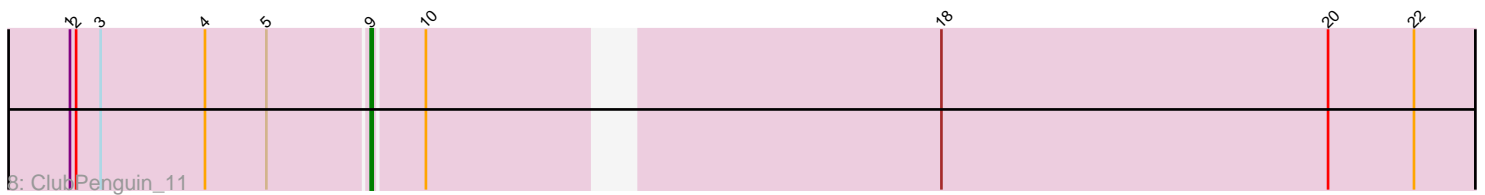
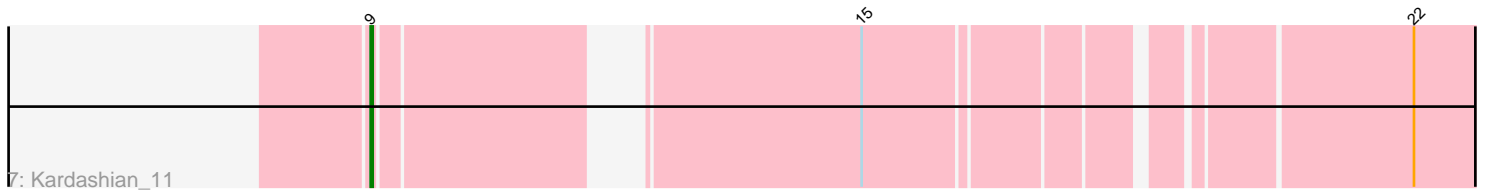
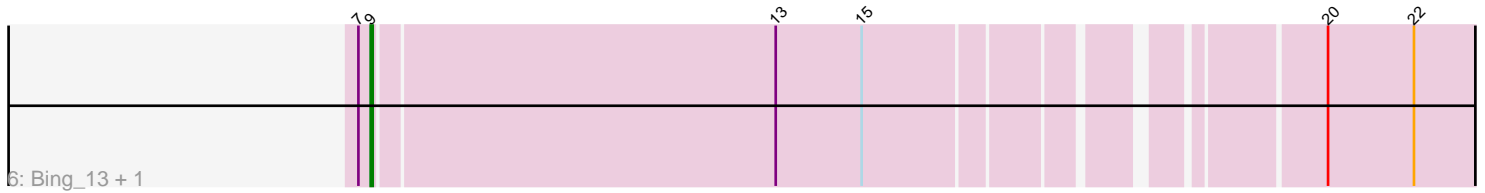
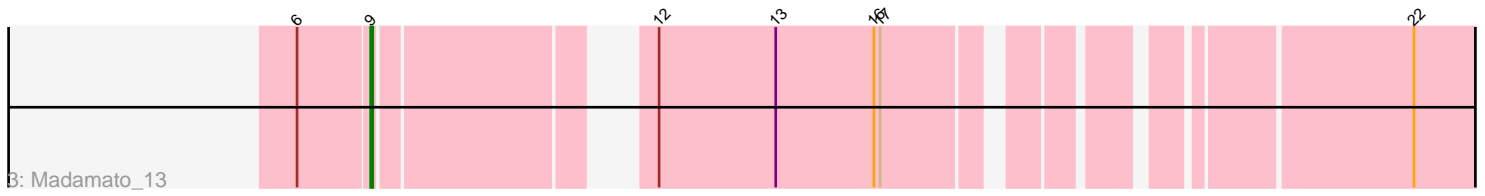
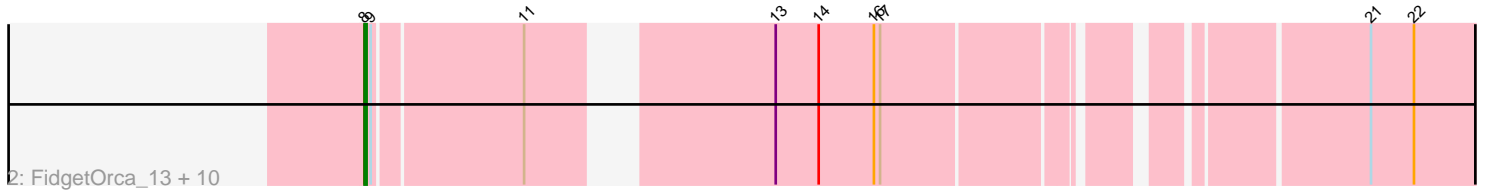
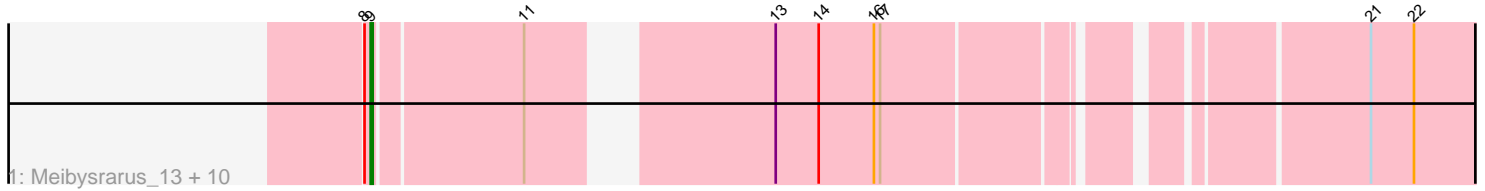


