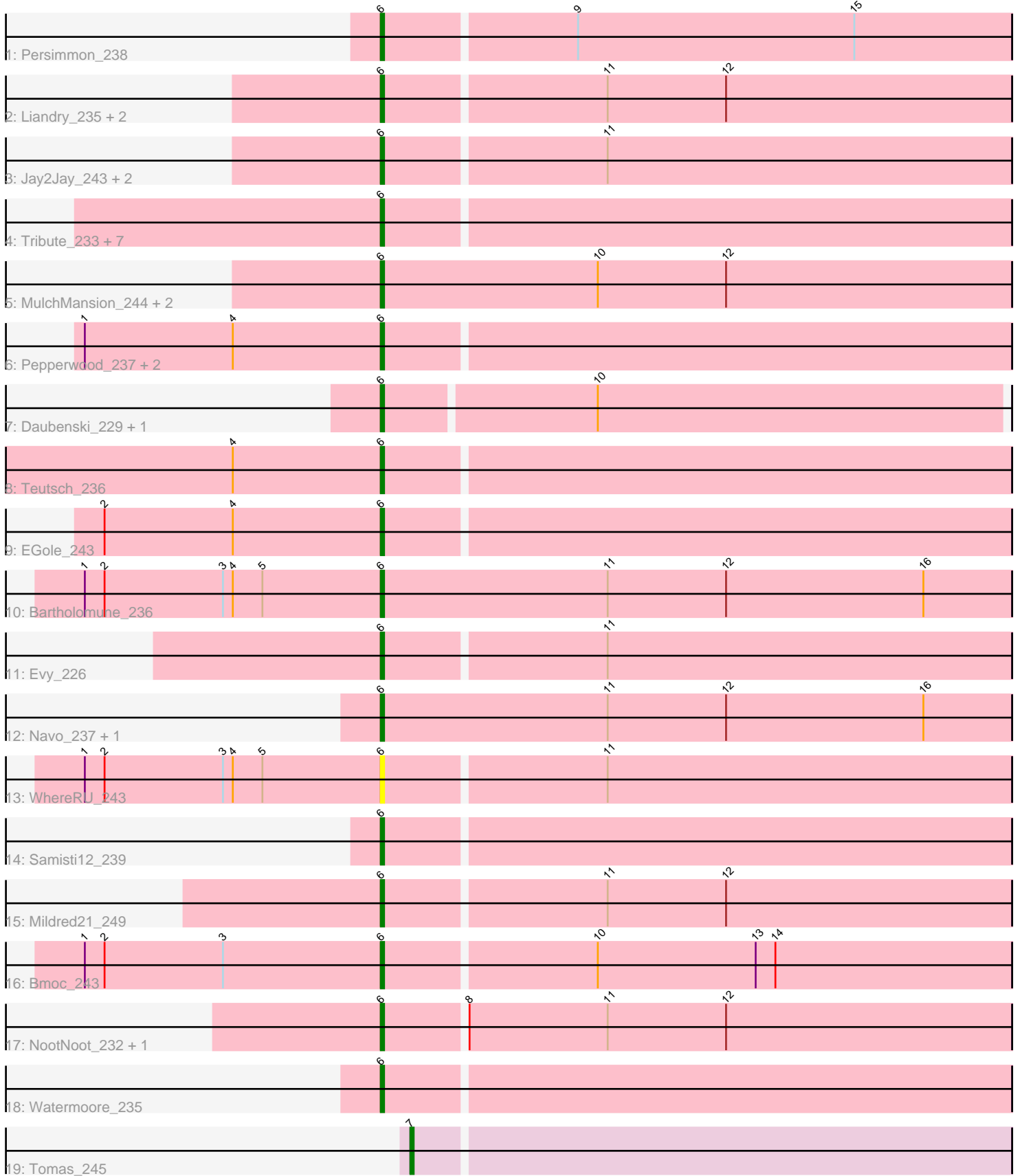


Pham 162032



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 162032 Report

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

Pham number 162032 has 37 members, 8 are drafts.

Phages represented in each track:

- Track 1 : Persimmon_238
- Track 2 : Liandry_235, PinkiePie_236, Squillium_238
- Track 3 : Jay2Jay_243, Targaryen_236, Warpy_240
- Track 4 : Tribute_233, Leo04_238, BlueOtter_238, Cursive_240, Cross_236, HangryHippo_238, Lululemon_237, PacManQ_238
- Track 5 : MulchMansion_244, Angela_244, LilMartin_240
- Track 6 : Pepperwood_237, Sushi23_238, Larnav_244
- Track 7 : Daubenski_229, Anedeia_249
- Track 8 : Deutsch_236
- Track 9 : EGole_243
- Track 10 : Bartholomune_236
- Track 11 : Evy_226
- Track 12 : Navo_237, Braelyn_231
- Track 13 : WhereRU_243
- Track 14 : Samisti12_239
- Track 15 : Mildred21_249
- Track 16 : Bmoc_243
- Track 17 : NootNoot_232, Paradiddles_227
- Track 18 : Watermoore_235
- Track 19 : Tomas_245

