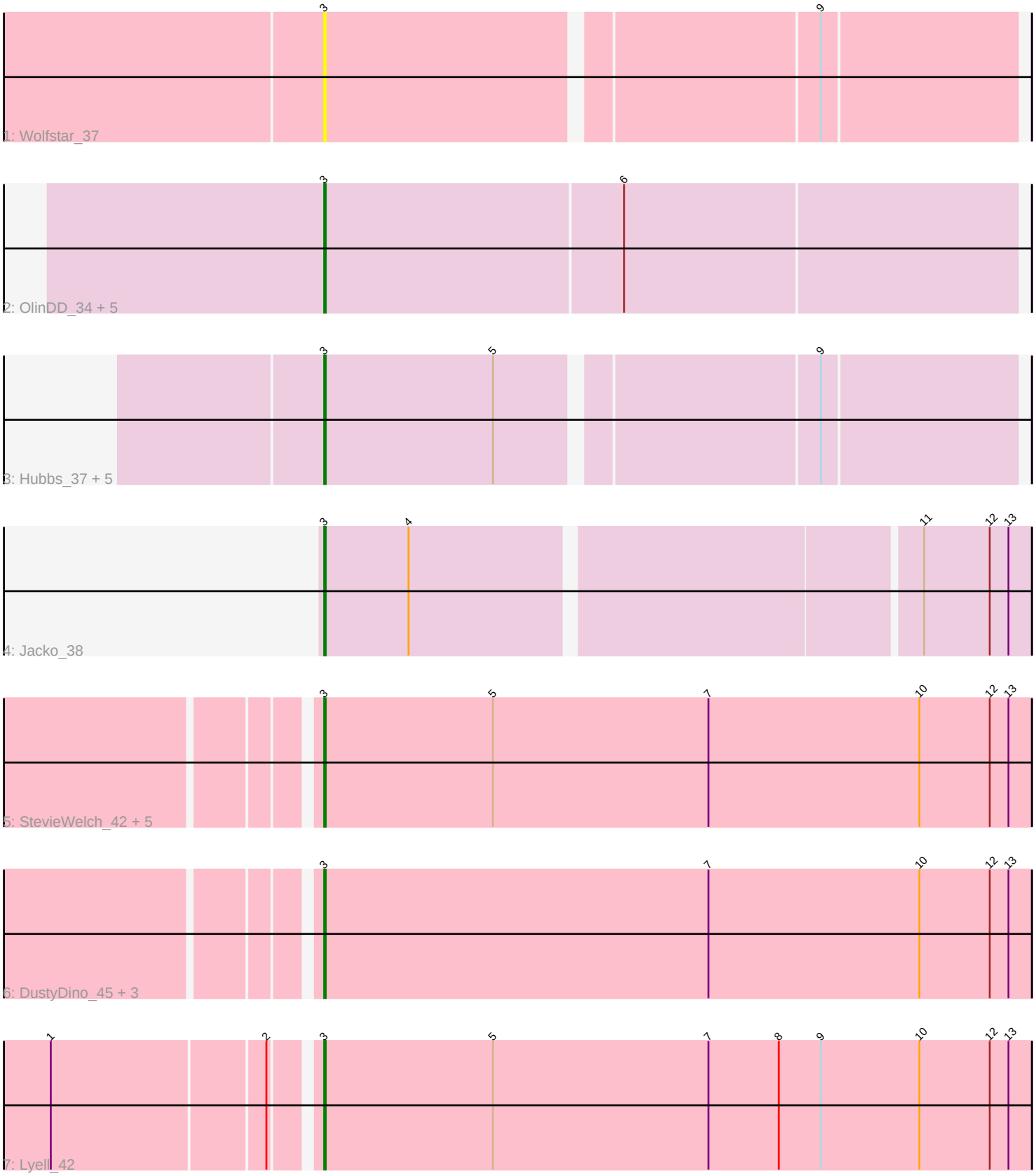
Pham 3542


3
9
1: Wolfstar_37
3
6
2: OlinDD_34 + 5
3
5
9
3: Hubbs_37 + 5
3
4
11
12
13
4: Jacko_38
3
5
7
10
12
13
5: StevieWelch_42 + 5
3
7
10
12
13
6: DustyDino_45 + 3
1
2
3
5
7
8
9
10
12
13
7: Lyell_42

