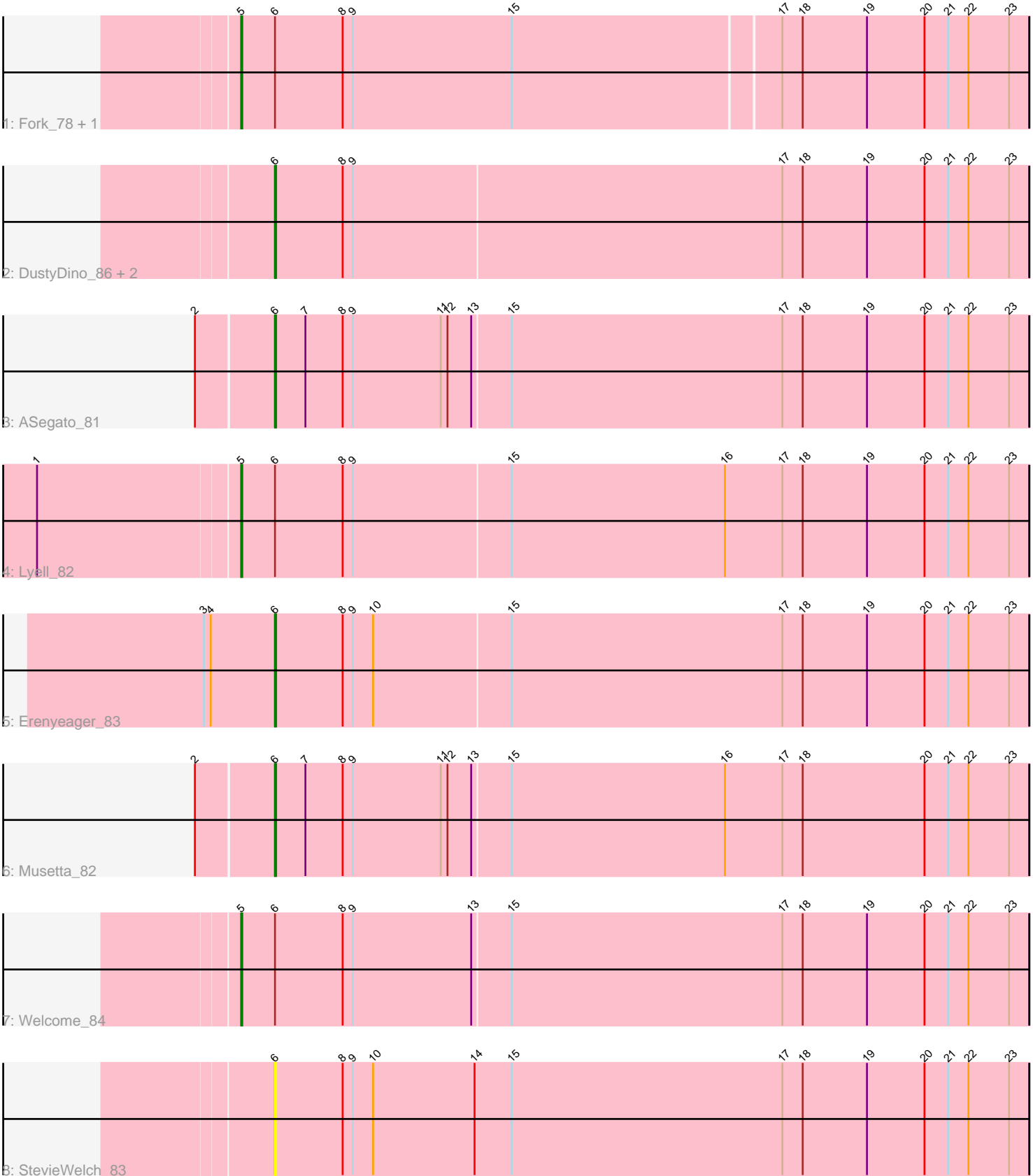


Pham 6482



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 6482 Report

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

Pham number 6482 has 11 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Fork_78, Necrophoxinus_84
- Track 2 : DustyDino_86, RunningBrook_85, Yuma_81
- Track 3 : ASegato_81
- Track 4 : Lyell_82
- Track 5 : Erenyeager_83
- Track 6 : Musetta_82
- Track 7 : Welcome_84
- Track 8 : StevieWelch_83

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

The start number called the most often in the published annotations is 6, it was called in 5 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- ASegato_81, DustyDino_86, Erenyeager_83, Musetta_82, RunningBrook_85, StevieWelch_83, Yuma_81,

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

- Fork_78, Lyell_82, Necrophoxinus_84, Welcome_84,

Genes that do not have the "Most Annotated" start:

-

Summary by start number:

Start 5:

- Found in 4 of 11 (36.4%) of genes in pham
- Manual Annotations of this start: 4 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Fork_78 (ED2), Lyell_82 (ED2), Necrophoxinus_84 (ED2), Welcome_84 (ED2),

Start 6:

- Found in 11 of 11 (100.0%) of genes in pham
- Manual Annotations of this start: 5 of 9
- Called 63.6% of time when present
- Phage (with cluster) where this start called: ASegato_81 (ED2), DustyDino_86 (ED2), Erenyeager_83 (ED2), Musetta_82 (ED2), RunningBrook_85 (ED2), StevieWelch_83 (ED2), Yuma_81 (ED2),

Summary by clusters:

There is one cluster represented in this pham: ED2

Info for manual annotations of cluster ED2:

- Start number 5 was manually annotated 4 times for cluster ED2.
- Start number 6 was manually annotated 5 times for cluster ED2.

