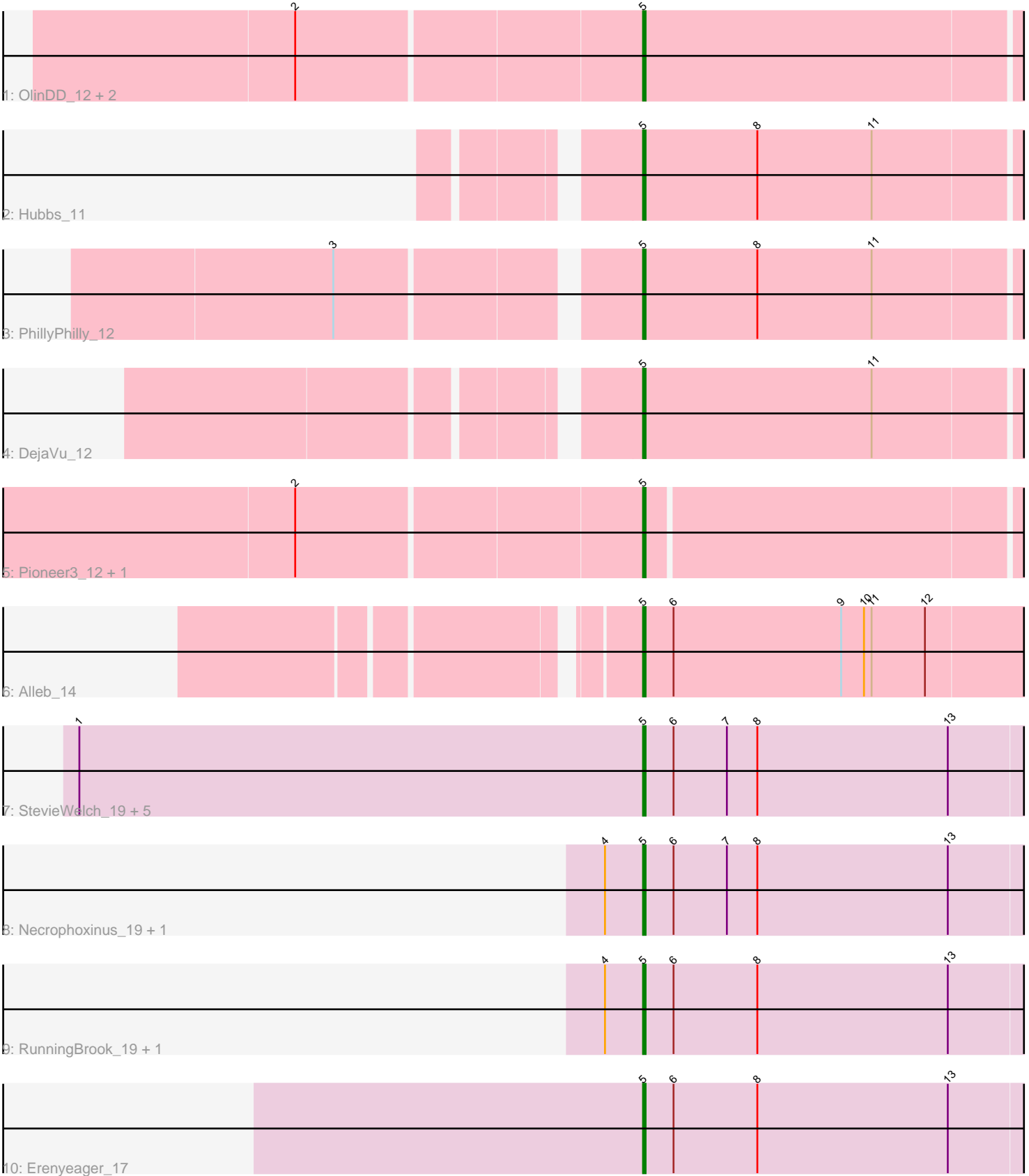


Pham 86579



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 86579 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 86579 has 20 members, 2 are drafts.

Phages represented in each track:

- Track 1 : OlinDD_12, Hortus1_12, Tandem_12
- Track 2 : Hubbs_11
- Track 3 : PhillyPhilly_12
- Track 4 : DejaVu_12
- Track 5 : Pioneer3_12, Platte_12
- Track 6 : Alleb_14
- Track 7 : StevieWelch_19, Musetta_18, ASegato_17, Welcome_18, Fork_16, Yuma_18
- Track 8 : Necrophoxinus_19, Lyell_19
- Track 9 : RunningBrook_19, DustyDino_19
- Track 10 : Erenyeager_17

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 18 of the 18 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- ASegato_17, Alleb_14, DejaVu_12, DustyDino_19, Erenyeager_17, Fork_16, Hortus1_12, Hubbs_11, Lyell_19, Musetta_18, Necrophoxinus_19, OlinDD_12, PhillyPhilly_12, Pioneer3_12, Platte_12, RunningBrook_19, StevieWelch_19, Tandem_12, Welcome_18, Yuma_18,

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 5:

- Found in 20 of 20 (100.0%) of genes in pham
- Manual Annotations of this start: 18 of 18
- Called 100.0% of time when present
- Phage (with cluster) where this start called: ASegato_17 (ED2), Alleb_14 (ED1), DejaVu_12 (ED1), DustyDino_19 (ED2), Erenyeager_17 (ED2), Fork_16 (ED2), Hortus1_12 (ED1), Hubbs_11 (ED1), Lyell_19 (ED2), Musetta_18 (ED2), Necrophoxinus_19 (ED2), OlinDD_12 (ED1), PhillyPhilly_12 (ED1), Pioneer3_12 (ED1), Platte_12 (ED1), RunningBrook_19 (ED2), StevieWelch_19 (ED2), Tandem_12 (ED1), Welcome_18 (ED2), Yuma_18 (ED2),

Summary by clusters:

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

Info for manual annotations of cluster ED1:

- Start number 5 was manually annotated 9 times for cluster ED1.

