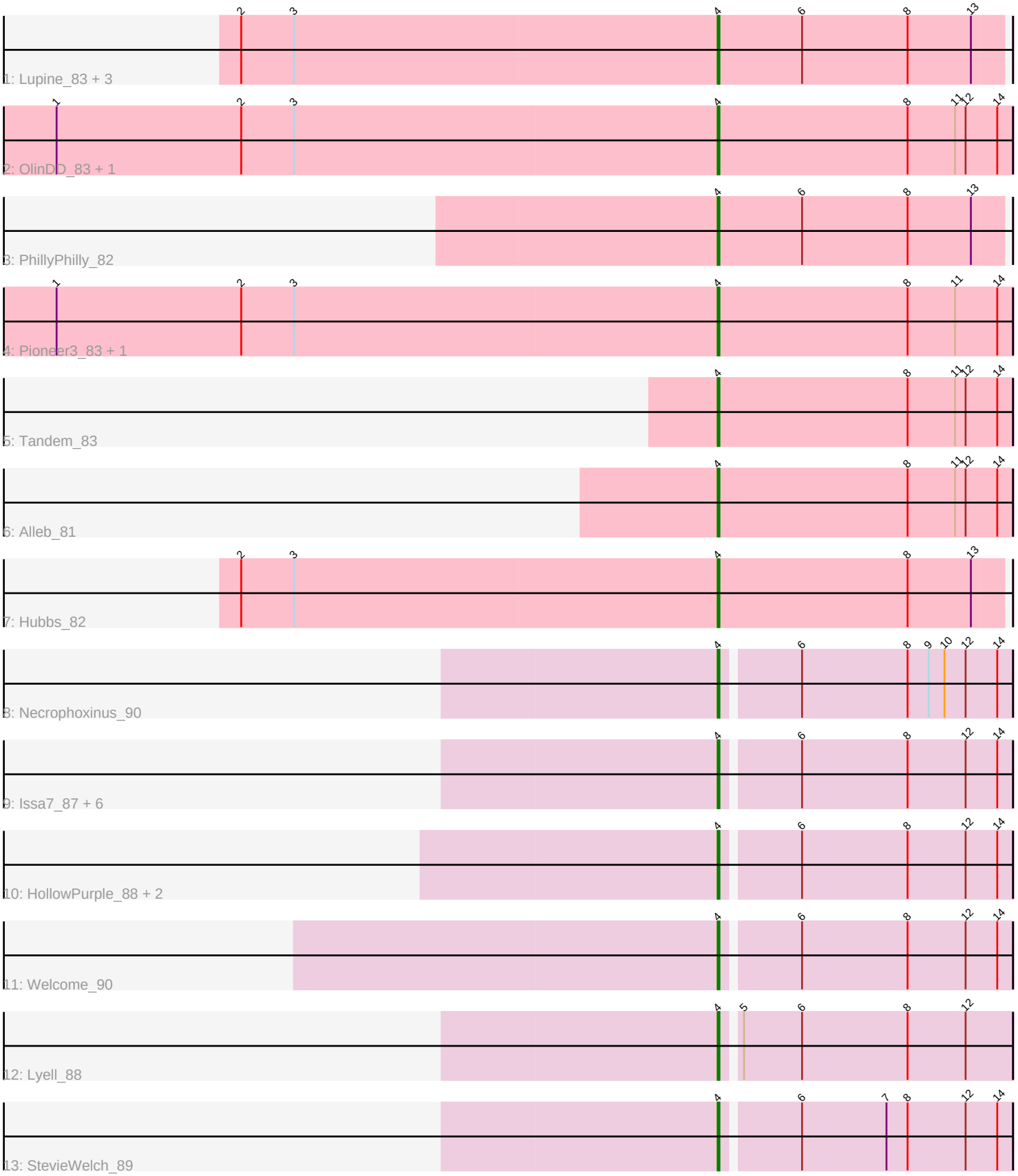
Pham 218227


1: Lupine_83 + 3
2: OlinDD_83 + 1
3: PhillyPhilly_82
4: Pioneer3_83 + 1
5: Tandem_83
6: Alleb_81
7: Hubbs_82
8: Necrophoxinus_90
9: Issa7_87 + 6
10: HollowPurple_88 + 2
11: Welcome_90
12: Lyell_88
13: StevieWelch_89

