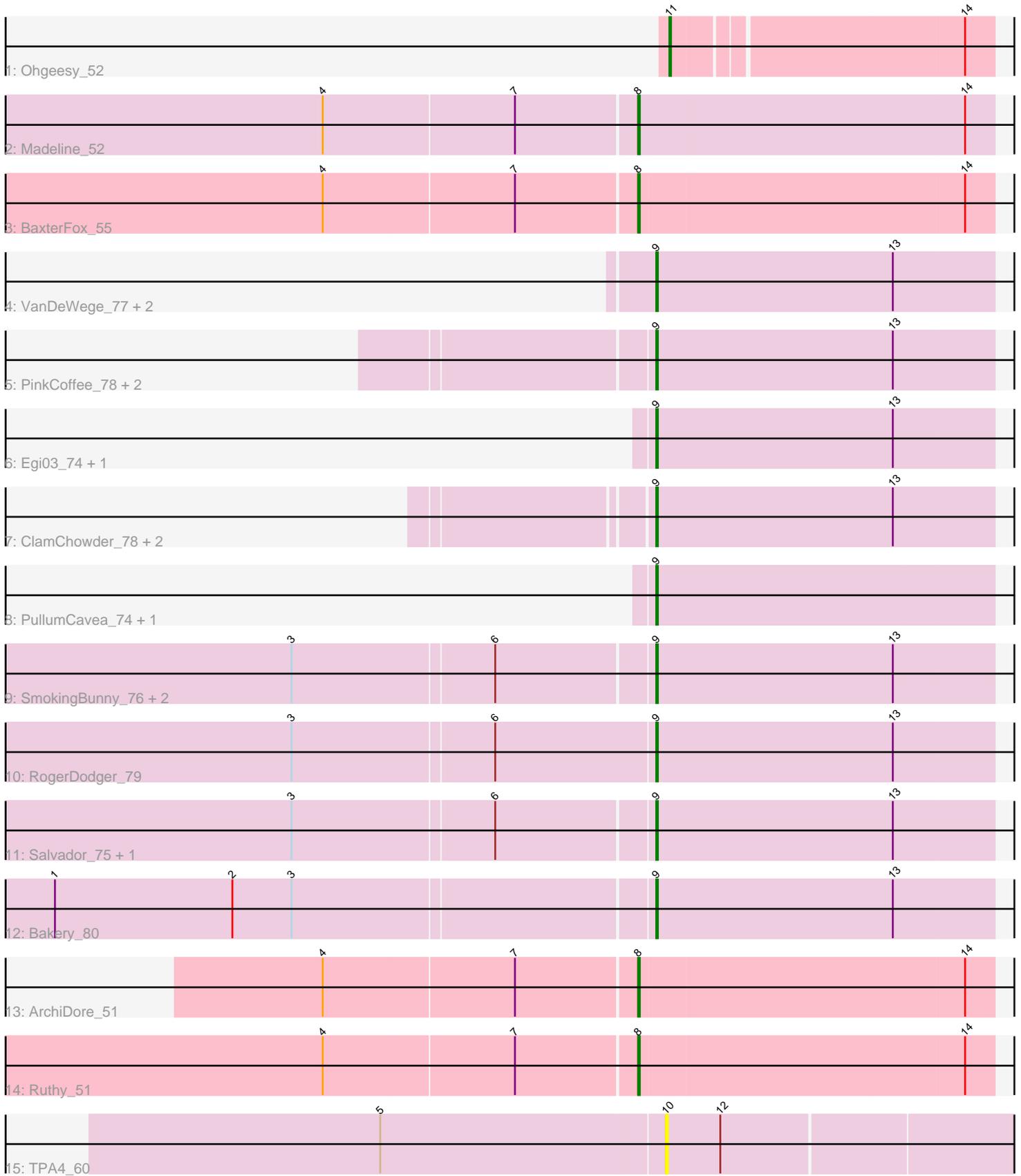


Pham 288146



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 288146 Report

This analysis was run 03/28/26 on database version 641.

