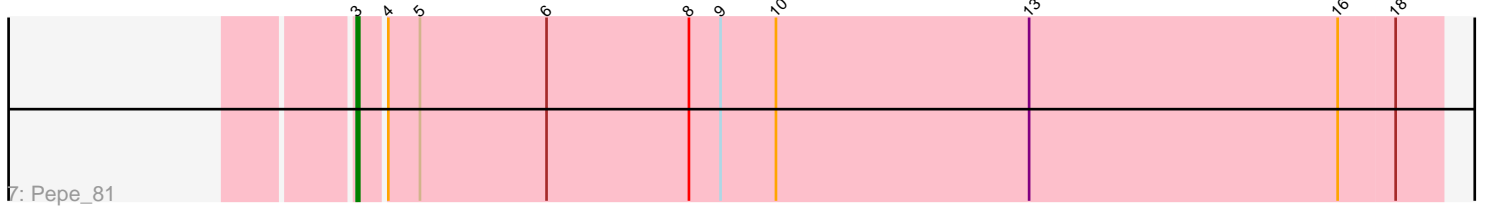
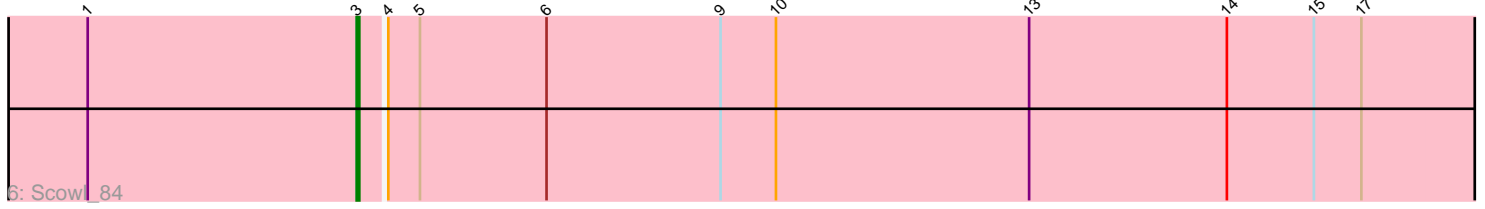
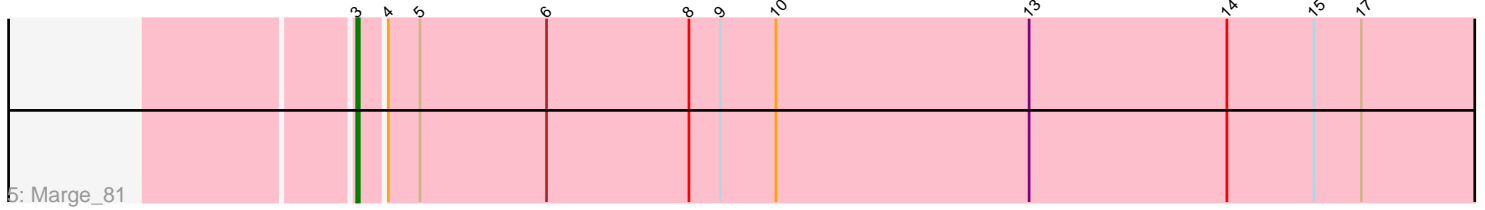
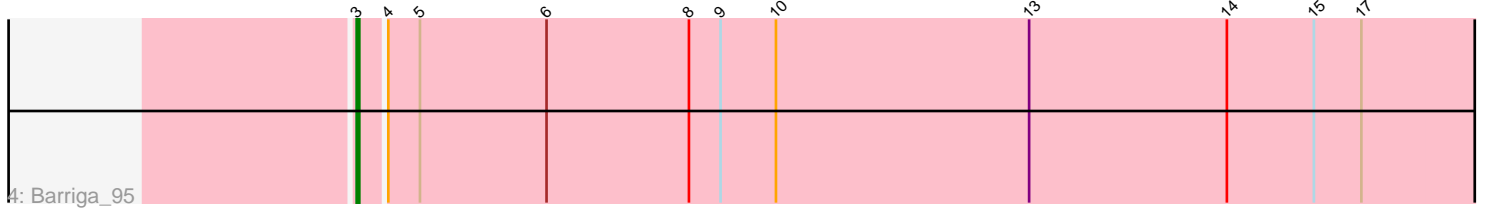
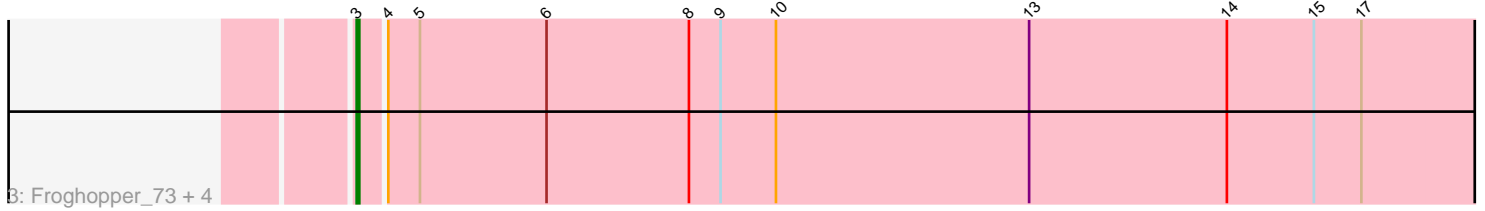
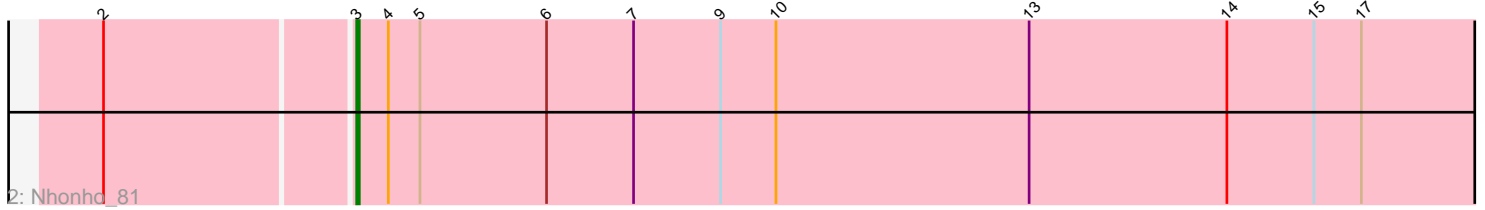
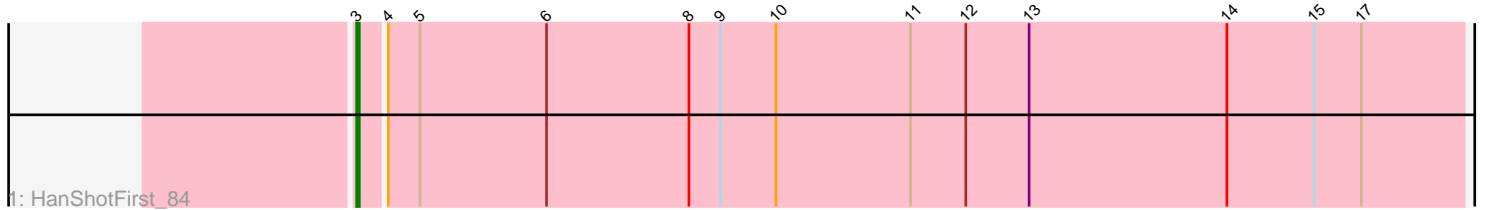