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 3542 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 3542 has 25 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Wolfstar_37
• Track 2 : OlinDD_34, Hortus1_34, Pioneer3_34, Tandem_34, Platte_34, Alleb_35
• Track 3 : Hubbs_37, Roman_37, Lupine_35, Pavlo_35, PhillyPhilly_36, DejaVu_38
• Track 4 : Jacko_38
• Track 5 : StevieWelch_42, Musetta_42, Necrophoxinus_44, Fork_38, ASegato_41, Welcome_43
• Track 6 : DustyDino_45, Erenyeager_42, RunningBrook_44, Yuma_41
• Track 7 : Lyell_42

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 22 of the 22 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• ASegato_41, Alleb_35, DejaVu_38, DustyDino_45, Erenyeager_42, Fork_38, Hortus1_34, Hubbs_37, Jacko_38, Lupine_35, Lyell_42, Musetta_42, Necrophoxinus_44, OlinDD_34, Pavlo_35, PhillyPhilly_36, Pioneer3_34, Platte_34, Roman_37, RunningBrook_44, StevieWelch_42, Tandem_34, Welcome_43, Wolfstar_37, Yuma_41,

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 3:

• 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_41 (ED2), Alleb_35 (ED1), DejaVu_38 (ED1), DustyDino_45 (ED2), Erenyeager_42 (ED2), Fork_38 (ED2), Hortus1_34 (ED1), Hubbs_37 (ED1), Jacko_38 (ED1), Lupine_35 (ED1), Lyell_42 (ED2), Musetta_42 (ED2), Necrophoxinus_44 (ED2), OlinDD_34 (ED1), Pavlo_35 (ED1), PhillyPhilly_36 (ED1), Pioneer3_34 (ED1), Platte_34 (ED1), Roman_37 (ED1), RunningBrook_44 (ED2), StevieWelch_42 (ED2), Tandem_34 (ED1), Welcome_43 (ED2), Wolfstar_37 (ED), Yuma_41 (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 3 was manually annotated 9 times for cluster ED2.

Gene Information:

Gene: ASegato_41 Start: 17204, Stop: 17656, Start Num: 3
Candidate Starts for ASegato_41:
(Start: 3 @17204 has 22 MA's), (5, 17312), (7, 17450), (10, 17585), (12, 17630), (13, 17642),

Gene: Alleb_35 Start: 15737, Stop: 16174, Start Num: 3
Candidate Starts for Alleb_35:
(Start: 3 @15737 has 22 MA's), (6, 15926),

Gene: DejaVu_38 Start: 16531, Stop: 16953, Start Num: 3
Candidate Starts for DejaVu_38:
(Start: 3 @16531 has 22 MA's), (5, 16639), (9, 16831),

Gene: DustyDino_45 Start: 18143, Stop: 18595, Start Num: 3
Candidate Starts for DustyDino_45:
(Start: 3 @18143 has 22 MA's), (7, 18389), (10, 18524), (12, 18569), (13, 18581),

Gene: Erenyeager_42 Start: 17538, Stop: 17990, Start Num: 3
Candidate Starts for Erenyeager_42:
(Start: 3 @17538 has 22 MA's), (7, 17784), (10, 17919), (12, 17964), (13, 17976),

Gene: Fork_38 Start: 16853, Stop: 17305, Start Num: 3
Candidate Starts for Fork_38:
(Start: 3 @16853 has 22 MA's), (5, 16961), (7, 17099), (10, 17234), (12, 17279), (13, 17291),

Gene: Hortus1_34 Start: 15751, Stop: 16188, Start Num: 3
Candidate Starts for Hortus1_34:
(Start: 3 @15751 has 22 MA's), (6, 15940),

Gene: Hubbs_37 Start: 16743, Stop: 17165, Start Num: 3
Candidate Starts for Hubbs_37:
(Start: 3 @16743 has 22 MA's), (5, 16851), (9, 17043),

