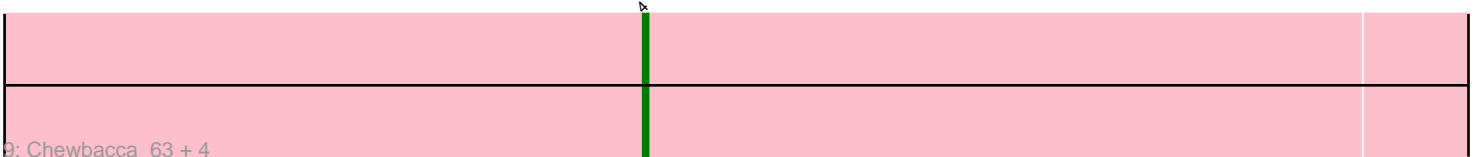
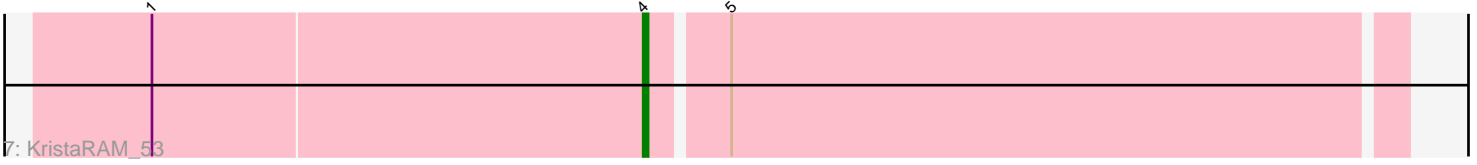
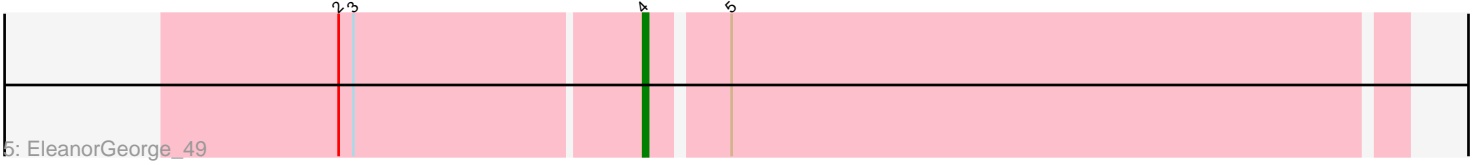
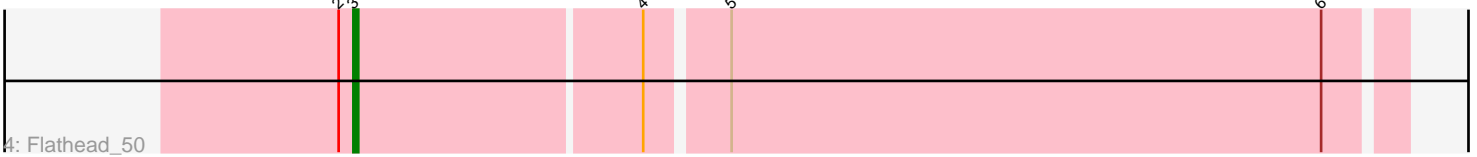
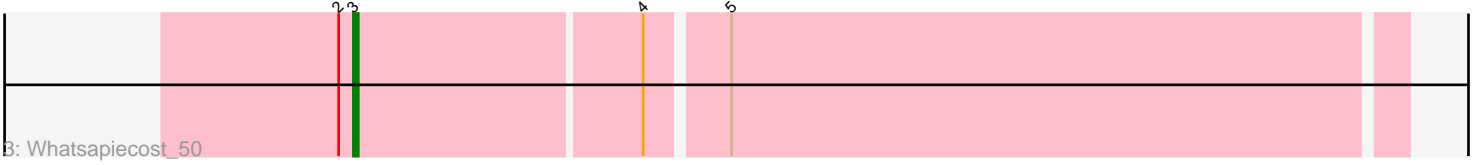
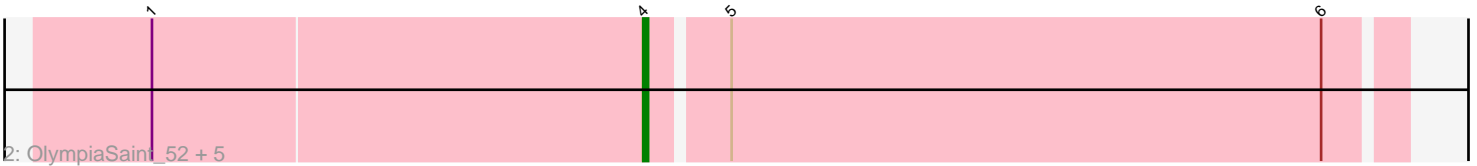


