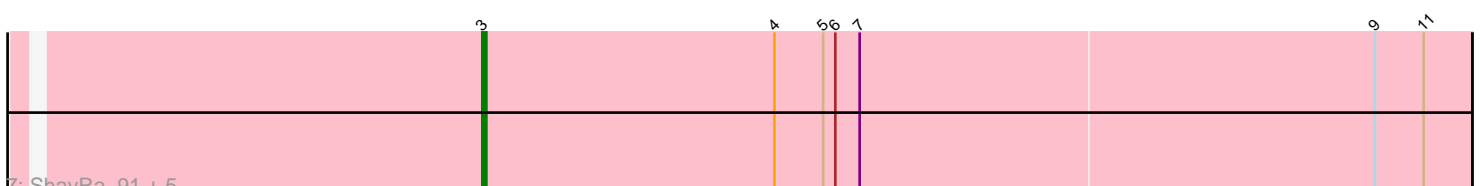
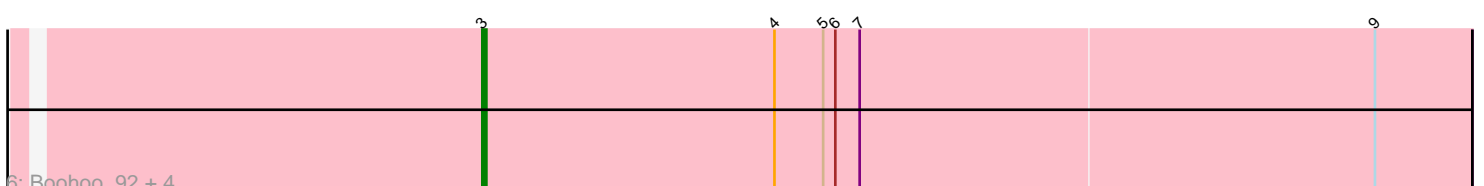
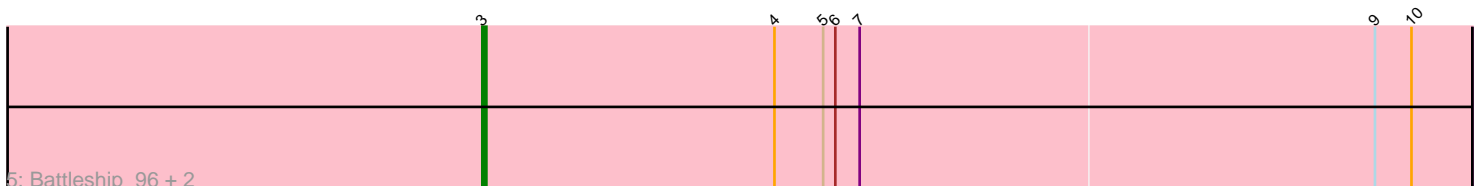
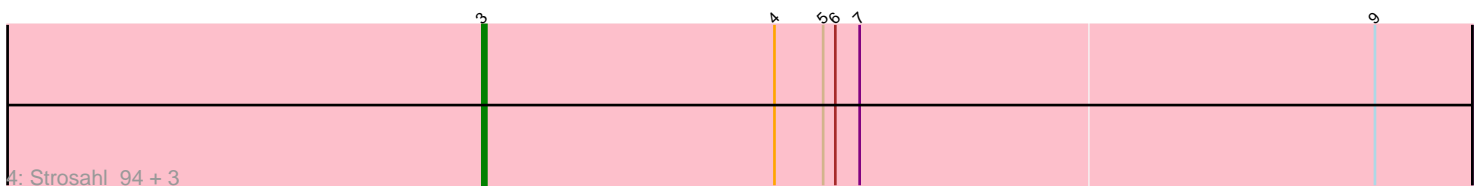
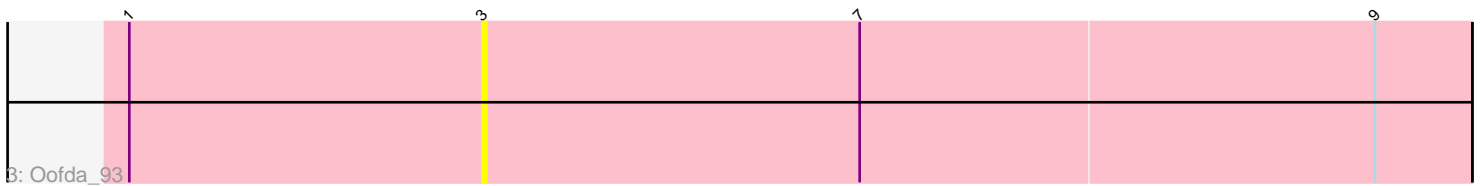
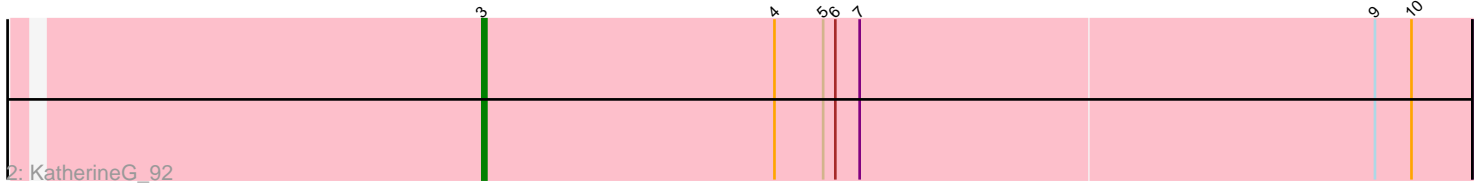
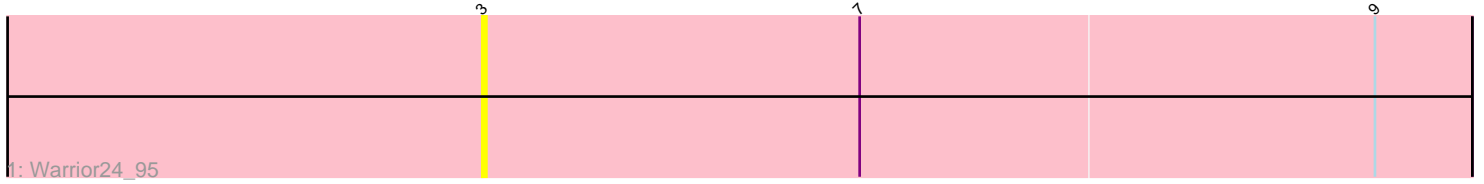


