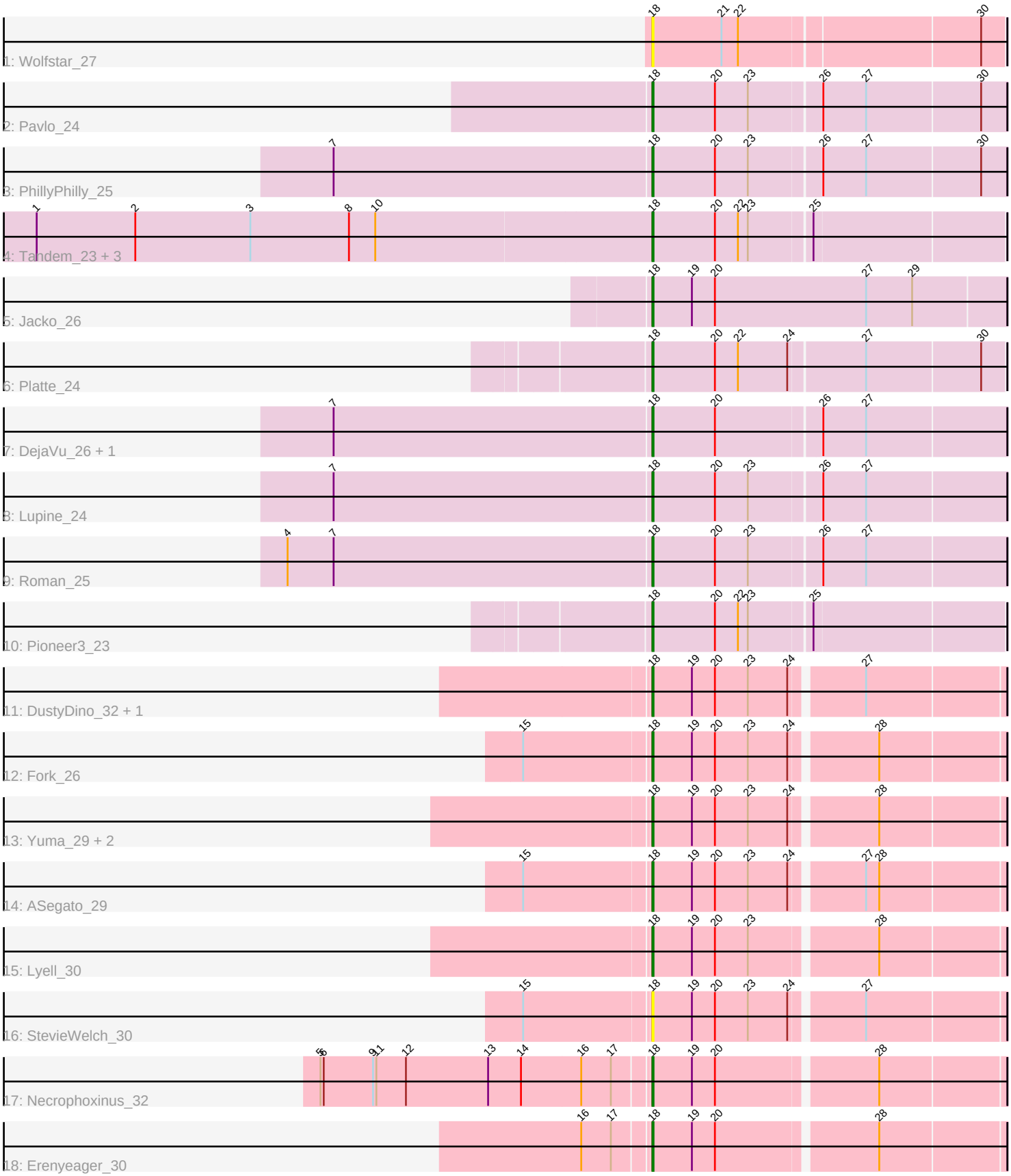
Pham 3480


1: Wolfstar_27
18 21 22 30
2: Pavlo_24
18 20 23 26 27 30
3: PhillyPhilly_25
7 18 20 23 26 27 30
4: Tandem_23 + 3
1 2 3 8 10 18 20 22 23 25
5: Jacko_26
18 19 20 27 29
6: Platte_24
18 20 22 24 27 30
7: DejaVu_26 + 1
7 18 20 26 27
8: Lupine_24
7 18 20 23 26 27
9: Roman_25
4 7 18 20 23 26 27
10: Pioneer3_23
18 20 22 23 25
11: DustyDino_32 + 1
18 19 20 23 24 27
12: Fork_26
15 18 19 20 23 24 28
13: Yuma_29 + 2
18 19 20 23 24 28
14: ASegato_29
15 18 19 20 23 24 27 28
15: Lyell_30
18 19 20 23 28
16: StevieWelch_30
15 18 19 20 23 24 27
17: Necrophoxinus_32
5 6 9 11 12 13 14 16 17 18 19 20 28
18: Erenyeager_30
16 17 18 19 20 28

