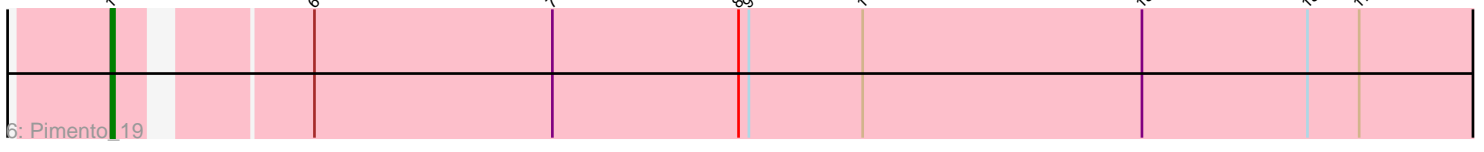
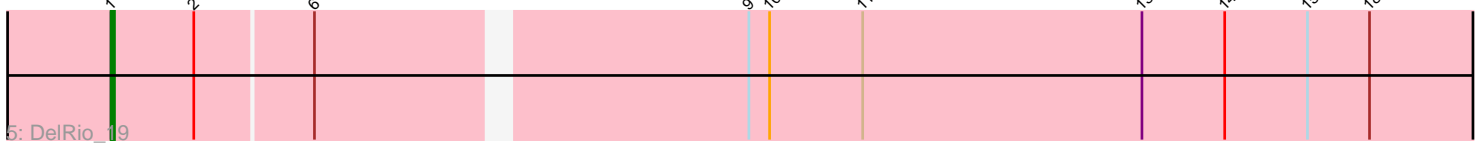
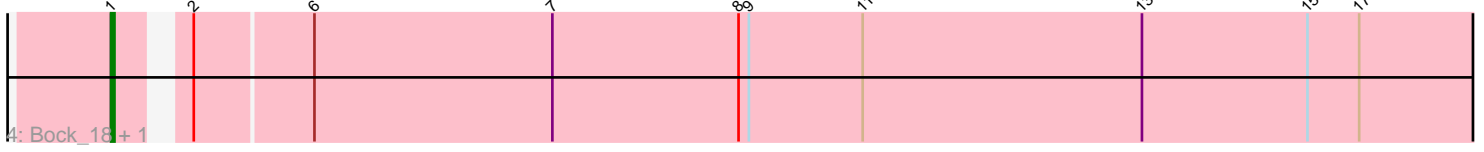
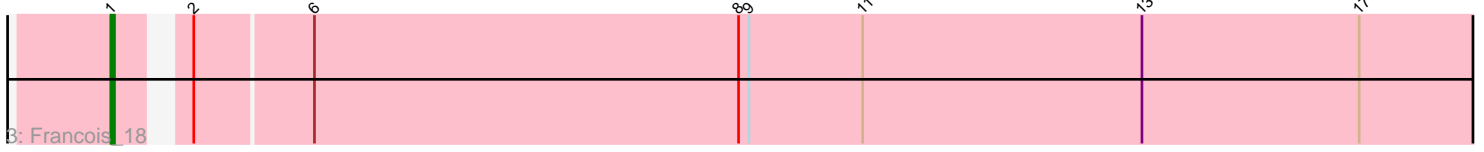
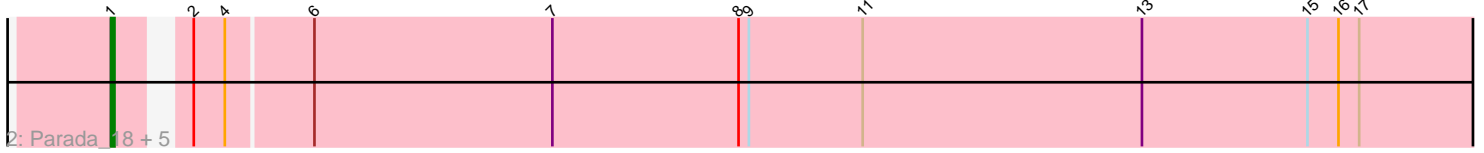
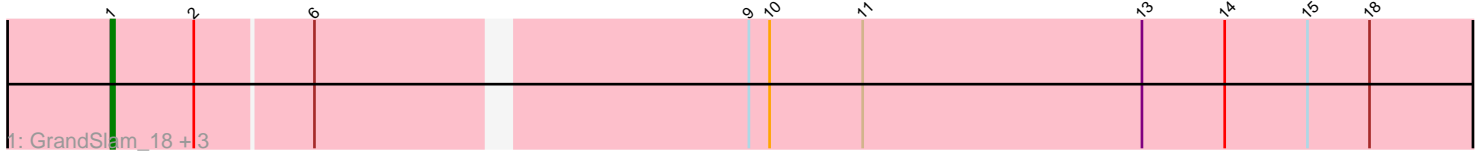


Pham 203330



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 203330 Report

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

Pham number 203330 has 20 members, 3 are drafts.

