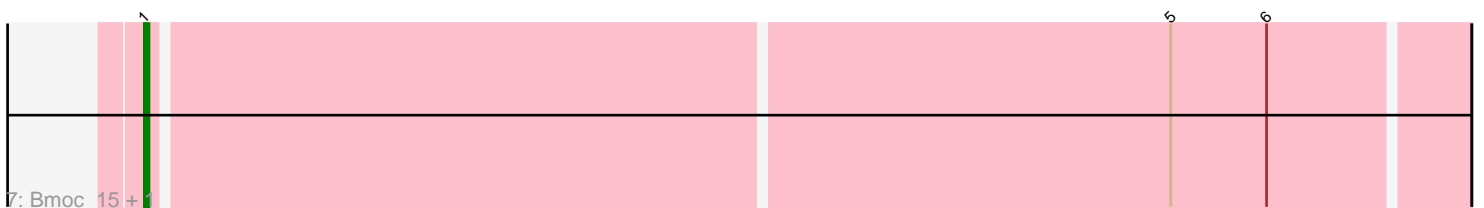
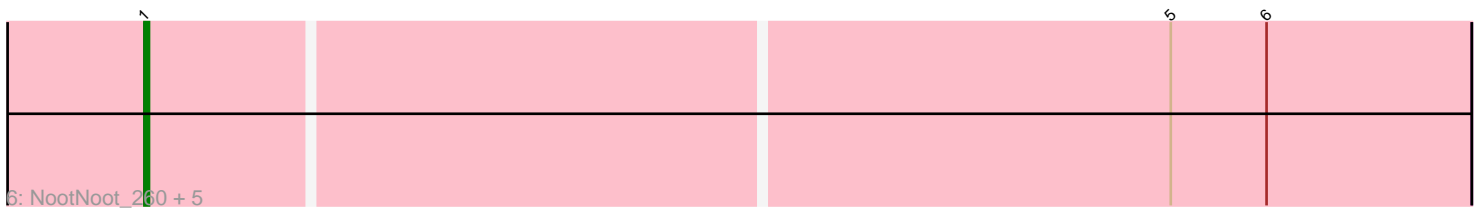
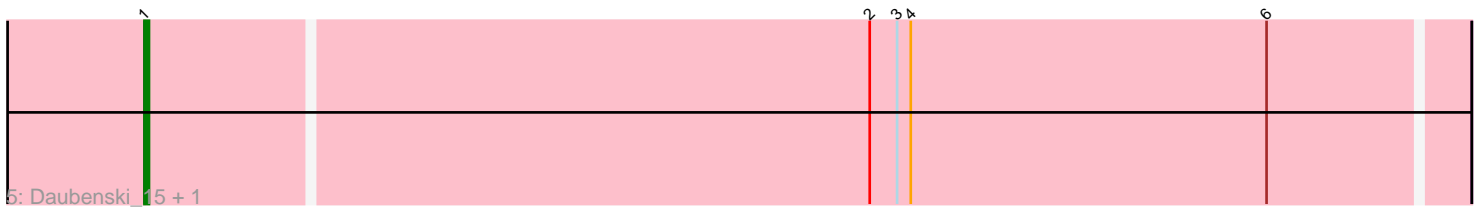
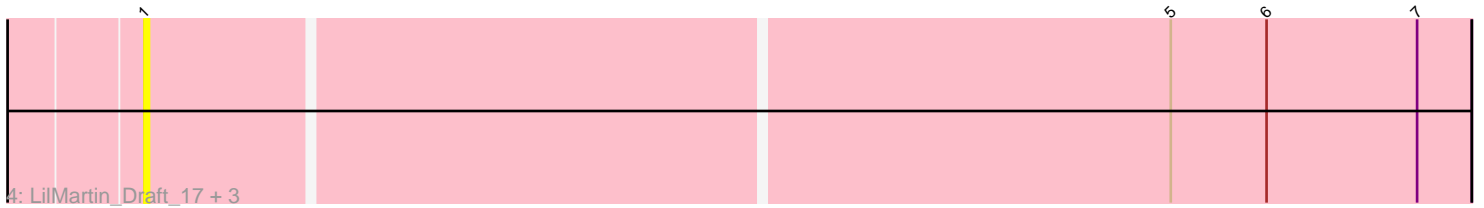
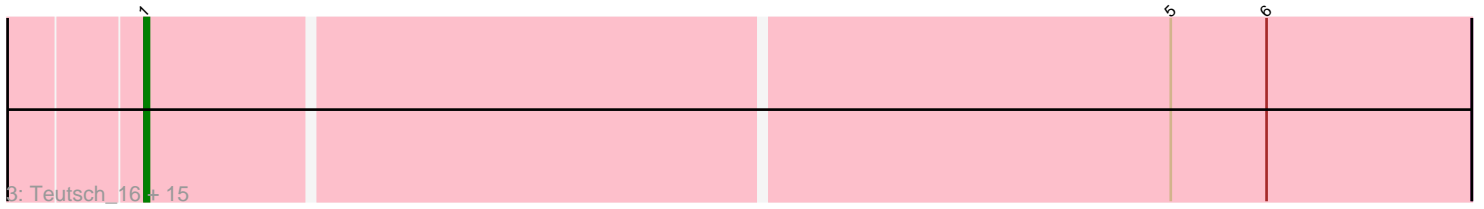
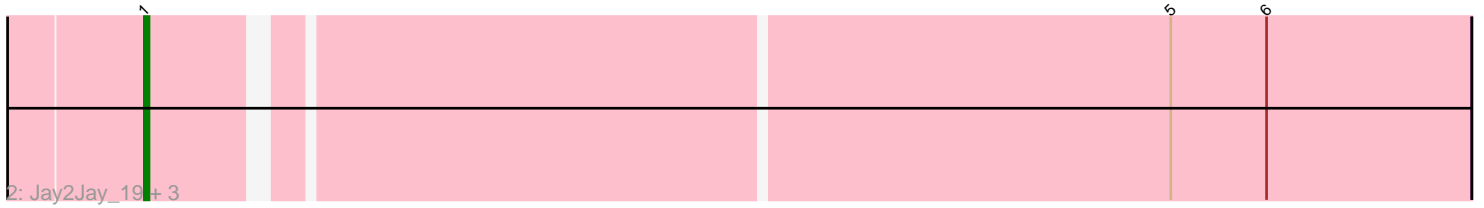
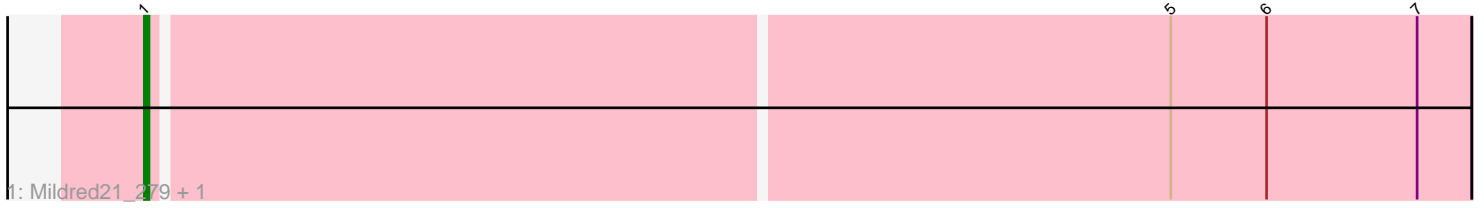


