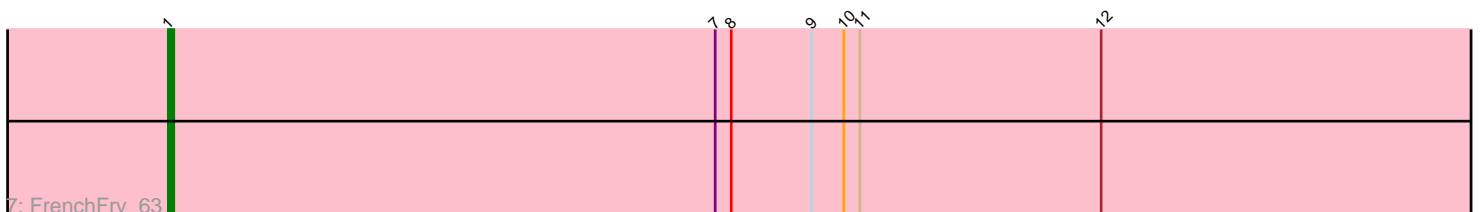
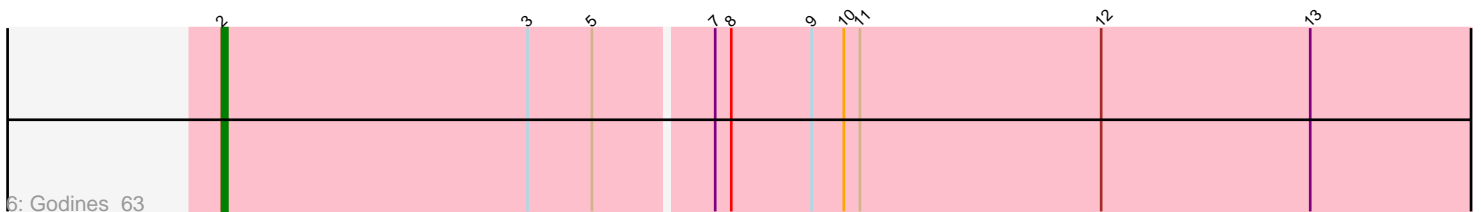
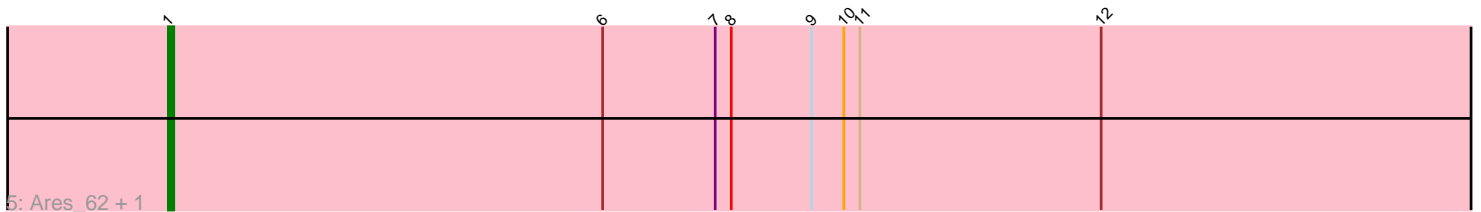
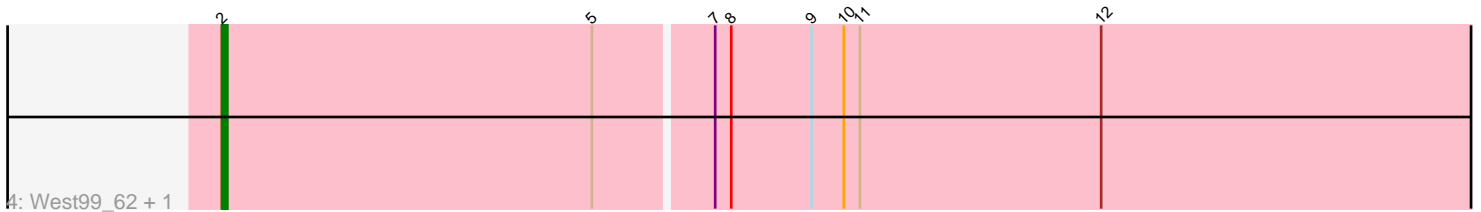
