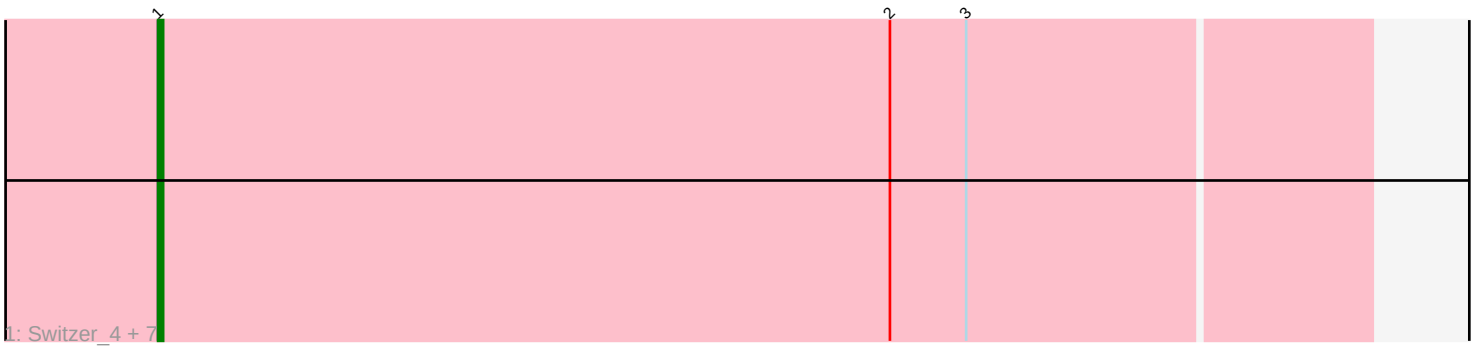
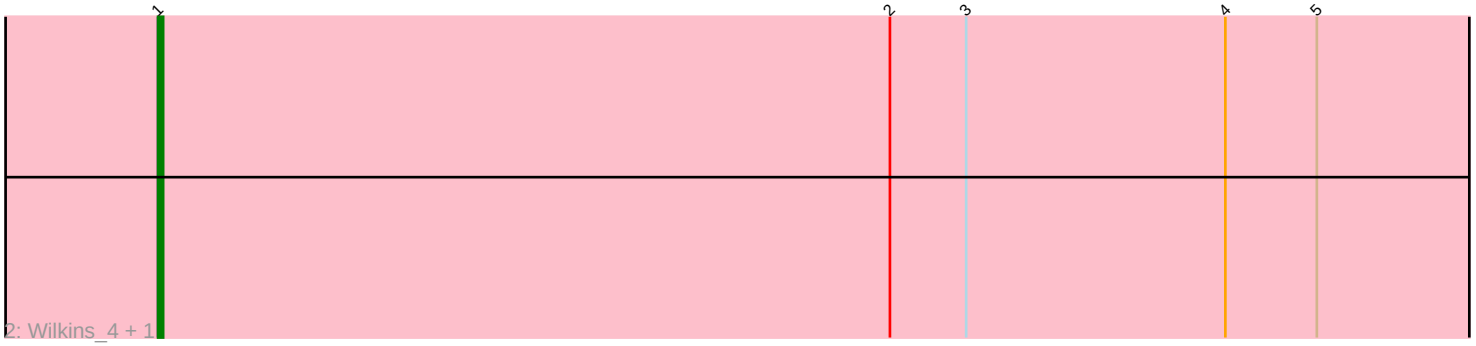
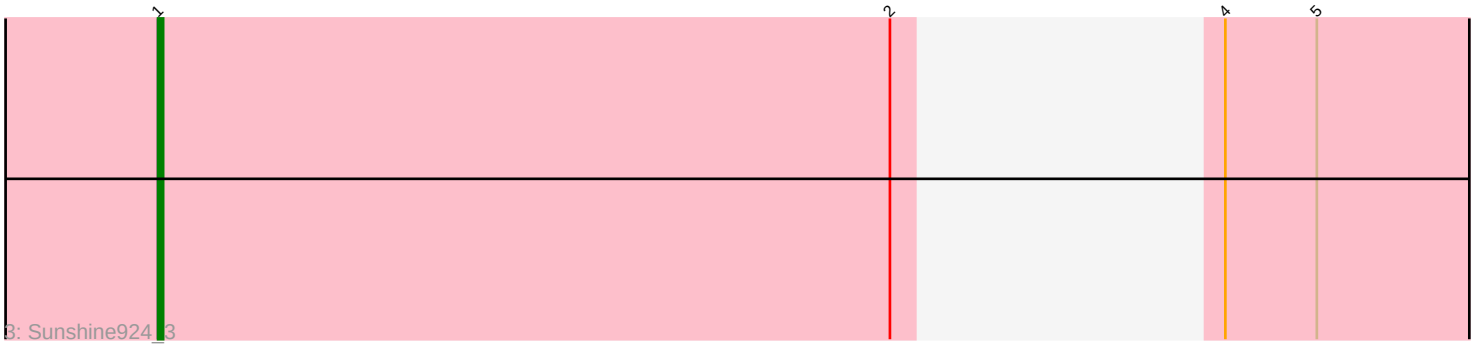
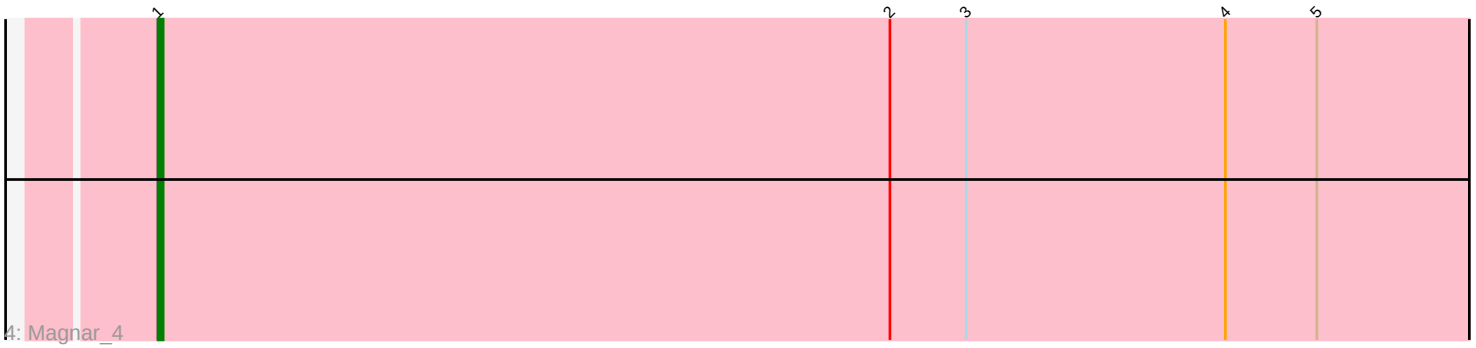
Pham 225040