Pham 296766



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 296766 Report

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

Pham number 296766 has 35 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Meibysrarus_13, TaidaOne_13, TonyStarch_13, CherryBlossom_13, HazuAndZazu_13, Soshi_13, Jaylociraptor_13, Namo_13, IceWarrior_13, TieDye_12, Hoshi_13
- Track 2 : FidgetOrca_13, Spectropatronm_13, Indigenous_13, Maya_13, DrGrey_13, Espio_13, OlympicHelado_13, FrodoSwaggins_13, Popy_13, Rima_13, Esketit_13
- Track 3 : Madamato_13
- Track 4 : LibertyBell_11
- Track 5 : FromIndy_11, Rainydai_10, Regigigas_11, SendItCS_10, Thiqqums_10, CricKo_10, Miek_10
- Track 6 : Bing_13, Wigberry_12
- Track 7 : Kardashian_11
- Track 8 : ClubPenguin_11

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 21 of the 33 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Bing_13, CherryBlossom_13, ClubPenguin_11, CricKo_10, FromIndy_11, HazuAndZazu_13, Hoshi_13, IceWarrior_13, Jaylociraptor_13, Kardashian_11, Madamato_13, Meibysrarus_13, Miek_10, Namo_13, Rainydai_10, Regigigas_11, SendItCS_10, Soshi_13, TaidaOne_13, Thiqqums_10, TieDye_12, TonyStarch_13, Wigberry_12,

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

- DrGrey_13, Esketit_13, Espio_13, FidgetOrca_13, FrodoSwaggins_13, Indigenous_13, Maya_13, OlympicHelado_13, Popy_13, Rima_13, Spectropatronm_13,

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

- LibertyBell_11,

Summary by start number:

Start 8:

- Found in 23 of 35 (65.7%) of genes in pham
- Manual Annotations of this start: 12 of 33
- Called 52.2% of time when present
- Phage (with cluster) where this start called: DrGrey_13 (BI1), Esketit_13 (BI1), Espio_13 (BI1), FidgetOrca_13 (BI1), FrodoSwaggins_13 (BI1), Indigenous_13 (BI1), LibertyBell_11 (BI3), Maya_13 (BI1), OlympicHelado_13 (BI1), Popy_13 (BI1), Rima_13 (BI1), Spectropatronm_13 (BI1),

Start 9:

