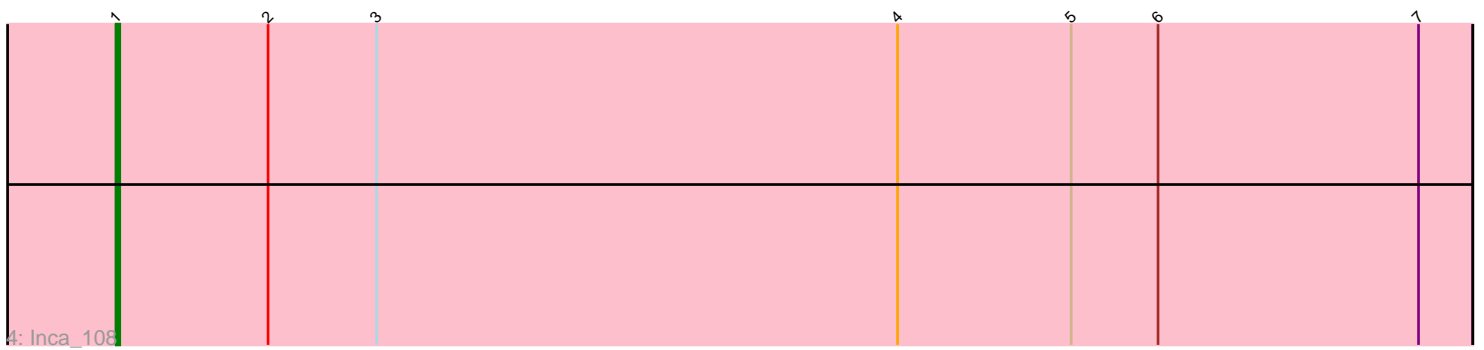
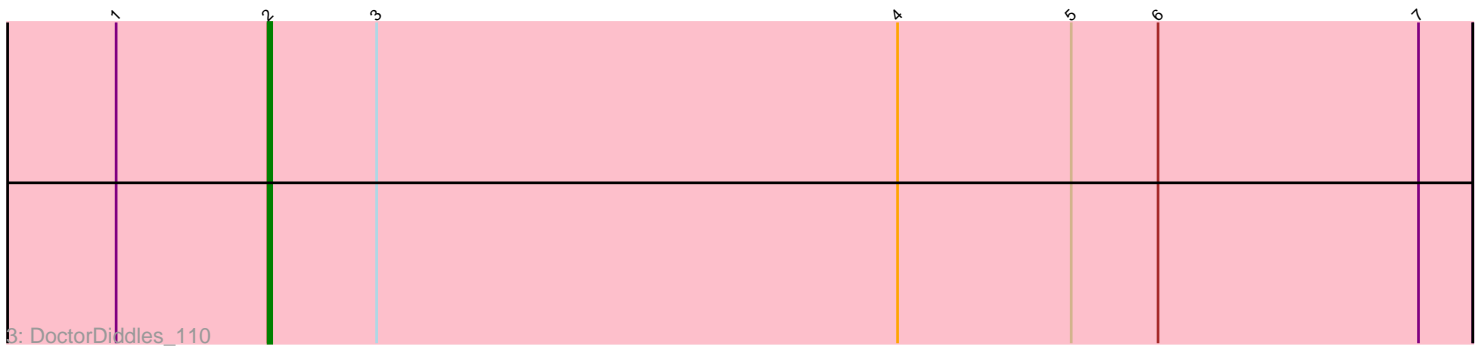
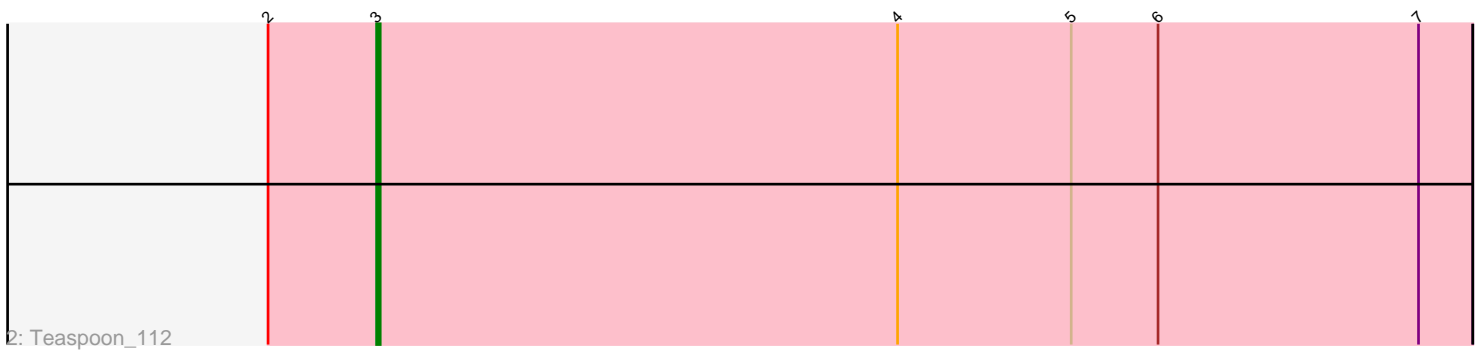
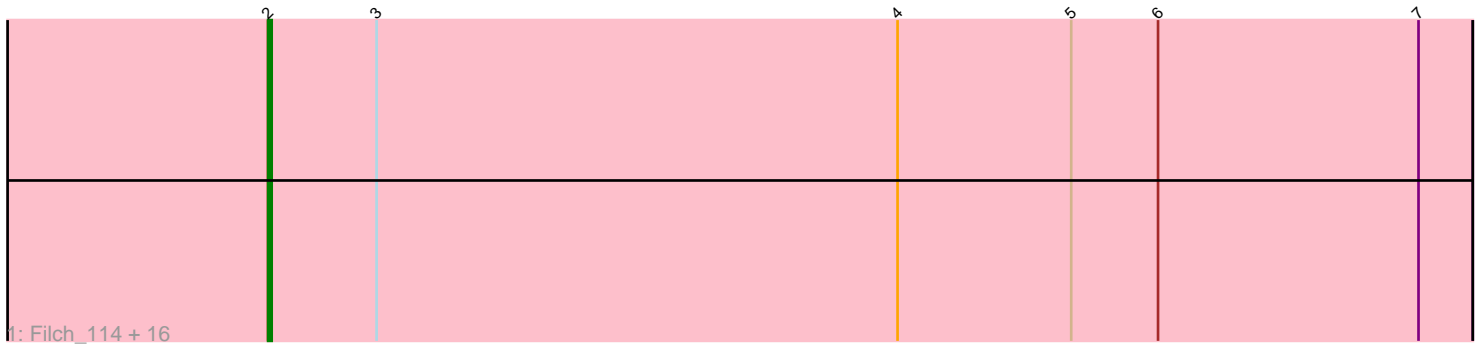