# Pham 5693



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 5693 Report

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

Pham number 5693 has 11 members, 0 are drafts.

Phages represented in each track:

- Track 1 : HanShotFirst\_84
- Track 2 : Nhonho\_81
- Track 3 : FrogHopper\_73, PascalRango\_86, Makemake\_88, Sibs6\_90, Bones\_80
- Track 4 : Barriga\_95
- Track 5 : Marge\_81
- Track 6 : Scowl\_84
- Track 7 : Pepe\_81

### ***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 11 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Barriga\_95, Bones\_80, FrogHopper\_73, HanShotFirst\_84, Makemake\_88, Marge\_81, Nhonho\_81, PascalRango\_86, Pepe\_81, Scowl\_84, Sibs6\_90,

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 3:

- Found in 11 of 11 ( 100.0% ) of genes in pham
- Manual Annotations of this start: 11 of 11
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Barriga\_95 (A1), Bones\_80 (A1), FrogHopper\_73 (A1), HanShotFirst\_84 (A1), Makemake\_88 (A1), Marge\_81 (A1), Nhonho\_81 (A1), PascalRango\_86 (A1), Pepe\_81 (A1), Scowl\_84 (A1), Sibs6\_90 (A1),

## Summary by clusters:

There is one cluster represented in this pham: A1

Info for manual annotations of cluster A1:

- Start number 3 was manually annotated 11 times for cluster A1.

