



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 154929 Report

This analysis was run 04/12/24 on database version 558.

Pham number 154929 has 28 members, 5 are drafts.

Phages represented in each track:

- Track 1 : Samisti12_111, Watermoore_109, Cursive_108, BlueOtter_113, HangryHippo_113, Leo04_111, PacManQ_111, EGole_113, Peebs_109, Lululemon_111, Cross_110, Larnav_117, Teutsch_110
- Track 2 : Paradiddles_107, Persimmon_111, Braelyn_113, Liandry_111, PinkiePie_110, NootNoot_108, Bartholomune_111, Squillium_112
- Track 3 : Warpy_114, Targaryen_111, Evy_110, Jay2Jay_115
- Track 4 : Pepperwood_110, Tribute_109, Sushi23_110

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 23 of the 23 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Bartholomune_111, BlueOtter_113, Braelyn_113, Cross_110, Cursive_108, EGole_113, Evy_110, HangryHippo_113, Jay2Jay_115, Larnav_117, Leo04_111, Liandry_111, Lululemon_111, NootNoot_108, PacManQ_111, Paradiddles_107, Peebs_109, Pepperwood_110, Persimmon_111, PinkiePie_110, Samisti12_111, Squillium_112, Sushi23_110, Targaryen_111, Teutsch_110, Tribute_109, Warpy_114, Watermoore_109,

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 28 of 28 (100.0%) of genes in pham
- Manual Annotations of this start: 23 of 23
- Called 100.0% of time when present

• Phage (with cluster) where this start called: Bartholomune_111 (BE1), BlueOtter_113 (BE1), Braelyn_113 (BE1), Cross_110 (BE1), Cursive_108 (BE1), EGole_113 (BE1), Evy_110 (BE1), HangryHippo_113 (BE1), Jay2Jay_115 (BE1), Larnav_117 (BE1), Leo04_111 (BE1), Liandry_111 (BE1), Lululemon_111 (BE1), NootNoot_108 (BE1), PacManQ_111 (BE1), Paradiddles_107 (BE1), Peebs_109 (BE1), Pepperwood_110 (BE1), Persimmon_111 (BE1), PinkiePie_110 (BE1), Samisti12_111 (BE1), Squillium_112 (BE1), Sushi23_110 (BE1), Targaryen_111 (BE1), Teutsch_110 (BE1), Tribute_109 (BE1), Warpy_114 (BE1), Watermoore_109 (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 23 times for cluster BE1.

Gene Information:

Gene: Bartholomune_111 Start: 76652, Stop: 76810, Start Num: 1

Candidate Starts for Bartholomune_111:

(Start: 1 @76652 has 23 MA's), (2, 76730), (3, 76766), (4, 76769),

Gene: BlueOtter_113 Start: 77063, Stop: 77221, Start Num: 1

Candidate Starts for BlueOtter_113:

(Start: 1 @77063 has 23 MA's), (2, 77141), (4, 77180),

Gene: Braelyn_113 Start: 77537, Stop: 77695, Start Num: 1

Candidate Starts for Braelyn_113:

(Start: 1 @77537 has 23 MA's), (2, 77615), (3, 77651), (4, 77654),

Gene: Cross_110 Start: 77064, Stop: 77222, Start Num: 1

Candidate Starts for Cross_110:

(Start: 1 @77064 has 23 MA's), (2, 77142), (4, 77181),

Gene: Cursive_108 Start: 76589, Stop: 76747, Start Num: 1

Candidate Starts for Cursive_108:

(Start: 1 @76589 has 23 MA's), (2, 76667), (4, 76706),

Gene: EGole_113 Start: 77908, Stop: 78066, Start Num: 1

Candidate Starts for EGole_113:

(Start: 1 @77908 has 23 MA's), (2, 77986), (4, 78025),

Gene: Evy_110 Start: 76919, Stop: 77077, Start Num: 1

Candidate Starts for Evy_110:

(Start: 1 @76919 has 23 MA's), (2, 76997), (4, 77036),

Gene: HangryHippo_113 Start: 77063, Stop: 77221, Start Num: 1

Candidate Starts for HangryHippo_113:

(Start: 1 @77063 has 23 MA's), (2, 77141), (4, 77180),

Gene: Jay2Jay_115 Start: 77860, Stop: 78018, Start Num: 1
Candidate Starts for Jay2Jay_115:
(Start: 1 @77860 has 23 MA's), (2, 77938), (4, 77977),

