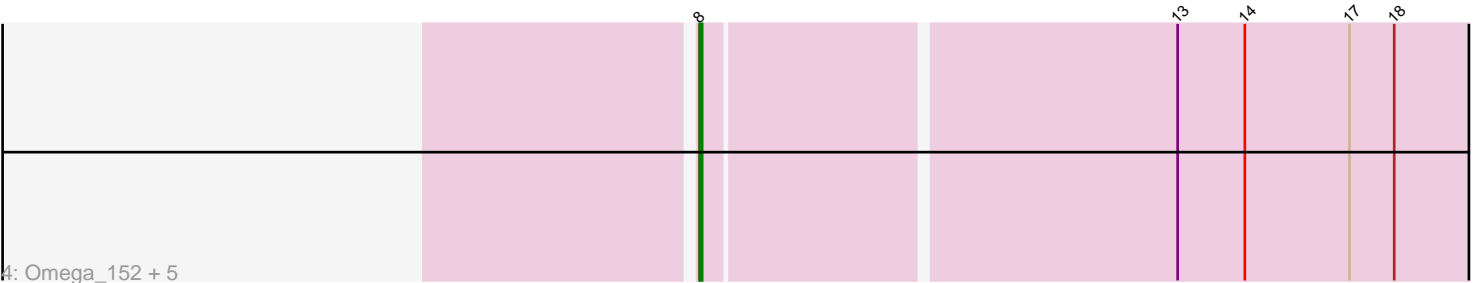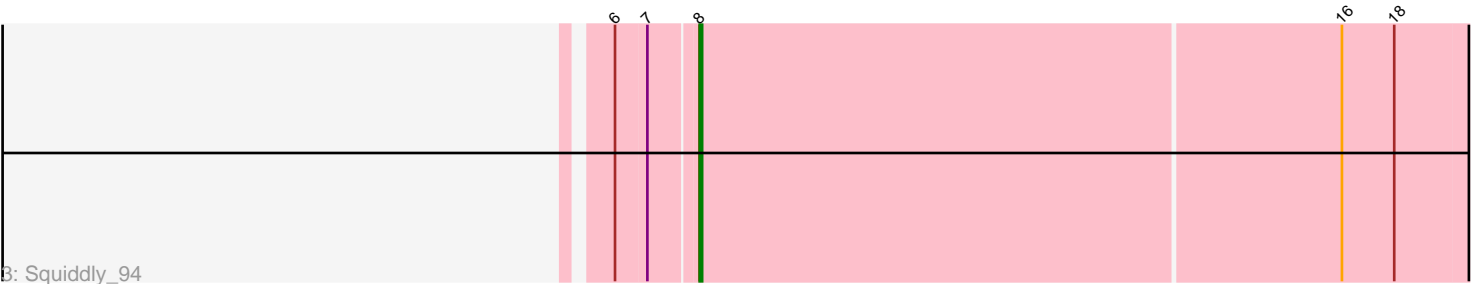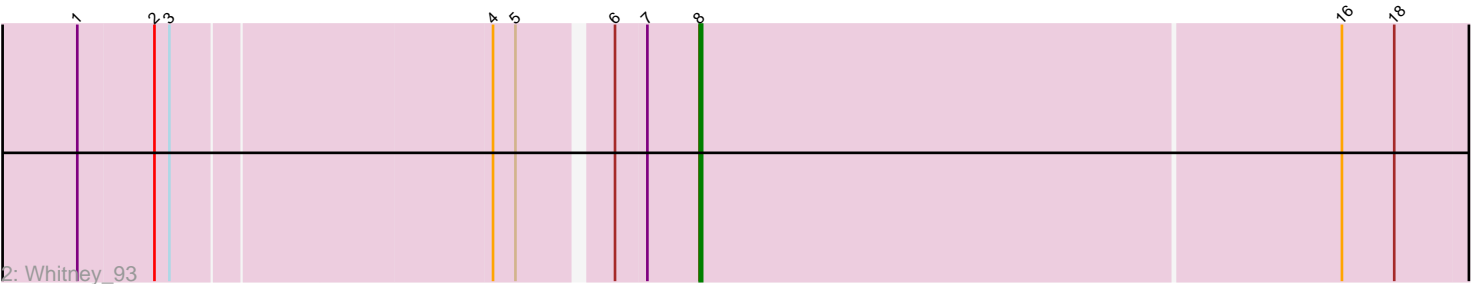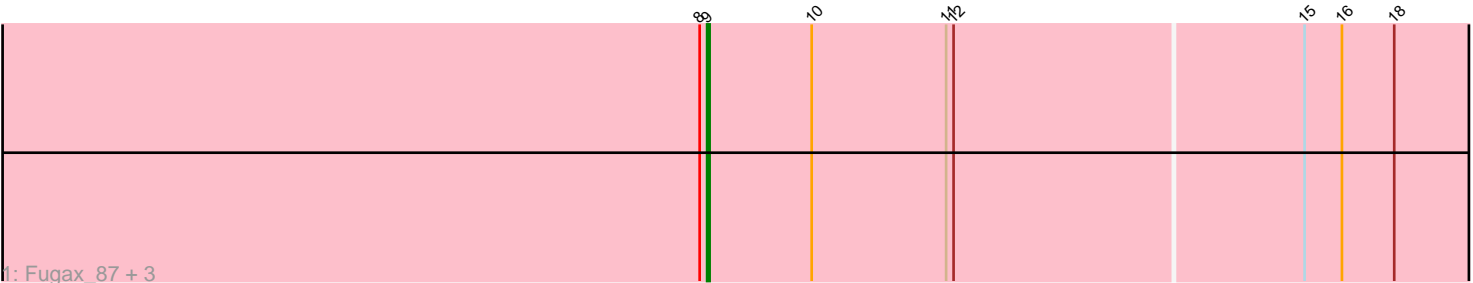# Pham 87182

