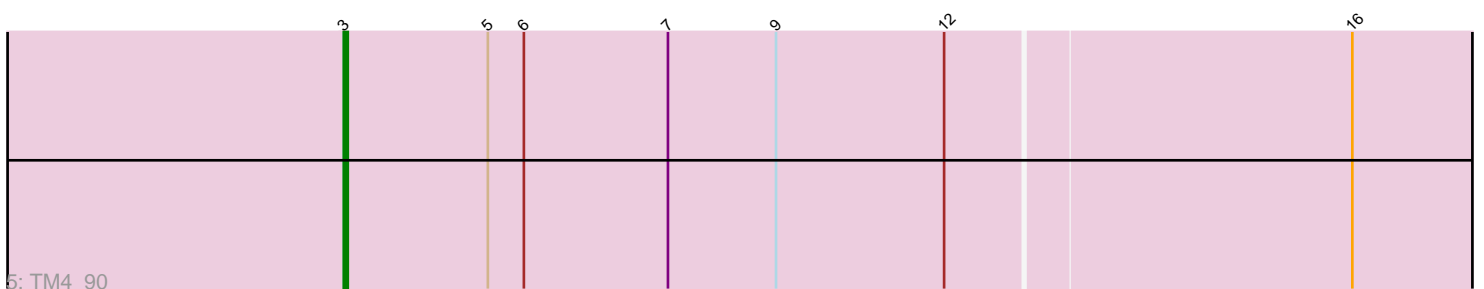
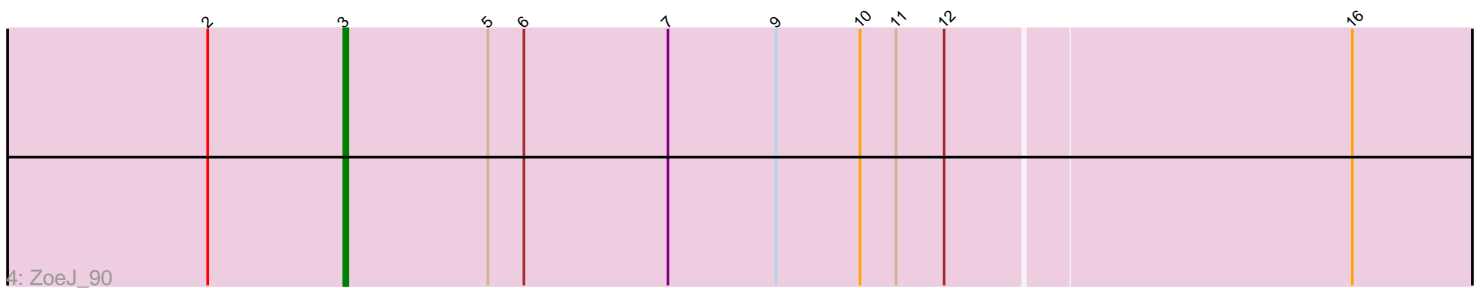
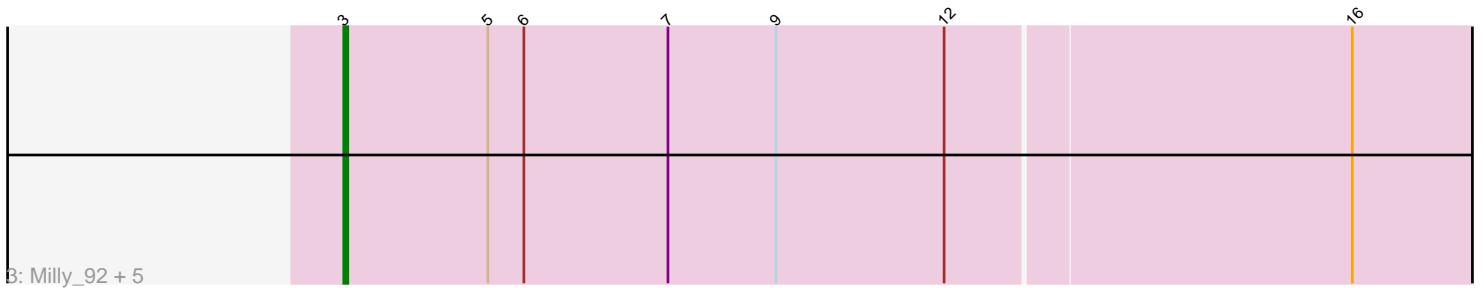
