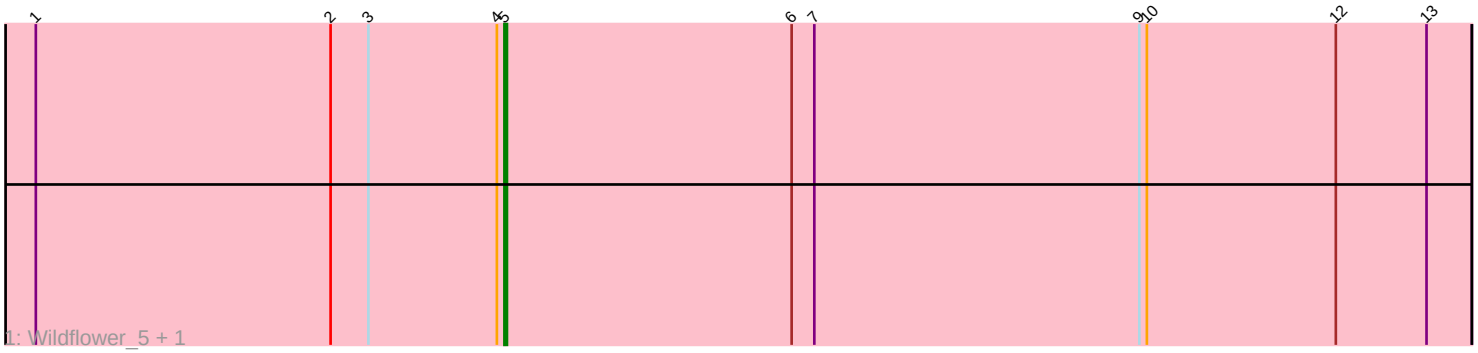
Pham 216874


1
2
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6
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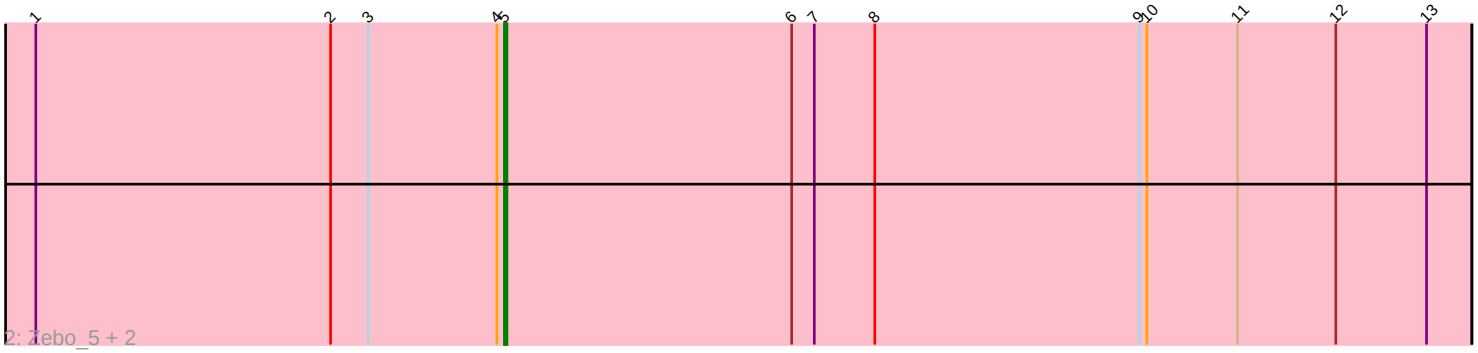
9
10
12
13
1: Wildflower_5 + 1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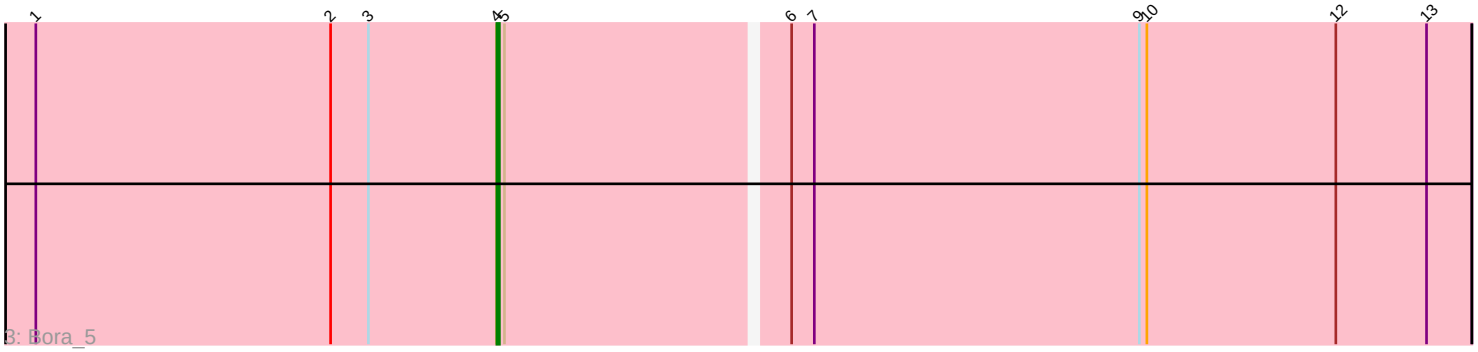
13
2: Zebo_5 + 2


