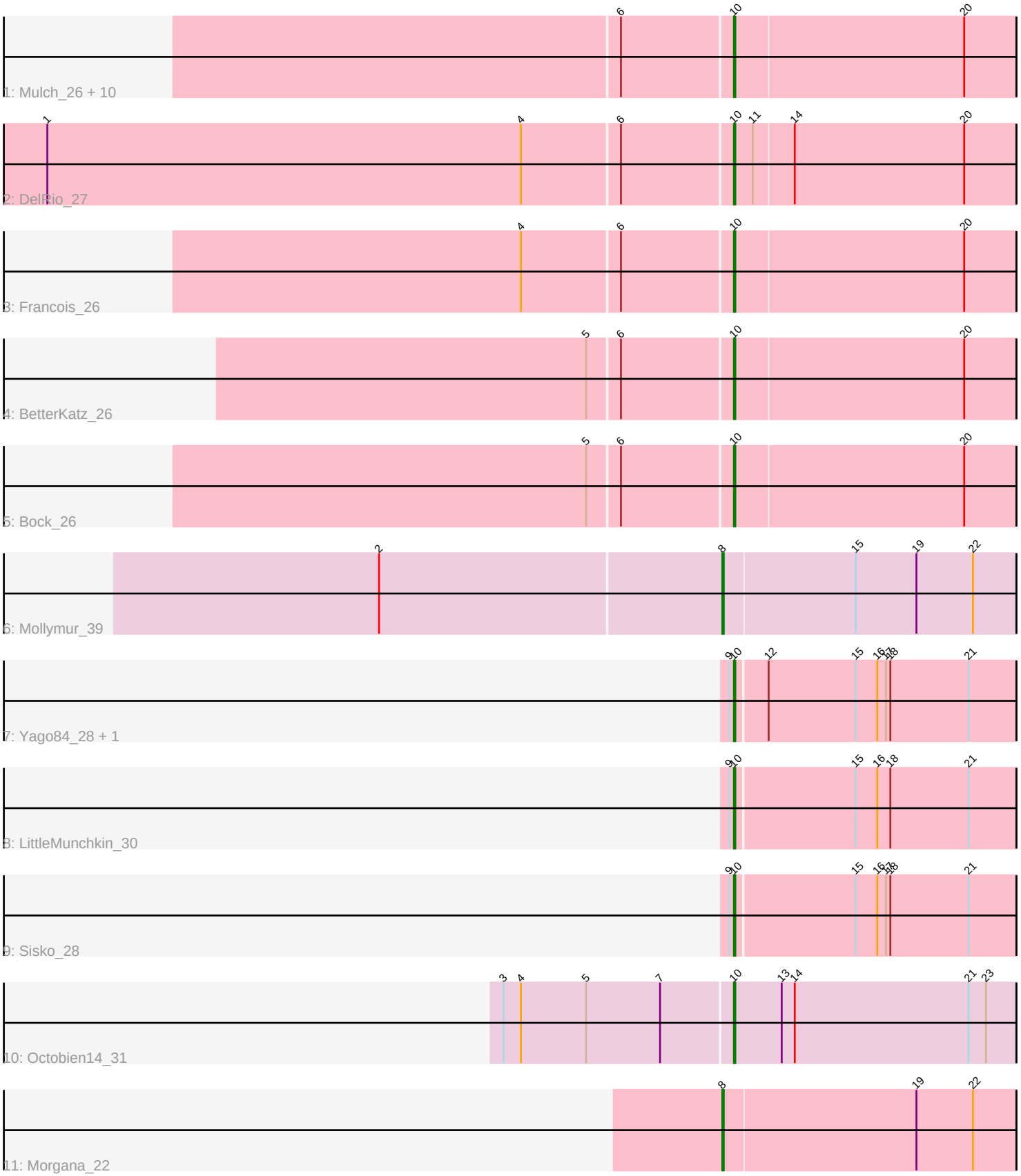
Pham 337121


1: Mulch_26 + 10
2: DelRio_27
3: Francois_26
4: BetterKatz_26
5: Bock_26
6: Mollymur_39
7: Yago84_28 + 1
8: LittleMunchkin_30
9: Sisko_28
10: Octobien14_31
11: Morgana_22

