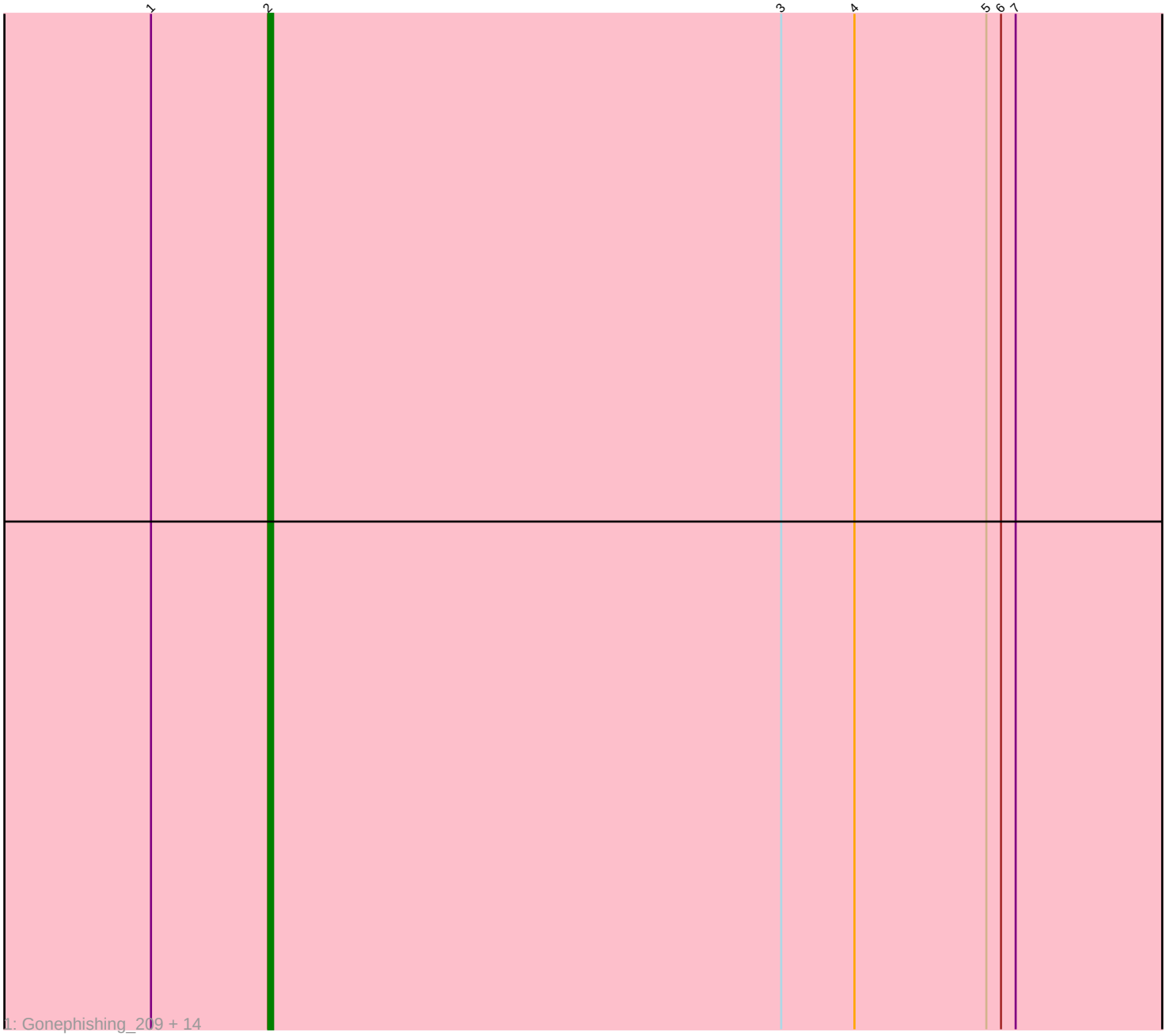
Pham 4747



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 4747 Report

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

Pham number 4747 has 15 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Gonephishing_209, Yeet_203, Ariel_219, Ejimix_201, Halley_213, Courthouse_216, Superphikiman_212, Hughesyang_210, Constella_204, Klein_218, LittleE_213, Duke13_212, Hannaconda_204, Kalah2_213, Wanda_210

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 14 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Ariel_219, Constella_204, Courthouse_216, Duke13_212, Ejimix_201, Gonephishing_209, Halley_213, Hannaconda_204, Hughesyang_210, Kalah2_213, Klein_218, LittleE_213, Superphikiman_212, Wanda_210, Yeet_203,

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 2:
• Found in 15 of 15 (100.0%) of genes in pham
• Manual Annotations of this start: 14 of 14
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Ariel_219 (J), Constella_204 (J), Courthouse_216 (J), Duke13_212 (J), Ejimix_201 (J), Gonephishing_209 (J), Halley_213 (J), Hannaconda_204 (J), Hughesyang_210 (J), Kalah2_213 (J), Klein_218 (J), LittleE_213 (J), Superphikiman_212 (J), Wanda_210 (J), Yeet_203 (J),

Summary by clusters:

There is one cluster represented in this pham: J

Info for manual annotations of cluster J:
•Start number 2 was manually annotated 14 times for cluster J.

