6, 128532),

Gene: BlueOtter_270 Start: 129072, Stop: 128788, Start Num: 1
Candidate Starts for BlueOtter_270:
(Start: 1 @129072 has 58 MA's), (5, 128853), (6, 128832),

Gene: BlueOtter_18 Start: 7985, Stop: 7701, Start Num: 1
Candidate Starts for BlueOtter_18:
(Start: 1 @7985 has 58 MA's), (5, 7766), (6, 7745),

Gene: Bmoc_271 Start: 129964, Stop: 129683, Start Num: 1
Candidate Starts for Bmoc_271:
(Start: 1 @129964 has 58 MA's), (5, 129745), (6, 129724),

Gene: Bmoc_15 Start: 8142, Stop: 7861, Start Num: 1
Candidate Starts for Bmoc_15:
(Start: 1 @8142 has 58 MA's), (5, 7923), (6, 7902),

Gene: Braelyn_15 Start: 7716, Stop: 7432, Start Num: 1
Candidate Starts for Braelyn_15:
(Start: 1 @7716 has 58 MA's), (5, 7497), (6, 7476),

Gene: Braelyn_260 Start: 128126, Stop: 127842, Start Num: 1
Candidate Starts for Braelyn_260:
(Start: 1 @128126 has 58 MA's), (5, 127907), (6, 127886),

Gene: Cross_264 Start: 129718, Stop: 129434, Start Num: 1
Candidate Starts for Cross_264:
(Start: 1 @129718 has 58 MA's), (5, 129499), (6, 129478),

Gene: Cross_16 Start: 7986, Stop: 7702, Start Num: 1
Candidate Starts for Cross_16:
(Start: 1 @7986 has 58 MA's), (5, 7767), (6, 7746),

Gene: Cursive_14 Start: 6803, Stop: 6519, Start Num: 1

Candidate Starts for Cursive_14:
(Start: 1 @6803 has 58 MA's), (5, 6584), (6, 6563),

Gene: Cursive_268 Start: 128812, Stop: 128528, Start Num: 1
Candidate Starts for Cursive_268:
(Start: 1 @128812 has 58 MA's), (5, 128593), (6, 128572),

Gene: Daubenski_259 Start: 130066, Stop: 129782, Start Num: 1
Candidate Starts for Daubenski_259:
(Start: 1 @130066 has 58 MA's), (2, 129910), (3, 129904), (4, 129901), (6, 129823),

Gene: Daubenski_15 Start: 7690, Stop: 7406, Start Num: 1
Candidate Starts for Daubenski_15:
(Start: 1 @7690 has 58 MA's), (2, 7534), (3, 7528), (4, 7525), (6, 7447),

Gene: EGole_16 Start: 8406, Stop: 8122, Start Num: 1
Candidate Starts for EGole_16:
(Start: 1 @8406 has 58 MA's), (5, 8187), (6, 8166),

Gene: EGole_270 Start: 132718, Stop: 132434, Start Num: 1
Candidate Starts for EGole_270:
(Start: 1 @132718 has 58 MA's), (5, 132499), (6, 132478),

Gene: Evy_16 Start: 8162, Stop: 7878, Start Num: 1
Candidate Starts for Evy_16:
(Start: 1 @8162 has 58 MA's), (5, 7943), (6, 7922),

Gene: Evy_254 Start: 129891, Stop: 129607, Start Num: 1
Candidate Starts for Evy_254:
(Start: 1 @129891 has 58 MA's), (5, 129672), (6, 129651),

Gene: HangryHippo_270 Start: 129072, Stop: 128788, Start Num: 1
Candidate Starts for HangryHippo_270:
(Start: 1 @129072 has 58 MA's), (5, 128853), (6, 128832),

Gene: HangryHippo_18 Start: 7985, Stop: 7701, Start Num: 1
Candidate Starts for HangryHippo_18:
(Start: 1 @7985 has 58 MA's), (5, 7766), (6, 7745),

Gene: Jay2Jay_274 Start: 130444, Stop: 130166, Start Num: 1
Candidate Starts for Jay2Jay_274:
(Start: 1 @130444 has 58 MA's), (5, 130231), (6, 130210),

Gene: Jay2Jay_19 Start: 8351, Stop: 8073, Start Num: 1
Candidate Starts for Jay2Jay_19:
(Start: 1 @8351 has 58 MA's), (5, 8138), (6, 8117),

Gene: Larnav_279 Start: 129990, Stop: 129706, Start Num: 1
Candidate Starts for Larnav_279:
(Start: 1 @129990 has 58 MA's), (5, 129771), (6, 129750),

Gene: Larnav_20 Start: 7985, Stop: 7701, Start Num: 1
Candidate Starts for Larnav_20:

(Start: 1 @7985 has 58 MA's), (5, 7766), (6, 7745),

Gene: Leo04_267 Start: 130102, Stop: 129818, Start Num: 1
Candidate Starts for Leo04_267:
(Start: 1 @130102 has 58 MA's), (5, 129883), (6, 129862),

