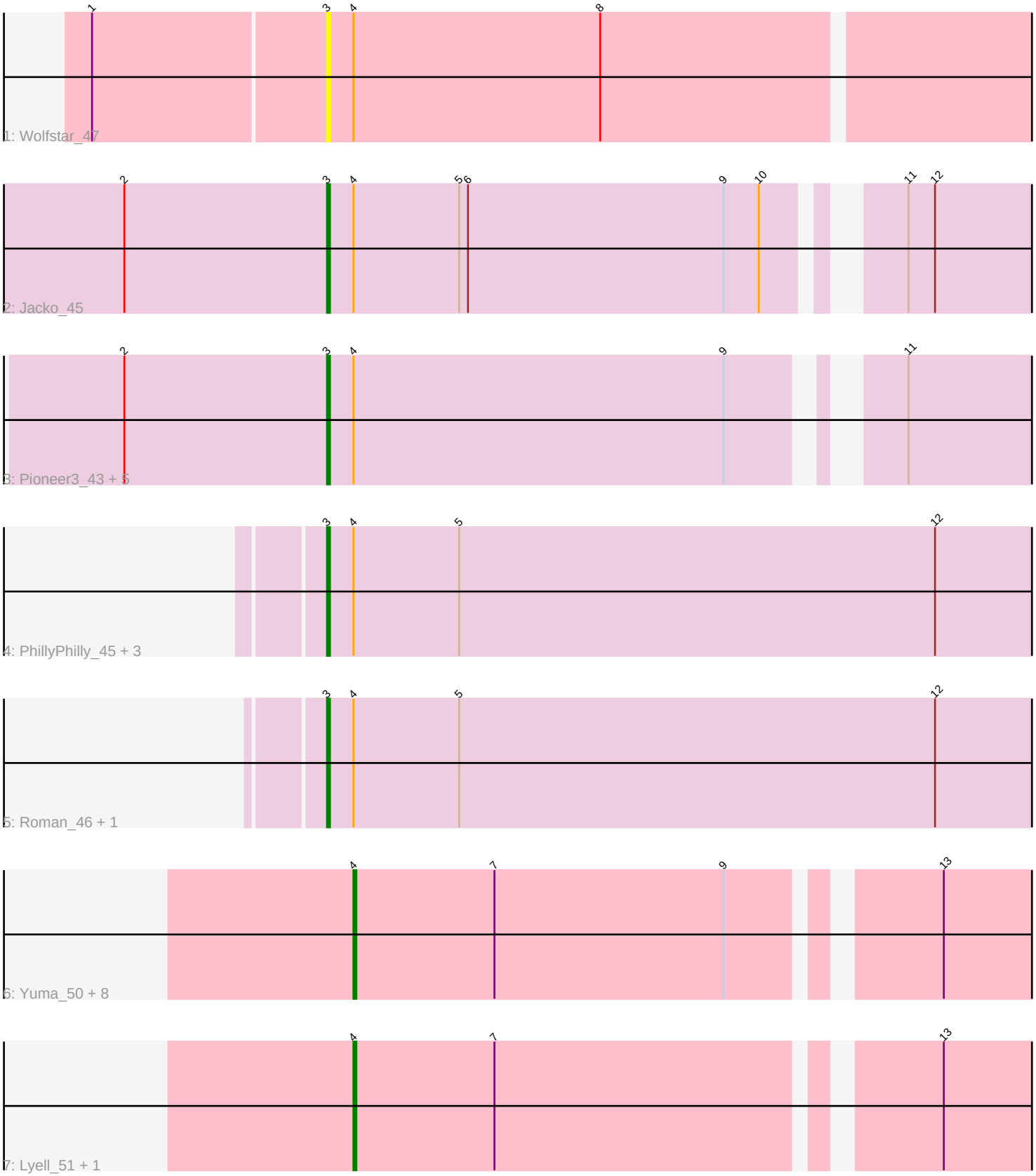
Pham 3505


1
3
4
8
1: Wolfstar_47
2
3
4
5
6
9
10
11
12
2: Jacko_45
2
3
4
9
11
3: Pioneer3_43 + 5
3
4
5
12
4: PhillyPhilly_45 + 3
3
4
5
12
5: Roman_46 + 1
4
7
9
13
6: Yuma_50 + 8
4
7
13
7: Lyell_51 + 1

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 3505 Report

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

WARNING: Pham size does not match number of genes in report. Either unphamerated genes have been added (by you) or starterator has removed genes due to invalid start codon.