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 3480 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 3480 has 25 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Wolfstar_27
• Track 2 : Pavlo_24
• Track 3 : PhillyPhilly_25
• Track 4 : Tandem_23, Alleb_24, OlinDD_23, Hortus1_23
• Track 5 : Jacko_26
• Track 6 : Platte_24
• Track 7 : DejaVu_26, Hubbs_25
• Track 8 : Lupine_24
• Track 9 : Roman_25
• Track 10 : Pioneer3_23
• Track 11 : DustyDino_32, RunningBrook_31
• Track 12 : Fork_26
• Track 13 : Yuma_29, Musetta_30, Welcome_31
• Track 14 : ASegato_29
• Track 15 : Lyell_30
• Track 16 : StevieWelch_30
• Track 17 : Necrophoxinus_32
• Track 18 : Erenyeager_30

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

The start number called the most often in the published annotations is 18, it was called in 22 of the 22 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• ASegato_29, Alleb_24, DejaVu_26, DustyDino_32, Erenyeager_30, Fork_26, Hortus1_23, Hubbs_25, Jacko_26, Lupine_24, Lyell_30, Musetta_30, Necrophoxinus_32, OlinDD_23, Pavlo_24, PhillyPhilly_25, Pioneer3_23, Platte_24, Roman_25, RunningBrook_31, StevieWelch_30, Tandem_23, Welcome_31, Wolfstar_27, Yuma_29,

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 18:
• Found in 25 of 25 (100.0%) of genes in pham
• Manual Annotations of this start: 22 of 22
• Called 100.0% of time when present
• Phage (with cluster) where this start called: ASegato_29 (ED2), Alleb_24 (ED1), DejaVu_26 (ED1), DustyDino_32 (ED2), Erenyeager_30 (ED2), Fork_26 (ED2), Hortus1_23 (ED1), Hubbs_25 (ED1), Jacko_26 (ED1), Lupine_24 (ED1), Lyell_30 (ED2), Musetta_30 (ED2), Necrophoxinus_32 (ED2), OlinDD_23 (ED1), Pavlo_24 (ED1), PhillyPhilly_25 (ED1), Pioneer3_23 (ED1), Platte_24 (ED1), Roman_25 (ED1), RunningBrook_31 (ED2), StevieWelch_30 (ED2), Tandem_23 (ED1), Welcome_31 (ED2), Wolfstar_27 (ED), Yuma_29 (ED2),

Summary by clusters:

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

Info for manual annotations of cluster ED1:
•Start number 18 was manually annotated 13 times for cluster ED1.

Info for manual annotations of cluster ED2:
•Start number 18 was manually annotated 9 times for cluster ED2.

Gene Information:

Gene: ASegato_29 Start: 8490, Stop: 8795, Start Num: 18
Candidate Starts for ASegato_29:
(15, 8379), (Start: 18 @8490 has 22 MA's), (19, 8526), (20, 8547), (23, 8577), (24, 8613), (27, 8673), (28, 8685),

Gene: Alleb_24 Start: 7615, Stop: 7923, Start Num: 18
Candidate Starts for Alleb_24:
(1, 7057), (2, 7147), (3, 7252), (8, 7342), (10, 7366), (Start: 18 @7615 has 22 MA's), (20, 7672), (22, 7693), (23, 7702), (25, 7756),

Gene: DejaVu_26 Start: 7843, Stop: 8154, Start Num: 18
Candidate Starts for DejaVu_26:
(7, 7555), (Start: 18 @7843 has 22 MA's), (20, 7900), (26, 7990), (27, 8029),

Gene: DustyDino_32 Start: 9201, Stop: 9506, Start Num: 18
Candidate Starts for DustyDino_32:
(Start: 18 @9201 has 22 MA's), (19, 9237), (20, 9258), (23, 9288), (24, 9324), (27, 9384),

Gene: Erenyeager_30 Start: 8861, Stop: 9166, Start Num: 18
Candidate Starts for Erenyeager_30:
(16, 8804), (17, 8831), (Start: 18 @8861 has 22 MA's), (19, 8897), (20, 8918), (28, 9056),

Gene: Fork_26 Start: 8147, Stop: 8452, Start Num: 18
Candidate Starts for Fork_26:
(15, 8036), (Start: 18 @8147 has 22 MA's), (19, 8183), (20, 8204), (23, 8234), (24, 8270), (28, 8342),

Gene: Hortus1_23 Start: 7614, Stop: 7922, Start Num: 18
Candidate Starts for Hortus1_23:
(1, 7056), (2, 7146), (3, 7251), (8, 7341), (10, 7365), (Start: 18 @7614 has 22 MA's), (20, 7671), (22, 7692), (23, 7701), (25, 7755),