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 218227 Report

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

Pham number 218227 has 26 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Lupine_83, Pavlo_83, Roman_86, DejaVu_84
• Track 2 : OlinDD_83, Hortus1_83
• Track 3 : PhillyPhilly_82
• Track 4 : Pioneer3_83, Platte_82
• Track 5 : Tandem_83
• Track 6 : Alleb_81
• Track 7 : Hubbs_82
• Track 8 : Necrophoxinus_90
• Track 9 : Issa7_87, Casablancas_89, DustyDino_92, Musetta_87, Yuma_87, RunningBrook_90, Erenyeager_88
• Track 10 : HollowPurple_88, Fork_84, ASegato_86
• Track 11 : Welcome_90
• Track 12 : Lyell_88
• Track 13 : StevieWelch_89

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

The start number called the most often in the published annotations is 4, it was called in 23 of the 23 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• ASegato_86, Alleb_81, Casablancas_89, DejaVu_84, DustyDino_92, Erenyeager_88, Fork_84, HollowPurple_88, Hortus1_83, Hubbs_82, Issa7_87, Lupine_83, Lyell_88, Musetta_87, Necrophoxinus_90, OlinDD_83, Pavlo_83, PhillyPhilly_82, Pioneer3_83, Platte_82, Roman_86, RunningBrook_90, StevieWelch_89, Tandem_83, Welcome_90, Yuma_87,

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 4:
• Found in 26 of 26 (100.0%) of genes in pham
• Manual Annotations of this start: 23 of 23
• Called 100.0% of time when present
• Phage (with cluster) where this start called: ASegato_86 (ED2), Alleb_81 (ED1), Casablancas_89 (ED2), DejaVu_84 (ED1), DustyDino_92 (ED2), Erenyeager_88 (ED2), Fork_84 (ED2), HollowPurple_88 (ED2), Hortus1_83 (ED1), Hubbs_82 (ED1), Issa7_87 (ED2), Lupine_83 (ED1), Lyell_88 (ED2), Musetta_87 (ED2), Necrophoxinus_90 (ED2), OlinDD_83 (ED1), Pavlo_83 (ED1), PhillyPhilly_82 (ED1), Pioneer3_83 (ED1), Platte_82 (ED1), Roman_86 (ED1), RunningBrook_90 (ED2), StevieWelch_89 (ED2), Tandem_83 (ED1), Welcome_90 (ED2), Yuma_87 (ED2),

Summary by clusters:

There are 2 clusters represented in this pham: ED2, ED1,

Info for manual annotations of cluster ED1:
•Start number 4 was manually annotated 12 times for cluster ED1.

Info for manual annotations of cluster ED2:
•Start number 4 was manually annotated 11 times for cluster ED2.

Gene Information:

Gene: ASegato_86 Start: 50497, Stop: 50336, Start Num: 4
Candidate Starts for ASegato_86:
(Start: 4 @50497 has 23 MA's), (6, 50455), (8, 50395), (12, 50362), (14, 50344),

Gene: Alleb_81 Start: 50133, Stop: 49966, Start Num: 4
Candidate Starts for Alleb_81:
(Start: 4 @50133 has 23 MA's), (8, 50025), (11, 49998), (12, 49992), (14, 49974),

Gene: Casablancas_89 Start: 50413, Stop: 50252, Start Num: 4
Candidate Starts for Casablancas_89:
(Start: 4 @50413 has 23 MA's), (6, 50371), (8, 50311), (12, 50278), (14, 50260),

Gene: DejaVu_84 Start: 50384, Stop: 50223, Start Num: 4
Candidate Starts for DejaVu_84:
(2, 50654), (3, 50624), (Start: 4 @50384 has 23 MA's), (6, 50336), (8, 50276), (13, 50240),

Gene: DustyDino_92 Start: 51636, Stop: 51475, Start Num: 4
Candidate Starts for DustyDino_92:
(Start: 4 @51636 has 23 MA's), (6, 51594), (8, 51534), (12, 51501), (14, 51483),

Gene: Erenyeager_88 Start: 50425, Stop: 50264, Start Num: 4
Candidate Starts for Erenyeager_88:
(Start: 4 @50425 has 23 MA's), (6, 50383), (8, 50323), (12, 50290), (14, 50272),

Gene: Fork_84 Start: 50375, Stop: 50214, Start Num: 4
Candidate Starts for Fork_84:

(Start: 4 @50375 has 23 MA's), (6, 50333), (8, 50273), (12, 50240), (14, 50222),

Gene: HollowPurple_88 Start: 50934, Stop: 50773, Start Num: 4
Candidate Starts for HollowPurple_88:
(Start: 4 @50934 has 23 MA's), (6, 50892), (8, 50832), (12, 50799), (14, 50781),

Gene: Hortus1_83 Start: 50707, Stop: 50540, Start Num: 4
Candidate Starts for Hortus1_83:
(1, 51082), (2, 50977), (3, 50947), (Start: 4 @50707 has 23 MA's), (8, 50599), (11, 50572), (12, 50566), (14, 50548),