Pham number 288146 has 26 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Ohgeesy_52
- Track 2 : Madeline_52
- Track 3 : BaxterFox_55
- Track 4 : VanDeWege_77, Portcullis_76, Arri_76
- Track 5 : PinkCoffee_78, Fireball_78, Danyall_77
- Track 6 : Egi03_74, Shinji_74
- Track 7 : ClamChowder_78, Fugax_79, Barb_78
- Track 8 : PullumCavea_74, Phlop_73
- Track 9 : SmokingBunny_76, Togo_75, Twister6_76
- Track 10 : RogerDodger_79
- Track 11 : Salvador_75, Evamon_75
- Track 12 : Bakery_80
- Track 13 : ArchiDore_51
- Track 14 : Ruthy_51
- Track 15 : TPA4_60

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

The start number called the most often in the published annotations is 9, it was called in 19 of the 24 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Arri_76, Bakery_80, Barb_78, ClamChowder_78, Danyall_77, Egi03_74, Evamon_75, Fireball_78, Fugax_79, Phlop_73, PinkCoffee_78, Portcullis_76, PullumCavea_74, RogerDodger_79, Salvador_75, Shinji_74, SmokingBunny_76, Togo_75, Twister6_76, VanDeWege_77,

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

-

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

- ArchiDore_51, BaxterFox_55, Madeline_52, Ohgeesy_52, Ruthy_51, TPA4_60,

Summary by start number:

Start 8:

- Found in 4 of 26 (15.4%) of genes in pham
- Manual Annotations of this start: 4 of 24
- Called 100.0% of time when present
- Phage (with cluster) where this start called: ArchiDore_51 (DW), BaxterFox_55 (CZ3), Madeline_52 (CZ1), Ruthy_51 (DW),

Start 9:

- Found in 20 of 26 (76.9%) of genes in pham
- Manual Annotations of this start: 19 of 24
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Arri_76 (DC1), Bakery_80 (DC1), Barb_78 (DC1), ClamChowder_78 (DC1), Danyall_77 (DC1), Egi03_74 (DC1), Evamon_75 (DC1), Fireball_78 (DC1), Fugax_79 (DC1), Phlop_73 (DC1), PinkCoffee_78 (DC1), Portcullis_76 (DC1), PullumCavea_74 (DC1), RogerDodger_79 (DC1), Salvador_75 (DC1), Shinji_74 (DC1), SmokingBunny_76 (DC1), Togo_75 (DC1), Twister6_76 (DC1), VanDeWege_77 (DC1),

Start 10:

- Found in 1 of 26 (3.8%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: TPA4_60 (singleton),

Start 11:

- Found in 1 of 26 (3.8%) of genes in pham
- Manual Annotations of this start: 1 of 24
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Ohgeesy_52 (CZ),

Summary by clusters:

There are 6 clusters represented in this pham: singleton, CZ3, CZ1, CZ, DW, DC1,

Info for manual annotations of cluster CZ:

- Start number 11 was manually annotated 1 time for cluster CZ.

Info for manual annotations of cluster CZ1:

- Start number 8 was manually annotated 1 time for cluster CZ1.

Info for manual annotations of cluster CZ3:

- Start number 8 was manually annotated 1 time for cluster CZ3.

Info for manual annotations of cluster DC1:

- Start number 9 was manually annotated 19 times for cluster DC1.

Info for manual annotations of cluster DW:

- Start number 8 was manually annotated 2 times for cluster DW.

Gene Information:

Gene: ArchiDore_51 Start: 39232, Stop: 39444, Start Num: 8
Candidate Starts for ArchiDore_51:
(4, 39046), (7, 39160), (Start: 8 @39232 has 4 MA's), (14, 39427),

Gene: Arri_76 Start: 51272, Stop: 51475, Start Num: 9
Candidate Starts for Arri_76:
(Start: 9 @51272 has 19 MA's), (13, 51416),

Gene: Bakery_80 Start: 53540, Stop: 53743, Start Num: 9
Candidate Starts for Bakery_80:
(1, 53183), (2, 53291), (3, 53327), (Start: 9 @53540 has 19 MA's), (13, 53684),

Gene: Barb_78 Start: 51382, Stop: 51585, Start Num: 9
Candidate Starts for Barb_78:
(Start: 9 @51382 has 19 MA's), (13, 51526),

Gene: BaxterFox_55 Start: 40002, Stop: 40214, Start Num: 8
Candidate Starts for BaxterFox_55:
(4, 39816), (7, 39930), (Start: 8 @40002 has 4 MA's), (14, 40197),