Pham 21962



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 21962 Report

This analysis was run 03/09/20 on database version 345.

Pham number 21962 has 36 members, 6 are drafts.

Phages represented in each track:

- Track 1 : Mildred21_279, Mildred21_16
- Track 2 : Jay2Jay_19, Warpy_271, Jay2Jay_274, Warpy_19
- Track 3 : Teutsch_16, Cross_Draft_16, Samisti12_15, Teutsch_263, EGole_270, Tribute_262, EGole_16, Sushi23_17, Evy_16, Cross_Draft_265, Samisti12_266, Sushi23_267, Tribute_16, Peebs_263, Peebs_16, Evy_254
- Track 4 : LilMartin_Draft_17, MulchMansion_Draft_279, LilMartin_Draft_271, MulchMansion_Draft_17
- Track 5 : Daubenski_15, Daubenski_259
- Track 6 : NootNoot_260, Braelyn_260, Paradiddles_256, NootNoot_15, Braelyn_15, Paradiddles_15
- Track 7 : Bmoc_15, Bmoc_271

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 30 of the 30 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Bmoc_15, Bmoc_271, Braelyn_15, Braelyn_260, Cross_Draft_16, Cross_Draft_265, Daubenski_15, Daubenski_259, EGole_16, EGole_270, Evy_16, Evy_254, Jay2Jay_19, Jay2Jay_274, LilMartin_Draft_17, LilMartin_Draft_271, Mildred21_16, Mildred21_279, MulchMansion_Draft_17, MulchMansion_Draft_279, NootNoot_15, NootNoot_260, Paradiddles_15, Paradiddles_256, Peebs_16, Peebs_263, Samisti12_15, Samisti12_266, Sushi23_17, Sushi23_267, Teutsch_16, Teutsch_263, Tribute_16, Tribute_262, Warpy_19, Warpy_271,