Gene: Jacko_38 Start: 16235, Stop: 16666, Start Num: 3
Candidate Starts for Jacko_38:
(Start: 3 @16235 has 22 MA's), (4, 16289), (11, 16598), (12, 16640), (13, 16652),

Gene: Lupine_35 Start: 15944, Stop: 16366, Start Num: 3
Candidate Starts for Lupine_35:
(Start: 3 @15944 has 22 MA's), (5, 16052), (9, 16244),

Gene: Lyell_42 Start: 17461, Stop: 17913, Start Num: 3
Candidate Starts for Lyell_42:
(1, 17305), (2, 17437), (Start: 3 @17461 has 22 MA's), (5, 17569), (7, 17707), (8, 17752), (9, 17779), (10, 17842), (12, 17887), (13, 17899),

Gene: Musetta_42 Start: 17572, Stop: 18024, Start Num: 3
Candidate Starts for Musetta_42:
(Start: 3 @17572 has 22 MA's), (5, 17680), (7, 17818), (10, 17953), (12, 17998), (13, 18010),

Gene: Necrophoxinus_44 Start: 18151, Stop: 18603, Start Num: 3
Candidate Starts for Necrophoxinus_44:
(Start: 3 @18151 has 22 MA's), (5, 18259), (7, 18397), (10, 18532), (12, 18577), (13, 18589),

Gene: OlinDD_34 Start: 15750, Stop: 16187, Start Num: 3
Candidate Starts for OlinDD_34:
(Start: 3 @15750 has 22 MA's), (6, 15939),

Gene: Pavlo_35 Start: 16219, Stop: 16641, Start Num: 3
Candidate Starts for Pavlo_35:
(Start: 3 @16219 has 22 MA's), (5, 16327), (9, 16519),

Gene: PhillyPhilly_36 Start: 16124, Stop: 16546, Start Num: 3
Candidate Starts for PhillyPhilly_36:
(Start: 3 @16124 has 22 MA's), (5, 16232), (9, 16424),

Gene: Pioneer3_34 Start: 15734, Stop: 16171, Start Num: 3
Candidate Starts for Pioneer3_34:
(Start: 3 @15734 has 22 MA's), (6, 15923),

Gene: Platte_34 Start: 15519, Stop: 15956, Start Num: 3
Candidate Starts for Platte_34:
(Start: 3 @15519 has 22 MA's), (6, 15708),

Gene: Roman_37 Start: 16590, Stop: 17012, Start Num: 3
Candidate Starts for Roman_37:
(Start: 3 @16590 has 22 MA's), (5, 16698), (9, 16890),

Gene: RunningBrook_44 Start: 18143, Stop: 18595, Start Num: 3
Candidate Starts for RunningBrook_44:
(Start: 3 @18143 has 22 MA's), (7, 18389), (10, 18524), (12, 18569), (13, 18581),

Gene: StevieWelch_42 Start: 17543, Stop: 17995, Start Num: 3
Candidate Starts for StevieWelch_42:
(Start: 3 @17543 has 22 MA's), (5, 17651), (7, 17789), (10, 17924), (12, 17969), (13, 17981),

Gene: Tandem_34 Start: 15673, Stop: 16110, Start Num: 3
Candidate Starts for Tandem_34:
(Start: 3 @15673 has 22 MA's), (6, 15862),

Gene: Welcome_43 Start: 17560, Stop: 18012, Start Num: 3
Candidate Starts for Welcome_43:
(Start: 3 @17560 has 22 MA's), (5, 17668), (7, 17806), (10, 17941), (12, 17986), (13, 17998),

Gene: Wolfstar_37 Start: 16526, Stop: 16948, Start Num: 3
Candidate Starts for Wolfstar_37:
(Start: 3 @16526 has 22 MA's), (9, 16826),

Gene: Yuma_41 Start: 17471, Stop: 17923, Start Num: 3
Candidate Starts for Yuma_41:
(Start: 3 @17471 has 22 MA's), (7, 17717), (10, 17852), (12, 17897), (13, 17909),