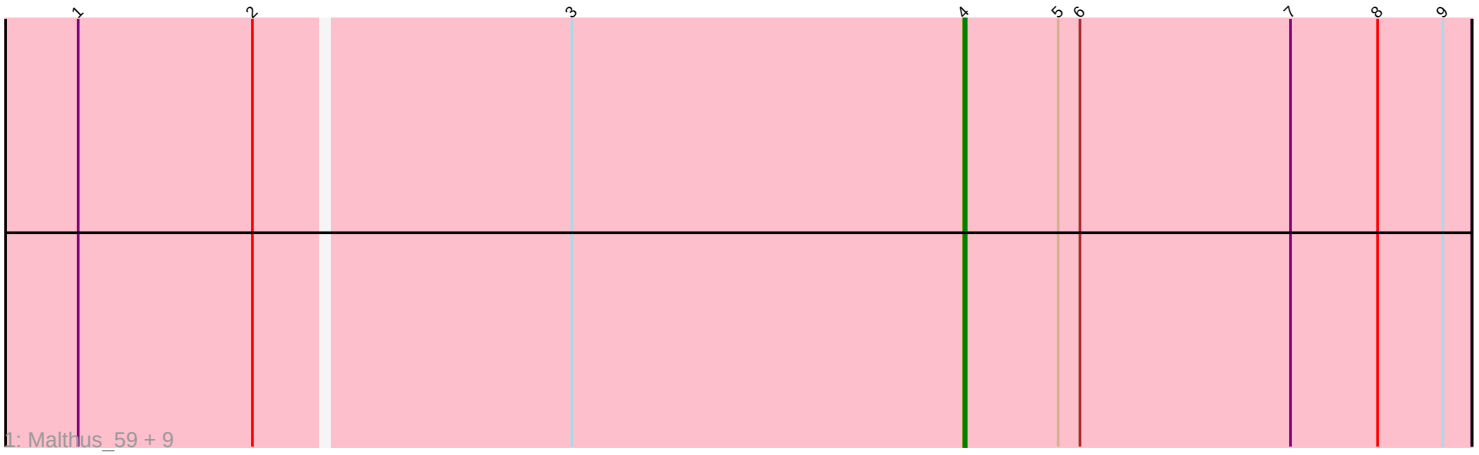
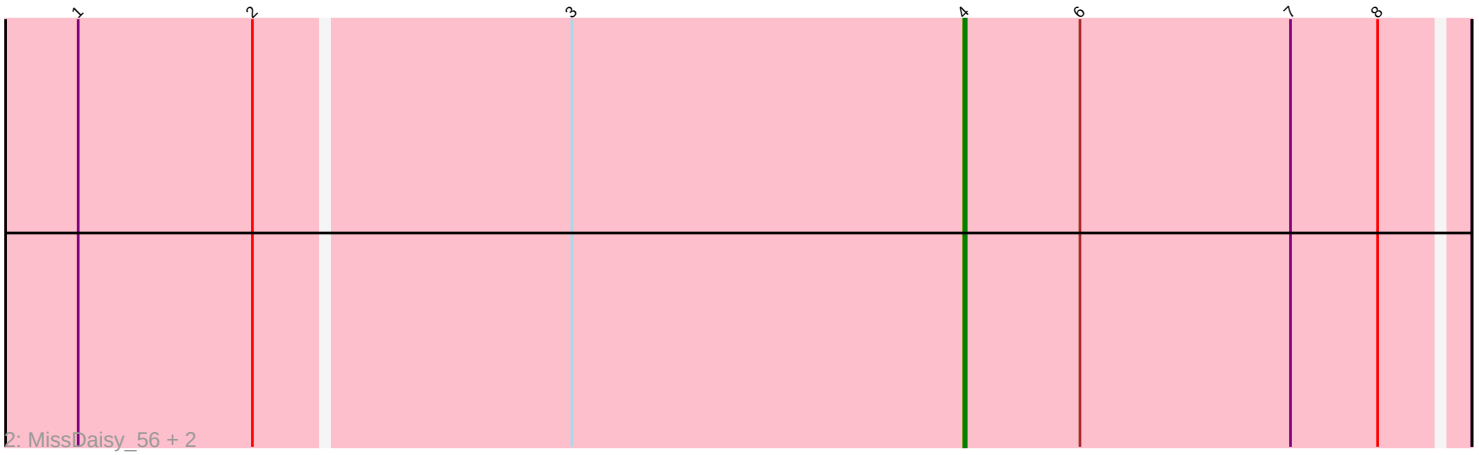
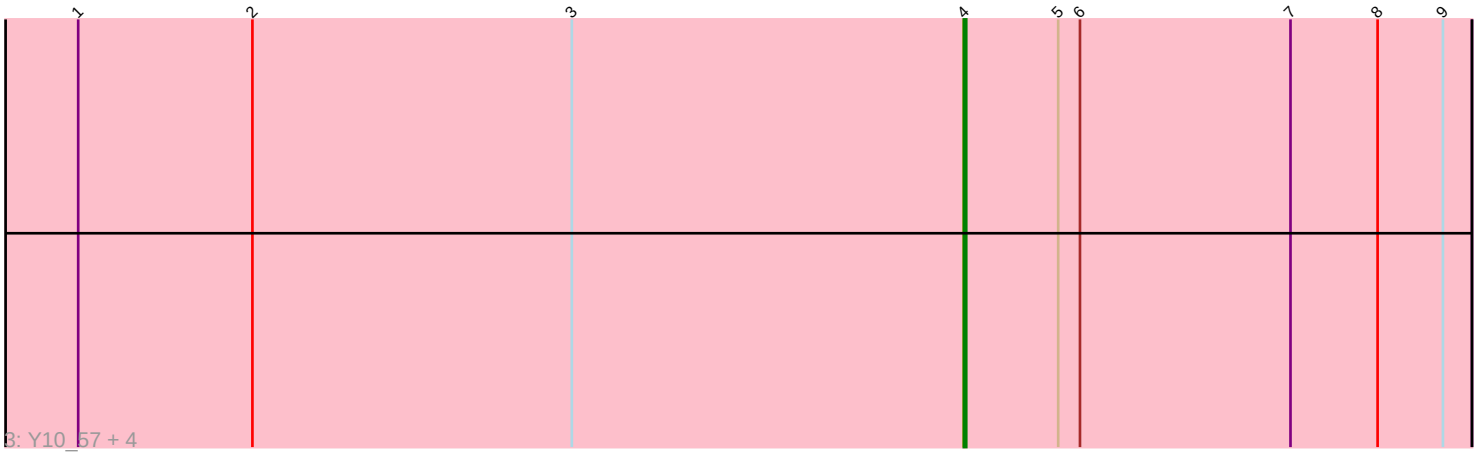
Pham 3933


