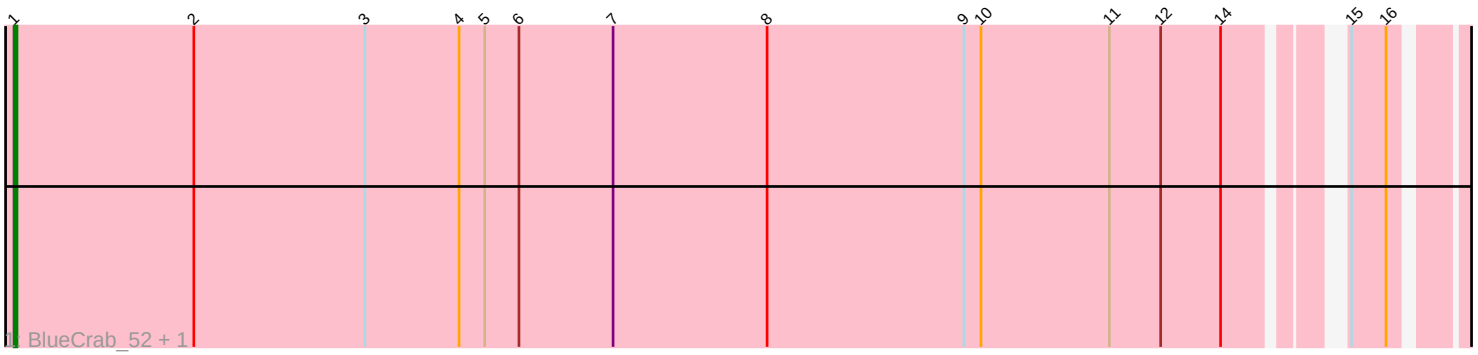
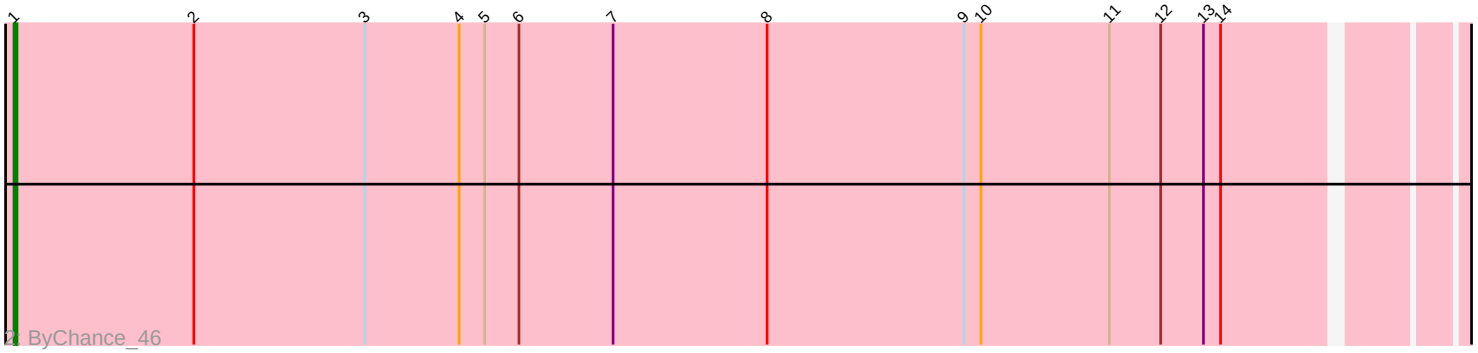
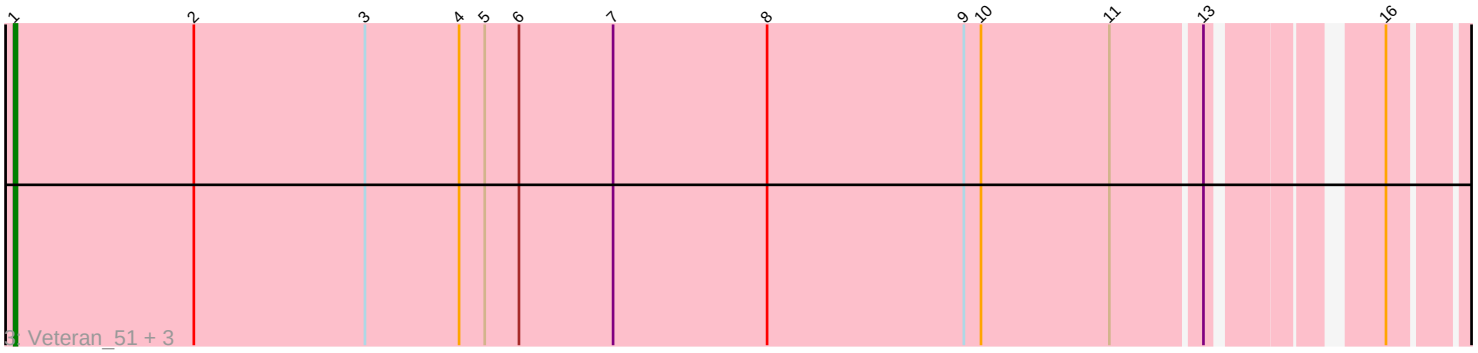
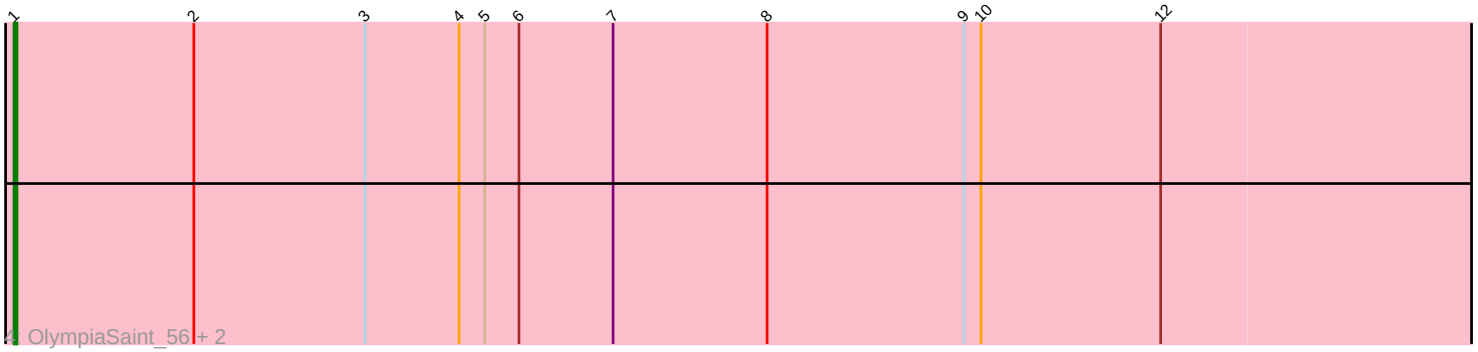
# Pham 348273