Gene: Larnav_117 Start: 77048, Stop: 77206, Start Num: 1
Candidate Starts for Larnav_117:
(Start: 1 @77048 has 23 MA's), (2, 77126), (4, 77165),

Gene: Leo04_111 Start: 77563, Stop: 77721, Start Num: 1
Candidate Starts for Leo04_111:
(Start: 1 @77563 has 23 MA's), (2, 77641), (4, 77680),

Gene: Liandry_111 Start: 77401, Stop: 77559, Start Num: 1
Candidate Starts for Liandry_111:
(Start: 1 @77401 has 23 MA's), (2, 77479), (3, 77515), (4, 77518),

Gene: Lululemon_111 Start: 76444, Stop: 76602, Start Num: 1
Candidate Starts for Lululemon_111:
(Start: 1 @76444 has 23 MA's), (2, 76522), (4, 76561),

Gene: NootNoot_108 Start: 76315, Stop: 76473, Start Num: 1
Candidate Starts for NootNoot_108:
(Start: 1 @76315 has 23 MA's), (2, 76393), (3, 76429), (4, 76432),

Gene: PacManQ_111 Start: 76444, Stop: 76602, Start Num: 1
Candidate Starts for PacManQ_111:
(Start: 1 @76444 has 23 MA's), (2, 76522), (4, 76561),

Gene: Paradiddles_107 Start: 76464, Stop: 76622, Start Num: 1
Candidate Starts for Paradiddles_107:
(Start: 1 @76464 has 23 MA's), (2, 76542), (3, 76578), (4, 76581),

Gene: Peebs_109 Start: 76861, Stop: 77019, Start Num: 1
Candidate Starts for Peebs_109:
(Start: 1 @76861 has 23 MA's), (2, 76939), (4, 76978),

Gene: Pepperwood_110 Start: 76992, Stop: 77150, Start Num: 1
Candidate Starts for Pepperwood_110:
(Start: 1 @76992 has 23 MA's), (2, 77070),

Gene: Persimmon_111 Start: 76249, Stop: 76407, Start Num: 1
Candidate Starts for Persimmon_111:
(Start: 1 @76249 has 23 MA's), (2, 76327), (3, 76363), (4, 76366),

Gene: PinkiePie_110 Start: 77401, Stop: 77559, Start Num: 1
Candidate Starts for PinkiePie_110:
(Start: 1 @77401 has 23 MA's), (2, 77479), (3, 77515), (4, 77518),

Gene: Samisti12_111 Start: 78240, Stop: 78398, Start Num: 1
Candidate Starts for Samisti12_111:
(Start: 1 @78240 has 23 MA's), (2, 78318), (4, 78357),

Gene: Squillum_112 Start: 77402, Stop: 77560, Start Num: 1

Candidate Starts for Squillium_112:

(Start: 1 @77402 has 23 MA's), (2, 77480), (3, 77516), (4, 77519),

Gene: Sushi23_110 Start: 77217, Stop: 77375, Start Num: 1

Candidate Starts for Sushi23_110:

(Start: 1 @77217 has 23 MA's), (2, 77295),

Gene: Targaryen_111 Start: 77906, Stop: 78064, Start Num: 1

Candidate Starts for Targaryen_111:

(Start: 1 @77906 has 23 MA's), (2, 77984), (4, 78023),

Gene: Teutsch_110 Start: 77419, Stop: 77577, Start Num: 1

Candidate Starts for Teutsch_110:

(Start: 1 @77419 has 23 MA's), (2, 77497), (4, 77536),

Gene: Tribute_109 Start: 77104, Stop: 77262, Start Num: 1

Candidate Starts for Tribute_109:

(Start: 1 @77104 has 23 MA's), (2, 77182),

Gene: Warpy_114 Start: 77369, Stop: 77527, Start Num: 1

Candidate Starts for Warpy_114:

(Start: 1 @77369 has 23 MA's), (2, 77447), (4, 77486),

Gene: Watermoore_109 Start: 77635, Stop: 77793, Start Num: 1

Candidate Starts for Watermoore_109:

(Start: 1 @77635 has 23 MA's), (2, 77713), (4, 77752),