- Found in 34 of 35 (97.1%) of genes in pham
- Manual Annotations of this start: 21 of 33
- Called 67.6% of time when present
- Phage (with cluster) where this start called: Bing_13 (BI5), CherryBlossom_13 (BI1), ClubPenguin_11 (BI7), CricKo_10 (BI4), FromIndy_11 (BI4), HazuAndZazu_13 (BI1), Hoshi_13 (BI1), IceWarrior_13 (BI1), Jaylociraptor_13 (BI1), Kardashian_11 (BI6), Madamoto_13 (BI1), Meibysrarus_13 (BI1), Miek_10 (BI4), Namu_13 (BI1), Rainydai_10 (BI4), Regigigas_11 (BI4), SendItCS_10 (BI4), Soshi_13 (BI1), TaidaOne_13 (BI1), Thiqqums_10 (BI4), TieDye_12 (BI1), TonyStarch_13 (BI1), Wigberry_12 (BI5),

Summary by clusters:

There are 6 clusters represented in this pham: BI6, BI7, BI4, BI5, BI3, BI1,

Info for manual annotations of cluster BI1:

- Start number 8 was manually annotated 11 times for cluster BI1.
- Start number 9 was manually annotated 12 times for cluster BI1.

Info for manual annotations of cluster BI3:

- Start number 8 was manually annotated 1 time for cluster BI3.

Info for manual annotations of cluster BI4:

- Start number 9 was manually annotated 5 times for cluster BI4.

Info for manual annotations of cluster BI5:

- Start number 9 was manually annotated 2 times for cluster BI5.

Info for manual annotations of cluster BI6:

- Start number 9 was manually annotated 1 time for cluster BI6.

Info for manual annotations of cluster BI7:

- Start number 9 was manually annotated 1 time for cluster BI7.

Gene Information:

Gene: Bing_13 Start: 7765, Stop: 8283, Start Num: 9

Candidate Starts for Bing_13:

(7, 7759), (Start: 9 @7765 has 21 MA's), (13, 7957), (15, 7999), (20, 8191), (22, 8233),

Gene: CherryBlossom_13 Start: 8239, Stop: 8730, Start Num: 9
Candidate Starts for CherryBlossom_13:
(Start: 8 @8236 has 12 MA's), (Start: 9 @8239 has 21 MA's), (11, 8308), (13, 8404), (14, 8425), (16, 8452), (17, 8455), (21, 8659), (22, 8680),

Gene: ClubPenguin_11 Start: 8208, Stop: 8738, Start Num: 9
Candidate Starts for ClubPenguin_11:
(1, 8064), (2, 8067), (3, 8079), (4, 8130), (5, 8160), (Start: 9 @8208 has 21 MA's), (10, 8232), (18, 8460), (20, 8649), (22, 8691),

Gene: CricKo_10 Start: 6940, Stop: 7428, Start Num: 9
Candidate Starts for CricKo_10:
(Start: 9 @6940 has 21 MA's), (18, 7183), (19, 7249), (20, 7342), (22, 7384),

Gene: DrGrey_13 Start: 8738, Stop: 9232, Start Num: 8
Candidate Starts for DrGrey_13:
(Start: 8 @8738 has 12 MA's), (Start: 9 @8741 has 21 MA's), (11, 8810), (13, 8906), (14, 8927), (16, 8954), (17, 8957), (21, 9161), (22, 9182),

Gene: Esketit_13 Start: 8219, Stop: 8713, Start Num: 8
Candidate Starts for Esketit_13:
(Start: 8 @8219 has 12 MA's), (Start: 9 @8222 has 21 MA's), (11, 8291), (13, 8387), (14, 8408), (16, 8435), (17, 8438), (21, 8642), (22, 8663),

Gene: Espio_13 Start: 8739, Stop: 9233, Start Num: 8
Candidate Starts for Espio_13:
(Start: 8 @8739 has 12 MA's), (Start: 9 @8742 has 21 MA's), (11, 8811), (13, 8907), (14, 8928), (16, 8955), (17, 8958), (21, 9162), (22, 9183),

Gene: FidgetOrca_13 Start: 8219, Stop: 8713, Start Num: 8
Candidate Starts for FidgetOrca_13:
(Start: 8 @8219 has 12 MA's), (Start: 9 @8222 has 21 MA's), (11, 8291), (13, 8387), (14, 8408), (16, 8435), (17, 8438), (21, 8642), (22, 8663),

