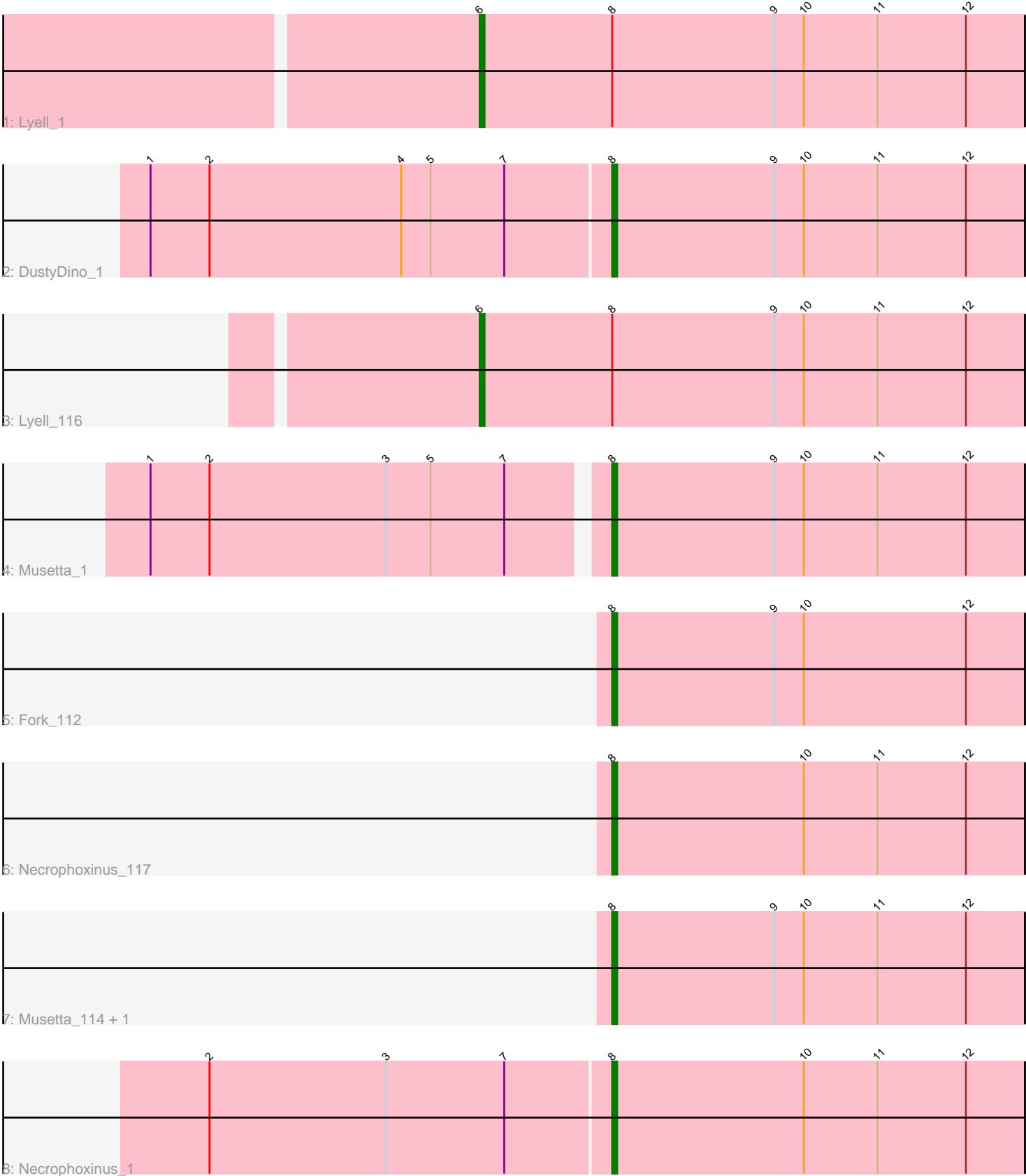


Pham 6030



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 6030 Report

This analysis was run 03/30/24 on database version 556.

