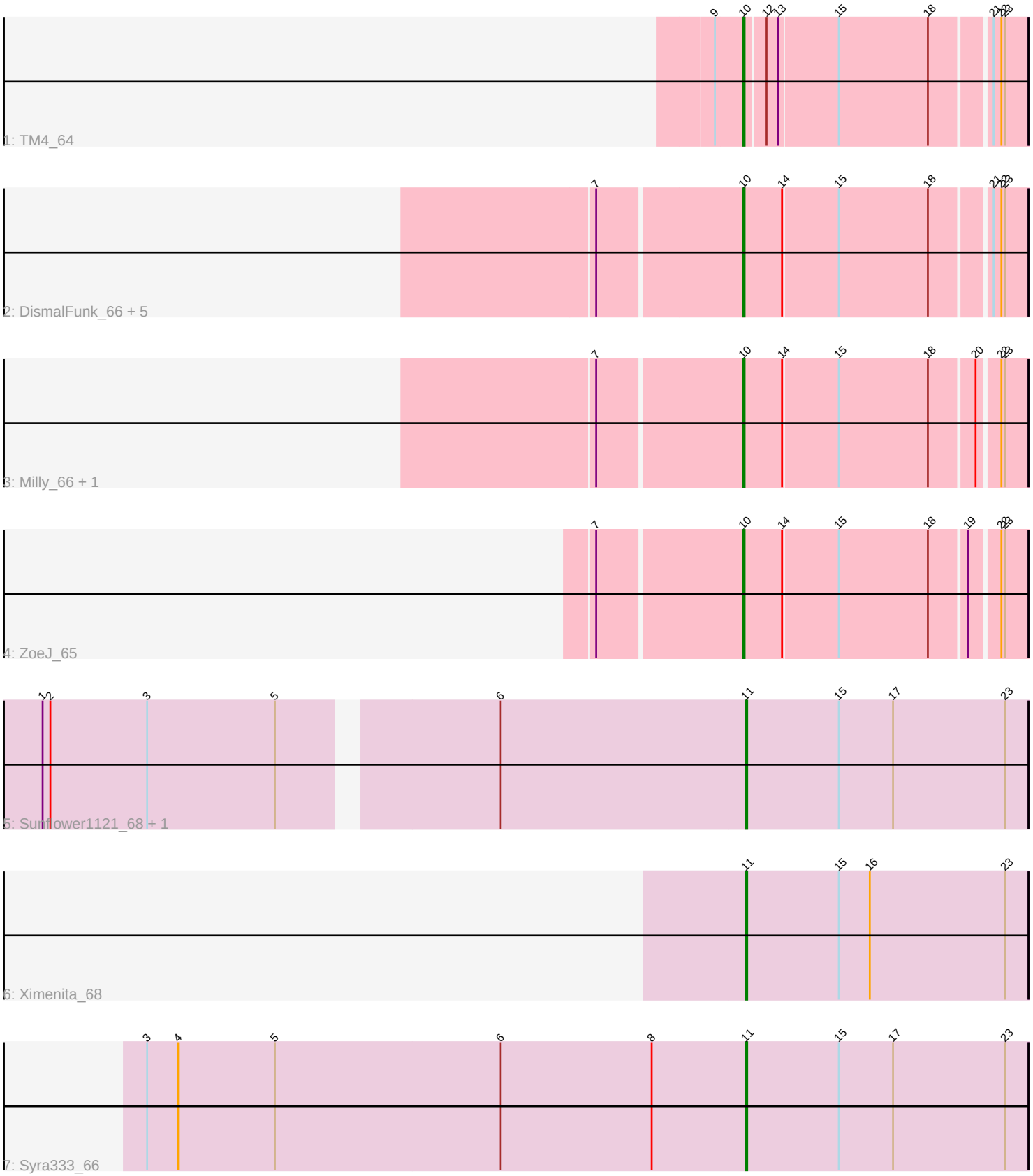
Pham 203443


1: TM4_64
2: DismalFunk_66 + 5
3: Milly_66 + 1
4: ZoeJ_65
5: Sunflower1121_68 + 1
6: Ximenita_68
7: Syra333_66

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 203443 Report

This analysis was run 01/18/25 on database version 583.

Pham number 203443 has 14 members, 0 are drafts.

Phages represented in each track:
• Track 1 : TM4_64
• Track 2 : DismalFunk_66, Findley_66, BoostSeason_66, Strobilo_67, Marcoliusprime_66, DismalStressor_66
• Track 3 : Milly_66, Mufasa_66
• Track 4 : ZoeJ_65
• Track 5 : Sunflower1121_68, Shadow1_67
• Track 6 : Ximenita_68
• Track 7 : Syra333_66

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

The start number called the most often in the published annotations is 10, it was called in 10 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BoostSeason_66, DismalFunk_66, DismalStressor_66, Findley_66, Marcoliusprime_66, Milly_66, Mufasa_66, Strobilo_67, TM4_64, ZoeJ_65,

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

Genes that do not have the "Most Annotated" start:
• Shadow1_67, Sunflower1121_68, Syra333_66, Ximenita_68,

Summary by start number:

Start 10:
• Found in 10 of 14 (71.4%) of genes in pham
• Manual Annotations of this start: 10 of 14
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BoostSeason_66 (K2), DismalFunk_66 (K2), DismalStressor_66 (K2), Findley_66 (K2), Marcoliusprime_66 (K2), Milly_66 (K2), Mufasa_66 (K2), Strobilo_67 (K2), TM4_64 (K2), ZoeJ_65 (K2),

Start 11:
• Found in 4 of 14 (28.6%) of genes in pham
• Manual Annotations of this start: 4 of 14
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Shadow1_67 (K6), Sunflower1121_68 (K6), Syra333_66 (K6), Ximenita_68 (K6),

Summary by clusters:

There are 2 clusters represented in this pham: K2, K6,

Info for manual annotations of cluster K2:
•Start number 10 was manually annotated 10 times for cluster K2.

Info for manual annotations of cluster K6:
•Start number 11 was manually annotated 4 times for cluster K6.

Gene Information:

Gene: BoostSeason_66 Start: 44610, Stop: 44819, Start Num: 10
Candidate Starts for BoostSeason_66:
(7, 44502), (Start: 10 @44610 has 10 MA's), (14, 44640), (15, 44682), (18, 44751), (21, 44793), (22, 44799), (23, 44802),

Gene: DismalFunk_66 Start: 45035, Stop: 45244, Start Num: 10
Candidate Starts for DismalFunk_66:
(7, 44927), (Start: 10 @45035 has 10 MA's), (14, 45065), (15, 45107), (18, 45176), (21, 45218), (22, 45224), (23, 45227),

Gene: DismalStressor_66 Start: 45035, Stop: 45244, Start Num: 10
Candidate Starts for DismalStressor_66:
(7, 44927), (Start: 10 @45035 has 10 MA's), (14, 45065), (15, 45107), (18, 45176), (21, 45218), (22, 45224), (23, 45227),

Gene: Findley_66 Start: 45028, Stop: 45237, Start Num: 10
Candidate Starts for Findley_66:
(7, 44920), (Start: 10 @45028 has 10 MA's), (14, 45058), (15, 45100), (18, 45169), (21, 45211), (22, 45217), (23, 45220),

Gene: Marcoliusprime_66 Start: 45035, Stop: 45244, Start Num: 10
Candidate Starts for Marcoliusprime_66:
(7, 44927), (Start: 10 @45035 has 10 MA's), (14, 45065), (15, 45107), (18, 45176), (21, 45218), (22, 45224), (23, 45227),

Gene: Milly_66 Start: 45008, Stop: 45217, Start Num: 10
Candidate Starts for Milly_66:
(7, 44900), (Start: 10 @45008 has 10 MA's), (14, 45038), (15, 45080), (18, 45149), (20, 45182), (22, 45197), (23, 45200),

Gene: Mufasa_66 Start: 44595, Stop: 44804, Start Num: 10
Candidate Starts for Mufasa_66:

(7, 44487), (Start: 10 @44595 has 10 MA's), (14, 44625), (15, 44667), (18, 44736), (20, 44769), (22, 44784), (23, 44787),

Gene: Shadow1_67 Start: 42637, Stop: 42855, Start Num: 11
Candidate Starts for Shadow1_67:
(1, 42115), (2, 42121), (3, 42196), (5, 42295), (6, 42448), (Start: 11 @42637 has 4 MA's), (15, 42709), (17, 42751), (23, 42838),

Gene: Strobilo_67 Start: 45010, Stop: 45219, Start Num: 10
Candidate Starts for Strobilo_67:
(7, 44902), (Start: 10 @45010 has 10 MA's), (14, 45040), (15, 45082), (18, 45151), (21, 45193), (22, 45199), (23, 45202),

Gene: Sunflower1121_68 Start: 42783, Stop: 43001, Start Num: 11
Candidate Starts for Sunflower1121_68:
(1, 42261), (2, 42267), (3, 42342), (5, 42441), (6, 42594), (Start: 11 @42783 has 4 MA's), (15, 42855), (17, 42897), (23, 42984),

Gene: Syra333_66 Start: 42496, Stop: 42714, Start Num: 11
Candidate Starts for Syra333_66:
(3, 42034), (4, 42058), (5, 42133), (6, 42307), (8, 42424), (Start: 11 @42496 has 4 MA's), (15, 42568), (17, 42610), (23, 42697),

Gene: TM4_64 Start: 39676, Stop: 39882, Start Num: 10
Candidate Starts for TM4_64:
(9, 39655), (Start: 10 @39676 has 10 MA's), (12, 39691), (13, 39700), (15, 39745), (18, 39814), (21, 39856), (22, 39862), (23, 39865),

Gene: Ximenita_68 Start: 42822, Stop: 43040, Start Num: 11
Candidate Starts for Ximenita_68:
(Start: 11 @42822 has 4 MA's), (15, 42894), (16, 42918), (23, 43023),

Gene: ZoeJ_65 Start: 44414, Stop: 44623, Start Num: 10
Candidate Starts for ZoeJ_65:
(7, 44306), (Start: 10 @44414 has 10 MA's), (14, 44444), (15, 44486), (18, 44555), (19, 44582), (22, 44603), (23, 44606),