Gene: FrodoSwaggins_13 Start: 8738, Stop: 9232, Start Num: 8
Candidate Starts for FrodoSwaggins_13:
(Start: 8 @8738 has 12 MA's), (Start: 9 @8741 has 21 MA's), (11, 8810), (13, 8906), (14, 8927), (16, 8954), (17, 8957), (21, 9161), (22, 9182),

Gene: FromIndy_11 Start: 6940, Stop: 7428, Start Num: 9
Candidate Starts for FromIndy_11:
(Start: 9 @6940 has 21 MA's), (18, 7183), (19, 7249), (20, 7342), (22, 7384),

Gene: HazuAndZazu_13 Start: 8741, Stop: 9232, Start Num: 9
Candidate Starts for HazuAndZazu_13:
(Start: 8 @8738 has 12 MA's), (Start: 9 @8741 has 21 MA's), (11, 8810), (13, 8906), (14, 8927), (16, 8954), (17, 8957), (21, 9161), (22, 9182),

Gene: Hoshi_13 Start: 8222, Stop: 8713, Start Num: 9
Candidate Starts for Hoshi_13:
(Start: 8 @8219 has 12 MA's), (Start: 9 @8222 has 21 MA's), (11, 8291), (13, 8387), (14, 8408), (16, 8435), (17, 8438), (21, 8642), (22, 8663),

Gene: IceWarrior_13 Start: 8222, Stop: 8713, Start Num: 9
Candidate Starts for IceWarrior_13:
(Start: 8 @8219 has 12 MA's), (Start: 9 @8222 has 21 MA's), (11, 8291), (13, 8387), (14, 8408), (16, 8435), (17, 8438), (21, 8642), (22, 8663),

Gene: Indigenous_13 Start: 8219, Stop: 8713, Start Num: 8
Candidate Starts for Indigenous_13:
(Start: 8 @8219 has 12 MA's), (Start: 9 @8222 has 21 MA's), (11, 8291), (13, 8387), (14, 8408), (16, 8435), (17, 8438), (21, 8642), (22, 8663),

Gene: Jaylociraptor_13 Start: 8222, Stop: 8713, Start Num: 9
Candidate Starts for Jaylociraptor_13:
(Start: 8 @8219 has 12 MA's), (Start: 9 @8222 has 21 MA's), (11, 8291), (13, 8387), (14, 8408), (16, 8435), (17, 8438), (21, 8642), (22, 8663),

Gene: Kardashian_11 Start: 7953, Stop: 8435, Start Num: 9
Candidate Starts for Kardashian_11:
(Start: 9 @7953 has 21 MA's), (15, 8154), (22, 8391),

Gene: LibertyBell_11 Start: 6901, Stop: 7431, Start Num: 8
Candidate Starts for LibertyBell_11:
(Start: 8 @6901 has 12 MA's), (22, 7381),

Gene: Madamoto_13 Start: 8214, Stop: 8693, Start Num: 9
Candidate Starts for Madamoto_13:
(6, 8181), (Start: 9 @8214 has 21 MA's), (12, 8319), (13, 8376), (16, 8424), (17, 8427), (22, 8643),

Gene: Maya_13 Start: 8227, Stop: 8721, Start Num: 8
Candidate Starts for Maya_13:
(Start: 8 @8227 has 12 MA's), (Start: 9 @8230 has 21 MA's), (11, 8299), (13, 8395), (14, 8416), (16, 8443), (17, 8446), (21, 8650), (22, 8671),

Gene: Meibysrarus_13 Start: 8222, Stop: 8713, Start Num: 9
Candidate Starts for Meibysrarus_13:
(Start: 8 @8219 has 12 MA's), (Start: 9 @8222 has 21 MA's), (11, 8291), (13, 8387), (14, 8408), (16, 8435), (17, 8438), (21, 8642), (22, 8663),

Gene: Miek_10 Start: 6940, Stop: 7428, Start Num: 9
Candidate Starts for Miek_10:
(Start: 9 @6940 has 21 MA's), (18, 7183), (19, 7249), (20, 7342), (22, 7384),

Gene: Namo_13 Start: 8222, Stop: 8713, Start Num: 9
Candidate Starts for Namo_13:
(Start: 8 @8219 has 12 MA's), (Start: 9 @8222 has 21 MA's), (11, 8291), (13, 8387), (14, 8408), (16, 8435), (17, 8438), (21, 8642), (22, 8663),