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 36 of 36 (100.0%) of genes in pham
- Manual Annotations of this start: 30 of 30
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Bmoc_15 (BE1), Bmoc_271 (BE1), Braelyn_15 (BE1), Braelyn_260 (BE1), Cross_Draft_16 (BE1), Cross_Draft_265 (BE1), Daubenski_15 (BE1), Daubenski_259 (BE1), EGole_16 (BE1), EGole_270 (BE1), Evy_16 (BE1), Evy_254 (BE1), Jay2Jay_19 (BE1), Jay2Jay_274 (BE1), LilMartin_Draft_17 (BE1), LilMartin_Draft_271 (BE1), Mildred21_16 (BE1), Mildred21_279 (BE1), MulchMansion_Draft_17 (BE1), MulchMansion_Draft_279 (BE1), NootNoot_15 (BE1), NootNoot_260 (BE1), Paradiddles_15 (BE1), Paradiddles_256 (BE1), Peebs_16 (BE1), Peebs_263 (BE1), Samisti12_15 (BE1), Samisti12_266 (BE1), Sushi23_17 (BE1), Sushi23_267 (BE1), Teutsch_16 (BE1), Teutsch_263 (BE1), Tribute_16 (BE1), Tribute_262 (BE1), Warpy_19 (BE1), Warpy_271 (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 30 times for cluster BE1.

Gene Information:

Gene: Bmoc_15 Start: 8142, Stop: 7861, Start Num: 1

Candidate Starts for Bmoc_15:

(Start: 1 @8142 has 30 MA's), (5, 7923), (6, 7902),

Gene: Bmoc_271 Start: 129964, Stop: 129683, Start Num: 1

Candidate Starts for Bmoc_271:

(Start: 1 @129964 has 30 MA's), (5, 129745), (6, 129724),

Gene: Braelyn_260 Start: 128126, Stop: 127842, Start Num: 1

Candidate Starts for Braelyn_260:

(Start: 1 @128126 has 30 MA's), (5, 127907), (6, 127886),

Gene: Braelyn_15 Start: 7716, Stop: 7432, Start Num: 1

Candidate Starts for Braelyn_15:

(Start: 1 @7716 has 30 MA's), (5, 7497), (6, 7476),

Gene: Cross_Draft_16 Start: 7986, Stop: 7702, Start Num: 1

Candidate Starts for Cross_Draft_16:

(Start: 1 @7986 has 30 MA's), (5, 7767), (6, 7746),

Gene: Cross_Draft_265 Start: 129718, Stop: 129434, Start Num: 1

Candidate Starts for Cross_Draft_265:

(Start: 1 @129718 has 30 MA's), (5, 129499), (6, 129478),

Gene: Daubenski_15 Start: 7690, Stop: 7406, Start Num: 1

Candidate Starts for Daubenski_15:

(Start: 1 @7690 has 30 MA's), (2, 7534), (3, 7528), (4, 7525), (6, 7447),

Gene: Daubenski_259 Start: 130066, Stop: 129782, Start Num: 1

Candidate Starts for Daubenski_259:

(Start: 1 @130066 has 30 MA's), (2, 129910), (3, 129904), (4, 129901), (6, 129823),

Gene: EGole_270 Start: 132718, Stop: 132434, Start Num: 1

Candidate Starts for EGole_270:

(Start: 1 @132718 has 30 MA's), (5, 132499), (6, 132478),

Gene: EGole_16 Start: 8406, Stop: 8122, Start Num: 1

Candidate Starts for EGole_16:

(Start: 1 @8406 has 30 MA's), (5, 8187), (6, 8166),

Gene: Evy_16 Start: 8162, Stop: 7878, Start Num: 1

Candidate Starts for Evy_16:

(Start: 1 @8162 has 30 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 30 MA's), (5, 129672), (6, 129651),

Gene: Jay2Jay_19 Start: 8351, Stop: 8073, Start Num: 1

Candidate Starts for Jay2Jay_19:

(Start: 1 @8351 has 30 MA's), (5, 8138), (6, 8117),

Gene: Jay2Jay_274 Start: 130444, Stop: 130166, Start Num: 1

Candidate Starts for Jay2Jay_274:

(Start: 1 @130444 has 30 MA's), (5, 130231), (6, 130210),

Gene: LilMartin_Draft_17 Start: 8292, Stop: 8008, Start Num: 1

Candidate Starts for LilMartin_Draft_17:

(Start: 1 @8292 has 30 MA's), (5, 8073), (6, 8052), (7, 8019),

Gene: LilMartin_Draft_271 Start: 129636, Stop: 129352, Start Num: 1

Candidate Starts for LilMartin_Draft_271:

(Start: 1 @129636 has 30 MA's), (5, 129417), (6, 129396), (7, 129363),

Gene: Mildred21_279 Start: 129036, Stop: 128752, Start Num: 1

Candidate Starts for Mildred21_279:

(Start: 1 @129036 has 30 MA's), (5, 128817), (6, 128796), (7, 128763),

Gene: Mildred21_16 Start: 7878, Stop: 7594, Start Num: 1

Candidate Starts for Mildred21_16:

(Start: 1 @7878 has 30 MA's), (5, 7659), (6, 7638), (7, 7605),

Gene: MulchMansion_Draft_279 Start: 131270, Stop: 130986, Start Num: 1

Candidate Starts for MulchMansion_Draft_279:

(Start: 1 @131270 has 30 MA's), (5, 131051), (6, 131030), (7, 130997),

Gene: MulchMansion_Draft_17 Start: 8292, Stop: 8008, Start Num: 1

Candidate Starts for MulchMansion_Draft_17:

(Start: 1 @8292 has 30 MA's), (5, 8073), (6, 8052), (7, 8019),

Gene: NootNoot_260 Start: 127982, Stop: 127698, Start Num: 1
Candidate Starts for NootNoot_260:
(Start: 1 @127982 has 30 MA's), (5, 127763), (6, 127742),

Gene: NootNoot_15 Start: 7683, Stop: 7399, Start Num: 1
Candidate Starts for NootNoot_15:
(Start: 1 @7683 has 30 MA's), (5, 7464), (6, 7443),

Gene: Paradiddles_256 Start: 130381, Stop: 130097, Start Num: 1
Candidate Starts for Paradiddles_256:
(Start: 1 @130381 has 30 MA's), (5, 130162), (6, 130141),

Gene: Paradiddles_15 Start: 7673, Stop: 7389, Start Num: 1
Candidate Starts for Paradiddles_15:
(Start: 1 @7673 has 30 MA's), (5, 7454), (6, 7433),

Gene: Peebs_263 Start: 129959, Stop: 129675, Start Num: 1
Candidate Starts for Peebs_263:
(Start: 1 @129959 has 30 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 30 MA's), (5, 7765), (6, 7744),

Gene: Samisti12_15 Start: 7985, Stop: 7701, Start Num: 1
Candidate Starts for Samisti12_15:
(Start: 1 @7985 has 30 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 30 MA's), (5, 130810), (6, 130789),

Gene: Sushi23_17 Start: 7985, Stop: 7701, Start Num: 1
Candidate Starts for Sushi23_17:
(Start: 1 @7985 has 30 MA's), (5, 7766), (6, 7745),

Gene: Sushi23_267 Start: 130828, Stop: 130544, Start Num: 1
Candidate Starts for Sushi23_267:
(Start: 1 @130828 has 30 MA's), (5, 130609), (6, 130588),

Gene: Teutsch_16 Start: 7986, Stop: 7702, Start Num: 1
Candidate Starts for Teutsch_16:
(Start: 1 @7986 has 30 MA's), (5, 7767), (6, 7746),

Gene: Teutsch_263 Start: 130195, Stop: 129911, Start Num: 1
Candidate Starts for Teutsch_263:
(Start: 1 @130195 has 30 MA's), (5, 129976), (6, 129955),

Gene: Tribute_262 Start: 130529, Stop: 130245, Start Num: 1
Candidate Starts for Tribute_262:
(Start: 1 @130529 has 30 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 30 MA's), (5, 7766), (6, 7745),

Gene: Warpy_271 Start: 129910, Stop: 129632, Start Num: 1
Candidate Starts for Warpy_271:
(Start: 1 @129910 has 30 MA's), (5, 129697), (6, 129676),

Gene: Warpy_19 Start: 8372, Stop: 8094, Start Num: 1
Candidate Starts for Warpy_19:
(Start: 1 @8372 has 30 MA's), (5, 8159), (6, 8138),