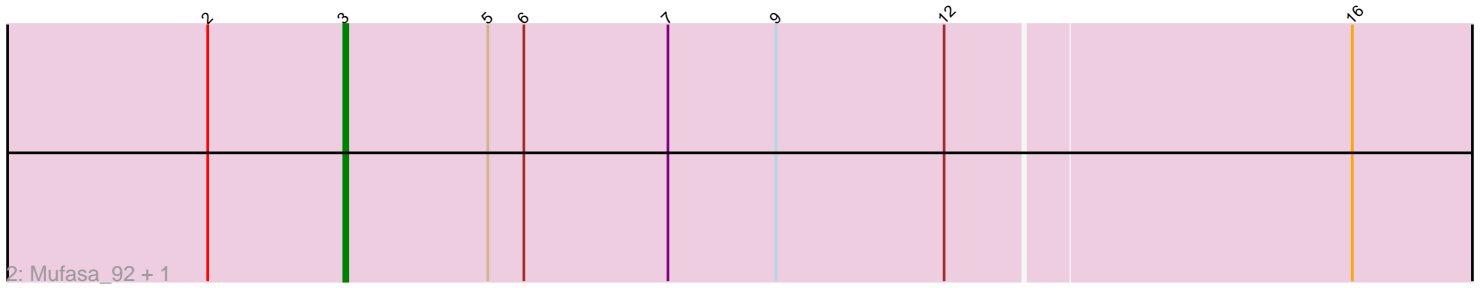
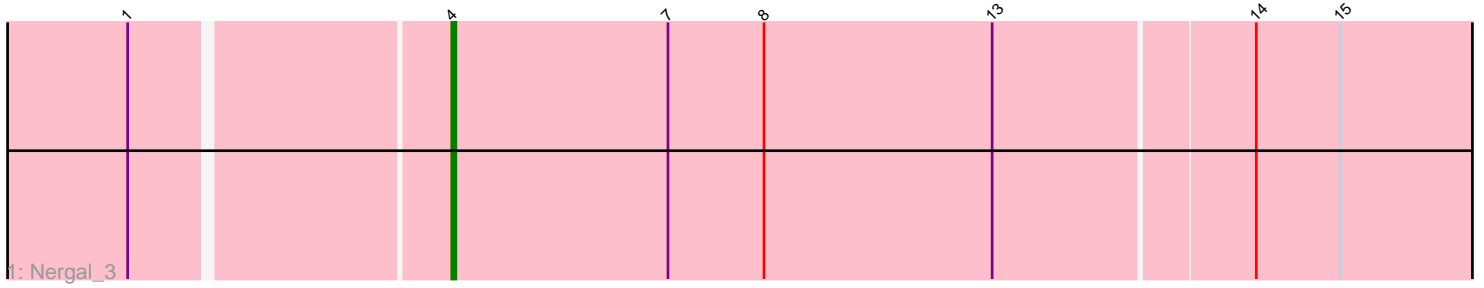


