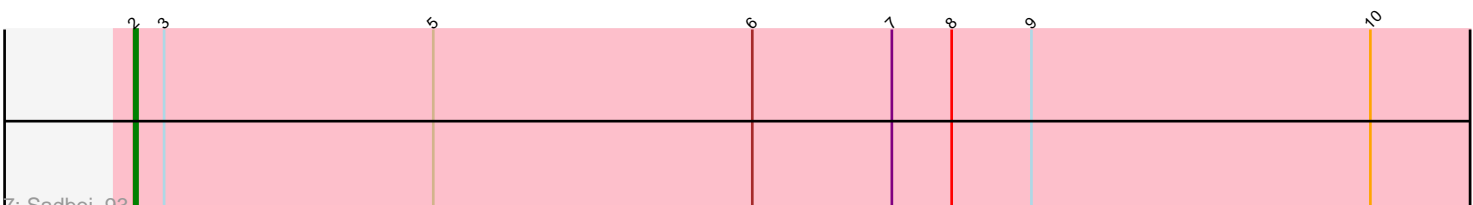
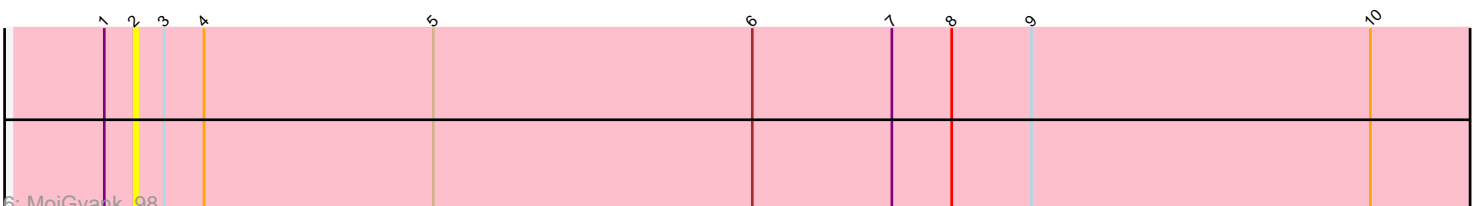
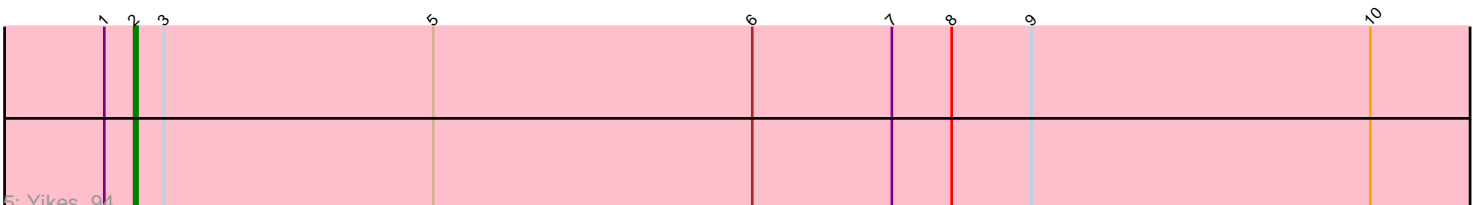
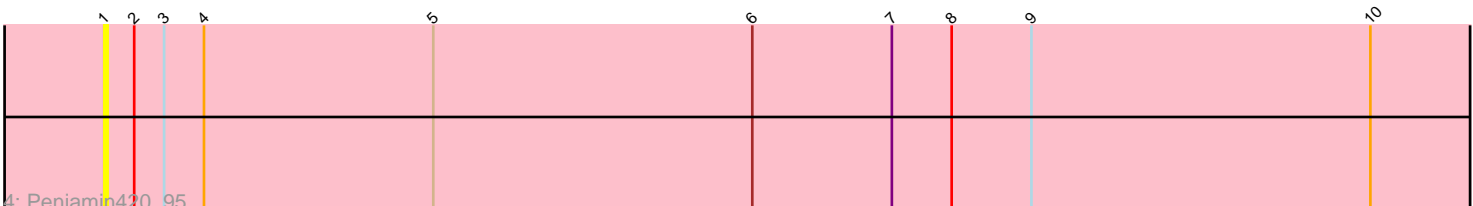
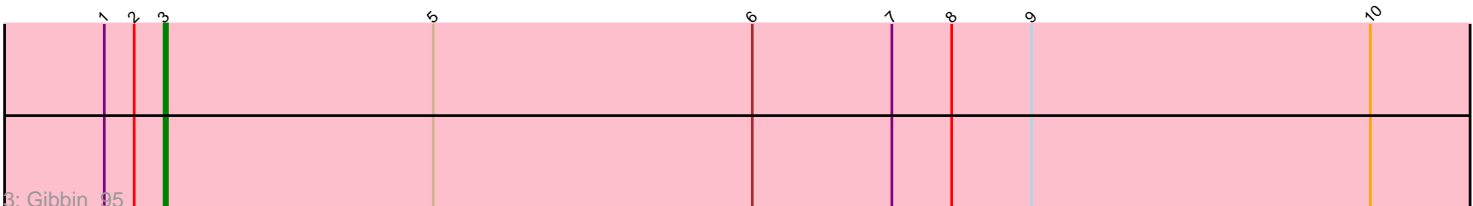
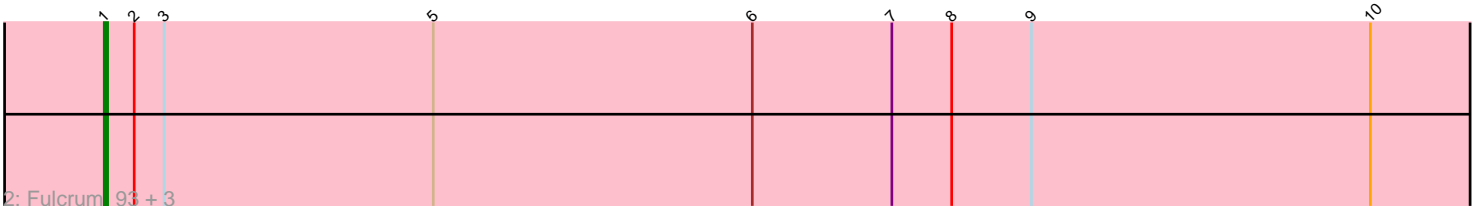
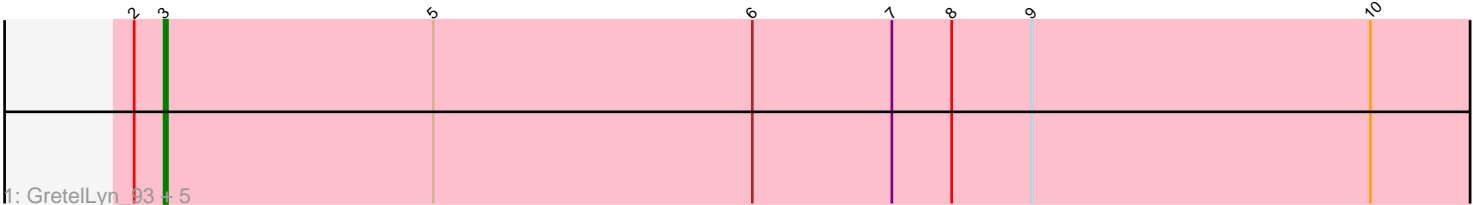