Info for manual annotations of cluster ED2:

- Start number 5 was manually annotated 9 times for cluster ED2.

Gene Information:

Gene: ASegato_17 Start: 6061, Stop: 6261, Start Num: 5

Candidate Starts for ASegato_17:

(1, 5839), (Start: 5 @6061 has 18 MA's), (6, 6073), (7, 6094), (8, 6106), (13, 6181),

Gene: Alleb_14 Start: 4868, Stop: 5059, Start Num: 5

Candidate Starts for Alleb_14:

(Start: 5 @4868 has 18 MA's), (6, 4880), (9, 4946), (10, 4955), (11, 4958), (12, 4979),

Gene: DejaVu_12 Start: 4200, Stop: 4388, Start Num: 5

Candidate Starts for DejaVu_12:

(Start: 5 @4200 has 18 MA's), (11, 4290),

Gene: DustyDino_19 Start: 6462, Stop: 6662, Start Num: 5

Candidate Starts for DustyDino_19:

(4, 6447), (Start: 5 @6462 has 18 MA's), (6, 6474), (8, 6507), (13, 6582),

Gene: Erenyeager_17 Start: 5979, Stop: 6179, Start Num: 5

Candidate Starts for Erenyeager_17:

(Start: 5 @5979 has 18 MA's), (6, 5991), (8, 6024), (13, 6099),

Gene: Fork_16 Start: 5721, Stop: 5921, Start Num: 5

Candidate Starts for Fork_16:

(1, 5499), (Start: 5 @5721 has 18 MA's), (6, 5733), (7, 5754), (8, 5766), (13, 5841),

Gene: Hortus1_12 Start: 4664, Stop: 4852, Start Num: 5

Candidate Starts for Hortus1_12:

(2, 4532), (Start: 5 @4664 has 18 MA's),

Gene: Hubbs_11 Start: 4384, Stop: 4572, Start Num: 5

Candidate Starts for Hubbs_11:

(Start: 5 @4384 has 18 MA's), (8, 4429), (11, 4474),

Gene: Lyell_19 Start: 6183, Stop: 6383, Start Num: 5

Candidate Starts for Lyell_19:

(4, 6168), (Start: 5 @6183 has 18 MA's), (6, 6195), (7, 6216), (8, 6228), (13, 6303),

Gene: Musetta_18 Start: 6195, Stop: 6395, Start Num: 5

Candidate Starts for Musetta_18:

(1, 5973), (Start: 5 @6195 has 18 MA's), (6, 6207), (7, 6228), (8, 6240), (13, 6315),

Gene: Necrophoxinus_19 Start: 6544, Stop: 6744, Start Num: 5

Candidate Starts for Necrophoxinus_19:

(4, 6529), (Start: 5 @6544 has 18 MA's), (6, 6556), (7, 6577), (8, 6589), (13, 6664),

Gene: OlinDD_12 Start: 4663, Stop: 4851, Start Num: 5

Candidate Starts for OlinDD_12:

(2, 4531), (Start: 5 @4663 has 18 MA's),

Gene: PhillyPhilly_12 Start: 4496, Stop: 4753, Start Num: 5

Candidate Starts for PhillyPhilly_12:

(3, 4388), (Start: 5 @4496 has 18 MA's), (8, 4541), (11, 4586),

Gene: Pioneer3_12 Start: 4687, Stop: 4872, Start Num: 5

Candidate Starts for Pioneer3_12:

(2, 4555), (Start: 5 @4687 has 18 MA's),

Gene: Platte_12 Start: 4488, Stop: 4676, Start Num: 5

Candidate Starts for Platte_12:

(2, 4356), (Start: 5 @4488 has 18 MA's),

Gene: RunningBrook_19 Start: 6462, Stop: 6662, Start Num: 5

Candidate Starts for RunningBrook_19:

(4, 6447), (Start: 5 @6462 has 18 MA's), (6, 6474), (8, 6507), (13, 6582),

Gene: StevieWelch_19 Start: 6345, Stop: 6545, Start Num: 5

Candidate Starts for StevieWelch_19:

(1, 6123), (Start: 5 @6345 has 18 MA's), (6, 6357), (7, 6378), (8, 6390), (13, 6465),

Gene: Tandem_12 Start: 4601, Stop: 4789, Start Num: 5

Candidate Starts for Tandem_12:

(2, 4469), (Start: 5 @4601 has 18 MA's),

Gene: Welcome_18 Start: 6191, Stop: 6391, Start Num: 5

Candidate Starts for Welcome_18:

(1, 5969), (Start: 5 @6191 has 18 MA's), (6, 6203), (7, 6224), (8, 6236), (13, 6311),

Gene: Yuma_18 Start: 6094, Stop: 6294, Start Num: 5

Candidate Starts for Yuma_18:

(1, 5872), (Start: 5 @6094 has 18 MA's), (6, 6106), (7, 6127), (8, 6139), (13, 6214),