### **Gene Information:**

Gene: Barriga\_95 Start: 50159, Stop: 49737, Start Num: 3

Candidate Starts for Barriga\_95:

(Start: 3 @50159 has 11 MA's), (4, 50150), (5, 50138), (6, 50090), (8, 50036), (9, 50024), (10, 50003), (13, 49907), (14, 49832), (15, 49799), (17, 49781),

Gene: Bones\_80 Start: 49268, Stop: 48846, Start Num: 3

Candidate Starts for Bones\_80:

(Start: 3 @49268 has 11 MA's), (4, 49259), (5, 49247), (6, 49199), (8, 49145), (9, 49133), (10, 49112), (13, 49016), (14, 48941), (15, 48908), (17, 48890),

Gene: Froghopper\_73 Start: 45560, Stop: 45138, Start Num: 3

Candidate Starts for Froghopper\_73:

(Start: 3 @45560 has 11 MA's), (4, 45551), (5, 45539), (6, 45491), (8, 45437), (9, 45425), (10, 45404), (13, 45308), (14, 45233), (15, 45200), (17, 45182),

Gene: HanShotFirst\_84 Start: 49721, Stop: 49305, Start Num: 3

Candidate Starts for HanShotFirst\_84:

(Start: 3 @49721 has 11 MA's), (4, 49712), (5, 49700), (6, 49652), (8, 49598), (9, 49586), (10, 49565), (11, 49514), (12, 49493), (13, 49469), (14, 49394), (15, 49361), (17, 49343),

Gene: Makemake\_88 Start: 50403, Stop: 49981, Start Num: 3

Candidate Starts for Makemake\_88:

(Start: 3 @50403 has 11 MA's), (4, 50394), (5, 50382), (6, 50334), (8, 50280), (9, 50268), (10, 50247), (13, 50151), (14, 50076), (15, 50043), (17, 50025),

Gene: Marge\_81 Start: 47998, Stop: 47576, Start Num: 3

Candidate Starts for Marge\_81:

(Start: 3 @47998 has 11 MA's), (4, 47989), (5, 47977), (6, 47929), (8, 47875), (9, 47863), (10, 47842), (13, 47746), (14, 47671), (15, 47638), (17, 47620),

Gene: Nhonho\_81 Start: 48817, Stop: 48392, Start Num: 3

Candidate Starts for Nhonho\_81:

(2, 48907), (Start: 3 @48817 has 11 MA's), (4, 48805), (5, 48793), (6, 48745), (7, 48712), (9, 48679), (10, 48658), (13, 48562), (14, 48487), (15, 48454), (17, 48436),

Gene: PascalRango\_86 Start: 49990, Stop: 49568, Start Num: 3

Candidate Starts for PascalRango\_86:

(Start: 3 @49990 has 11 MA's), (4, 49981), (5, 49969), (6, 49921), (8, 49867), (9, 49855), (10, 49834), (13, 49738), (14, 49663), (15, 49630), (17, 49612),

Gene: Pepe\_81 Start: 48434, Stop: 48027, Start Num: 3

Candidate Starts for Pepe\_81:

(Start: 3 @48434 has 11 MA's), (4, 48425), (5, 48413), (6, 48365), (8, 48311), (9, 48299), (10, 48278), (13, 48182), (16, 48065), (18, 48044),

Gene: Scowl\_84 Start: 49022, Stop: 48600, Start Num: 3

Candidate Starts for Scowl\_84:

(1, 49124), (Start: 3 @49022 has 11 MA's), (4, 49013), (5, 49001), (6, 48953), (9, 48887), (10, 48866), (13, 48770), (14, 48695), (15, 48662), (17, 48644),

Gene: Sibs6\_90 Start: 48137, Stop: 47715, Start Num: 3

Candidate Starts for Sibs6\_90:

(Start: 3 @48137 has 11 MA's), (4, 48128), (5, 48116), (6, 48068), (8, 48014), (9, 48002), (10, 47981), (13, 47885), (14, 47810), (15, 47777), (17, 47759),