Gene: ClamChowder_78 Start: 51382, Stop: 51585, Start Num: 9
Candidate Starts for ClamChowder_78:
(Start: 9 @51382 has 19 MA's), (13, 51526),

Gene: Danyall_77 Start: 51474, Stop: 51677, Start Num: 9
Candidate Starts for Danyall_77:
(Start: 9 @51474 has 19 MA's), (13, 51618),

Gene: Egi03_74 Start: 50627, Stop: 50830, Start Num: 9
Candidate Starts for Egi03_74:
(Start: 9 @50627 has 19 MA's), (13, 50771),

Gene: Evamon_75 Start: 51007, Stop: 51210, Start Num: 9
Candidate Starts for Evamon_75:
(3, 50794), (6, 50914), (Start: 9 @51007 has 19 MA's), (13, 51151),

Gene: Fireball_78 Start: 51678, Stop: 51881, Start Num: 9
Candidate Starts for Fireball_78:
(Start: 9 @51678 has 19 MA's), (13, 51822),

Gene: Fugax_79 Start: 51374, Stop: 51577, Start Num: 9
Candidate Starts for Fugax_79:
(Start: 9 @51374 has 19 MA's), (13, 51518),

Gene: Madeline_52 Start: 39132, Stop: 39344, Start Num: 8
Candidate Starts for Madeline_52:
(4, 38946), (7, 39060), (Start: 8 @39132 has 4 MA's), (14, 39327),

Gene: Ohgeesy_52 Start: 38373, Stop: 38558, Start Num: 11
Candidate Starts for Ohgeesy_52:
(Start: 11 @38373 has 1 MA's), (14, 38541),

Gene: Phlop_73 Start: 50891, Stop: 51094, Start Num: 9

Candidate Starts for Phlop_73:
(Start: 9 @50891 has 19 MA's),

Gene: PinkCoffee_78 Start: 51515, Stop: 51718, Start Num: 9
Candidate Starts for PinkCoffee_78:
(Start: 9 @51515 has 19 MA's), (13, 51659),

Gene: Portcullis_76 Start: 50978, Stop: 51181, Start Num: 9
Candidate Starts for Portcullis_76:
(Start: 9 @50978 has 19 MA's), (13, 51122),

Gene: PullumCavea_74 Start: 51068, Stop: 51271, Start Num: 9
Candidate Starts for PullumCavea_74:
(Start: 9 @51068 has 19 MA's),

Gene: RogerDodger_79 Start: 52166, Stop: 52369, Start Num: 9
Candidate Starts for RogerDodger_79:
(3, 51950), (6, 52070), (Start: 9 @52166 has 19 MA's), (13, 52310),

Gene: Ruthy_51 Start: 38798, Stop: 39010, Start Num: 8
Candidate Starts for Ruthy_51:
(4, 38612), (7, 38726), (Start: 8 @38798 has 4 MA's), (14, 38993),

Gene: Salvador_75 Start: 51005, Stop: 51208, Start Num: 9
Candidate Starts for Salvador_75:
(3, 50792), (6, 50912), (Start: 9 @51005 has 19 MA's), (13, 51149),

Gene: Shinji_74 Start: 50670, Stop: 50873, Start Num: 9
Candidate Starts for Shinji_74:
(Start: 9 @50670 has 19 MA's), (13, 50814),

Gene: SmokingBunny_76 Start: 52001, Stop: 52204, Start Num: 9
Candidate Starts for SmokingBunny_76:
(3, 51788), (6, 51908), (Start: 9 @52001 has 19 MA's), (13, 52145),

Gene: TPA4_60 Start: 42608, Stop: 42820, Start Num: 10
Candidate Starts for TPA4_60:
(5, 42437), (10, 42608), (12, 42641),

Gene: Togo_75 Start: 52001, Stop: 52204, Start Num: 9
Candidate Starts for Togo_75:
(3, 51788), (6, 51908), (Start: 9 @52001 has 19 MA's), (13, 52145),

Gene: Twister6_76 Start: 50350, Stop: 50553, Start Num: 9
Candidate Starts for Twister6_76:
(3, 50137), (6, 50257), (Start: 9 @50350 has 19 MA's), (13, 50494),

Gene: VanDeWege_77 Start: 51335, Stop: 51538, Start Num: 9
Candidate Starts for VanDeWege_77:
(Start: 9 @51335 has 19 MA's), (13, 51479),