1
2
3
4
5
6
7
8
9
10
11
12
14
15
16
BlueCrab_52 + 1


1
2
3
4
5
6
7
8
9
10
11
12
13
14
ByChance_46


1
2
3
4
5
6
7
8
9
10
11
13
16
Veteran_51 + 3


1
2
3
4
5
6
7
8
9
10
12
OlympiaSaint_56 + 2

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 348273 Report

This analysis was run 11/14/26 on database version 672.

Pham number 348273 has 10 members, 0 are drafts.

Phages represented in each track:
• Track 1 : BlueCrab_52, Rialto_59
• Track 2 : ByChance_46
• Track 3 : Veteran_51, Mattes_58, Eradicator_47, James_58
• Track 4 : OlympiaSaint_56, Totinger_53, LittleShirley_53

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

The start number called the most often in the published annotations is 1, it was called in 10 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BlueCrab_52, ByChance_46, Eradicator_47, James_58, LittleShirley_53, Mattes_58, OlympiaSaint_56, Rialto_59, Totinger_53, Veteran_51,

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 1:
• Found in 10 of 10 ( 100.0% ) of genes in pham
• Manual Annotations of this start: 10 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BlueCrab_52 (F1), ByChance_46 (F1), Eradicator_47 (F1), James_58 (F1), LittleShirley_53 (F1), Mattes_58 (F1), OlympiaSaint_56 (F1), Rialto_59 (F1), Totinger_53 (F1), Veteran_51 (F1),

**Summary by clusters:**

There is one cluster represented in this pham: F1

Info for manual annotations of cluster F1:
•Start number 1 was manually annotated 10 times for cluster F1.