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 337121 Report

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

Pham number 337121 has 22 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Mulch_26, NancyRae_26, Ayotoya_26, GrandSlam_26, SussRoloMann_26, WheatThin_26, Nadeem_26, Brylie_26, Chop_26, Parada_26, Hamood_26
• Track 2 : DelRio_27
• Track 3 : Francois_26
• Track 4 : BetterKatz_26
• Track 5 : Bock_26
• Track 6 : Mollymur_39
• Track 7 : Yago84_28, AnClar_29
• Track 8 : LittleMunchkin_30
• Track 9 : Sisko_28
• Track 10 : Octobien14_31
• Track 11 : Morgana_22

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 19 of the 21 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AnClar_29, Ayotoya_26, BetterKatz_26, Bock_26, Brylie_26, Chop_26, DelRio_27, Francois_26, GrandSlam_26, Hamood_26, LittleMunchkin_30, Mulch_26, Nadeem_26, NancyRae_26, Octobien14_31, Parada_26, Sisko_28, SussRoloMann_26, WheatThin_26, Yago84_28,

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

Genes that do not have the "Most Annotated" start:
• Mollymur_39, Morgana_22,

Summary by start number:

Start 8:

• Found in 2 of 22 (9.1%) of genes in pham
• Manual Annotations of this start: 2 of 21
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Mollymur_39 (DL), Morgana_22 (DZ),

Start 10:
• Found in 20 of 22 (90.9%) of genes in pham
• Manual Annotations of this start: 19 of 21
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AnClar_29 (DR), Ayotoya_26 (DI), BetterKatz_26 (DI), Bock_26 (DI), Brylie_26 (DI), Chop_26 (DI), DelRio_27 (DI), Francois_26 (DI), GrandSlam_26 (DI), Hamood_26 (DI), LittleMunchkin_30 (DR), Mulch_26 (DI), Nadeem_26 (DI), NancyRae_26 (DI), Octobien14_31 (DU1), Parada_26 (DI), Sisko_28 (DR), SussRoloMann_26 (DI), WheatThin_26 (DI), Yago84_28 (DR),

Summary by clusters:

There are 5 clusters represented in this pham: DU1, DL, DR, DZ, DI,

Info for manual annotations of cluster DI:
•Start number 10 was manually annotated 14 times for cluster DI.

Info for manual annotations of cluster DL:
•Start number 8 was manually annotated 1 time for cluster DL.

Info for manual annotations of cluster DR:
•Start number 10 was manually annotated 4 times for cluster DR.

Info for manual annotations of cluster DU1:
•Start number 10 was manually annotated 1 time for cluster DU1.

Info for manual annotations of cluster DZ:
•Start number 8 was manually annotated 1 time for cluster DZ.

Gene Information:

Gene: AnClar_29 Start: 30143, Stop: 30334, Start Num: 10
Candidate Starts for AnClar_29:
(9, 30140), (Start: 10 @30143 has 19 MA's), (12, 30164), (15, 30224), (16, 30239), (17, 30245), (18, 30248), (21, 30302),

Gene: Ayotoya_26 Start: 23908, Stop: 24099, Start Num: 10
Candidate Starts for Ayotoya_26:
(6, 23833), (Start: 10 @23908 has 19 MA's), (20, 24064),

Gene: BetterKatz_26 Start: 23381, Stop: 23572, Start Num: 10
Candidate Starts for BetterKatz_26:
(5, 23285), (6, 23306), (Start: 10 @23381 has 19 MA's), (20, 23537),

Gene: Bock_26 Start: 23131, Stop: 23322, Start Num: 10

Candidate Starts for Bock_26:
(5, 23035), (6, 23056), (Start: 10 @23131 has 19 MA's), (20, 23287),

Gene: Brylie_26 Start: 23122, Stop: 23313, Start Num: 10
Candidate Starts for Brylie_26:
(6, 23047), (Start: 10 @23122 has 19 MA's), (20, 23278),

