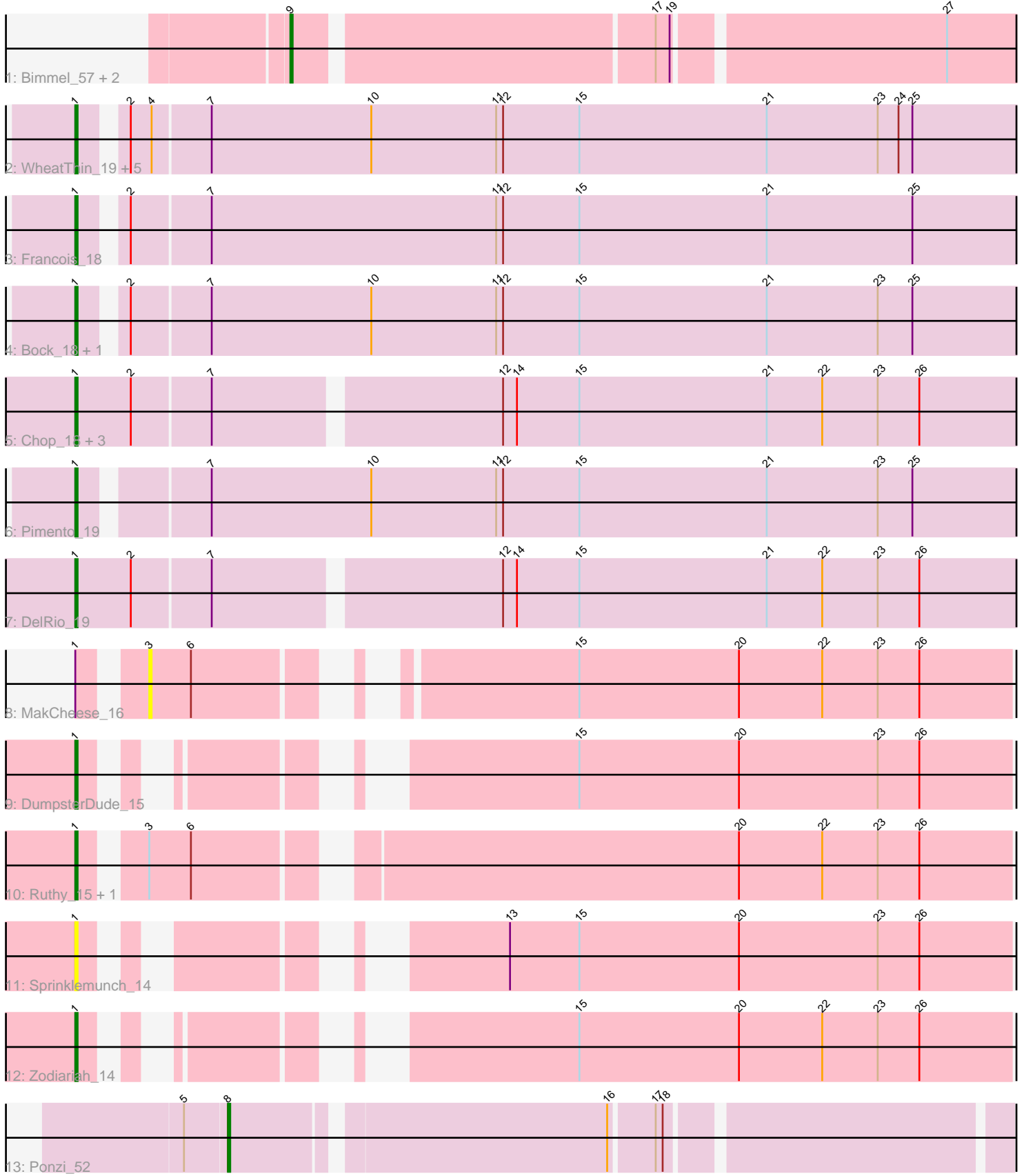


Pham 296895



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 296895 Report

This analysis was run 04/25/26 on database version 644.