Gene: OlympicHelado_13 Start: 8219, Stop: 8713, Start Num: 8
Candidate Starts for OlympicHelado_13:
(Start: 8 @8219 has 12 MA's), (Start: 9 @8222 has 21 MA's), (11, 8291), (13, 8387), (14, 8408), (16, 8435), (17, 8438), (21, 8642), (22, 8663),

Gene: Popy_13 Start: 8738, Stop: 9232, Start Num: 8

Candidate Starts for Popy_13:

(Start: 8 @8738 has 12 MA's), (Start: 9 @8741 has 21 MA's), (11, 8810), (13, 8906), (14, 8927), (16, 8954), (17, 8957), (21, 9161), (22, 9182),

Gene: Rainydai_10 Start: 6940, Stop: 7428, Start Num: 9

Candidate Starts for Rainydai_10:

(Start: 9 @6940 has 21 MA's), (18, 7183), (19, 7249), (20, 7342), (22, 7384),

Gene: Regigigas_11 Start: 6940, Stop: 7428, Start Num: 9

Candidate Starts for Regigigas_11:

(Start: 9 @6940 has 21 MA's), (18, 7183), (19, 7249), (20, 7342), (22, 7384),

Gene: Rima_13 Start: 8219, Stop: 8713, Start Num: 8

Candidate Starts for Rima_13:

(Start: 8 @8219 has 12 MA's), (Start: 9 @8222 has 21 MA's), (11, 8291), (13, 8387), (14, 8408), (16, 8435), (17, 8438), (21, 8642), (22, 8663),

Gene: SendItCS_10 Start: 6940, Stop: 7428, Start Num: 9

Candidate Starts for SendItCS_10:

(Start: 9 @6940 has 21 MA's), (18, 7183), (19, 7249), (20, 7342), (22, 7384),

Gene: Soshi_13 Start: 8741, Stop: 9232, Start Num: 9

Candidate Starts for Soshi_13:

(Start: 8 @8738 has 12 MA's), (Start: 9 @8741 has 21 MA's), (11, 8810), (13, 8906), (14, 8927), (16, 8954), (17, 8957), (21, 9161), (22, 9182),

Gene: Spectropatronm_13 Start: 8219, Stop: 8713, Start Num: 8

Candidate Starts for Spectropatronm_13:

(Start: 8 @8219 has 12 MA's), (Start: 9 @8222 has 21 MA's), (11, 8291), (13, 8387), (14, 8408), (16, 8435), (17, 8438), (21, 8642), (22, 8663),

Gene: TaidaOne_13 Start: 8864, Stop: 9355, Start Num: 9

Candidate Starts for TaidaOne_13:

(Start: 8 @8861 has 12 MA's), (Start: 9 @8864 has 21 MA's), (11, 8933), (13, 9029), (14, 9050), (16, 9077), (17, 9080), (21, 9284), (22, 9305),

Gene: Thiqqums_10 Start: 6940, Stop: 7428, Start Num: 9

Candidate Starts for Thiqqums_10:

(Start: 9 @6940 has 21 MA's), (18, 7183), (19, 7249), (20, 7342), (22, 7384),

Gene: TieDye_12 Start: 7932, Stop: 8423, Start Num: 9

Candidate Starts for TieDye_12:

(Start: 8 @7929 has 12 MA's), (Start: 9 @7932 has 21 MA's), (11, 8001), (13, 8097), (14, 8118), (16, 8145), (17, 8148), (21, 8352), (22, 8373),

Gene: TonyStarch_13 Start: 8222, Stop: 8713, Start Num: 9

Candidate Starts for TonyStarch_13:

(Start: 8 @8219 has 12 MA's), (Start: 9 @8222 has 21 MA's), (11, 8291), (13, 8387), (14, 8408), (16, 8435), (17, 8438), (21, 8642), (22, 8663),

Gene: Wigberry_12 Start: 7310, Stop: 7828, Start Num: 9

Candidate Starts for Wigberry_12:

(7, 7304), (Start: 9 @7310 has 21 MA's), (13, 7502), (15, 7544), (20, 7736), (22, 7778),