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 87182 Report

This analysis was run 04/05/24 on database version 557.

Pham number 87182 has 13 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Fugax_87, ClamChowder_86, Danyall_84, Barb_87
• Track 2 : Whitney_93
• Track 3 : Squiddly_94
• Track 4 : Omega_152, Courthouse_140, Hannaconda_138, Squint_139, Ariel_144, Superphikiman_142
• Track 5 : LittleE_148

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

The start number called the most often in the published annotations is 8, it was called in 9 of the 13 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Ariel_144, Courthouse_140, Hannaconda_138, LittleE_148, Omega_152, Squiddly_94, Squint_139, Superphikiman_142, Whitney_93,

Genes that have the "Most Annotated" start but do not call it:
• Barb_87, ClamChowder_86, Danyall_84, Fugax_87,

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

Summary by start number:

Start 8:
• Found in 13 of 13 (100.0%) of genes in pham
• Manual Annotations of this start: 9 of 13
• Called 69.2% of time when present
• Phage (with cluster) where this start called: Ariel_144 (J), Courthouse_140 (J), Hannaconda_138 (J), LittleE_148 (J), Omega_152 (J), Squiddly_94 (DN2), Squint_139 (J), Superphikiman_142 (J), Whitney_93 (DN1),

Start 9:
• Found in 4 of 13 (30.8%) of genes in pham

• Manual Annotations of this start: 4 of 13
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Barb_87 (DC1), ClamChowder_86 (DC1), Danyall_84 (DC1), Fugax_87 (DC1),

Summary by clusters:

There are 4 clusters represented in this pham: DN2, J, DN1, DC1,

Info for manual annotations of cluster DC1:
•Start number 9 was manually annotated 4 times for cluster DC1.

Info for manual annotations of cluster DN1:
•Start number 8 was manually annotated 1 time for cluster DN1.