Gene Information:

Gene: ASegato_81 Start: 47945, Stop: 47280, Start Num: 6

Candidate Starts for ASegato_81:

(2, 48011), (Start: 6 @47945 has 5 MA's), (7, 47918), (8, 47885), (9, 47876), (11, 47798), (12, 47792), (13, 47771), (15, 47738), (17, 47498), (18, 47480), (19, 47423), (20, 47372), (21, 47351), (22, 47333), (23, 47297),

Gene: DustyDino_86 Start: 48914, Stop: 48249, Start Num: 6

Candidate Starts for DustyDino_86:

(Start: 6 @48914 has 5 MA's), (8, 48854), (9, 48845), (17, 48467), (18, 48449), (19, 48392), (20, 48341), (21, 48320), (22, 48302), (23, 48266),

Gene: Erenyeager_83 Start: 48004, Stop: 47339, Start Num: 6

Candidate Starts for Erenyeager_83:

(3, 48067), (4, 48061), (Start: 6 @48004 has 5 MA's), (8, 47944), (9, 47935), (10, 47917), (15, 47797), (17, 47557), (18, 47539), (19, 47482), (20, 47431), (21, 47410), (22, 47392), (23, 47356),

Gene: Fork_78 Start: 47682, Stop: 46993, Start Num: 5

Candidate Starts for Fork_78:

(Start: 5 @47682 has 4 MA's), (Start: 6 @47652 has 5 MA's), (8, 47592), (9, 47583), (15, 47442), (17, 47211), (18, 47193), (19, 47136), (20, 47085), (21, 47064), (22, 47046), (23, 47010),

Gene: Lyell_82 Start: 47893, Stop: 47198, Start Num: 5

Candidate Starts for Lyell_82:

(1, 48067), (Start: 5 @47893 has 4 MA's), (Start: 6 @47863 has 5 MA's), (8, 47803), (9, 47794), (15, 47656), (16, 47467), (17, 47416), (18, 47398), (19, 47341), (20, 47290), (21, 47269), (22, 47251), (23, 47215),

Gene: Musetta_82 Start: 48374, Stop: 47709, Start Num: 6

Candidate Starts for Musetta_82:

(2, 48440), (Start: 6 @48374 has 5 MA's), (7, 48347), (8, 48314), (9, 48305), (11, 48227), (12, 48221), (13, 48200), (15, 48167), (16, 47978), (17, 47927), (18, 47909), (20, 47801), (21, 47780), (22, 47762), (23, 47726),

Gene: Necrophoxinus_84 Start: 48579, Stop: 47890, Start Num: 5

Candidate Starts for Necrophoxinus_84:

(Start: 5 @48579 has 4 MA's), (Start: 6 @48549 has 5 MA's), (8, 48489), (9, 48480), (15, 48339), (17, 48108), (18, 48090), (19, 48033), (20, 47982), (21, 47961), (22, 47943), (23, 47907),

Gene: RunningBrook_85 Start: 48914, Stop: 48249, Start Num: 6

Candidate Starts for RunningBrook_85:

(Start: 6 @48914 has 5 MA's), (8, 48854), (9, 48845), (17, 48467), (18, 48449), (19, 48392), (20, 48341), (21, 48320), (22, 48302), (23, 48266),

Gene: StevieWelch_83 Start: 48006, Stop: 47338, Start Num: 6

Candidate Starts for StevieWelch_83:

(Start: 6 @48006 has 5 MA's), (8, 47946), (9, 47937), (10, 47919), (14, 47829), (15, 47796), (17, 47556), (18, 47538), (19, 47481), (20, 47430), (21, 47409), (22, 47391), (23, 47355),

Gene: Welcome_84 Start: 48396, Stop: 47701, Start Num: 5

Candidate Starts for Welcome_84:

(Start: 5 @48396 has 4 MA's), (Start: 6 @48366 has 5 MA's), (8, 48306), (9, 48297), (13, 48192), (15, 48159), (17, 47919), (18, 47901), (19, 47844), (20, 47793), (21, 47772), (22, 47754), (23, 47718),

Gene: Yuma_81 Start: 47875, Stop: 47210, Start Num: 6

Candidate Starts for Yuma_81:

(Start: 6 @47875 has 5 MA's), (8, 47815), (9, 47806), (17, 47428), (18, 47410), (19, 47353), (20, 47302), (21, 47281), (22, 47263), (23, 47227),