Pham 194351



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 194351 Report

This analysis was run 11/02/24 on database version 579.

Pham number 194351 has 20 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Filch_114, JeTaime_110, Holt_117, Xandras_111, Icee_113, Marshmallow_110, Porky_110, BaboJay_111, Nimrod_112, TBrady12_115, Stank_114, BigBubba_113, Goldilocks_115, Kimchi_116, Goku_111, Wiggin_114, 244_113
- Track 2 : Teaspoon_112
- Track 3 : DoctorDiddles_110
- Track 4 : Inca_108

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

The start number called the most often in the published annotations is 2, it was called in 18 of the 20 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- 244_113, BaboJay_111, BigBubba_113, DoctorDiddles_110, Filch_114, Goku_111, Goldilocks_115, Holt_117, Icee_113, JeTaime_110, Kimchi_116, Marshmallow_110, Nimrod_112, Porky_110, Stank_114, TBrady12_115, Wiggin_114, Xandras_111,

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

- Inca_108, Teaspoon_112,

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

-

Summary by start number:

Start 1:

- Found in 2 of 20 (10.0%) of genes in pham
- Manual Annotations of this start: 1 of 20
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Inca_108 (E),

Start 2:

- Found in 20 of 20 (100.0%) of genes in pham

- Manual Annotations of this start: 18 of 20
- Called 90.0% of time when present
- Phage (with cluster) where this start called: 244_113 (E), BaboJay_111 (E), BigBubba_113 (E), DoctorDiddles_110 (E), Filch_114 (E), Goku_111 (E), Goldilocks_115 (E), Holt_117 (E), Icee_113 (E), JeTaime_110 (E), Kimchi_116 (E), Marshmallow_110 (E), Nimrod_112 (E), Porky_110 (E), Stank_114 (E), TBrady12_115 (E), Wiggin_114 (E), Xandras_111 (E),

Start 3:

- Found in 20 of 20 (100.0%) of genes in pham
- Manual Annotations of this start: 1 of 20
- Called 5.0% of time when present
- Phage (with cluster) where this start called: Teaspoon_112 (E),

Summary by clusters:

There is one cluster represented in this pham: E

Info for manual annotations of cluster E:

- Start number 1 was manually annotated 1 time for cluster E.
- Start number 2 was manually annotated 18 times for cluster E.
- Start number 3 was manually annotated 1 time for cluster E.

Gene Information:

Gene: 244_113 Start: 63341, Stop: 63673, Start Num: 2

Candidate Starts for 244_113:

(Start: 2 @63341 has 18 MA's), (Start: 3 @63371 has 1 MA's), (4, 63515), (5, 63563), (6, 63587), (7, 63659),

Gene: BaboJay_111 Start: 64514, Stop: 64846, Start Num: 2

Candidate Starts for BaboJay_111:

(Start: 2 @64514 has 18 MA's), (Start: 3 @64544 has 1 MA's), (4, 64688), (5, 64736), (6, 64760), (7, 64832),

Gene: BigBubba_113 Start: 62987, Stop: 63319, Start Num: 2

Candidate Starts for BigBubba_113:

(Start: 2 @62987 has 18 MA's), (Start: 3 @63017 has 1 MA's), (4, 63161), (5, 63209), (6, 63233), (7, 63305),