Gene: Hubbs_82 Start: 50433, Stop: 50272, Start Num: 4
Candidate Starts for Hubbs_82:
(2, 50703), (3, 50673), (Start: 4 @50433 has 23 MA's), (8, 50325), (13, 50289),

Gene: Issa7_87 Start: 50390, Stop: 50229, Start Num: 4
Candidate Starts for Issa7_87:
(Start: 4 @50390 has 23 MA's), (6, 50348), (8, 50288), (12, 50255), (14, 50237),

Gene: Lupine_83 Start: 50497, Stop: 50336, Start Num: 4
Candidate Starts for Lupine_83:
(2, 50767), (3, 50737), (Start: 4 @50497 has 23 MA's), (6, 50449), (8, 50389), (13, 50353),

Gene: Lyell_88 Start: 50586, Stop: 50425, Start Num: 4
Candidate Starts for Lyell_88:
(Start: 4 @50586 has 23 MA's), (5, 50577), (6, 50544), (8, 50484), (12, 50451),

Gene: Musetta_87 Start: 50925, Stop: 50764, Start Num: 4
Candidate Starts for Musetta_87:
(Start: 4 @50925 has 23 MA's), (6, 50883), (8, 50823), (12, 50790), (14, 50772),

Gene: Necrophoxinus_90 Start: 51272, Stop: 51111, Start Num: 4
Candidate Starts for Necrophoxinus_90:
(Start: 4 @51272 has 23 MA's), (6, 51230), (8, 51170), (9, 51158), (10, 51149), (12, 51137), (14, 51119),

Gene: OlinDD_83 Start: 50712, Stop: 50545, Start Num: 4
Candidate Starts for OlinDD_83:
(1, 51087), (2, 50982), (3, 50952), (Start: 4 @50712 has 23 MA's), (8, 50604), (11, 50577), (12, 50571), (14, 50553),

Gene: Pavlo_83 Start: 50456, Stop: 50295, Start Num: 4
Candidate Starts for Pavlo_83:
(2, 50726), (3, 50696), (Start: 4 @50456 has 23 MA's), (6, 50408), (8, 50348), (13, 50312),

Gene: PhillyPhilly_82 Start: 49993, Stop: 49832, Start Num: 4
Candidate Starts for PhillyPhilly_82:
(Start: 4 @49993 has 23 MA's), (6, 49945), (8, 49885), (13, 49849),

Gene: Pioneer3_83 Start: 50510, Stop: 50343, Start Num: 4
Candidate Starts for Pioneer3_83:
(1, 50885), (2, 50780), (3, 50750), (Start: 4 @50510 has 23 MA's), (8, 50402), (11, 50375), (14, 50351),

Gene: Platte_82 Start: 50278, Stop: 50111, Start Num: 4
Candidate Starts for Platte_82:
(1, 50653), (2, 50548), (3, 50518), (Start: 4 @50278 has 23 MA's), (8, 50170), (11, 50143), (14, 50119),

Gene: Roman_86 Start: 51098, Stop: 50937, Start Num: 4
Candidate Starts for Roman_86:
(2, 51368), (3, 51338), (Start: 4 @51098 has 23 MA's), (6, 51050), (8, 50990), (13, 50954),

Gene: RunningBrook_90 Start: 51636, Stop: 51475, Start Num: 4
Candidate Starts for RunningBrook_90:
(Start: 4 @51636 has 23 MA's), (6, 51594), (8, 51534), (12, 51501), (14, 51483),

Gene: StevieWelch_89 Start: 50729, Stop: 50568, Start Num: 4
Candidate Starts for StevieWelch_89:
(Start: 4 @50729 has 23 MA's), (6, 50687), (7, 50639), (8, 50627), (12, 50594), (14, 50576),

Gene: Tandem_83 Start: 50590, Stop: 50423, Start Num: 4
Candidate Starts for Tandem_83:
(Start: 4 @50590 has 23 MA's), (8, 50482), (11, 50455), (12, 50449), (14, 50431),

Gene: Welcome_90 Start: 51088, Stop: 50927, Start Num: 4
Candidate Starts for Welcome_90:
(Start: 4 @51088 has 23 MA's), (6, 51046), (8, 50986), (12, 50953), (14, 50935),

Gene: Yuma_87 Start: 50597, Stop: 50436, Start Num: 4
Candidate Starts for Yuma_87:
(Start: 4 @50597 has 23 MA's), (6, 50555), (8, 50495), (12, 50462), (14, 50444),