Phages represented in each track:

- Track 1 : GrandSlam_18, Chop_18, Ayotoya_18, Hamood_18
- Track 2 : Parada_18, NancyRae_18, Nadeem_18, Brylie_18, WheatThin_19, Mulch_18
- Track 3 : Francois_18
- Track 4 : Bock_18, BetterKatz_18
- Track 5 : DelRio_19
- Track 6 : Pimento_19
- Track 7 : ArchiDore_15, Ruthy_15
- Track 8 : Zodiariah_14
- Track 9 : DumpsterDude_15
- Track 10 : MakCheese_16

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

The start number called the most often in the published annotations is 1, it was called in 17 of the 17 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- ArchiDore_15, Ayotoya_18, BetterKatz_18, Bock_18, Brylie_18, Chop_18, DelRio_19, DumpsterDude_15, Francois_18, GrandSlam_18, Hamood_18, Mulch_18, Nadeem_18, NancyRae_18, Parada_18, Pimento_19, Ruthy_15, WheatThin_19, Zodiariah_14,

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

- MakCheese_16,

Genes that do not have the "Most Annotated" start:

-

Summary by start number:

Start 1:

- Found in 20 of 20 (100.0%) of genes in pham
- Manual Annotations of this start: 17 of 17

- Called 95.0% of time when present
- Phage (with cluster) where this start called: ArchiDore_15 (DW), Ayotoya_18 (DI), BetterKatz_18 (DI), Bock_18 (DI), Brylie_18 (DI), Chop_18 (DI), DelRio_19 (DI), DumpsterDude_15 (DW), Francois_18 (DI), GrandSlam_18 (DI), Hamood_18 (DI), Mulch_18 (DI), Nadeem_18 (DI), NancyRae_18 (DI), Parada_18 (DI), Pimento_19 (DI), Ruthy_15 (DW), WheatThin_19 (DI), Zodiariah_14 (DW),

Start 3:

- Found in 3 of 20 (15.0%) of genes in pham
- No Manual Annotations of this start.
- Called 33.3% of time when present
- Phage (with cluster) where this start called: MakCheese_16 (DW),

Summary by clusters:

There are 2 clusters represented in this pham: DW, DI,

Info for manual annotations of cluster DI:

- Start number 1 was manually annotated 15 times for cluster DI.

Info for manual annotations of cluster DW:

- Start number 1 was manually annotated 2 times for cluster DW.

Gene Information:

Gene: ArchiDore_15 Start: 9329, Stop: 9712, Start Num: 1

Candidate Starts for ArchiDore_15:

(Start: 1 @9329 has 17 MA's), (3, 9350), (5, 9368), (12, 9584), (14, 9620), (15, 9644), (18, 9662),

Gene: Ayotoya_18 Start: 10919, Stop: 11326, Start Num: 1

Candidate Starts for Ayotoya_18:

(Start: 1 @10919 has 17 MA's), (2, 10943), (6, 10976), (9, 11093), (10, 11099), (11, 11126), (13, 11207), (14, 11231), (15, 11255), (18, 11273),

Gene: BetterKatz_18 Start: 10860, Stop: 11267, Start Num: 1

Candidate Starts for BetterKatz_18:

(Start: 1 @10860 has 17 MA's), (2, 10875), (6, 10908), (7, 10977), (8, 11031), (9, 11034), (11, 11067), (13, 11148), (15, 11196), (17, 11211),

Gene: Bock_18 Start: 10610, Stop: 11017, Start Num: 1

Candidate Starts for Bock_18:

(Start: 1 @10610 has 17 MA's), (2, 10625), (6, 10658), (7, 10727), (8, 10781), (9, 10784), (11, 10817), (13, 10898), (15, 10946), (17, 10961),

Gene: Brylie_18 Start: 10607, Stop: 11014, Start Num: 1

Candidate Starts for Brylie_18:

(Start: 1 @10607 has 17 MA's), (2, 10622), (4, 10631), (6, 10655), (7, 10724), (8, 10778), (9, 10781), (11, 10814), (13, 10895), (15, 10943), (16, 10952), (17, 10958),

Gene: Chop_18 Start: 10667, Stop: 11074, Start Num: 1

Candidate Starts for Chop_18:

(Start: 1 @10667 has 17 MA's), (2, 10691), (6, 10724), (9, 10841), (10, 10847), (11, 10874), (13, 10955), (14, 10979), (15, 11003), (18, 11021),