Pham 221764



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 221764 Report

This analysis was run 03/28/25 on database version 593.

Pham number 221764 has 22 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Warrior24\_95
- Track 2 : KatherineG\_92
- Track 3 : Oofda\_93
- Track 4 : Strosahl\_94, JSwag\_94, Remus\_94, Epsocamisio\_91
- Track 5 : Battleship\_96, MinecraftSteve\_94, DekHockey33\_95
- Track 6 : Boohoo\_92, LastResort\_91, Nebulosus\_90, Waits\_93, Anaysia\_93
- Track 7 : ShayRa\_91, Soups\_93, Looper\_90, ReMo\_91, Switzerland\_91, Rosalind\_92
- Track 8 : Nedarya\_91

### ***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 19 of the 20 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Anaysia\_93, Battleship\_96, Boohoo\_92, DekHockey33\_95, Epsocamisio\_91, JSwag\_94, KatherineG\_92, LastResort\_91, Looper\_90, MinecraftSteve\_94, Nebulosus\_90, Oofda\_93, ReMo\_91, Remus\_94, Rosalind\_92, ShayRa\_91, Soups\_93, Strosahl\_94, Switzerland\_91, Waits\_93, Warrior24\_95,

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

- Nedarya\_91,

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

- 

### **Summary by start number:**

Start 2:

- Found in 1 of 22 ( 4.5% ) of genes in pham
- Manual Annotations of this start: 1 of 20
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Nedarya\_91 (A15),

### Start 3:

- Found in 22 of 22 ( 100.0% ) of genes in pham
- Manual Annotations of this start: 19 of 20
- Called 95.5% of time when present
- Phage (with cluster) where this start called: Anaysia\_93 (A15), Battleship\_96 (A15), Boohoo\_92 (A15), DekHockey33\_95 (A15), Epsocamisio\_91 (A15), JSwag\_94 (A15), KatherineG\_92 (A15), LastResort\_91 (A15), Looper\_90 (A15), MinecraftSteve\_94 (A15), Nebulosus\_90 (A15), Oofda\_93 (A15), ReMo\_91 (A15), Remus\_94 (A15), Rosalind\_92 (A15), ShayRa\_91 (A15), Soups\_93 (A15), Strosahl\_94 (A15), Switzerland\_91 (A15), Waits\_93 (A15), Warrior24\_95 (A15),

### Summary by clusters:

There is one cluster represented in this pham: A15

Info for manual annotations of cluster A15:

- Start number 2 was manually annotated 1 time for cluster A15.
- Start number 3 was manually annotated 19 times for cluster A15.

### **Gene Information:**

Gene: Anaysia\_93 Start: 48754, Stop: 48512, Start Num: 3

Candidate Starts for Anaysia\_93:

(Start: 3 @48754 has 19 MA's), (4, 48682), (5, 48670), (6, 48667), (7, 48661), (9, 48535),

Gene: Battleship\_96 Start: 48740, Stop: 48498, Start Num: 3

Candidate Starts for Battleship\_96:

(Start: 3 @48740 has 19 MA's), (4, 48668), (5, 48656), (6, 48653), (7, 48647), (9, 48521), (10, 48512),

Gene: Boohoo\_92 Start: 48071, Stop: 47829, Start Num: 3

Candidate Starts for Boohoo\_92:

(Start: 3 @48071 has 19 MA's), (4, 47999), (5, 47987), (6, 47984), (7, 47978), (9, 47852),

Gene: DekHockey33\_95 Start: 48825, Stop: 48583, Start Num: 3

Candidate Starts for DekHockey33\_95:

(Start: 3 @48825 has 19 MA's), (4, 48753), (5, 48741), (6, 48738), (7, 48732), (9, 48606), (10, 48597),

Gene: Epsocamisio\_91 Start: 48421, Stop: 48179, Start Num: 3

Candidate Starts for Epsocamisio\_91:

(Start: 3 @48421 has 19 MA's), (4, 48349), (5, 48337), (6, 48334), (7, 48328), (9, 48202),

Gene: JSwag\_94 Start: 48269, Stop: 48027, Start Num: 3

Candidate Starts for JSwag\_94:

(Start: 3 @48269 has 19 MA's), (4, 48197), (5, 48185), (6, 48182), (7, 48176), (9, 48050),

Gene: KatherineG\_92 Start: 48409, Stop: 48167, Start Num: 3

Candidate Starts for KatherineG\_92:

(Start: 3 @48409 has 19 MA's), (4, 48337), (5, 48325), (6, 48322), (7, 48316), (9, 48190), (10, 48181),

Gene: LastResort\_91 Start: 48512, Stop: 48270, Start Num: 3

Candidate Starts for LastResort\_91:

(Start: 3 @48512 has 19 MA's), (4, 48440), (5, 48428), (6, 48425), (7, 48419), (9, 48293),

Gene: Looper\_90 Start: 47361, Stop: 47119, Start Num: 3

Candidate Starts for Looper\_90:

(Start: 3 @47361 has 19 MA's), (4, 47289), (5, 47277), (6, 47274), (7, 47268), (9, 47142), (11, 47130),

Gene: MinecraftSteve\_94 Start: 48536, Stop: 48294, Start Num: 3

Candidate Starts for MinecraftSteve\_94:

(Start: 3 @48536 has 19 MA's), (4, 48464), (5, 48452), (6, 48449), (7, 48443), (9, 48317), (10, 48308),

Gene: Nebulosus\_90 Start: 48069, Stop: 47827, Start Num: 3

Candidate Starts for Nebulosus\_90:

(Start: 3 @48069 has 19 MA's), (4, 47997), (5, 47985), (6, 47982), (7, 47976), (9, 47850),

Gene: Nedarya\_91 Start: 48955, Stop: 48707, Start Num: 2

Candidate Starts for Nedarya\_91:

(Start: 2 @48955 has 1 MA's), (Start: 3 @48949 has 19 MA's), (8, 48733), (11, 48718),

Gene: Oofda\_93 Start: 48798, Stop: 48556, Start Num: 3

Candidate Starts for Oofda\_93:

(1, 48885), (Start: 3 @48798 has 19 MA's), (7, 48705), (9, 48579),

Gene: ReMo\_91 Start: 48495, Stop: 48253, Start Num: 3

Candidate Starts for ReMo\_91:

(Start: 3 @48495 has 19 MA's), (4, 48423), (5, 48411), (6, 48408), (7, 48402), (9, 48276), (11, 48264),

Gene: Remus\_94 Start: 48833, Stop: 48591, Start Num: 3

Candidate Starts for Remus\_94:

(Start: 3 @48833 has 19 MA's), (4, 48761), (5, 48749), (6, 48746), (7, 48740), (9, 48614),

Gene: Rosalind\_92 Start: 48173, Stop: 47931, Start Num: 3

Candidate Starts for Rosalind\_92:

(Start: 3 @48173 has 19 MA's), (4, 48101), (5, 48089), (6, 48086), (7, 48080), (9, 47954), (11, 47942),

Gene: ShayRa\_91 Start: 47127, Stop: 46885, Start Num: 3

Candidate Starts for ShayRa\_91:

(Start: 3 @47127 has 19 MA's), (4, 47055), (5, 47043), (6, 47040), (7, 47034), (9, 46908), (11, 46896),

Gene: Soups\_93 Start: 48650, Stop: 48408, Start Num: 3

Candidate Starts for Soups\_93:

(Start: 3 @48650 has 19 MA's), (4, 48578), (5, 48566), (6, 48563), (7, 48557), (9, 48431), (11, 48419),

Gene: Strosahl\_94 Start: 48833, Stop: 48591, Start Num: 3

Candidate Starts for Strosahl\_94:

(Start: 3 @48833 has 19 MA's), (4, 48761), (5, 48749), (6, 48746), (7, 48740), (9, 48614),

Gene: Switzerland\_91 Start: 48096, Stop: 47854, Start Num: 3

Candidate Starts for Switzerland\_91:

(Start: 3 @48096 has 19 MA's), (4, 48024), (5, 48012), (6, 48009), (7, 48003), (9, 47877), (11, 47865),

Gene: Waits\_93 Start: 48464, Stop: 48222, Start Num: 3

Candidate Starts for Waits\_93:

(Start: 3 @48464 has 19 MA's), (4, 48392), (5, 48380), (6, 48377), (7, 48371), (9, 48245),

Gene: Warrior24\_95 Start: 49254, Stop: 49012, Start Num: 3

Candidate Starts for Warrior24\_95:

(Start: 3 @49254 has 19 MA's), (7, 49161), (9, 49035),