Gene: DoctorDiddles_110 Start: 62868, Stop: 63200, Start Num: 2

Candidate Starts for DoctorDiddles_110:

(Start: 1 @62826 has 1 MA's), (Start: 2 @62868 has 18 MA's), (Start: 3 @62898 has 1 MA's), (4, 63042), (5, 63090), (6, 63114), (7, 63186),

Gene: Filch_114 Start: 63550, Stop: 63882, Start Num: 2

Candidate Starts for Filch_114:

(Start: 2 @63550 has 18 MA's), (Start: 3 @63580 has 1 MA's), (4, 63724), (5, 63772), (6, 63796), (7, 63868),

Gene: Goku_111 Start: 64093, Stop: 64425, Start Num: 2

Candidate Starts for Goku_111:

(Start: 2 @64093 has 18 MA's), (Start: 3 @64123 has 1 MA's), (4, 64267), (5, 64315), (6, 64339), (7, 64411),

Gene: Goldilocks_115 Start: 63774, Stop: 64106, Start Num: 2

Candidate Starts for Goldilocks_115:

(Start: 2 @63774 has 18 MA's), (Start: 3 @63804 has 1 MA's), (4, 63948), (5, 63996), (6, 64020), (7, 64092),

Gene: Holt_117 Start: 64172, Stop: 64504, Start Num: 2

Candidate Starts for Holt_117:

(Start: 2 @64172 has 18 MA's), (Start: 3 @64202 has 1 MA's), (4, 64346), (5, 64394), (6, 64418), (7, 64490),

Gene: Icee_113 Start: 63282, Stop: 63614, Start Num: 2

Candidate Starts for Icee_113:

(Start: 2 @63282 has 18 MA's), (Start: 3 @63312 has 1 MA's), (4, 63456), (5, 63504), (6, 63528), (7, 63600),

Gene: Inca_108 Start: 61449, Stop: 61823, Start Num: 1

Candidate Starts for Inca_108:

(Start: 1 @61449 has 1 MA's), (Start: 2 @61491 has 18 MA's), (Start: 3 @61521 has 1 MA's), (4, 61665), (5, 61713), (6, 61737), (7, 61809),

Gene: JeTaime_110 Start: 63384, Stop: 63716, Start Num: 2

Candidate Starts for JeTaime_110:

(Start: 2 @63384 has 18 MA's), (Start: 3 @63414 has 1 MA's), (4, 63558), (5, 63606), (6, 63630), (7, 63702),

Gene: Kimchi_116 Start: 63899, Stop: 64231, Start Num: 2

Candidate Starts for Kimchi_116:

(Start: 2 @63899 has 18 MA's), (Start: 3 @63929 has 1 MA's), (4, 64073), (5, 64121), (6, 64145), (7, 64217),

Gene: Marshmallow_110 Start: 64096, Stop: 64428, Start Num: 2

Candidate Starts for Marshmallow_110:

(Start: 2 @64096 has 18 MA's), (Start: 3 @64126 has 1 MA's), (4, 64270), (5, 64318), (6, 64342), (7, 64414),

Gene: Nimrod_112 Start: 64244, Stop: 64576, Start Num: 2

Candidate Starts for Nimrod_112:

(Start: 2 @64244 has 18 MA's), (Start: 3 @64274 has 1 MA's), (4, 64418), (5, 64466), (6, 64490), (7, 64562),

Gene: Porky_110 Start: 63022, Stop: 63354, Start Num: 2

Candidate Starts for Porky_110:

(Start: 2 @63022 has 18 MA's), (Start: 3 @63052 has 1 MA's), (4, 63196), (5, 63244), (6, 63268), (7, 63340),

Gene: Stank_114 Start: 63971, Stop: 64303, Start Num: 2

Candidate Starts for Stank_114:

(Start: 2 @63971 has 18 MA's), (Start: 3 @64001 has 1 MA's), (4, 64145), (5, 64193), (6, 64217), (7, 64289),

Gene: TBrady12_115 Start: 63408, Stop: 63740, Start Num: 2

Candidate Starts for TBrady12_115:

(Start: 2 @63408 has 18 MA's), (Start: 3 @63438 has 1 MA's), (4, 63582), (5, 63630), (6, 63654), (7, 63726),

Gene: Teaspoon_112 Start: 63986, Stop: 64288, Start Num: 3

Candidate Starts for Teaspoon_112:

(Start: 2 @63956 has 18 MA's), (Start: 3 @63986 has 1 MA's), (4, 64130), (5, 64178), (6, 64202), (7, 64274),

Gene: Wiggin_114 Start: 63401, Stop: 63733, Start Num: 2

Candidate Starts for Wiggin_114:

(Start: 2 @63401 has 18 MA's), (Start: 3 @63431 has 1 MA's), (4, 63575), (5, 63623), (6, 63647), (7, 63719),

Gene: Xandras_111 Start: 63224, Stop: 63556, Start Num: 2

Candidate Starts for Xandras_111:

(Start: 2 @63224 has 18 MA's), (Start: 3 @63254 has 1 MA's), (4, 63398), (5, 63446), (6, 63470), (7, 63542),