Pham number 6030 has 9 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Lyell_1
- Track 2 : DustyDino_1
- Track 3 : Lyell_116
- Track 4 : Musetta_1
- Track 5 : Fork_112
- Track 6 : Necrophoxinus_117
- Track 7 : Musetta_114, DustyDino_119
- Track 8 : Necrophoxinus_1

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

The start number called the most often in the published annotations is 8, it was called in 7 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- DustyDino_1, DustyDino_119, Fork_112, Musetta_1, Musetta_114, Necrophoxinus_1, Necrophoxinus_117,

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

- Lyell_1, Lyell_116,

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

-

Summary by start number:

Start 6:

- Found in 2 of 9 (22.2%) of genes in pham
- Manual Annotations of this start: 2 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Lyell_1 (ED2), Lyell_116 (ED2),

Start 8:

- Found in 9 of 9 (100.0%) of genes in pham

- Manual Annotations of this start: 7 of 9
- Called 77.8% of time when present
- Phage (with cluster) where this start called: DustyDino_1 (ED2), DustyDino_119 (ED2), Fork_112 (ED2), Musetta_1 (ED2), Musetta_114 (ED2), Necrophoxinus_1 (ED2), Necrophoxinus_117 (ED2),

Summary by clusters:

There is one cluster represented in this pham: ED2

Info for manual annotations of cluster ED2:

- Start number 6 was manually annotated 2 times for cluster ED2.
- Start number 8 was manually annotated 7 times for cluster ED2.

Gene Information:

Gene: DustyDino_1 Start: 292, Stop: 209, Start Num: 8

Candidate Starts for DustyDino_1:

(1, 385), (2, 373), (4, 334), (5, 328), (7, 313), (Start: 8 @292 has 7 MA's), (9, 259), (10, 253), (11, 238), (12, 220),

Gene: DustyDino_119 Start: 60382, Stop: 60299, Start Num: 8

Candidate Starts for DustyDino_119:

(Start: 8 @60382 has 7 MA's), (9, 60349), (10, 60343), (11, 60328), (12, 60310),

Gene: Fork_112 Start: 59289, Stop: 59206, Start Num: 8

Candidate Starts for Fork_112:

(Start: 8 @59289 has 7 MA's), (9, 59256), (10, 59250), (12, 59217),

Gene: Lyell_1 Start: 319, Stop: 209, Start Num: 6

Candidate Starts for Lyell_1:

(Start: 6 @319 has 2 MA's), (Start: 8 @292 has 7 MA's), (9, 259), (10, 253), (11, 238), (12, 220),

Gene: Lyell_116 Start: 59486, Stop: 59376, Start Num: 6

Candidate Starts for Lyell_116:

(Start: 6 @59486 has 2 MA's), (Start: 8 @59459 has 7 MA's), (9, 59426), (10, 59420), (11, 59405), (12, 59387),

Gene: Musetta_1 Start: 293, Stop: 210, Start Num: 8

Candidate Starts for Musetta_1:

(1, 383), (2, 371), (3, 335), (5, 326), (7, 311), (Start: 8 @293 has 7 MA's), (9, 260), (10, 254), (11, 239), (12, 221),

Gene: Musetta_114 Start: 60088, Stop: 60005, Start Num: 8

Candidate Starts for Musetta_114:

(Start: 8 @60088 has 7 MA's), (9, 60055), (10, 60049), (11, 60034), (12, 60016),

Gene: Necrophoxinus_117 Start: 60536, Stop: 60453, Start Num: 8

Candidate Starts for Necrophoxinus_117:

(Start: 8 @60536 has 7 MA's), (10, 60497), (11, 60482), (12, 60464),

Gene: Necrophoxinus_1 Start: 293, Stop: 210, Start Num: 8

Candidate Starts for Necrophoxinus_1:

(2, 374), (3, 338), (7, 314), (Start: 8 @293 has 7 MA's), (10, 254), (11, 239), (12, 221),