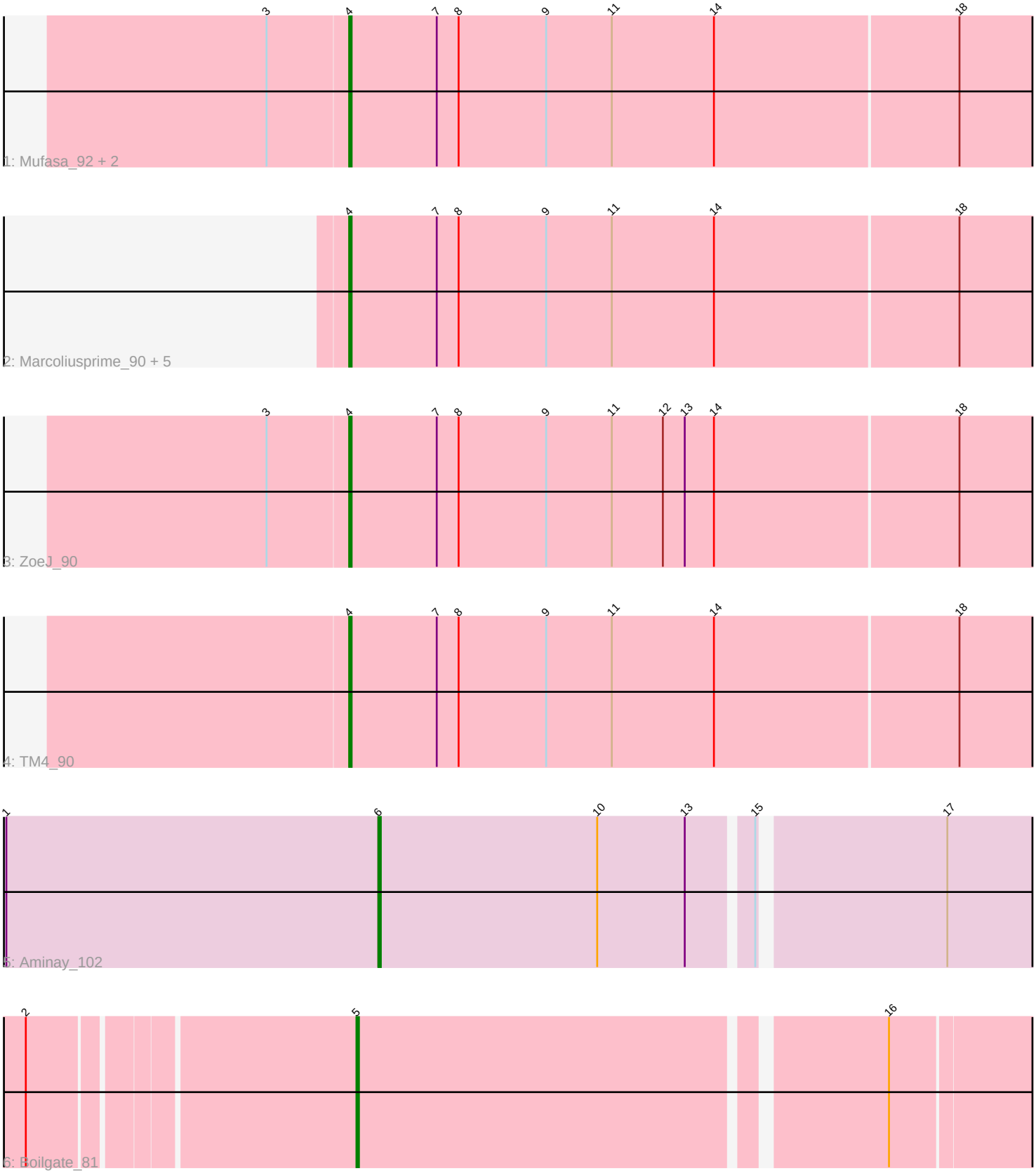
Pham 348186


3
4
7
8
9
11
14
18
1: Mufasa_92 + 2
4
7
8
9
11
14
18
2: Marcoliusprime_90 + 5
3
4
7
8
9
11
12
13
14
18
3: ZoeJ_90
4
7
8
9
11
14
18
4: TM4_90
1
6
10
13
15
17
5: Aminay_102
2
5
16
6: Boilgate_81

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 348186 Report

This analysis was run 11/14/26 on database version 672.

