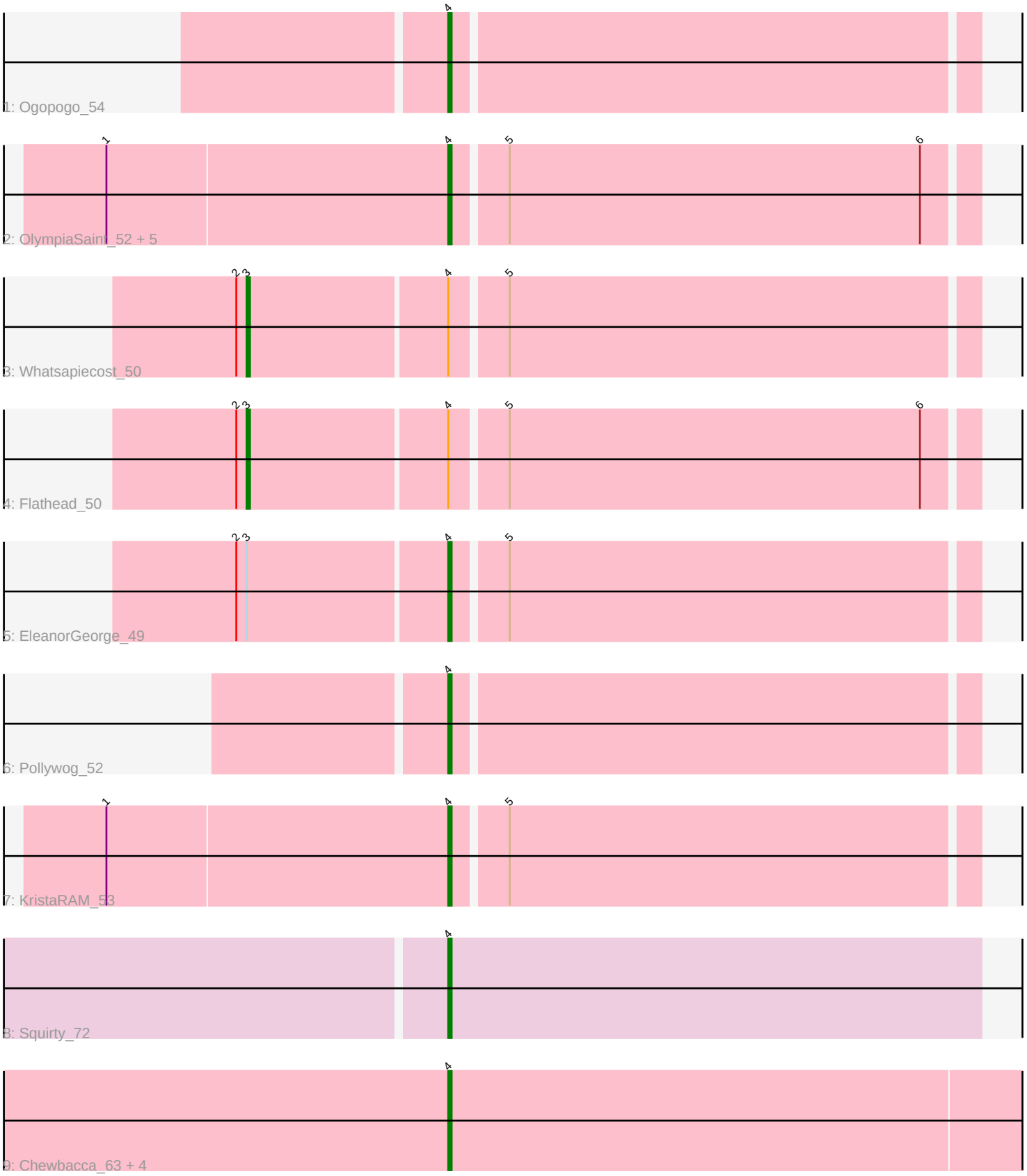
Pham 3953


4
1: Ogopogo_54
1
4
5
6
2: OlympiaSaint_52 + 5
2 3
4
5
3: Whatsapiecost_50
2 3
4
5
6
4: Flathead_50
2 3
4
5
5: EleanorGeorge_49
4
6: Pollywog_52
1
4
5
7: KristaRAM_53
4
8: Squirty_72
4
9: Chewbacca_63 + 4

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 04/05/24 on database version 557.

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),