Pham number 3505 has 25 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Wolfstar_47
• Track 2 : Jacko_45
• Track 3 : Pioneer3_43, Tandem_43, Platte_43, Alleb_44, OlinDD_43, Hortus1_43
• Track 4 : PhillyPhilly_45, DejaVu_47, Hubbs_46, Pavlo_45
• Track 5 : Roman_46, Lupine_44
• Track 6 : Yuma_50, Fork_47, Musetta_51, Welcome_52, RunningBrook_53, ASegato_50, Erenyeager_51, StevieWelch_51, DustyDino_54
• Track 7 : Lyell_51, Necrophoxinus_53

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

The start number called the most often in the published annotations is 3, it was called in 13 of the 22 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Alleb_44, DejaVu_47, Hortus1_43, Hubbs_46, Jacko_45, Lupine_44, OlinDD_43, Pavlo_45, PhillyPhilly_45, Pioneer3_43, Platte_43, Roman_46, Tandem_43, Wolfstar_47,

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

Genes that do not have the "Most Annotated" start:
• ASegato_50, DustyDino_54, Erenyeager_51, Fork_47, Lyell_51, Musetta_51, Necrophoxinus_53, RunningBrook_53, StevieWelch_51, Welcome_52, Yuma_50,

Summary by start number:

Start 3:
• Found in 14 of 25 (56.0%) of genes in pham

• Manual Annotations of this start: 13 of 22
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Alleb_44 (ED1), DejaVu_47 (ED1), Hortus1_43 (ED1), Hubbs_46 (ED1), Jacko_45 (ED1), Lupine_44 (ED1), OlinDD_43 (ED1), Pavlo_45 (ED1), PhillyPhilly_45 (ED1), Pioneer3_43 (ED1), Platte_43 (ED1), Roman_46 (ED1), Tandem_43 (ED1), Wolfstar_47 (ED),

Start 4:
• Found in 25 of 25 (100.0%) of genes in pham
• Manual Annotations of this start: 9 of 22
• Called 44.0% of time when present
• Phage (with cluster) where this start called: ASegato_50 (ED2), DustyDino_54 (ED2), Erenyeager_51 (ED2), Fork_47 (ED2), Lyell_51 (ED2), Musetta_51 (ED2), Necrophoxinus_53 (ED2), RunningBrook_53 (ED2), StevieWelch_51 (ED2), Welcome_52 (ED2), Yuma_50 (ED2),

Summary by clusters:

There are 3 clusters represented in this pham: ED2, ED, ED1,

Info for manual annotations of cluster ED1:
•Start number 3 was manually annotated 13 times for cluster ED1.

Info for manual annotations of cluster ED2:
•Start number 4 was manually annotated 9 times for cluster ED2.

Gene Information:

Gene: ASegato_50 Start: 23766, Stop: 23981, Start Num: 4
Candidate Starts for ASegato_50:
(Start: 4 @23766 has 9 MA's), (7, 23814), (9, 23892), (13, 23952),

Gene: Alleb_44 Start: 22824, Stop: 23042, Start Num: 3
Candidate Starts for Alleb_44:
(2, 22755), (Start: 3 @22824 has 13 MA's), (Start: 4 @22833 has 9 MA's), (9, 22959), (11, 23001),

Gene: DejaVu_47 Start: 23012, Stop: 23251, Start Num: 3
Candidate Starts for DejaVu_47:
(Start: 3 @23012 has 13 MA's), (Start: 4 @23021 has 9 MA's), (5, 23057), (12, 23219),

Gene: DustyDino_54 Start: 24710, Stop: 24925, Start Num: 4
Candidate Starts for DustyDino_54:
(Start: 4 @24710 has 9 MA's), (7, 24758), (9, 24836), (13, 24896),

Gene: Erenyeager_51 Start: 24104, Stop: 24319, Start Num: 4
Candidate Starts for Erenyeager_51:
(Start: 4 @24104 has 9 MA's), (7, 24152), (9, 24230), (13, 24290),

Gene: Fork_47 Start: 23419, Stop: 23634, Start Num: 4
Candidate Starts for Fork_47:

(Start: 4 @23419 has 9 MA's), (7, 23467), (9, 23545), (13, 23605),

Gene: Hortus1_43 Start: 22814, Stop: 23032, Start Num: 3
Candidate Starts for Hortus1_43:
(2, 22745), (Start: 3 @22814 has 13 MA's), (Start: 4 @22823 has 9 MA's), (9, 22949), (11, 22991),