1
2
3
4
5
6
7
8
9
1: Malthus_59 + 9


1
2
3
4
6
7
8
2: MissDaisy_56 + 2


1
2
3
4
5
6
7
8
9
3: Y10_57 + 4

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 3933 Report

This analysis was run 04/12/24 on database version 558.

Pham number 3933 has 18 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Malthus_59, Cheetobro_58, Juliette_60, Mitti_58, Chancellor_58, OmniCritical_57, SamScheppers_56, Wintermute_58, Slarp_58, Ruthiejr_59
• Track 2 : MissDaisy_56, Patt_55, Reptar3000_56
• Track 3 : Y10_57, JF1_58, Y2_57, Eponine_60, Fionnbharth_58

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

The start number called the most often in the published annotations is 4, it was called in 18 of the 18 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Chancellor_58, Cheetobro_58, Eponine_60, Fionnbharth_58, JF1_58, Juliette_60, Malthus_59, MissDaisy_56, Mitti_58, OmniCritical_57, Patt_55, Reptar3000_56, Ruthiejr_59, SamScheppers_56, Slarp_58, Wintermute_58, Y10_57, Y2_57,

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 4:
• Found in 18 of 18 (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: Chancellor_58 (K4), Cheetobro_58 (K4), Eponine_60 (K4), Fionnbharth_58 (K4), JF1_58 (K4), Juliette_60 (K4), Malthus_59 (K4), MissDaisy_56 (K4), Mitti_58 (K4), OmniCritical_57 (K4), Patt_55 (K4), Reptar3000_56 (K4), Ruthiejr_59 (K4), SamScheppers_56 (K4), Slarp_58 (K4), Wintermute_58 (K4), Y10_57 (K4), Y2_57 (K4),

Summary by clusters:

There is one cluster represented in this pham: K4

Info for manual annotations of cluster K4:
•Start number 4 was manually annotated 18 times for cluster K4.

Gene Information:

Gene: Chancellor_58 Start: 39286, Stop: 39495, Start Num: 4
Candidate Starts for Chancellor_58:
(1, 38926), (2, 38998), (3, 39124), (Start: 4 @39286 has 18 MA's), (5, 39325), (6, 39334), (7, 39421), (8, 39457), (9, 39484),

Gene: Cheetobro_58 Start: 39283, Stop: 39492, Start Num: 4
Candidate Starts for Cheetobro_58:
(1, 38923), (2, 38995), (3, 39121), (Start: 4 @39283 has 18 MA's), (5, 39322), (6, 39331), (7, 39418), (8, 39454), (9, 39481),

Gene: Eponine_60 Start: 40129, Stop: 40338, Start Num: 4
Candidate Starts for Eponine_60:
(1, 39763), (2, 39835), (3, 39967), (Start: 4 @40129 has 18 MA's), (5, 40168), (6, 40177), (7, 40264), (8, 40300), (9, 40327),