Gene: Leo04_16 Start: 7984, Stop: 7700, Start Num: 1
Candidate Starts for Leo04_16:
(Start: 1 @7984 has 58 MA's), (5, 7765), (6, 7744),

Gene: Liandry_15 Start: 7672, Stop: 7388, Start Num: 1
Candidate Starts for Liandry_15:
(Start: 1 @7672 has 58 MA's), (5, 7453), (6, 7432),

Gene: Liandry_264 Start: 129193, Stop: 128909, Start Num: 1
Candidate Starts for Liandry_264:
(Start: 1 @129193 has 58 MA's), (5, 128974), (6, 128953),

Gene: LilMartin_268 Start: 129636, Stop: 129352, Start Num: 1
Candidate Starts for LilMartin_268:
(Start: 1 @129636 has 58 MA's), (5, 129417), (6, 129396), (7, 129363),

Gene: LilMartin_16 Start: 8292, Stop: 8008, Start Num: 1
Candidate Starts for LilMartin_16:
(Start: 1 @8292 has 58 MA's), (5, 8073), (6, 8052), (7, 8019),

Gene: Lululemon_267 Start: 128257, Stop: 127973, Start Num: 1
Candidate Starts for Lululemon_267:
(Start: 1 @128257 has 58 MA's), (5, 128038), (6, 128017),

Gene: Lululemon_17 Start: 7365, Stop: 7081, Start Num: 1
Candidate Starts for Lululemon_17:
(Start: 1 @7365 has 58 MA's), (5, 7146), (6, 7125),

Gene: Mildred21_16 Start: 7878, Stop: 7594, Start Num: 1
Candidate Starts for Mildred21_16:
(Start: 1 @7878 has 58 MA's), (5, 7659), (6, 7638), (7, 7605),

Gene: Mildred21_279 Start: 129036, Stop: 128752, Start Num: 1
Candidate Starts for Mildred21_279:
(Start: 1 @129036 has 58 MA's), (5, 128817), (6, 128796), (7, 128763),

Gene: MulchMansion_16 Start: 8292, Stop: 8008, Start Num: 1
Candidate Starts for MulchMansion_16:
(Start: 1 @8292 has 58 MA's), (5, 8073), (6, 8052), (7, 8019),

Gene: MulchMansion_272 Start: 131270, Stop: 130986, Start Num: 1
Candidate Starts for MulchMansion_272:
(Start: 1 @131270 has 58 MA's), (5, 131051), (6, 131030), (7, 130997),

Gene: Navo_265 Start: 127096, Stop: 126812, Start Num: 1
Candidate Starts for Navo_265:
(Start: 1 @127096 has 58 MA's), (5, 126877), (6, 126856),

Gene: Navo_15 Start: 7471, Stop: 7187, Start Num: 1
Candidate Starts for Navo_15:
(Start: 1 @7471 has 58 MA's), (5, 7252), (6, 7231),

Gene: NootNoot_15 Start: 7683, Stop: 7399, Start Num: 1
Candidate Starts for NootNoot_15:
(Start: 1 @7683 has 58 MA's), (5, 7464), (6, 7443),

Gene: NootNoot_260 Start: 127982, Stop: 127698, Start Num: 1
Candidate Starts for NootNoot_260:
(Start: 1 @127982 has 58 MA's), (5, 127763), (6, 127742),

Gene: PacManQ_268 Start: 128257, Stop: 127973, Start Num: 1
Candidate Starts for PacManQ_268:
(Start: 1 @128257 has 58 MA's), (5, 128038), (6, 128017),

Gene: PacManQ_17 Start: 7365, Stop: 7081, Start Num: 1
Candidate Starts for PacManQ_17:
(Start: 1 @7365 has 58 MA's), (5, 7146), (6, 7125),

Gene: Paradiddles_15 Start: 7673, Stop: 7389, Start Num: 1
Candidate Starts for Paradiddles_15:
(Start: 1 @7673 has 58 MA's), (5, 7454), (6, 7433),

Gene: Paradiddles_256 Start: 130381, Stop: 130097, Start Num: 1
Candidate Starts for Paradiddles_256:
(Start: 1 @130381 has 58 MA's), (5, 130162), (6, 130141),

Gene: Peebs_263 Start: 129959, Stop: 129675, Start Num: 1
Candidate Starts for Peebs_263:
(Start: 1 @129959 has 58 MA's), (5, 129740), (6, 129719),

Gene: Peebs_16 Start: 7984, Stop: 7700, Start Num: 1
Candidate Starts for Peebs_16:
(Start: 1 @7984 has 58 MA's), (5, 7765), (6, 7744),

Gene: Pepperwood_266 Start: 129924, Stop: 129640, Start Num: 1
Candidate Starts for Pepperwood_266:
(Start: 1 @129924 has 58 MA's), (5, 129705), (6, 129684),