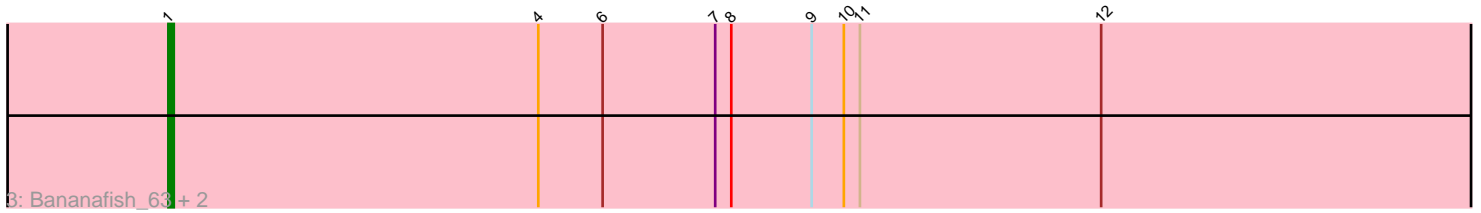
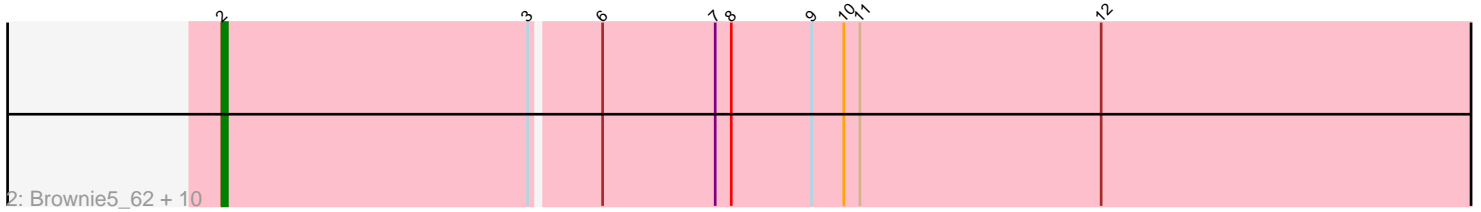
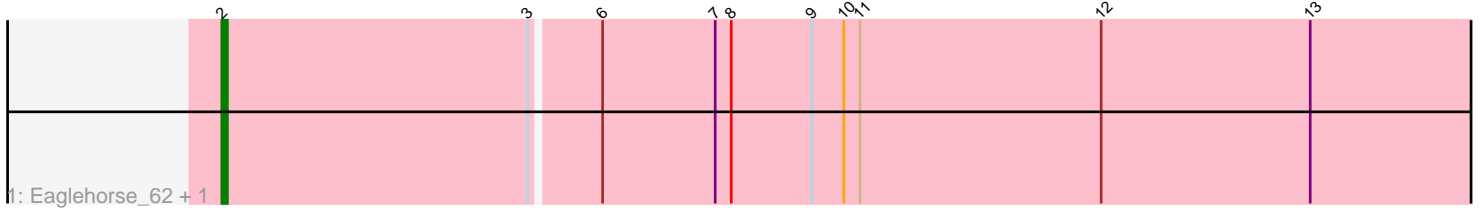