Gene: Fionnbharth_58 Start: 39527, Stop: 39736, Start Num: 4
Candidate Starts for Fionnbharth_58:
(1, 39161), (2, 39233), (3, 39365), (Start: 4 @39527 has 18 MA's), (5, 39566), (6, 39575), (7, 39662), (8, 39698), (9, 39725),

Gene: JF1_58 Start: 39444, Stop: 39653, Start Num: 4
Candidate Starts for JF1_58:
(1, 39078), (2, 39150), (3, 39282), (Start: 4 @39444 has 18 MA's), (5, 39483), (6, 39492), (7, 39579), (8, 39615), (9, 39642),

Gene: Juliette_60 Start: 39591, Stop: 39800, Start Num: 4
Candidate Starts for Juliette_60:
(1, 39231), (2, 39303), (3, 39429), (Start: 4 @39591 has 18 MA's), (5, 39630), (6, 39639), (7, 39726), (8, 39762), (9, 39789),

Gene: Malthus_59 Start: 39279, Stop: 39488, Start Num: 4
Candidate Starts for Malthus_59:
(1, 38919), (2, 38991), (3, 39117), (Start: 4 @39279 has 18 MA's), (5, 39318), (6, 39327), (7, 39414), (8, 39450), (9, 39477),

Gene: MissDaisy_56 Start: 38811, Stop: 39014, Start Num: 4
Candidate Starts for MissDaisy_56:
(1, 38451), (2, 38523), (3, 38649), (Start: 4 @38811 has 18 MA's), (6, 38859), (7, 38946), (8, 38982),

Gene: Mitti_58 Start: 39458, Stop: 39667, Start Num: 4
Candidate Starts for Mitti_58:
(1, 39098), (2, 39170), (3, 39296), (Start: 4 @39458 has 18 MA's), (5, 39497), (6, 39506), (7, 39593), (8, 39629), (9, 39656),

Gene: OmniCritical_57 Start: 39267, Stop: 39476, Start Num: 4
Candidate Starts for OmniCritical_57:
(1, 38907), (2, 38979), (3, 39105), (Start: 4 @39267 has 18 MA's), (5, 39306), (6, 39315), (7, 39402), (8, 39438), (9, 39465),

Gene: Patt_55 Start: 38535, Stop: 38738, Start Num: 4
Candidate Starts for Patt_55:
(1, 38175), (2, 38247), (3, 38373), (Start: 4 @38535 has 18 MA's), (6, 38583), (7, 38670), (8, 38706),

Gene: Reptar3000_56 Start: 38523, Stop: 38726, Start Num: 4
Candidate Starts for Reptar3000_56:
(1, 38163), (2, 38235), (3, 38361), (Start: 4 @38523 has 18 MA's), (6, 38571), (7, 38658), (8, 38694),

Gene: Ruthiejr_59 Start: 39329, Stop: 39538, Start Num: 4
Candidate Starts for Ruthiejr_59:
(1, 38969), (2, 39041), (3, 39167), (Start: 4 @39329 has 18 MA's), (5, 39368), (6, 39377), (7, 39464), (8, 39500), (9, 39527),

Gene: SamScheppers_56 Start: 39758, Stop: 39967, Start Num: 4
Candidate Starts for SamScheppers_56:
(1, 39398), (2, 39470), (3, 39596), (Start: 4 @39758 has 18 MA's), (5, 39797), (6, 39806), (7, 39893), (8, 39929), (9, 39956),

Gene: Slarp_58 Start: 39286, Stop: 39495, Start Num: 4
Candidate Starts for Slarp_58:
(1, 38926), (2, 38998), (3, 39124), (Start: 4 @39286 has 18 MA's), (5, 39325), (6, 39334), (7, 39421), (8, 39457), (9, 39484),

Gene: Wintermute_58 Start: 39516, Stop: 39725, Start Num: 4
Candidate Starts for Wintermute_58:
(1, 39156), (2, 39228), (3, 39354), (Start: 4 @39516 has 18 MA's), (5, 39555), (6, 39564), (7, 39651), (8, 39687), (9, 39714),

Gene: Y10_57 Start: 39444, Stop: 39653, Start Num: 4
Candidate Starts for Y10_57:
(1, 39078), (2, 39150), (3, 39282), (Start: 4 @39444 has 18 MA's), (5, 39483), (6, 39492), (7, 39579), (8, 39615), (9, 39642),

Gene: Y2_57 Start: 39444, Stop: 39653, Start Num: 4
Candidate Starts for Y2_57:
(1, 39078), (2, 39150), (3, 39282), (Start: 4 @39444 has 18 MA's), (5, 39483), (6, 39492), (7, 39579), (8, 39615), (9, 39642),