Gene: Hubbs_25 Start: 8055, Stop: 8366, Start Num: 18
Candidate Starts for Hubbs_25:
(7, 7767), (Start: 18 @8055 has 22 MA's), (20, 8112), (26, 8202), (27, 8241),

Gene: Jacko_26 Start: 8159, Stop: 8479, Start Num: 18
Candidate Starts for Jacko_26:
(Start: 18 @8159 has 22 MA's), (19, 8195), (20, 8216), (27, 8354), (29, 8396),

Gene: Lupine_24 Start: 7733, Stop: 8044, Start Num: 18
Candidate Starts for Lupine_24:
(7, 7445), (Start: 18 @7733 has 22 MA's), (20, 7790), (23, 7820), (26, 7880), (27, 7919),

Gene: Lyell_30 Start: 8779, Stop: 9084, Start Num: 18
Candidate Starts for Lyell_30:
(Start: 18 @8779 has 22 MA's), (19, 8815), (20, 8836), (23, 8866), (28, 8974),

Gene: Musetta_30 Start: 8858, Stop: 9163, Start Num: 18
Candidate Starts for Musetta_30:
(Start: 18 @8858 has 22 MA's), (19, 8894), (20, 8915), (23, 8945), (24, 8981), (28, 9053),

Gene: Necrophoxinus_32 Start: 9475, Stop: 9780, Start Num: 18
Candidate Starts for Necrophoxinus_32:
(5, 9181), (6, 9184), (9, 9229), (11, 9232), (12, 9259), (13, 9334), (14, 9364), (16, 9418), (17, 9445), (Start: 18 @9475 has 22 MA's), (19, 9511), (20, 9532), (28, 9670),

Gene: OlinDD_23 Start: 7613, Stop: 7921, Start Num: 18
Candidate Starts for OlinDD_23:
(1, 7055), (2, 7145), (3, 7250), (8, 7340), (10, 7364), (Start: 18 @7613 has 22 MA's), (20, 7670), (22, 7691), (23, 7700), (25, 7754),

Gene: Pavlo_24 Start: 8008, Stop: 8319, Start Num: 18
Candidate Starts for Pavlo_24:
(Start: 18 @8008 has 22 MA's), (20, 8065), (23, 8095), (26, 8155), (27, 8194), (30, 8296),

Gene: PhillyPhilly_25 Start: 7913, Stop: 8224, Start Num: 18
Candidate Starts for PhillyPhilly_25:
(7, 7625), (Start: 18 @7913 has 22 MA's), (20, 7970), (23, 8000), (26, 8060), (27, 8099), (30, 8201),

Gene: Pioneer3_23 Start: 7612, Stop: 7920, Start Num: 18

Candidate Starts for Pioneer3_23:
(Start: 18 @7612 has 22 MA's), (20, 7669), (22, 7690), (23, 7699), (25, 7753),

Gene: Platte_24 Start: 7745, Stop: 8056, Start Num: 18
Candidate Starts for Platte_24:
(Start: 18 @7745 has 22 MA's), (20, 7802), (22, 7823), (24, 7868), (27, 7934), (30, 8036),

Gene: Roman_25 Start: 7911, Stop: 8222, Start Num: 18
Candidate Starts for Roman_25:
(4, 7581), (7, 7623), (Start: 18 @7911 has 22 MA's), (20, 7968), (23, 7998), (26, 8058), (27, 8097),

Gene: RunningBrook_31 Start: 9201, Stop: 9506, Start Num: 18
Candidate Starts for RunningBrook_31:
(Start: 18 @9201 has 22 MA's), (19, 9237), (20, 9258), (23, 9288), (24, 9324), (27, 9384),

Gene: StevieWelch_30 Start: 8837, Stop: 9142, Start Num: 18
Candidate Starts for StevieWelch_30:
(15, 8726), (Start: 18 @8837 has 22 MA's), (19, 8873), (20, 8894), (23, 8924), (24, 8960), (27, 9020),

Gene: Tandem_23 Start: 7551, Stop: 7859, Start Num: 18
Candidate Starts for Tandem_23:
(1, 6993), (2, 7083), (3, 7188), (8, 7278), (10, 7302), (Start: 18 @7551 has 22 MA's), (20, 7608), (22, 7629), (23, 7638), (25, 7692),

Gene: Welcome_31 Start: 8854, Stop: 9159, Start Num: 18
Candidate Starts for Welcome_31:
(Start: 18 @8854 has 22 MA's), (19, 8890), (20, 8911), (23, 8941), (24, 8977), (28, 9049),

Gene: Wolfstar_27 Start: 8751, Stop: 9059, Start Num: 18
Candidate Starts for Wolfstar_27:
(Start: 18 @8751 has 22 MA's), (21, 8814), (22, 8829), (30, 9039),

Gene: Yuma_29 Start: 8757, Stop: 9062, Start Num: 18
Candidate Starts for Yuma_29:
(Start: 18 @8757 has 22 MA's), (19, 8793), (20, 8814), (23, 8844), (24, 8880), (28, 8952),