Pham 3953



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 3953 Report

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

Pham number 3953 has 18 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Ogopogo\_54
- Track 2 : OlympiaSaint\_52, Donkeykong\_55, Shauna1\_49, SuperGrey\_54, JalFarm20\_62, Cornie\_45
- Track 3 : Whatsapiecost\_50
- Track 4 : Flathead\_50
- Track 5 : EleanorGeorge\_49
- Track 6 : Pollywog\_52
- Track 7 : KristaRAM\_53
- Track 8 : Squirty\_72
- Track 9 : Chewbacca\_63, FirstPlacePfu\_62, OwlsT2W\_51, Piper2020\_84, Silvafighter\_62

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

The start number called the most often in the published annotations is 4, it was called in 16 of the 18 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Chewbacca\_63, Cornie\_45, Donkeykong\_55, EleanorGeorge\_49, FirstPlacePfu\_62, JalFarm20\_62, KristaRAM\_53, Ogopogo\_54, OlympiaSaint\_52, OwlsT2W\_51, Piper2020\_84, Pollywog\_52, Shauna1\_49, Silvafighter\_62, Squirty\_72, SuperGrey\_54,

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

- Flathead\_50, Whatsapiecost\_50,

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

- 

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

Start 3:

- Found in 3 of 18 ( 16.7% ) of genes in pham
- Manual Annotations of this start: 2 of 18

- Called 66.7% of time when present
- Phage (with cluster) where this start called: Flathead\_50 (F1), Whatsapiecost\_50 (F1),

Start 4:

- Found in 18 of 18 ( 100.0% ) of genes in pham
- Manual Annotations of this start: 16 of 18
- Called 88.9% of time when present
- Phage (with cluster) where this start called: Chewbacca\_63 (N), Cornie\_45 (F5), Donkeykong\_55 (F1), EleanorGeorge\_49 (F1), FirstPlacePfu\_62 (P1), JalFarm20\_62 (F1), KristaRAM\_53 (F1), Ogopogo\_54 (F1), OlympiaSaint\_52 (F1), OwlsT2W\_51 (F1), Piper2020\_84 (F1), Pollywog\_52 (F1), Shauna1\_49 (F1), Silvafighter\_62 (N), Squirty\_72 (F3), SuperGrey\_54 (F1),

### **Summary by clusters:**

There are 5 clusters represented in this pham: F1, P1, F5, F3, N,

Info for manual annotations of cluster F1:

- Start number 3 was manually annotated 2 times for cluster F1.
- Start number 4 was manually annotated 11 times for cluster F1.

Info for manual annotations of cluster F3:

- Start number 4 was manually annotated 1 time for cluster F3.

Info for manual annotations of cluster F5:

- Start number 4 was manually annotated 1 time for cluster F5.

Info for manual annotations of cluster N:

- Start number 4 was manually annotated 2 times for cluster N.

Info for manual annotations of cluster P1:

- Start number 4 was manually annotated 1 time for cluster P1.