Pham 171759



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 171759 Report

This analysis was run 07/10/24 on database version 566.

Pham number 171759 has 22 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Eaglehorse_62, Tres_62
- Track 2 : Brownie5_62, Boyle_62, LizLemon_62, Kheth_62, Rhinoforte_62, Lephleur_62, Rosebush_61, Coffee_62, Opia_63, Tinciduntolum_63, Hedgerow_62
- Track 3 : Bananafish_63, Allegro_62, Glass_63
- Track 4 : West99_62, Sabella_62
- Track 5 : Ares_62, Blocker23_62
- Track 6 : Godines_63
- Track 7 : FrenchFry_63

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 16 of the 22 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Boyle_62, Brownie5_62, Coffee_62, Eaglehorse_62, Godines_63, Hedgerow_62, Kheth_62, Lephleur_62, LizLemon_62, Opia_63, Rhinoforte_62, Rosebush_61, Sabella_62, Tinciduntolum_63, Tres_62, West99_62,

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

-

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

- Allegro_62, Ares_62, Bananafish_63, Blocker23_62, FrenchFry_63, Glass_63,

Summary by start number:

Start 1:

- Found in 6 of 22 (27.3%) of genes in pham
- Manual Annotations of this start: 6 of 22
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Allegro_62 (B2), Ares_62 (B2), Bananafish_63 (B2), Blocker23_62 (B2), FrenchFry_63 (B2), Glass_63 (B2),

Start 2:

- Found in 16 of 22 (72.7%) of genes in pham
- Manual Annotations of this start: 16 of 22
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Boyle_62 (B2), Brownie5_62 (B2), Coffee_62 (B2), Eaglehorse_62 (B2), Godines_63 (B2), Hedgerow_62 (B2), Kheth_62 (B2), Lephleur_62 (B2), LizLemon_62 (B2), Opia_63 (B2), Rhinoforte_62 (B2), Rosebush_61 (B2), Sabella_62 (B2), Tinciduntolum_63 (B2), Tres_62 (B2), West99_62 (B2),

Summary by clusters:

There is one cluster represented in this pham: B2

Info for manual annotations of cluster B2:

- Start number 1 was manually annotated 6 times for cluster B2.
- Start number 2 was manually annotated 16 times for cluster B2.

Gene Information:

Gene: Allegro_62 Start: 54483, Stop: 54764, Start Num: 1

Candidate Starts for Allegro_62:

(Start: 1 @54483 has 6 MA's), (4, 54552), (6, 54564), (7, 54585), (8, 54588), (9, 54603), (10, 54609), (11, 54612), (12, 54657),

Gene: Ares_62 Start: 54561, Stop: 54842, Start Num: 1

Candidate Starts for Ares_62:

(Start: 1 @54561 has 6 MA's), (6, 54642), (7, 54663), (8, 54666), (9, 54681), (10, 54687), (11, 54690), (12, 54735),

Gene: Bananafish_63 Start: 54491, Stop: 54772, Start Num: 1

Candidate Starts for Bananafish_63:

(Start: 1 @54491 has 6 MA's), (4, 54560), (6, 54572), (7, 54593), (8, 54596), (9, 54611), (10, 54617), (11, 54620), (12, 54665),

Gene: Blocker23_62 Start: 54558, Stop: 54839, Start Num: 1

Candidate Starts for Blocker23_62:

(Start: 1 @54558 has 6 MA's), (6, 54639), (7, 54660), (8, 54663), (9, 54678), (10, 54684), (11, 54687), (12, 54732),

Gene: Boyle_62 Start: 54611, Stop: 54880, Start Num: 2

Candidate Starts for Boyle_62:

(Start: 2 @54611 has 16 MA's), (3, 54668), (6, 54680), (7, 54701), (8, 54704), (9, 54719), (10, 54725), (11, 54728), (12, 54773),

Gene: Brownie5_62 Start: 54613, Stop: 54882, Start Num: 2

Candidate Starts for Brownie5_62:

(Start: 2 @54613 has 16 MA's), (3, 54670), (6, 54682), (7, 54703), (8, 54706), (9, 54721), (10, 54727), (11, 54730), (12, 54775),

Gene: Coffee_62 Start: 54605, Stop: 54874, Start Num: 2

Candidate Starts for Coffee_62:

(Start: 2 @54605 has 16 MA's), (3, 54662), (6, 54674), (7, 54695), (8, 54698), (9, 54713), (10, 54719), (11, 54722), (12, 54767),

Gene: Eaglehorse_62 Start: 54491, Stop: 54760, Start Num: 2

Candidate Starts for Eaglehorse_62:

(Start: 2 @54491 has 16 MA's), (3, 54548), (6, 54560), (7, 54581), (8, 54584), (9, 54599), (10, 54605), (11, 54608), (12, 54653), (13, 54692),

Gene: FrenchFry_63 Start: 54604, Stop: 54885, Start Num: 1

Candidate Starts for FrenchFry_63:

(Start: 1 @54604 has 6 MA's), (7, 54706), (8, 54709), (9, 54724), (10, 54730), (11, 54733), (12, 54778),