Pham 87221



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 87221 Report

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

Pham number 87221 has 15 members, 3 are drafts.

Phages represented in each track:

- Track 1 : GretellYn_93, DoobyDoo_91, Zany_92, Jalebi_93, OtterstedtS21_94, Sampudon_95
- Track 2 : Fulcrum_93, GOATification_93, Patos_98, NorManre_98
- Track 3 : Gibbin_95
- Track 4 : Benjamin420_95
- Track 5 : Yikes_94
- Track 6 : MoiGyank_98
- Track 7 : Sadboi_93

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

The start number called the most often in the published annotations is 3, it was called in 6 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- DoobyDoo_91, Gibbin_95, GretellYn_93, Jalebi_93, OtterstedtS21_94, Sampudon_95, Zany_92,

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

- Fulcrum_93, GOATification_93, MoiGyank_98, NorManre_98, Patos_98, Benjamin420_95, Sadboi_93, Yikes_94,

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

-

Summary by start number:

Start 1:

- Found in 8 of 15 (53.3%) of genes in pham
- Manual Annotations of this start: 4 of 12
- Called 62.5% of time when present
- Phage (with cluster) where this start called: Fulcrum_93 (DV), GOATification_93 (DV), NorManre_98 (DV), Patos_98 (DV), Benjamin420_95 (DV),

Start 2:

- Found in 15 of 15 (100.0%) of genes in pham
- Manual Annotations of this start: 2 of 12
- Called 20.0% of time when present
- Phage (with cluster) where this start called: MoiGyank_98 (DV), Sadboi_93 (DV), Yikes_94 (DV),

Start 3:

- Found in 15 of 15 (100.0%) of genes in pham
- Manual Annotations of this start: 6 of 12
- Called 46.7% of time when present
- Phage (with cluster) where this start called: DoobyDoo_91 (DV), Gibbin_95 (DV), Gretellyn_93 (DV), Jalebi_93 (DV), OtterstedtS21_94 (DV), Sampudon_95 (DV), Zany_92 (DV),

Summary by clusters:

There is one cluster represented in this pham: DV

Info for manual annotations of cluster DV:

- Start number 1 was manually annotated 4 times for cluster DV.
- Start number 2 was manually annotated 2 times for cluster DV.
- Start number 3 was manually annotated 6 times for cluster DV.