### **Gene Information:**

Gene: Chewbacca\_63 Start: 38483, Stop: 38650, Start Num: 4

Candidate Starts for Chewbacca\_63:

(Start: 4 @38483 has 16 MA's),

Gene: Cornie\_45 Start: 35166, Stop: 35315, Start Num: 4

Candidate Starts for Cornie\_45:

(1, 35067), (Start: 4 @35166 has 16 MA's), (5, 35181), (6, 35301),

Gene: Donkeykong\_55 Start: 39777, Stop: 39926, Start Num: 4

Candidate Starts for Donkeykong\_55:

(1, 39678), (Start: 4 @39777 has 16 MA's), (5, 39792), (6, 39912),

Gene: EleanorGeorge\_49 Start: 36345, Stop: 36494, Start Num: 4

Candidate Starts for EleanorGeorge\_49:

(2, 36285), (Start: 3 @36288 has 2 MA's), (Start: 4 @36345 has 16 MA's), (5, 36360),

Gene: FirstPlacePfu\_62 Start: 38388, Stop: 38555, Start Num: 4

Candidate Starts for FirstPlacePfu\_62:

(Start: 4 @38388 has 16 MA's),

Gene: Flathead\_50 Start: 37185, Stop: 37391, Start Num: 3

Candidate Starts for Flathead\_50:

(2, 37182), (Start: 3 @37185 has 2 MA's), (Start: 4 @37242 has 16 MA's), (5, 37257), (6, 37377),

Gene: JalFarm20\_62 Start: 40272, Stop: 40421, Start Num: 4

Candidate Starts for JalFarm20\_62:

(1, 40173), (Start: 4 @40272 has 16 MA's), (5, 40287), (6, 40407),

Gene: KristaRAM\_53 Start: 38900, Stop: 39049, Start Num: 4

Candidate Starts for KristaRAM\_53:

(1, 38801), (Start: 4 @38900 has 16 MA's), (5, 38915),

Gene: Ogopogo\_54 Start: 37103, Stop: 37252, Start Num: 4

Candidate Starts for Ogopogo\_54:

(Start: 4 @37103 has 16 MA's),

Gene: OlympiaSaint\_52 Start: 37307, Stop: 37456, Start Num: 4

Candidate Starts for OlympiaSaint\_52:

(1, 37208), (Start: 4 @37307 has 16 MA's), (5, 37322), (6, 37442),

Gene: OwlsT2W\_51 Start: 37309, Stop: 37461, Start Num: 4

Candidate Starts for OwlsT2W\_51:

(Start: 4 @37309 has 16 MA's),

Gene: Piper2020\_84 Start: 51372, Stop: 51539, Start Num: 4

Candidate Starts for Piper2020\_84:

(Start: 4 @51372 has 16 MA's),

Gene: Pollywog\_52 Start: 37754, Stop: 37903, Start Num: 4

Candidate Starts for Pollywog\_52:

(Start: 4 @37754 has 16 MA's),

Gene: Shauna1\_49 Start: 37213, Stop: 37362, Start Num: 4

Candidate Starts for Shauna1\_49:

(1, 37114), (Start: 4 @37213 has 16 MA's), (5, 37228), (6, 37348),

Gene: Silvafighter\_62 Start: 38151, Stop: 38318, Start Num: 4

Candidate Starts for Silvafighter\_62:

(Start: 4 @38151 has 16 MA's),

Gene: Squirty\_72 Start: 48165, Stop: 48320, Start Num: 4

Candidate Starts for Squirty\_72:

(Start: 4 @48165 has 16 MA's),

Gene: SuperGrey\_54 Start: 38639, Stop: 38788, Start Num: 4

Candidate Starts for SuperGrey\_54:

(1, 38540), (Start: 4 @38639 has 16 MA's), (5, 38654), (6, 38774),

Gene: Whatsapiecost\_50 Start: 36048, Stop: 36254, Start Num: 3

Candidate Starts for Whatsapiecost\_50:

(2, 36045), (Start: 3 @36048 has 2 MA's), (Start: 4 @36105 has 16 MA's), (5, 36120),