Gene Information:

Gene: Ariel_219 Start: 102410, Stop: 102216, Start Num: 2
Candidate Starts for Ariel_219:
(1, 102434), (Start: 2 @102410 has 14 MA's), (3, 102305), (4, 102290), (5, 102263), (6, 102260), (7, 102257),

Gene: Constella_204 Start: 103447, Stop: 103253, Start Num: 2
Candidate Starts for Constella_204:
(1, 103471), (Start: 2 @103447 has 14 MA's), (3, 103342), (4, 103327), (5, 103300), (6, 103297), (7, 103294),

Gene: Courthouse_216 Start: 103270, Stop: 103076, Start Num: 2
Candidate Starts for Courthouse_216:
(1, 103294), (Start: 2 @103270 has 14 MA's), (3, 103165), (4, 103150), (5, 103123), (6, 103120), (7, 103117),

Gene: Duke13_212 Start: 103900, Stop: 103706, Start Num: 2
Candidate Starts for Duke13_212:
(1, 103924), (Start: 2 @103900 has 14 MA's), (3, 103795), (4, 103780), (5, 103753), (6, 103750), (7, 103747),

Gene: Ejimix_201 Start: 102857, Stop: 102663, Start Num: 2
Candidate Starts for Ejimix_201:
(1, 102881), (Start: 2 @102857 has 14 MA's), (3, 102752), (4, 102737), (5, 102710), (6, 102707), (7, 102704),

Gene: Gonephishing_209 Start: 102887, Stop: 102693, Start Num: 2
Candidate Starts for Gonephishing_209:
(1, 102911), (Start: 2 @102887 has 14 MA's), (3, 102782), (4, 102767), (5, 102740), (6, 102737), (7, 102734),

Gene: Halley_213 Start: 103470, Stop: 103276, Start Num: 2
Candidate Starts for Halley_213:
(1, 103494), (Start: 2 @103470 has 14 MA's), (3, 103365), (4, 103350), (5, 103323), (6, 103320), (7, 103317),

Gene: Hannaconda_204 Start: 103715, Stop: 103521, Start Num: 2
Candidate Starts for Hannaconda_204:
(1, 103739), (Start: 2 @103715 has 14 MA's), (3, 103610), (4, 103595), (5, 103568), (6, 103565), (7, 103562),

Gene: Hughesyang_210 Start: 104133, Stop: 103939, Start Num: 2
Candidate Starts for Hughesyang_210:
(1, 104157), (Start: 2 @104133 has 14 MA's), (3, 104028), (4, 104013), (5, 103986), (6, 103983), (7, 103980),

Gene: Kalah2_213 Start: 106020, Stop: 105826, Start Num: 2
Candidate Starts for Kalah2_213:
(1, 106044), (Start: 2 @106020 has 14 MA's), (3, 105915), (4, 105900), (5, 105873), (6, 105870), (7, 105867),

Gene: Klein_218 Start: 104028, Stop: 103834, Start Num: 2
Candidate Starts for Klein_218:
(1, 104052), (Start: 2 @104028 has 14 MA's), (3, 103923), (4, 103908), (5, 103881), (6, 103878), (7, 103875),

Gene: LittleE_213 Start: 104210, Stop: 104016, Start Num: 2
Candidate Starts for LittleE_213:
(1, 104234), (Start: 2 @104210 has 14 MA's), (3, 104105), (4, 104090), (5, 104063), (6, 104060), (7, 104057),

Gene: Superphikiman_212 Start: 102231, Stop: 102037, Start Num: 2
Candidate Starts for Superphikiman_212:
(1, 102255), (Start: 2 @102231 has 14 MA's), (3, 102126), (4, 102111), (5, 102084), (6, 102081), (7, 102078),

Gene: Wanda_210 Start: 101658, Stop: 101464, Start Num: 2
Candidate Starts for Wanda_210:
(1, 101682), (Start: 2 @101658 has 14 MA's), (3, 101553), (4, 101538), (5, 101511), (6, 101508), (7, 101505),

Gene: Yeet_203 Start: 102493, Stop: 102299, Start Num: 2
Candidate Starts for Yeet_203:
(1, 102517), (Start: 2 @102493 has 14 MA's), (3, 102388), (4, 102373), (5, 102346), (6, 102343), (7, 102340),