Pham number 348186 has 13 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Mufasa_92, Doughnut_93, BoostSeason_92
• Track 2 : Marcoliusprime_90, DismalStressor_92, Milly_92, Strobilo_93, Findley_92, DismalFunk_92
• Track 3 : ZoeJ_90
• Track 4 : TM4_90
• Track 5 : Aminay_102
• Track 6 : Boilgate_81

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 11 of the 13 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BoostSeason_92, DismalFunk_92, DismalStressor_92, Doughnut_93, Findley_92, Marcoliusprime_90, Milly_92, Mufasa_92, Strobilo_93, 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:
• Aminay_102, Boilgate_81,

Summary by start number:

Start 4:
• Found in 11 of 13 (84.6%) of genes in pham
• Manual Annotations of this start: 11 of 13
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BoostSeason_92 (K2), DismalFunk_92 (K2), DismalStressor_92 (K2), Doughnut_93 (K2), Findley_92 (K2), Marcoliusprime_90 (K2), Milly_92 (K2), Mufasa_92 (K2), Strobilo_93 (K2), TM4_90 (K2), ZoeJ_90 (K2),

Start 5:
• Found in 1 of 13 (7.7%) of genes in pham
• Manual Annotations of this start: 1 of 13
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Boilgate_81 (K8),

Start 6:
• Found in 1 of 13 (7.7%) of genes in pham
• Manual Annotations of this start: 1 of 13
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Aminay_102 (K7),

Summary by clusters:

There are 3 clusters represented in this pham: K2, K8, K7,

Info for manual annotations of cluster K2:
•Start number 4 was manually annotated 11 times for cluster K2.

Info for manual annotations of cluster K7:
•Start number 6 was manually annotated 1 time for cluster K7.

Info for manual annotations of cluster K8:
•Start number 5 was manually annotated 1 time for cluster K8.

Gene Information:

Gene: Aminay_102 Start: 58711, Stop: 58983, Start Num: 6
Candidate Starts for Aminay_102:
(1, 58558), (Start: 6 @58711 has 1 MA's), (10, 58801), (13, 58837), (15, 58861), (17, 58933),

Gene: Boilgate_81 Start: 56560, Stop: 56853, Start Num: 5
Candidate Starts for Boilgate_81:
(2, 56434), (Start: 5 @56560 has 1 MA's), (16, 56767),

Gene: BoostSeason_92 Start: 57164, Stop: 57460, Start Num: 4
Candidate Starts for BoostSeason_92:
(3, 57131), (Start: 4 @57164 has 11 MA's), (7, 57200), (8, 57209), (9, 57245), (11, 57272), (14, 57314), (18, 57413),

Gene: DismalFunk_92 Start: 57214, Stop: 57510, Start Num: 4
Candidate Starts for DismalFunk_92:
(Start: 4 @57214 has 11 MA's), (7, 57250), (8, 57259), (9, 57295), (11, 57322), (14, 57364), (18, 57463),

Gene: DismalStressor_92 Start: 57214, Stop: 57510, Start Num: 4
Candidate Starts for DismalStressor_92:
(Start: 4 @57214 has 11 MA's), (7, 57250), (8, 57259), (9, 57295), (11, 57322), (14, 57364), (18, 57463),

Gene: Doughnut_93 Start: 57346, Stop: 57642, Start Num: 4

Candidate Starts for Doughnut_93:
(3, 57313), (Start: 4 @57346 has 11 MA's), (7, 57382), (8, 57391), (9, 57427), (11, 57454), (14, 57496), (18, 57595),

Gene: Findley_92 Start: 57233, Stop: 57529, Start Num: 4
Candidate Starts for Findley_92:
(Start: 4 @57233 has 11 MA's), (7, 57269), (8, 57278), (9, 57314), (11, 57341), (14, 57383), (18, 57482),

Gene: Marcoliusprime_90 Start: 57214, Stop: 57510, Start Num: 4
Candidate Starts for Marcoliusprime_90:
(Start: 4 @57214 has 11 MA's), (7, 57250), (8, 57259), (9, 57295), (11, 57322), (14, 57364), (18, 57463),

Gene: Milly_92 Start: 57296, Stop: 57592, Start Num: 4
Candidate Starts for Milly_92:
(Start: 4 @57296 has 11 MA's), (7, 57332), (8, 57341), (9, 57377), (11, 57404), (14, 57446), (18, 57545),

Gene: Mufasa_92 Start: 57151, Stop: 57447, Start Num: 4
Candidate Starts for Mufasa_92:
(3, 57118), (Start: 4 @57151 has 11 MA's), (7, 57187), (8, 57196), (9, 57232), (11, 57259), (14, 57301), (18, 57400),

Gene: Strobilo_93 Start: 57212, Stop: 57508, Start Num: 4
Candidate Starts for Strobilo_93:
(Start: 4 @57212 has 11 MA's), (7, 57248), (8, 57257), (9, 57293), (11, 57320), (14, 57362), (18, 57461),

Gene: TM4_90 Start: 51883, Stop: 52179, Start Num: 4
Candidate Starts for TM4_90:
(Start: 4 @51883 has 11 MA's), (7, 51919), (8, 51928), (9, 51964), (11, 51991), (14, 52033), (18, 52132),

Gene: ZoeJ_90 Start: 56403, Stop: 56699, Start Num: 4
Candidate Starts for ZoeJ_90:
(3, 56370), (Start: 4 @56403 has 11 MA's), (7, 56439), (8, 56448), (9, 56484), (11, 56511), (12, 56532), (13, 56541), (14, 56553), (18, 56652),