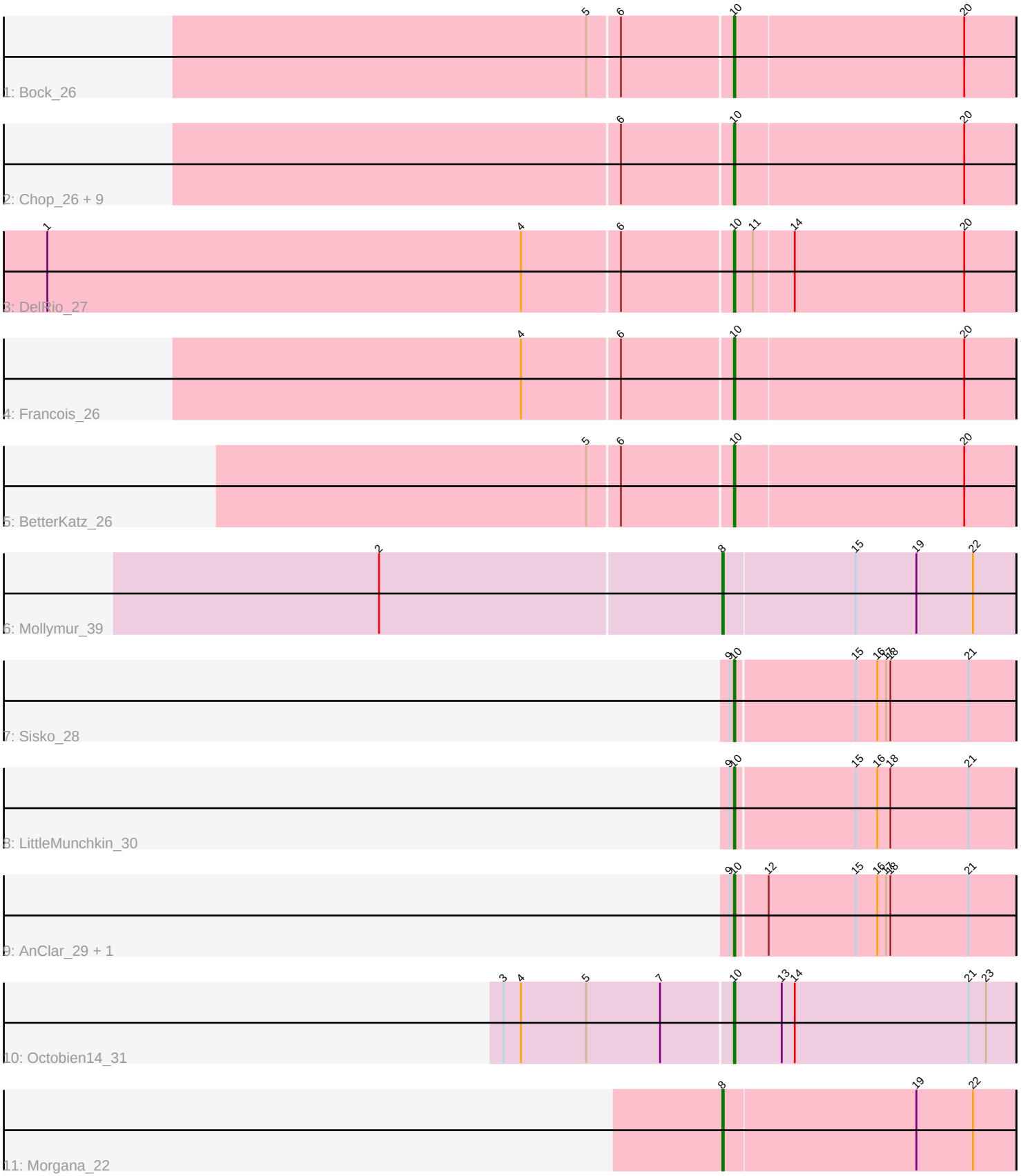
Pham 158179


1: Bock_26
2: Chop_26 + 9
3: DelRio_27
4: Francois_26
5: BetterKatz_26
6: Mollymur_39
7: Sisko_28
8: LittleMunchkin_30
9: AnClar_29 + 1
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 158179 Report

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

Pham number 158179 has 21 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Bock_26
• Track 2 : Chop_26, Ayotoya_26, Parada_26, Nadeem_26, Mulch_26, GrandSlam_26, NancyRae_26, Hamood_26, WheatThin_26, Brylie_26
• Track 3 : DelRio_27
• Track 4 : Francois_26
• Track 5 : BetterKatz_26
• Track 6 : Mollymur_39
• Track 7 : Sisko_28
• Track 8 : LittleMunchkin_30
• Track 9 : AnClar_29, Yago84_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 18 of the 20 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, 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 21 (9.5%) of genes in pham

• Manual Annotations of this start: 2 of 20
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Mollymur_39 (DL), Morgana_22 (DZ),

Start 10:
• Found in 19 of 21 (90.5%) of genes in pham
• Manual Annotations of this start: 18 of 20
• 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), 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 13 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 18 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 18 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 18 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 18 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 18 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 18 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 18 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 18 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 18 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 18 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 18 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 18 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 18 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 18 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 18 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 18 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 18 MA's), (15, 28231), (16, 28246), (17, 28252), (18, 28255), (21, 28309),

Gene: WheatThin_26 Start: 23122, Stop: 23313, Start Num: 10
Candidate Starts for WheatThin_26:
(6, 23047), (Start: 10 @23122 has 18 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 18 MA's), (12, 28245), (15, 28305), (16, 28320), (17, 28326), (18, 28329), (21, 28383),