Gene: Chop_26 Start: 23656, Stop: 23847, Start Num: 10
Candidate Starts for Chop_26:
(6, 23581), (Start: 10 @23656 has 19 MA's), (20, 23812),

Gene: DelRio_27 Start: 24130, Stop: 24321, Start Num: 10
Candidate Starts for DelRio_27:
(1, 23662), (4, 23989), (6, 24055), (Start: 10 @24130 has 19 MA's), (11, 24142), (14, 24169), (20, 24286),

Gene: Francois_26 Start: 23145, Stop: 23336, Start Num: 10
Candidate Starts for Francois_26:
(4, 23004), (6, 23070), (Start: 10 @23145 has 19 MA's), (20, 23301),

Gene: GrandSlam_26 Start: 23656, Stop: 23847, Start Num: 10
Candidate Starts for GrandSlam_26:
(6, 23581), (Start: 10 @23656 has 19 MA's), (20, 23812),

Gene: Hamood_26 Start: 23656, Stop: 23847, Start Num: 10
Candidate Starts for Hamood_26:
(6, 23581), (Start: 10 @23656 has 19 MA's), (20, 23812),

Gene: LittleMunchkin_30 Start: 30714, Stop: 30905, Start Num: 10
Candidate Starts for LittleMunchkin_30:
(9, 30711), (Start: 10 @30714 has 19 MA's), (15, 30795), (16, 30810), (18, 30819), (21, 30873),

Gene: Mollymur_39 Start: 35807, Stop: 36007, Start Num: 8
Candidate Starts for Mollymur_39:
(2, 35573), (Start: 8 @35807 has 2 MA's), (15, 35897), (19, 35939), (22, 35978),

Gene: Morgana_22 Start: 20847, Stop: 21047, Start Num: 8
Candidate Starts for Morgana_22:
(Start: 8 @20847 has 2 MA's), (19, 20979), (22, 21018),

Gene: Mulch_26 Start: 23122, Stop: 23313, Start Num: 10
Candidate Starts for Mulch_26:
(6, 23047), (Start: 10 @23122 has 19 MA's), (20, 23278),

Gene: Nadeem_26 Start: 23122, Stop: 23313, Start Num: 10
Candidate Starts for Nadeem_26:
(6, 23047), (Start: 10 @23122 has 19 MA's), (20, 23278),

Gene: NancyRae_26 Start: 23128, Stop: 23319, Start Num: 10
Candidate Starts for NancyRae_26:
(6, 23053), (Start: 10 @23128 has 19 MA's), (20, 23284),

Gene: Octobien14_31 Start: 26466, Stop: 26660, Start Num: 10

Candidate Starts for Octobien14_31:
(3, 26310), (4, 26322), (5, 26367), (7, 26418), (Start: 10 @26466 has 19 MA's), (13, 26499), (14, 26508), (21, 26628), (23, 26640),

Gene: Parada_26 Start: 23122, Stop: 23313, Start Num: 10
Candidate Starts for Parada_26:
(6, 23047), (Start: 10 @23122 has 19 MA's), (20, 23278),

Gene: Sisko_28 Start: 28150, Stop: 28341, Start Num: 10
Candidate Starts for Sisko_28:
(9, 28147), (Start: 10 @28150 has 19 MA's), (15, 28231), (16, 28246), (17, 28252), (18, 28255), (21, 28309),

Gene: SussRoloMann_26 Start: 23122, Stop: 23313, Start Num: 10
Candidate Starts for SussRoloMann_26:
(6, 23047), (Start: 10 @23122 has 19 MA's), (20, 23278),

Gene: WheatThin_26 Start: 23122, Stop: 23313, Start Num: 10
Candidate Starts for WheatThin_26:
(6, 23047), (Start: 10 @23122 has 19 MA's), (20, 23278),

Gene: Yago84_28 Start: 28224, Stop: 28415, Start Num: 10
Candidate Starts for Yago84_28:
(9, 28221), (Start: 10 @28224 has 19 MA's), (12, 28245), (15, 28305), (16, 28320), (17, 28326), (18, 28329), (21, 28383),