Gene Information:

Gene: DoobyDoo_91 Start: 63470, Stop: 63934, Start Num: 3

Candidate Starts for DoobyDoo_91:

(Start: 2 @63461 has 2 MA's), (Start: 3 @63470 has 6 MA's), (5, 63551), (6, 63647), (7, 63689), (8, 63707), (9, 63731), (10, 63833),

Gene: Fulcrum_93 Start: 64660, Stop: 65142, Start Num: 1

Candidate Starts for Fulcrum_93:

(Start: 1 @64660 has 4 MA's), (Start: 2 @64669 has 2 MA's), (Start: 3 @64678 has 6 MA's), (5, 64759), (6, 64855), (7, 64897), (8, 64915), (9, 64939), (10, 65041),

Gene: GOATification_93 Start: 64660, Stop: 65142, Start Num: 1

Candidate Starts for GOATification_93:

(Start: 1 @64660 has 4 MA's), (Start: 2 @64669 has 2 MA's), (Start: 3 @64678 has 6 MA's), (5, 64759), (6, 64855), (7, 64897), (8, 64915), (9, 64939), (10, 65041),

Gene: Gibbin_95 Start: 64855, Stop: 65319, Start Num: 3

Candidate Starts for Gibbin_95:

(Start: 1 @64837 has 4 MA's), (Start: 2 @64846 has 2 MA's), (Start: 3 @64855 has 6 MA's), (5, 64936), (6, 65032), (7, 65074), (8, 65092), (9, 65116), (10, 65218),

Gene: Gretellyn_93 Start: 64682, Stop: 65146, Start Num: 3

Candidate Starts for Gretellyn_93:

(Start: 2 @64673 has 2 MA's), (Start: 3 @64682 has 6 MA's), (5, 64763), (6, 64859), (7, 64901), (8, 64919), (9, 64943), (10, 65045),

Gene: Jalebi_93 Start: 65623, Stop: 66087, Start Num: 3

Candidate Starts for Jalebi_93:

(Start: 2 @65614 has 2 MA's), (Start: 3 @65623 has 6 MA's), (5, 65704), (6, 65800), (7, 65842), (8, 65860), (9, 65884), (10, 65986),

Gene: MoiGyank_98 Start: 64927, Stop: 65400, Start Num: 2

Candidate Starts for MoiGyank_98:

(Start: 1 @64918 has 4 MA's), (Start: 2 @64927 has 2 MA's), (Start: 3 @64936 has 6 MA's), (4, 64948), (5, 65017), (6, 65113), (7, 65155), (8, 65173), (9, 65197), (10, 65299),

Gene: NorManre_98 Start: 65936, Stop: 66418, Start Num: 1

Candidate Starts for NorManre_98:

(Start: 1 @65936 has 4 MA's), (Start: 2 @65945 has 2 MA's), (Start: 3 @65954 has 6 MA's), (5, 66035), (6, 66131), (7, 66173), (8, 66191), (9, 66215), (10, 66317),

Gene: OtterstedtS21_94 Start: 64766, Stop: 65230, Start Num: 3

Candidate Starts for OtterstedtS21_94:

(Start: 2 @64757 has 2 MA's), (Start: 3 @64766 has 6 MA's), (5, 64847), (6, 64943), (7, 64985), (8, 65003), (9, 65027), (10, 65129),

Gene: Patos_98 Start: 65935, Stop: 66417, Start Num: 1

Candidate Starts for Patos_98:

(Start: 1 @65935 has 4 MA's), (Start: 2 @65944 has 2 MA's), (Start: 3 @65953 has 6 MA's), (5, 66034), (6, 66130), (7, 66172), (8, 66190), (9, 66214), (10, 66316),

Gene: Penjamin420_95 Start: 64667, Stop: 65149, Start Num: 1

Candidate Starts for Penjamin420_95:

(Start: 1 @64667 has 4 MA's), (Start: 2 @64676 has 2 MA's), (Start: 3 @64685 has 6 MA's), (4, 64697), (5, 64766), (6, 64862), (7, 64904), (8, 64922), (9, 64946), (10, 65048),

Gene: Sadboi_93 Start: 64553, Stop: 65026, Start Num: 2

Candidate Starts for Sadboi_93:

(Start: 2 @64553 has 2 MA's), (Start: 3 @64562 has 6 MA's), (5, 64643), (6, 64739), (7, 64781), (8, 64799), (9, 64823), (10, 64925),

Gene: Sampudon_95 Start: 65622, Stop: 66086, Start Num: 3

Candidate Starts for Sampudon_95:

(Start: 2 @65613 has 2 MA's), (Start: 3 @65622 has 6 MA's), (5, 65703), (6, 65799), (7, 65841), (8, 65859), (9, 65883), (10, 65985),

Gene: Yikes_94 Start: 65217, Stop: 65690, Start Num: 2

Candidate Starts for Yikes_94:

(Start: 1 @65208 has 4 MA's), (Start: 2 @65217 has 2 MA's), (Start: 3 @65226 has 6 MA's), (5, 65307), (6, 65403), (7, 65445), (8, 65463), (9, 65487), (10, 65589),

Gene: Zany_92 Start: 65366, Stop: 65830, Start Num: 3

Candidate Starts for Zany_92:

(Start: 2 @65357 has 2 MA's), (Start: 3 @65366 has 6 MA's), (5, 65447), (6, 65543), (7, 65585), (8, 65603), (9, 65627), (10, 65729),