1
2
3
1: Switzer_4 + 7


1
2
3
4
5
2: Wilkins_4 + 1


1
2
4
5
3: Sunshine924_3


1
2
3
4
5
4: Magnar_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 225040 Report

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

Pham number 225040 has 12 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Switzer_4, Crispicous1_3, Lamina13_4, HanShotFirst_4, Solon_3, Anglerfish_4, Magnito_3, Big3_4
• Track 2 : Wilkins_4, Topgun_4
• Track 3 : Sunshine924_3
• Track 4 : Magnar_4

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 12 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Anglerfish_4, Big3_4, Crispicous1_3, HanShotFirst_4, Lamina13_4, Magnar_4, Magnito_3, Solon_3, Sunshine924_3, Switzer_4, Topgun_4, Wilkins_4,

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 12 of 12 (100.0%) of genes in pham
• Manual Annotations of this start: 12 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Anglerfish_4 (A1), Big3_4 (A1), Crispicous1_3 (A1), HanShotFirst_4 (A1), Lamina13_4 (A1), Magnar_4 (A1), Magnito_3 (A1), Solon_3 (A1), Sunshine924_3 (A1), Switzer_4 (A1), Topgun_4 (A1), Wilkins_4 (A1),

Summary by clusters:

There is one cluster represented in this pham: A1

Info for manual annotations of cluster A1:
•Start number 1 was manually annotated 12 times for cluster A1.

Gene Information:

Gene: Anglerfish_4 Start: 1566, Stop: 1802, Start Num: 1
Candidate Starts for Anglerfish_4:
(Start: 1 @1566 has 12 MA's), (2, 1710), (3, 1725),

Gene: Big3_4 Start: 1582, Stop: 1818, Start Num: 1
Candidate Starts for Big3_4:
(Start: 1 @1582 has 12 MA's), (2, 1726), (3, 1741),

Gene: Crispicous1_3 Start: 1418, Stop: 1654, Start Num: 1
Candidate Starts for Crispicous1_3:
(Start: 1 @1418 has 12 MA's), (2, 1562), (3, 1577),

Gene: HanShotFirst_4 Start: 1565, Stop: 1801, Start Num: 1
Candidate Starts for HanShotFirst_4:
(Start: 1 @1565 has 12 MA's), (2, 1709), (3, 1724),

Gene: Lamina13_4 Start: 1563, Stop: 1799, Start Num: 1
Candidate Starts for Lamina13_4:
(Start: 1 @1563 has 12 MA's), (2, 1707), (3, 1722),

Gene: Magnar_4 Start: 1581, Stop: 1856, Start Num: 1
Candidate Starts for Magnar_4:
(Start: 1 @1581 has 12 MA's), (2, 1725), (3, 1740), (4, 1791), (5, 1809),

Gene: Magnito_3 Start: 1417, Stop: 1653, Start Num: 1
Candidate Starts for Magnito_3:
(Start: 1 @1417 has 12 MA's), (2, 1561), (3, 1576),

Gene: Solon_3 Start: 1417, Stop: 1653, Start Num: 1
Candidate Starts for Solon_3:
(Start: 1 @1417 has 12 MA's), (2, 1561), (3, 1576),

Gene: Sunshine924_3 Start: 1408, Stop: 1626, Start Num: 1
Candidate Starts for Sunshine924_3:
(Start: 1 @1408 has 12 MA's), (2, 1552), (4, 1561), (5, 1579),

Gene: Switzer_4 Start: 1560, Stop: 1796, Start Num: 1
Candidate Starts for Switzer_4:
(Start: 1 @1560 has 12 MA's), (2, 1704), (3, 1719),

Gene: Topgun_4 Start: 1611, Stop: 1886, Start Num: 1
Candidate Starts for Topgun_4:
(Start: 1 @1611 has 12 MA's), (2, 1755), (3, 1770), (4, 1821), (5, 1839),

Gene: Wilkins_4 Start: 1611, Stop: 1886, Start Num: 1
Candidate Starts for Wilkins_4:
(Start: 1 @1611 has 12 MA's), (2, 1755), (3, 1770), (4, 1821), (5, 1839),