1
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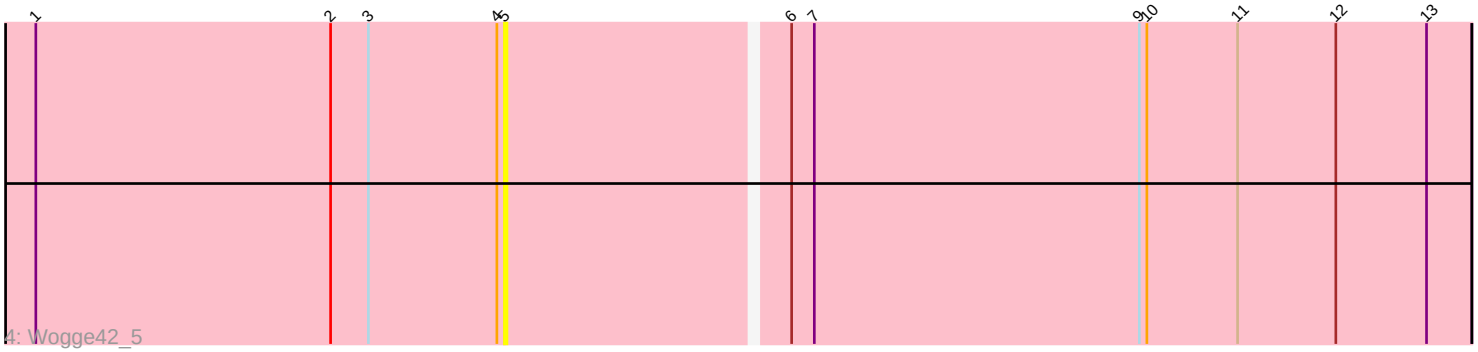
13
3: Bora_5


1
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13
4: Wogge42_5

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 216874 Report

This analysis was run 02/22/25 on database version 588.

Pham number 216874 has 7 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Wildflower_5, Ashwin_6
• Track 2 : Zebo_5, KingPhillip3_5, Murai_5
• Track 3 : Bora_5
• Track 4 : Wogge42_5

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

The start number called the most often in the published annotations is 5, it was called in 3 of the 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Ashwin_6, KingPhillip3_5, Murai_5, Wildflower_5, Wogge42_5, Zebo_5,

Genes that have the "Most Annotated" start but do not call it:
• Bora_5,

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

Summary by start number:

Start 4:
• Found in 7 of 7 (100.0%) of genes in pham
• Manual Annotations of this start: 1 of 4
• Called 14.3% of time when present
• Phage (with cluster) where this start called: Bora_5 (O),

Start 5:
• Found in 7 of 7 (100.0%) of genes in pham
• Manual Annotations of this start: 3 of 4
• Called 85.7% of time when present
• Phage (with cluster) where this start called: Ashwin_6 (O), KingPhillip3_5 (O), Murai_5 (O), Wildflower_5 (O), Wogge42_5 (O), Zebo_5 (O),

Summary by clusters:

There is one cluster represented in this pham: O

Info for manual annotations of cluster O:
•Start number 4 was manually annotated 1 time for cluster O.
•Start number 5 was manually annotated 3 times for cluster O.

Gene Information:

Gene: Ashwin_6 Start: 1973, Stop: 1590, Start Num: 5
Candidate Starts for Ashwin_6:
(1, 2159), (2, 2042), (3, 2027), (Start: 4 @1976 has 1 MA's), (Start: 5 @1973 has 3 MA's), (6, 1859), (7, 1850), (9, 1721), (10, 1718), (12, 1643), (13, 1607),

Gene: Bora_5 Start: 1666, Stop: 1286, Start Num: 4
Candidate Starts for Bora_5:
(1, 1849), (2, 1732), (3, 1717), (Start: 4 @1666 has 1 MA's), (Start: 5 @1663 has 3 MA's), (6, 1555), (7, 1546), (9, 1417), (10, 1414), (12, 1339), (13, 1303),

Gene: KingPhillip3_5 Start: 1579, Stop: 1196, Start Num: 5
Candidate Starts for KingPhillip3_5:
(1, 1765), (2, 1648), (3, 1633), (Start: 4 @1582 has 1 MA's), (Start: 5 @1579 has 3 MA's), (6, 1465), (7, 1456), (8, 1432), (9, 1327), (10, 1324), (11, 1288), (12, 1249), (13, 1213),

Gene: Murai_5 Start: 1530, Stop: 1147, Start Num: 5
Candidate Starts for Murai_5:
(1, 1716), (2, 1599), (3, 1584), (Start: 4 @1533 has 1 MA's), (Start: 5 @1530 has 3 MA's), (6, 1416), (7, 1407), (8, 1383), (9, 1278), (10, 1275), (11, 1239), (12, 1200), (13, 1164),

Gene: Wildflower_5 Start: 1625, Stop: 1242, Start Num: 5
Candidate Starts for Wildflower_5:
(1, 1811), (2, 1694), (3, 1679), (Start: 4 @1628 has 1 MA's), (Start: 5 @1625 has 3 MA's), (6, 1511), (7, 1502), (9, 1373), (10, 1370), (12, 1295), (13, 1259),

Gene: Wogge42_5 Start: 1668, Stop: 1291, Start Num: 5
Candidate Starts for Wogge42_5:
(1, 1854), (2, 1737), (3, 1722), (Start: 4 @1671 has 1 MA's), (Start: 5 @1668 has 3 MA's), (6, 1560), (7, 1551), (9, 1422), (10, 1419), (11, 1383), (12, 1344), (13, 1308),

Gene: Zebo_5 Start: 1579, Stop: 1196, Start Num: 5
Candidate Starts for Zebo_5:
(1, 1765), (2, 1648), (3, 1633), (Start: 4 @1582 has 1 MA's), (Start: 5 @1579 has 3 MA's), (6, 1465), (7, 1456), (8, 1432), (9, 1327), (10, 1324), (11, 1288), (12, 1249), (13, 1213),