Pham 158340



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 158340 Report

This analysis was run 04/13/24 on database version 558.

Pham number 158340 has 11 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Nergal_3
- Track 2 : Mufasa_92, BoostSeason_92
- Track 3 : Milly_92, Marcoliusprime_90, Strobilo_98, DismalStressor_92, Findley_92, DismalFunk_92
- Track 4 : ZoeJ_90
- Track 5 : TM4_90

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 9 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- BoostSeason_92, DismalFunk_92, DismalStressor_92, Findley_92, Marcoliusprime_90, Milly_92, Mufasa_92, Strobilo_98, TM4_90, ZoeJ_90,

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

-

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

- Nergal_3,

Summary by start number:

Start 3:

- Found in 10 of 11 (90.9%) of genes in pham
- Manual Annotations of this start: 9 of 10
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BoostSeason_92 (K2), DismalFunk_92 (K2), DismalStressor_92 (K2), Findley_92 (K2), Marcoliusprime_90 (K2), Milly_92 (K2), Mufasa_92 (K2), Strobilo_98 (K2), TM4_90 (K2), ZoeJ_90 (K2),

Start 4:

- Found in 1 of 11 (9.1%) of genes in pham

- Manual Annotations of this start: 1 of 10
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Nergal_3 (AG),

Summary by clusters:

There are 2 clusters represented in this pham: K2, AG,

Info for manual annotations of cluster AG:

- Start number 4 was manually annotated 1 time for cluster AG.

Info for manual annotations of cluster K2:

- Start number 3 was manually annotated 9 times for cluster K2.

Gene Information:

Gene: BoostSeason_92 Start: 57164, Stop: 57460, Start Num: 3

Candidate Starts for BoostSeason_92:

(2, 57131), (Start: 3 @57164 has 9 MA's), (5, 57200), (6, 57209), (7, 57245), (9, 57272), (12, 57314), (16, 57413),

Gene: DismalFunk_92 Start: 57214, Stop: 57510, Start Num: 3

Candidate Starts for DismalFunk_92:

(Start: 3 @57214 has 9 MA's), (5, 57250), (6, 57259), (7, 57295), (9, 57322), (12, 57364), (16, 57463),

Gene: DismalStressor_92 Start: 57214, Stop: 57510, Start Num: 3

Candidate Starts for DismalStressor_92:

(Start: 3 @57214 has 9 MA's), (5, 57250), (6, 57259), (7, 57295), (9, 57322), (12, 57364), (16, 57463),

Gene: Findley_92 Start: 57233, Stop: 57529, Start Num: 3

Candidate Starts for Findley_92:

(Start: 3 @57233 has 9 MA's), (5, 57269), (6, 57278), (7, 57314), (9, 57341), (12, 57383), (16, 57482),

Gene: Marcoliusprime_90 Start: 57214, Stop: 57510, Start Num: 3

Candidate Starts for Marcoliusprime_90:

(Start: 3 @57214 has 9 MA's), (5, 57250), (6, 57259), (7, 57295), (9, 57322), (12, 57364), (16, 57463),

Gene: Milly_92 Start: 57296, Stop: 57592, Start Num: 3

Candidate Starts for Milly_92:

(Start: 3 @57296 has 9 MA's), (5, 57332), (6, 57341), (7, 57377), (9, 57404), (12, 57446), (16, 57545),

Gene: Mufasa_92 Start: 57151, Stop: 57447, Start Num: 3

Candidate Starts for Mufasa_92:

(2, 57118), (Start: 3 @57151 has 9 MA's), (5, 57187), (6, 57196), (7, 57232), (9, 57259), (12, 57301), (16, 57400),

Gene: Nergal_3 Start: 1079, Stop: 1348, Start Num: 4

Candidate Starts for Nergal_3:

(1, 1004), (Start: 4 @1079 has 1 MA's), (7, 1133), (8, 1157), (13, 1214), (14, 1277), (15, 1298),

Gene: Strobilo_98 Start: 57212, Stop: 57508, Start Num: 3

Candidate Starts for Strobilo_98:

(Start: 3 @57212 has 9 MA's), (5, 57248), (6, 57257), (7, 57293), (9, 57320), (12, 57362), (16, 57461),

Gene: TM4_90 Start: 51883, Stop: 52179, Start Num: 3

Candidate Starts for TM4_90:

(Start: 3 @51883 has 9 MA's), (5, 51919), (6, 51928), (7, 51964), (9, 51991), (12, 52033), (16, 52132),

Gene: ZoeJ_90 Start: 56403, Stop: 56699, Start Num: 3

Candidate Starts for ZoeJ_90:

(2, 56370), (Start: 3 @56403 has 9 MA's), (5, 56439), (6, 56448), (7, 56484), (9, 56511), (10, 56532),
(11, 56541), (12, 56553), (16, 56652),