Info for manual annotations of cluster DN2:
•Start number 8 was manually annotated 1 time for cluster DN2.

Info for manual annotations of cluster J:
•Start number 8 was manually annotated 7 times for cluster J.

Gene Information:
Gene: Ariel_144 Start: 73552, Stop: 73857, Start Num: 8
Candidate Starts for Ariel_144:
(Start: 8 @73552 has 9 MA's), (13, 73735), (14, 73762), (17, 73804), (18, 73822),

Gene: Barb_87 Start: 55893, Stop: 55591, Start Num: 9
Candidate Starts for Barb_87:
(Start: 8 @55896 has 9 MA's), (Start: 9 @55893 has 4 MA's), (10, 55851), (11, 55797), (12, 55794), (15, 55656), (16, 55641), (18, 55620),

Gene: ClamChowder_86 Start: 55893, Stop: 55591, Start Num: 9
Candidate Starts for ClamChowder_86:
(Start: 8 @55896 has 9 MA's), (Start: 9 @55893 has 4 MA's), (10, 55851), (11, 55797), (12, 55794), (15, 55656), (16, 55641), (18, 55620),

Gene: Courthouse_140 Start: 73410, Stop: 73715, Start Num: 8
Candidate Starts for Courthouse_140:
(Start: 8 @73410 has 9 MA's), (13, 73593), (14, 73620), (17, 73662), (18, 73680),

Gene: Danyall_84 Start: 55074, Stop: 54772, Start Num: 9
Candidate Starts for Danyall_84:
(Start: 8 @55077 has 9 MA's), (Start: 9 @55074 has 4 MA's), (10, 55032), (11, 54978), (12, 54975), (15, 54837), (16, 54822), (18, 54801),

Gene: Fugax_87 Start: 55885, Stop: 55583, Start Num: 9
Candidate Starts for Fugax_87:
(Start: 8 @55888 has 9 MA's), (Start: 9 @55885 has 4 MA's), (10, 55843), (11, 55789), (12, 55786), (15, 55648), (16, 55633), (18, 55612),

Gene: Hannaconda_138 Start: 74159, Stop: 74464, Start Num: 8
Candidate Starts for Hannaconda_138:
(Start: 8 @74159 has 9 MA's), (13, 74342), (14, 74369), (17, 74411), (18, 74429),

Gene: LittleE_148 Start: 76801, Stop: 77106, Start Num: 8
Candidate Starts for LittleE_148:
(Start: 8 @76801 has 9 MA's), (13, 76984), (14, 77011), (17, 77053), (18, 77071),

Gene: Omega_152 Start: 77879, Stop: 78184, Start Num: 8
Candidate Starts for Omega_152:
(Start: 8 @77879 has 9 MA's), (13, 78062), (14, 78089), (17, 78131), (18, 78149),

Gene: Squiddly_94 Start: 54160, Stop: 54468, Start Num: 8
Candidate Starts for Squiddly_94:
(6, 54130), (7, 54142), (Start: 8 @54160 has 9 MA's), (16, 54415), (18, 54436),

Gene: Squint_139 Start: 73950, Stop: 74255, Start Num: 8
Candidate Starts for Squint_139:
(Start: 8 @73950 has 9 MA's), (13, 74133), (14, 74160), (17, 74202), (18, 74220),

Gene: Superphikiman_142 Start: 73692, Stop: 73997, Start Num: 8
Candidate Starts for Superphikiman_142:
(Start: 8 @73692 has 9 MA's), (13, 73875), (14, 73902), (17, 73944), (18, 73962),

Gene: Whitney_93 Start: 52482, Stop: 52790, Start Num: 8
Candidate Starts for Whitney_93:
(1, 52248), (2, 52278), (3, 52284), (4, 52407), (5, 52416), (6, 52449), (7, 52461), (Start: 8 @52482 has 9 MA's), (16, 52737), (18, 52758),