Gene: Pepperwood_17 Start: 8139, Stop: 7855, Start Num: 1
Candidate Starts for Pepperwood_17:
(Start: 1 @8139 has 58 MA's), (5, 7920), (6, 7899),

Gene: Persimmon_265 Start: 128313, Stop: 128029, Start Num: 1
Candidate Starts for Persimmon_265:
(Start: 1 @128313 has 58 MA's), (5, 128094), (6, 128073),

Gene: Persimmon_14 Start: 7502, Stop: 7218, Start Num: 1
Candidate Starts for Persimmon_14:
(Start: 1 @7502 has 58 MA's), (5, 7283), (6, 7262),

Gene: PinkiePie_265 Start: 129194, Stop: 128910, Start Num: 1
Candidate Starts for PinkiePie_265:
(Start: 1 @129194 has 58 MA's), (5, 128975), (6, 128954),

Gene: PinkiePie_15 Start: 7673, Stop: 7389, Start Num: 1
Candidate Starts for PinkiePie_15:
(Start: 1 @7673 has 58 MA's), (5, 7454), (6, 7433),

Gene: Samisti12_15 Start: 7985, Stop: 7701, Start Num: 1
Candidate Starts for Samisti12_15:
(Start: 1 @7985 has 58 MA's), (5, 7766), (6, 7745),

Gene: Samisti12_266 Start: 131029, Stop: 130745, Start Num: 1
Candidate Starts for Samisti12_266:
(Start: 1 @131029 has 58 MA's), (5, 130810), (6, 130789),

Gene: Squillium_15 Start: 7673, Stop: 7389, Start Num: 1
Candidate Starts for Squillium_15:
(Start: 1 @7673 has 58 MA's), (5, 7454), (6, 7433),

Gene: Squillium_267 Start: 129197, Stop: 128913, Start Num: 1
Candidate Starts for Squillium_267:
(Start: 1 @129197 has 58 MA's), (5, 128978), (6, 128957),

Gene: Sushi23_267 Start: 130828, Stop: 130544, Start Num: 1
Candidate Starts for Sushi23_267:
(Start: 1 @130828 has 58 MA's), (5, 130609), (6, 130588),

Gene: Sushi23_17 Start: 7985, Stop: 7701, Start Num: 1
Candidate Starts for Sushi23_17:
(Start: 1 @7985 has 58 MA's), (5, 7766), (6, 7745),

Gene: Targaryen_14 Start: 8158, Stop: 7874, Start Num: 1
Candidate Starts for Targaryen_14:
(Start: 1 @8158 has 58 MA's), (5, 7939), (6, 7918),

Gene: Targaryen_265 Start: 131834, Stop: 131550, Start Num: 1
Candidate Starts for Targaryen_265:
(Start: 1 @131834 has 58 MA's), (5, 131615), (6, 131594),

Gene: Teutsch_263 Start: 130195, Stop: 129911, Start Num: 1
Candidate Starts for Teutsch_263:
(Start: 1 @130195 has 58 MA's), (5, 129976), (6, 129955),

Gene: Teutsch_16 Start: 7986, Stop: 7702, Start Num: 1
Candidate Starts for Teutsch_16:
(Start: 1 @7986 has 58 MA's), (5, 7767), (6, 7746),

Gene: Tribute_262 Start: 130529, Stop: 130245, Start Num: 1
Candidate Starts for Tribute_262:
(Start: 1 @130529 has 58 MA's), (5, 130310), (6, 130289),

Gene: Tribute_16 Start: 7985, Stop: 7701, Start Num: 1

Candidate Starts for Tribute_16:
(Start: 1 @7985 has 58 MA's), (5, 7766), (6, 7745),

Gene: Warpy_19 Start: 8372, Stop: 8094, Start Num: 1
Candidate Starts for Warpy_19:
(Start: 1 @8372 has 58 MA's), (5, 8159), (6, 8138),

Gene: Warpy_271 Start: 129910, Stop: 129632, Start Num: 1
Candidate Starts for Warpy_271:
(Start: 1 @129910 has 58 MA's), (5, 129697), (6, 129676),

Gene: Watermoore_16 Start: 7986, Stop: 7702, Start Num: 1
Candidate Starts for Watermoore_16:
(Start: 1 @7986 has 58 MA's), (5, 7767), (6, 7746),

Gene: Watermoore_263 Start: 130582, Stop: 130298, Start Num: 1
Candidate Starts for Watermoore_263:
(Start: 1 @130582 has 58 MA's), (5, 130363), (6, 130342),

Gene: WhereRU_16 Start: 7502, Stop: 7218, Start Num: 1
Candidate Starts for WhereRU_16:
(Start: 1 @7502 has 58 MA's), (5, 7283), (6, 7262),

Gene: WhereRU_272 Start: 128647, Stop: 128363, Start Num: 1
Candidate Starts for WhereRU_272:
(Start: 1 @128647 has 58 MA's), (5, 128428), (6, 128407),