Gene: Glass_63 Start: 54606, Stop: 54887, Start Num: 1

Candidate Starts for Glass_63:

(Start: 1 @54606 has 6 MA's), (4, 54675), (6, 54687), (7, 54708), (8, 54711), (9, 54726), (10, 54732), (11, 54735), (12, 54780),

Gene: Godines_63 Start: 54877, Stop: 55146, Start Num: 2

Candidate Starts for Godines_63:

(Start: 2 @54877 has 16 MA's), (3, 54934), (5, 54946), (7, 54967), (8, 54970), (9, 54985), (10, 54991), (11, 54994), (12, 55039), (13, 55078),

Gene: Hedgerow_62 Start: 54588, Stop: 54857, Start Num: 2

Candidate Starts for Hedgerow_62:

(Start: 2 @54588 has 16 MA's), (3, 54645), (6, 54657), (7, 54678), (8, 54681), (9, 54696), (10, 54702), (11, 54705), (12, 54750),

Gene: Kheth_62 Start: 54535, Stop: 54804, Start Num: 2

Candidate Starts for Kheth_62:

(Start: 2 @54535 has 16 MA's), (3, 54592), (6, 54604), (7, 54625), (8, 54628), (9, 54643), (10, 54649), (11, 54652), (12, 54697),

Gene: Lephleur_62 Start: 54461, Stop: 54730, Start Num: 2

Candidate Starts for Lephleur_62:

(Start: 2 @54461 has 16 MA's), (3, 54518), (6, 54530), (7, 54551), (8, 54554), (9, 54569), (10, 54575), (11, 54578), (12, 54623),

Gene: LizLemon_62 Start: 54623, Stop: 54892, Start Num: 2

Candidate Starts for LizLemon_62:

(Start: 2 @54623 has 16 MA's), (3, 54680), (6, 54692), (7, 54713), (8, 54716), (9, 54731), (10, 54737), (11, 54740), (12, 54785),

Gene: Opia_63 Start: 54513, Stop: 54782, Start Num: 2

Candidate Starts for Opia_63:

(Start: 2 @54513 has 16 MA's), (3, 54570), (6, 54582), (7, 54603), (8, 54606), (9, 54621), (10, 54627), (11, 54630), (12, 54675),

Gene: Rhinoforte_62 Start: 54546, Stop: 54815, Start Num: 2

Candidate Starts for Rhinoforte_62:

(Start: 2 @54546 has 16 MA's), (3, 54603), (6, 54615), (7, 54636), (8, 54639), (9, 54654), (10, 54660), (11, 54663), (12, 54708),

Gene: Rosebush_61 Start: 54609, Stop: 54878, Start Num: 2

Candidate Starts for Rosebush_61:

(Start: 2 @54609 has 16 MA's), (3, 54666), (6, 54678), (7, 54699), (8, 54702), (9, 54717), (10, 54723), (11, 54726), (12, 54771),

Gene: Sabella_62 Start: 54445, Stop: 54714, Start Num: 2

Candidate Starts for Sabella_62:

(Start: 2 @54445 has 16 MA's), (5, 54514), (7, 54535), (8, 54538), (9, 54553), (10, 54559), (11, 54562), (12, 54607),

Gene: Tinciduntolum_63 Start: 54612, Stop: 54881, Start Num: 2

Candidate Starts for Tinciduntolum_63:

(Start: 2 @54612 has 16 MA's), (3, 54669), (6, 54681), (7, 54702), (8, 54705), (9, 54720), (10, 54726), (11, 54729), (12, 54774),

Gene: Tres_62 Start: 54466, Stop: 54735, Start Num: 2

Candidate Starts for Tres_62:

(Start: 2 @54466 has 16 MA's), (3, 54523), (6, 54535), (7, 54556), (8, 54559), (9, 54574), (10, 54580), (11, 54583), (12, 54628), (13, 54667),

Gene: West99_62 Start: 54639, Stop: 54908, Start Num: 2

Candidate Starts for West99_62:

(Start: 2 @54639 has 16 MA's), (5, 54708), (7, 54729), (8, 54732), (9, 54747), (10, 54753), (11, 54756), (12, 54801),