Pham number 296895 has 25 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Bimmel_57, Success_59, Spooks_58
- Track 2 : WheatThin_19, Nadeem_18, Parada_18, Brylie_18, Mulch_18, NancyRae_18
- Track 3 : Francois_18
- Track 4 : Bock_18, BetterKatz_18
- Track 5 : Chop_18, Hamood_18, GrandSlam_18, Ayotoya_18
- Track 6 : Pimento_19
- Track 7 : DelRio_19
- Track 8 : MakCheese_16
- Track 9 : DumpsterDude_15
- Track 10 : Ruthy_15, ArchiDore_15
- Track 11 : Sprinklemunch_14
- Track 12 : Zodiariah_14
- Track 13 : Ponzi_52

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 19 of the 23 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, Sprinklemunch_14, 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:

- Bimmel_57, Ponzi_52, Spooks_58, Success_59,

Summary by start number:

Start 1:

- Found in 21 of 25 (84.0%) of genes in pham
- Manual Annotations of this start: 19 of 23
- Called 95.2% 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), Sprinklemunch_14 (DW), WheatThin_19 (DI), Zodiariah_14 (DW),

Start 3:

- Found in 3 of 25 (12.0%) 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),

Start 8:

- Found in 1 of 25 (4.0%) of genes in pham
- Manual Annotations of this start: 1 of 23
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Ponzi_52 (singleton),

Start 9:

- Found in 3 of 25 (12.0%) of genes in pham
- Manual Annotations of this start: 3 of 23
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Bimmel_57 (BT), Spooks_58 (BT), Success_59 (BT),

Summary by clusters:

There are 4 clusters represented in this pham: BT, DW, singleton, DI,

Info for manual annotations of cluster BT:

- Start number 9 was manually annotated 3 times for cluster BT.

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 4 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 19 MA's), (3, 9350), (6, 9368), (20, 9584), (22, 9620), (23, 9644), (26, 9662),

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

Candidate Starts for Ayotoya_18:

(Start: 1 @10919 has 19 MA's), (2, 10943), (7, 10976), (12, 11093), (14, 11099), (15, 11126), (21, 11207), (22, 11231), (23, 11255), (26, 11273),

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

Candidate Starts for BetterKatz_18:

(Start: 1 @10860 has 19 MA's), (2, 10875), (7, 10908), (10, 10977), (11, 11031), (12, 11034), (15, 11067), (21, 11148), (23, 11196), (25, 11211),

Gene: Bimmel_57 Start: 32464, Stop: 32769, Start Num: 9

Candidate Starts for Bimmel_57:

(Start: 9 @32464 has 3 MA's), (17, 32611), (19, 32617), (27, 32728),

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

Candidate Starts for Bock_18:

(Start: 1 @10610 has 19 MA's), (2, 10625), (7, 10658), (10, 10727), (11, 10781), (12, 10784), (15, 10817), (21, 10898), (23, 10946), (25, 10961),

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

Candidate Starts for Brylie_18:

(Start: 1 @10607 has 19 MA's), (2, 10622), (4, 10631), (7, 10655), (10, 10724), (11, 10778), (12, 10781), (15, 10814), (21, 10895), (23, 10943), (24, 10952), (25, 10958),

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

Candidate Starts for Chop_18:

(Start: 1 @10667 has 19 MA's), (2, 10691), (7, 10724), (12, 10841), (14, 10847), (15, 10874), (21, 10955), (22, 10979), (23, 11003), (26, 11021),

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

Candidate Starts for DelRio_19:

(Start: 1 @11141 has 19 MA's), (2, 11165), (7, 11198), (12, 11315), (14, 11321), (15, 11348), (21, 11429), (22, 11453), (23, 11477), (26, 11495),

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

Candidate Starts for DumpsterDude_15:

(Start: 1 @9345 has 19 MA's), (15, 9495), (20, 9564), (23, 9624), (26, 9642),

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

Candidate Starts for Francois_18:

(Start: 1 @10624 has 19 MA's), (2, 10639), (7, 10672), (11, 10795), (12, 10798), (15, 10831), (21, 10912), (25, 10975),

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

Candidate Starts for GrandSlam_18:

(Start: 1 @10667 has 19 MA's), (2, 10691), (7, 10724), (12, 10841), (14, 10847), (15, 10874), (21, 10955), (22, 10979), (23, 11003), (26, 11021),

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

Candidate Starts for Hamood_18:

(Start: 1 @10667 has 19 MA's), (2, 10691), (7, 10724), (12, 10841), (14, 10847), (15, 10874), (21, 10955), (22, 10979), (23, 11003), (26, 11021),

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

Candidate Starts for MakCheese_16:

(Start: 1 @9085 has 19 MA's), (3, 9106), (6, 9124), (15, 9253), (20, 9322), (22, 9358), (23, 9382), (26, 9400),

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

Candidate Starts for Mulch_18:

(Start: 1 @10607 has 19 MA's), (2, 10622), (4, 10631), (7, 10655), (10, 10724), (11, 10778), (12, 10781), (15, 10814), (21, 10895), (23, 10943), (24, 10952), (25, 10958),

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

Candidate Starts for Nadeem_18:

(Start: 1 @10607 has 19 MA's), (2, 10622), (4, 10631), (7, 10655), (10, 10724), (11, 10778), (12, 10781), (15, 10814), (21, 10895), (23, 10943), (24, 10952), (25, 10958),

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

Candidate Starts for NancyRae_18:

(Start: 1 @10607 has 19 MA's), (2, 10622), (4, 10631), (7, 10655), (10, 10724), (11, 10778), (12, 10781), (15, 10814), (21, 10895), (23, 10943), (24, 10952), (25, 10958),

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

Candidate Starts for Parada_18:

(Start: 1 @10607 has 19 MA's), (2, 10622), (4, 10631), (7, 10655), (10, 10724), (11, 10778), (12, 10781), (15, 10814), (21, 10895), (23, 10943), (24, 10952), (25, 10958),

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

Candidate Starts for Pimento_19:

(Start: 1 @10811 has 19 MA's), (7, 10859), (10, 10928), (11, 10982), (12, 10985), (15, 11018), (21, 11099), (23, 11147), (25, 11162),

Gene: Ponzi_52 Start: 29867, Stop: 30178, Start Num: 8

Candidate Starts for Ponzi_52:

(5, 29849), (Start: 8 @29867 has 1 MA's), (16, 30020), (17, 30038), (18, 30041),

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

Candidate Starts for Ruthy_15:

(Start: 1 @9419 has 19 MA's), (3, 9440), (6, 9458), (20, 9674), (22, 9710), (23, 9734), (26, 9752),

Gene: Spooks_58 Start: 33765, Stop: 34070, Start Num: 9

Candidate Starts for Spooks_58:

(Start: 9 @33765 has 3 MA's), (17, 33912), (19, 33918), (27, 34029),

Gene: Sprinklemunch_14 Start: 9134, Stop: 9484, Start Num: 1

Candidate Starts for Sprinklemunch_14:

(Start: 1 @9134 has 19 MA's), (13, 9257), (15, 9287), (20, 9356), (23, 9416), (26, 9434),

Gene: Success_59 Start: 32884, Stop: 33189, Start Num: 9

Candidate Starts for Success_59:

(Start: 9 @32884 has 3 MA's), (17, 33031), (19, 33037), (27, 33148),

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

Candidate Starts for WheatThin_19:

(Start: 1 @10607 has 19 MA's), (2, 10622), (4, 10631), (7, 10655), (10, 10724), (11, 10778), (12, 10781), (15, 10814), (21, 10895), (23, 10943), (24, 10952), (25, 10958),

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

Candidate Starts for Zodiariah_14:

(Start: 1 @9098 has 19 MA's), (15, 9248), (20, 9317), (22, 9353), (23, 9377), (26, 9395),