Gene: DelRio_19 Start: 11141, Stop: 11548, Start Num: 1

Candidate Starts for DelRio_19:

(Start: 1 @11141 has 17 MA's), (2, 11165), (6, 11198), (9, 11315), (10, 11321), (11, 11348), (13, 11429), (14, 11453), (15, 11477), (18, 11495),

Gene: DumpsterDude_15 Start: 9345, Stop: 9692, Start Num: 1

Candidate Starts for DumpsterDude_15:

(Start: 1 @9345 has 17 MA's), (11, 9495), (12, 9564), (15, 9624), (18, 9642),

Gene: Francois_18 Start: 10624, Stop: 11031, Start Num: 1

Candidate Starts for Francois_18:

(Start: 1 @10624 has 17 MA's), (2, 10639), (6, 10672), (8, 10795), (9, 10798), (11, 10831), (13, 10912), (17, 10975),

Gene: GrandSlam_18 Start: 10667, Stop: 11074, Start Num: 1

Candidate Starts for GrandSlam_18:

(Start: 1 @10667 has 17 MA's), (2, 10691), (6, 10724), (9, 10841), (10, 10847), (11, 10874), (13, 10955), (14, 10979), (15, 11003), (18, 11021),

Gene: Hamood_18 Start: 10667, Stop: 11074, Start Num: 1

Candidate Starts for Hamood_18:

(Start: 1 @10667 has 17 MA's), (2, 10691), (6, 10724), (9, 10841), (10, 10847), (11, 10874), (13, 10955), (14, 10979), (15, 11003), (18, 11021),

Gene: MakCheese_16 Start: 9106, Stop: 9450, Start Num: 3

Candidate Starts for MakCheese_16:

(Start: 1 @9085 has 17 MA's), (3, 9106), (5, 9124), (11, 9253), (12, 9322), (14, 9358), (15, 9382), (18, 9400),

Gene: Mulch_18 Start: 10607, Stop: 11014, Start Num: 1

Candidate Starts for Mulch_18:

(Start: 1 @10607 has 17 MA's), (2, 10622), (4, 10631), (6, 10655), (7, 10724), (8, 10778), (9, 10781), (11, 10814), (13, 10895), (15, 10943), (16, 10952), (17, 10958),

Gene: Nadeem_18 Start: 10607, Stop: 11014, Start Num: 1

Candidate Starts for Nadeem_18:

(Start: 1 @10607 has 17 MA's), (2, 10622), (4, 10631), (6, 10655), (7, 10724), (8, 10778), (9, 10781), (11, 10814), (13, 10895), (15, 10943), (16, 10952), (17, 10958),

Gene: NancyRae_18 Start: 10607, Stop: 11014, Start Num: 1

Candidate Starts for NancyRae_18:

(Start: 1 @10607 has 17 MA's), (2, 10622), (4, 10631), (6, 10655), (7, 10724), (8, 10778), (9, 10781), (11, 10814), (13, 10895), (15, 10943), (16, 10952), (17, 10958),

Gene: Parada_18 Start: 10607, Stop: 11014, Start Num: 1

Candidate Starts for Parada_18:

(Start: 1 @10607 has 17 MA's), (2, 10622), (4, 10631), (6, 10655), (7, 10724), (8, 10778), (9, 10781), (11, 10814), (13, 10895), (15, 10943), (16, 10952), (17, 10958),

Gene: Pimento_19 Start: 10811, Stop: 11218, Start Num: 1

Candidate Starts for Pimento_19:

(Start: 1 @10811 has 17 MA's), (6, 10859), (7, 10928), (8, 10982), (9, 10985), (11, 11018), (13, 11099), (15, 11147), (17, 11162),

Gene: Ruthy_15 Start: 9419, Stop: 9802, Start Num: 1

Candidate Starts for Ruthy_15:

(Start: 1 @9419 has 17 MA's), (3, 9440), (5, 9458), (12, 9674), (14, 9710), (15, 9734), (18, 9752),

Gene: WheatThin_19 Start: 10607, Stop: 11014, Start Num: 1

Candidate Starts for WheatThin_19:

(Start: 1 @10607 has 17 MA's), (2, 10622), (4, 10631), (6, 10655), (7, 10724), (8, 10778), (9, 10781), (11, 10814), (13, 10895), (15, 10943), (16, 10952), (17, 10958),

Gene: Zodiariah_14 Start: 9098, Stop: 9445, Start Num: 1

Candidate Starts for Zodiariah_14:

(Start: 1 @9098 has 17 MA's), (11, 9248), (12, 9317), (14, 9353), (15, 9377), (18, 9395),