Gene: Hubbs_46 Start: 23224, Stop: 23463, Start Num: 3
Candidate Starts for Hubbs_46:
(Start: 3 @23224 has 13 MA's), (Start: 4 @23233 has 9 MA's), (5, 23269), (12, 23431),

Gene: Jacko_45 Start: 21006, Stop: 21227, Start Num: 3
Candidate Starts for Jacko_45:
(2, 20937), (Start: 3 @21006 has 13 MA's), (Start: 4 @21015 has 9 MA's), (5, 21051), (6, 21054), (9, 21141), (10, 21153), (11, 21186), (12, 21195),

Gene: Lupine_44 Start: 22426, Stop: 22665, Start Num: 3
Candidate Starts for Lupine_44:
(Start: 3 @22426 has 13 MA's), (Start: 4 @22435 has 9 MA's), (5, 22471), (12, 22633),

Gene: Lyell_51 Start: 24023, Stop: 24241, Start Num: 4
Candidate Starts for Lyell_51:
(Start: 4 @24023 has 9 MA's), (7, 24071), (13, 24209),

Gene: Musetta_51 Start: 24137, Stop: 24352, Start Num: 4
Candidate Starts for Musetta_51:
(Start: 4 @24137 has 9 MA's), (7, 24185), (9, 24263), (13, 24323),

Gene: Necrophoxinus_53 Start: 24718, Stop: 24936, Start Num: 4
Candidate Starts for Necrophoxinus_53:
(Start: 4 @24718 has 9 MA's), (7, 24766), (13, 24904),

Gene: OlinDD_43 Start: 22813, Stop: 23031, Start Num: 3
Candidate Starts for OlinDD_43:
(2, 22744), (Start: 3 @22813 has 13 MA's), (Start: 4 @22822 has 9 MA's), (9, 22948), (11, 22990),

Gene: Pavlo_45 Start: 23071, Stop: 23310, Start Num: 3
Candidate Starts for Pavlo_45:
(Start: 3 @23071 has 13 MA's), (Start: 4 @23080 has 9 MA's), (5, 23116), (12, 23278),

Gene: PhillyPhilly_45 Start: 22605, Stop: 22844, Start Num: 3
Candidate Starts for PhillyPhilly_45:
(Start: 3 @22605 has 13 MA's), (Start: 4 @22614 has 9 MA's), (5, 22650), (12, 22812),

Gene: Pioneer3_43 Start: 22821, Stop: 23039, Start Num: 3
Candidate Starts for Pioneer3_43:
(2, 22752), (Start: 3 @22821 has 13 MA's), (Start: 4 @22830 has 9 MA's), (9, 22956), (11, 22998),

Gene: Platte_43 Start: 22606, Stop: 22824, Start Num: 3
Candidate Starts for Platte_43:
(2, 22537), (Start: 3 @22606 has 13 MA's), (Start: 4 @22615 has 9 MA's), (9, 22741), (11, 22783),

Gene: Roman_46 Start: 23072, Stop: 23311, Start Num: 3
Candidate Starts for Roman_46:

(Start: 3 @23072 has 13 MA's), (Start: 4 @23081 has 9 MA's), (5, 23117), (12, 23279),

Gene: RunningBrook_53 Start: 24710, Stop: 24925, Start Num: 4
Candidate Starts for RunningBrook_53:
(Start: 4 @24710 has 9 MA's), (7, 24758), (9, 24836), (13, 24896),

Gene: StevieWelch_51 Start: 24105, Stop: 24320, Start Num: 4
Candidate Starts for StevieWelch_51:
(Start: 4 @24105 has 9 MA's), (7, 24153), (9, 24231), (13, 24291),

Gene: Tandem_43 Start: 22760, Stop: 22978, Start Num: 3
Candidate Starts for Tandem_43:
(2, 22691), (Start: 3 @22760 has 13 MA's), (Start: 4 @22769 has 9 MA's), (9, 22895), (11, 22937),

Gene: Welcome_52 Start: 24122, Stop: 24337, Start Num: 4
Candidate Starts for Welcome_52:
(Start: 4 @24122 has 9 MA's), (7, 24170), (9, 24248), (13, 24308),

Gene: Wolfstar_47 Start: 22985, Stop: 23218, Start Num: 3
Candidate Starts for Wolfstar_47:
(1, 22907), (Start: 3 @22985 has 13 MA's), (Start: 4 @22994 has 9 MA's), (8, 23078),

Gene: Yuma_50 Start: 24037, Stop: 24252, Start Num: 4
Candidate Starts for Yuma_50:
(Start: 4 @24037 has 9 MA's), (7, 24085), (9, 24163), (13, 24223),