### *Gene Information:*

Gene: BlueCrab_52 Start: 37539, Stop: 38060, Start Num: 1
Candidate Starts for BlueCrab_52:
(Start: 1 @37539 has 10 MA's), (2, 37602), (3, 37662), (4, 37695), (5, 37704), (6, 37716), (7, 37749), (8, 37803), (9, 37872), (10, 37878), (11, 37923), (12, 37941), (14, 37962), (15, 37992), (16, 38004),

Gene: ByChance_46 Start: 33414, Stop: 33947, Start Num: 1
Candidate Starts for ByChance_46:
(Start: 1 @33414 has 10 MA's), (2, 33477), (3, 33537), (4, 33570), (5, 33579), (6, 33591), (7, 33624), (8, 33678), (9, 33747), (10, 33753), (11, 33798), (12, 33816), (13, 33831), (14, 33837),

Gene: Eradicator_47 Start: 36011, Stop: 36532, Start Num: 1
Candidate Starts for Eradicator_47:
(Start: 1 @36011 has 10 MA's), (2, 36074), (3, 36134), (4, 36167), (5, 36176), (6, 36188), (7, 36221), (8, 36275), (9, 36344), (10, 36350), (11, 36395), (13, 36425), (16, 36473),

Gene: James_58 Start: 39308, Stop: 39829, Start Num: 1
Candidate Starts for James_58:
(Start: 1 @39308 has 10 MA's), (2, 39371), (3, 39431), (4, 39464), (5, 39473), (6, 39485), (7, 39518), (8, 39572), (9, 39641), (10, 39647), (11, 39692), (13, 39722), (16, 39770),

Gene: LittleShirley_53 Start: 38238, Stop: 38792, Start Num: 1
Candidate Starts for LittleShirley_53:
(Start: 1 @38238 has 10 MA's), (2, 38301), (3, 38361), (4, 38394), (5, 38403), (6, 38415), (7, 38448), (8, 38502), (9, 38571), (10, 38577), (12, 38640),

Gene: Mattes_58 Start: 39308, Stop: 39829, Start Num: 1
Candidate Starts for Mattes_58:
(Start: 1 @39308 has 10 MA's), (2, 39371), (3, 39431), (4, 39464), (5, 39473), (6, 39485), (7, 39518), (8, 39572), (9, 39641), (10, 39647), (11, 39692), (13, 39722), (16, 39770),

Gene: OlympiaSaint_56 Start: 38215, Stop: 38769, Start Num: 1
Candidate Starts for OlympiaSaint_56:
(Start: 1 @38215 has 10 MA's), (2, 38278), (3, 38338), (4, 38371), (5, 38380), (6, 38392), (7, 38425), (8, 38479), (9, 38548), (10, 38554), (12, 38617),

Gene: Rialto_59 Start: 40435, Stop: 40956, Start Num: 1
Candidate Starts for Rialto_59:
(Start: 1 @40435 has 10 MA's), (2, 40498), (3, 40558), (4, 40591), (5, 40600), (6, 40612), (7, 40645), (8, 40699), (9, 40768), (10, 40774), (11, 40819), (12, 40837), (14, 40858), (15, 40888), (16, 40900),

Gene: Totinger_53 Start: 36964, Stop: 37518, Start Num: 1
Candidate Starts for Totinger_53:
(Start: 1 @36964 has 10 MA's), (2, 37027), (3, 37087), (4, 37120), (5, 37129), (6, 37141), (7, 37174), (8, 37228), (9, 37297), (10, 37303), (12, 37366),

Gene: Veteran_51 Start: 36834, Stop: 37355, Start Num: 1

Candidate Starts for Veteran_51:
(Start: 1 @36834 has 10 MA's), (2, 36897), (3, 36957), (4, 36990), (5, 36999), (6, 37011), (7, 37044), (8, 37098), (9, 37167), (10, 37173), (11, 37218), (13, 37248), (16, 37296),