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

The start number called the most often in the published annotations is 6, it was called in 28 of the 29 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Anedeia_249, Angela_244, Bartholomune_236, BlueOtter_238, Bmoc_243, Braelyn_231, Cross_236, Cursive_240, Daubenski_229, EGole_243, Evy_226, HangryHippo_238, Jay2Jay_243, Larnav_244, Leo04_238, Liandry_235, LilMartin_240, Lululemon_237, Mildred21_249, MulchMansion_244, Navo_237, NootNoot_232, PacManQ_238, Paradiddles_227, Pepperwood_237, Persimmon_238, PinkiePie_236, Samisti12_239, Squillium_238, Sushi23_238, Targaryen_236, Deutsch_236, Tribute_233, Warpy_240, Watermoore_235,

WhereRU_243,

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

-

Genes that do not have the "Most Annotated" start:

- Tomas_245,

Summary by start number:

Start 6:

- Found in 36 of 37 (97.3%) of genes in pham
- Manual Annotations of this start: 28 of 29
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Anedea_249 (BE1), Angela_244 (BE1), Bartholomune_236 (BE1), BlueOtter_238 (BE1), Bmoc_243 (BE1), Braelyn_231 (BE1), Cross_236 (BE1), Cursive_240 (BE1), Daubenski_229 (BE1), EGole_243 (BE1), Evy_226 (BE1), HangryHippo_238 (BE1), Jay2Jay_243 (BE1), Larnav_244 (BE1), Leo04_238 (BE1), Liandry_235 (BE1), LiiMartin_240 (BE1), Lululemon_237 (BE1), Mildred21_249 (BE1), MulchMansion_244 (BE1), Navo_237 (BE1), NootNoot_232 (BE1), PacManQ_238 (BE1), Paradiddles_227 (BE1), Pepperwood_237 (BE1), Persimmon_238 (BE1), PinkiePie_236 (BE1), Samisti12_239 (BE1), Squillium_238 (BE1), Sushi23_238 (BE1), Targaryen_236 (BE1), Teutsch_236 (BE1), Tribute_233 (BE1), Warpy_240 (BE1), Watermoore_235 (BE1), WhereRU_243 (BE1),

Start 7:

- Found in 1 of 37 (2.7%) of genes in pham
- Manual Annotations of this start: 1 of 29
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Tomas_245 (BE2),

Summary by clusters:

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

Info for manual annotations of cluster BE1:

- Start number 6 was manually annotated 28 times for cluster BE1.

Info for manual annotations of cluster BE2:

- Start number 7 was manually annotated 1 time for cluster BE2.

Gene Information:

Gene: Anedea_249 Start: 118372, Stop: 118563, Start Num: 6

Candidate Starts for Anedea_249:

(Start: 6 @118372 has 28 MA's), (10, 118438),

Gene: Angela_244 Start: 117724, Stop: 117915, Start Num: 6

Candidate Starts for Angela_244:

(Start: 6 @117724 has 28 MA's), (10, 117790), (12, 117829),

Gene: Bartholomune_236 Start: 116375, Stop: 116566, Start Num: 6

Candidate Starts for Bartholomune_236:

(1, 116285), (2, 116291), (3, 116327), (4, 116330), (5, 116339), (Start: 6 @116375 has 28 MA's), (11, 116444), (12, 116480), (16, 116540),

Gene: BlueOtter_238 Start: 116553, Stop: 116741, Start Num: 6

Candidate Starts for BlueOtter_238:

(Start: 6 @116553 has 28 MA's),

Gene: Bmoc_243 Start: 117147, Stop: 117335, Start Num: 6

Candidate Starts for Bmoc_243:

(1, 117057), (2, 117063), (3, 117099), (Start: 6 @117147 has 28 MA's), (10, 117210), (13, 117258), (14, 117264),

Gene: Braelyn_231 Start: 115710, Stop: 115901, Start Num: 6

Candidate Starts for Braelyn_231:

(Start: 6 @115710 has 28 MA's), (11, 115779), (12, 115815), (16, 115875),

Gene: Cross_236 Start: 117198, Stop: 117386, Start Num: 6

Candidate Starts for Cross_236:

(Start: 6 @117198 has 28 MA's),

Gene: Cursive_240 Start: 117305, Stop: 117493, Start Num: 6

Candidate Starts for Cursive_240:

(Start: 6 @117305 has 28 MA's),

Gene: Daubenski_229 Start: 117560, Stop: 117745, Start Num: 6

Candidate Starts for Daubenski_229:

(Start: 6 @117560 has 28 MA's), (10, 117623),

Gene: EGole_243 Start: 119779, Stop: 119967, Start Num: 6

Candidate Starts for EGole_243:

(2, 119695), (4, 119734), (Start: 6 @119779 has 28 MA's),

Gene: Evy_226 Start: 117231, Stop: 117419, Start Num: 6

Candidate Starts for Evy_226:

(Start: 6 @117231 has 28 MA's), (11, 117297),

Gene: HangryHippo_238 Start: 116553, Stop: 116741, Start Num: 6

Candidate Starts for HangryHippo_238:

(Start: 6 @116553 has 28 MA's),

Gene: Jay2Jay_243 Start: 117595, Stop: 117783, Start Num: 6

Candidate Starts for Jay2Jay_243:

(Start: 6 @117595 has 28 MA's), (11, 117661),

Gene: Larnav_244 Start: 117471, Stop: 117659, Start Num: 6

Candidate Starts for Larnav_244:

(1, 117381), (4, 117426), (Start: 6 @117471 has 28 MA's),

Gene: Leo04_238 Start: 117584, Stop: 117772, Start Num: 6

Candidate Starts for Leo04_238:

(Start: 6 @117584 has 28 MA's),

Gene: Liandry_235 Start: 116767, Stop: 116955, Start Num: 6

Candidate Starts for Liandry_235:

(Start: 6 @116767 has 28 MA's), (11, 116833), (12, 116869),

Gene: LilMartin_240 Start: 116664, Stop: 116855, Start Num: 6

Candidate Starts for LilMartin_240:

(Start: 6 @116664 has 28 MA's), (10, 116730), (12, 116769),

Gene: Lululemon_237 Start: 116358, Stop: 116546, Start Num: 6

Candidate Starts for Lululemon_237:

(Start: 6 @116358 has 28 MA's),

Gene: Mildred21_249 Start: 116265, Stop: 116453, Start Num: 6

Candidate Starts for Mildred21_249:

(Start: 6 @116265 has 28 MA's), (11, 116331), (12, 116367),

Gene: MulchMansion_244 Start: 118298, Stop: 118489, Start Num: 6

Candidate Starts for MulchMansion_244:

(Start: 6 @118298 has 28 MA's), (10, 118364), (12, 118403),

Gene: Navo_237 Start: 114914, Stop: 115105, Start Num: 6

Candidate Starts for Navo_237:

(Start: 6 @114914 has 28 MA's), (11, 114983), (12, 115019), (16, 115079),

Gene: NootNoot_232 Start: 115612, Stop: 115800, Start Num: 6

Candidate Starts for NootNoot_232:

(Start: 6 @115612 has 28 MA's), (8, 115636), (11, 115678), (12, 115714),

Gene: PacManQ_238 Start: 116358, Stop: 116546, Start Num: 6

Candidate Starts for PacManQ_238:

(Start: 6 @116358 has 28 MA's),

Gene: Paradiddles_227 Start: 117987, Stop: 118175, Start Num: 6

Candidate Starts for Paradiddles_227:

(Start: 6 @117987 has 28 MA's), (8, 118011), (11, 118053), (12, 118089),

Gene: Pepperwood_237 Start: 117250, Stop: 117438, Start Num: 6

Candidate Starts for Pepperwood_237:

(1, 117160), (4, 117205), (Start: 6 @117250 has 28 MA's),

Gene: Persimmon_238 Start: 116111, Stop: 116299, Start Num: 6

Candidate Starts for Persimmon_238:

(Start: 6 @116111 has 28 MA's), (9, 116168), (15, 116252),

Gene: PinkiePie_236 Start: 116767, Stop: 116955, Start Num: 6

Candidate Starts for PinkiePie_236:

(Start: 6 @116767 has 28 MA's), (11, 116833), (12, 116869),

Gene: Samisti12_239 Start: 118507, Stop: 118695, Start Num: 6

Candidate Starts for Samisti12_239:

(Start: 6 @118507 has 28 MA's),

Gene: Squillium_238 Start: 116769, Stop: 116957, Start Num: 6
Candidate Starts for Squillium_238:
(Start: 6 @116769 has 28 MA's), (11, 116835), (12, 116871),

Gene: Sushi23_238 Start: 118308, Stop: 118496, Start Num: 6
Candidate Starts for Sushi23_238:
(1, 118218), (4, 118263), (Start: 6 @118308 has 28 MA's),

Gene: Targaryen_236 Start: 118339, Stop: 118527, Start Num: 6
Candidate Starts for Targaryen_236:
(Start: 6 @118339 has 28 MA's), (11, 118405),

Gene: Teutsch_236 Start: 117673, Stop: 117861, Start Num: 6
Candidate Starts for Teutsch_236:
(4, 117628), (Start: 6 @117673 has 28 MA's),

Gene: Tomas_245 Start: 117561, Stop: 117740, Start Num: 7
Candidate Starts for Tomas_245:
(Start: 7 @117561 has 1 MA's),

Gene: Tribute_233 Start: 117838, Stop: 118026, Start Num: 6
Candidate Starts for Tribute_233:
(Start: 6 @117838 has 28 MA's),

Gene: Warpy_240 Start: 117040, Stop: 117228, Start Num: 6
Candidate Starts for Warpy_240:
(Start: 6 @117040 has 28 MA's), (11, 117106),

Gene: Watermoore_235 Start: 118062, Stop: 118250, Start Num: 6
Candidate Starts for Watermoore_235:
(Start: 6 @118062 has 28 MA's),

Gene: WhereRU_243 Start: 116447, Stop: 116635, Start Num: 6
Candidate Starts for WhereRU_243:
(1, 116357), (2, 116363), (3, 116399), (4, 116402), (5, 116411), (Start: 6 @116447 has 28 MA's), (11, 116513),