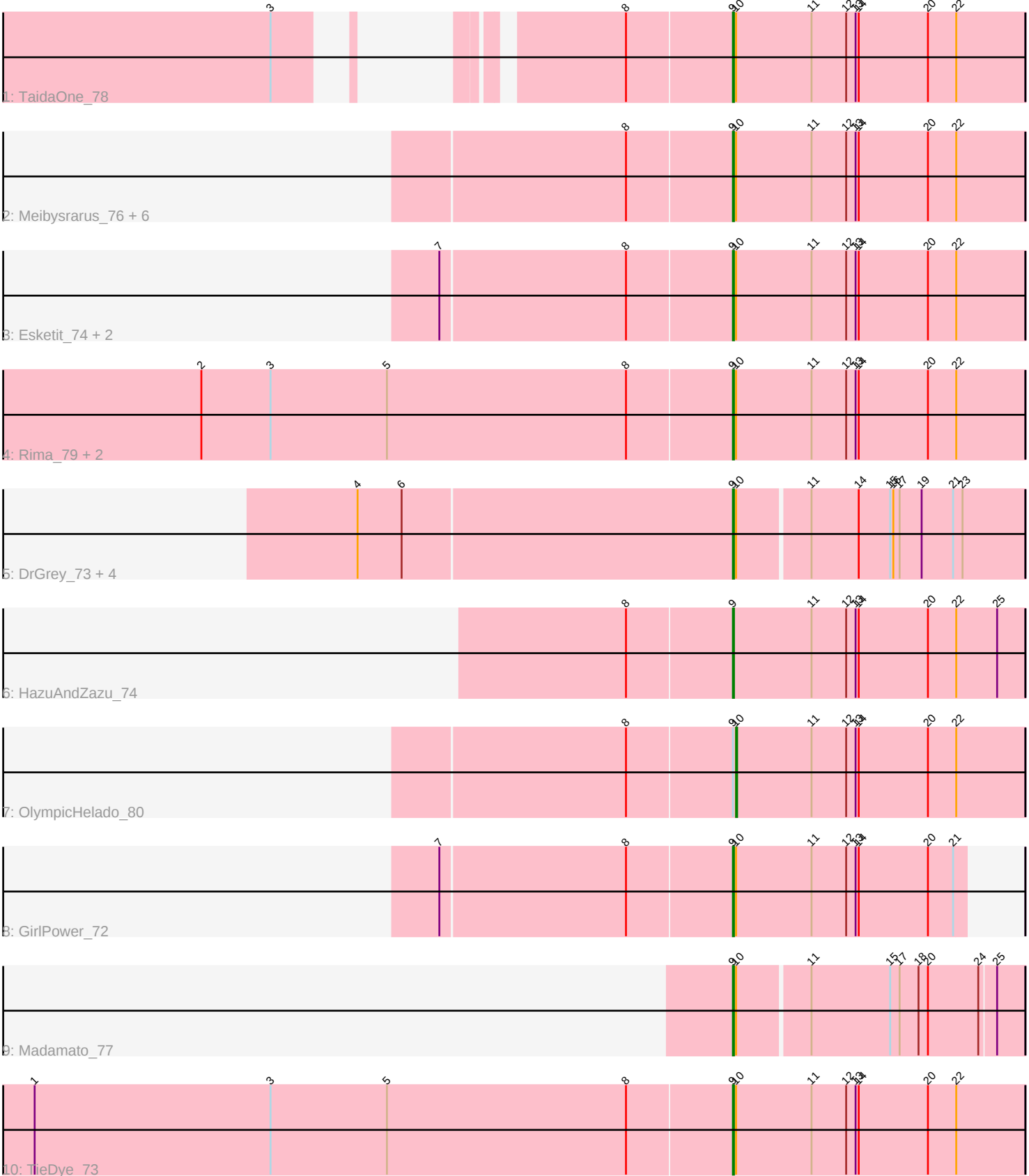


Pham 265499



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 265499 Report

This analysis was run 02/07/26 on database version 634.

Pham number 265499 has 24 members, 1 are drafts.

Phages represented in each track:

- Track 1 : TaidaOne_78
- Track 2 : Meibysrarus_76, TonyStarch_77, Maya_78, FidgetOrca_80, Indigenous_80, Jaylociraptor_78, CherryBlossom_78
- Track 3 : Esketit_74, Hoshi_79, Spectropatronm_77
- Track 4 : Rima_79, Namu_80, IceWarrior_78
- Track 5 : DrGrey_73, Soshi_76, FrodoSwaggins_75, Espio_77, Popy_75
- Track 6 : HazuAndZazu_74
- Track 7 : OlympicHelado_80
- Track 8 : GirlPower_72
- Track 9 : Madamato_77
- Track 10 : TieDye_73

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 22 of the 23 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- CherryBlossom_78, DrGrey_73, Esketit_74, Espio_77, FidgetOrca_80, FrodoSwaggins_75, GirlPower_72, HazuAndZazu_74, Hoshi_79, IceWarrior_78, Indigenous_80, Jaylociraptor_78, Madamato_77, Maya_78, Meibysrarus_76, Namu_80, Popy_75, Rima_79, Soshi_76, Spectropatronm_77, TaidaOne_78, TieDye_73, TonyStarch_77,

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

- OlympicHelado_80,

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

-

Summary by start number:

Start 9:

- Found in 24 of 24 (100.0%) of genes in pham

- Manual Annotations of this start: 22 of 23
- Called 95.8% of time when present
- Phage (with cluster) where this start called: CherryBlossom_78 (BI1), DrGrey_73 (BI1), Esketit_74 (BI1), Espio_77 (BI1), FidgetOrca_80 (BI1), FrodoSwaggins_75 (BI1), GirlPower_72 (BI1), HazuAndZazu_74 (BI1), Hoshi_79 (BI1), IceWarrior_78 (BI1), Indigenous_80 (BI1), Jaylociraptor_78 (BI1), Madamoto_77 (BI1), Maya_78 (BI1), Meibysrarus_76 (BI1), Namo_80 (BI1), Popy_75 (BI1), Rima_79 (BI1), Soshi_76 (BI1), Spectropatronm_77 (BI1), TaidaOne_78 (BI1), TieDye_73 (BI1), TonyStarch_77 (BI1),

Start 10:

- Found in 23 of 24 (95.8%) of genes in pham
- Manual Annotations of this start: 1 of 23
- Called 4.3% of time when present
- Phage (with cluster) where this start called: OlympicHelado_80 (BI1),

Summary by clusters:

There is one cluster represented in this pham: BI1

Info for manual annotations of cluster BI1:

- Start number 9 was manually annotated 22 times for cluster BI1.
- Start number 10 was manually annotated 1 time for cluster BI1.

Gene Information:

Gene: CherryBlossom_78 Start: 47582, Stop: 47860, Start Num: 9

Candidate Starts for CherryBlossom_78:

(8, 47483), (Start: 9 @47582 has 22 MA's), (Start: 10 @47585 has 1 MA's), (11, 47657), (12, 47690), (13, 47699), (14, 47702), (20, 47768), (22, 47795),

Gene: DrGrey_73 Start: 47926, Stop: 48198, Start Num: 9

Candidate Starts for DrGrey_73:

(4, 47572), (6, 47614), (Start: 9 @47926 has 22 MA's), (Start: 10 @47929 has 1 MA's), (11, 47995), (14, 48040), (15, 48070), (16, 48073), (17, 48079), (19, 48100), (21, 48130), (23, 48139),

Gene: Esketit_74 Start: 46683, Stop: 46961, Start Num: 9

Candidate Starts for Esketit_74:

(7, 46410), (8, 46584), (Start: 9 @46683 has 22 MA's), (Start: 10 @46686 has 1 MA's), (11, 46758), (12, 46791), (13, 46800), (14, 46803), (20, 46869), (22, 46896),

Gene: Espio_77 Start: 48321, Stop: 48593, Start Num: 9

Candidate Starts for Espio_77:

(4, 47967), (6, 48009), (Start: 9 @48321 has 22 MA's), (Start: 10 @48324 has 1 MA's), (11, 48390), (14, 48435), (15, 48465), (16, 48468), (17, 48474), (19, 48495), (21, 48525), (23, 48534),

Gene: FidgetOrca_80 Start: 48133, Stop: 48411, Start Num: 9

Candidate Starts for FidgetOrca_80:

(8, 48034), (Start: 9 @48133 has 22 MA's), (Start: 10 @48136 has 1 MA's), (11, 48208), (12, 48241), (13, 48250), (14, 48253), (20, 48319), (22, 48346),

Gene: FrodoSwaggins_75 Start: 48320, Stop: 48592, Start Num: 9

Candidate Starts for FrodoSwaggins_75:

(4, 47966), (6, 48008), (Start: 9 @48320 has 22 MA's), (Start: 10 @48323 has 1 MA's), (11, 48389), (14, 48434), (15, 48464), (16, 48467), (17, 48473), (19, 48494), (21, 48524), (23, 48533),

Gene: GirlPower_72 Start: 47872, Stop: 48093, Start Num: 9

Candidate Starts for GirlPower_72:

(7, 47599), (8, 47773), (Start: 9 @47872 has 22 MA's), (Start: 10 @47875 has 1 MA's), (11, 47947), (12, 47980), (13, 47989), (14, 47992), (20, 48058), (21, 48082),

Gene: HazuAndZazu_74 Start: 47694, Stop: 47972, Start Num: 9

Candidate Starts for HazuAndZazu_74:

(8, 47595), (Start: 9 @47694 has 22 MA's), (11, 47769), (12, 47802), (13, 47811), (14, 47814), (20, 47880), (22, 47907), (25, 47946),

Gene: Hoshi_79 Start: 47746, Stop: 48024, Start Num: 9

Candidate Starts for Hoshi_79:

(7, 47473), (8, 47647), (Start: 9 @47746 has 22 MA's), (Start: 10 @47749 has 1 MA's), (11, 47821), (12, 47854), (13, 47863), (14, 47866), (20, 47932), (22, 47959),

Gene: IceWarrior_78 Start: 47525, Stop: 47803, Start Num: 9

Candidate Starts for IceWarrior_78:

(2, 47021), (3, 47087), (5, 47198), (8, 47426), (Start: 9 @47525 has 22 MA's), (Start: 10 @47528 has 1 MA's), (11, 47600), (12, 47633), (13, 47642), (14, 47645), (20, 47711), (22, 47738),

Gene: Indigenous_80 Start: 48137, Stop: 48415, Start Num: 9

Candidate Starts for Indigenous_80:

(8, 48038), (Start: 9 @48137 has 22 MA's), (Start: 10 @48140 has 1 MA's), (11, 48212), (12, 48245), (13, 48254), (14, 48257), (20, 48323), (22, 48350),

Gene: Jaylociraptor_78 Start: 47718, Stop: 47996, Start Num: 9

Candidate Starts for Jaylociraptor_78:

(8, 47619), (Start: 9 @47718 has 22 MA's), (Start: 10 @47721 has 1 MA's), (11, 47793), (12, 47826), (13, 47835), (14, 47838), (20, 47904), (22, 47931),

Gene: Madamato_77 Start: 47265, Stop: 47534, Start Num: 9

Candidate Starts for Madamato_77:

(Start: 9 @47265 has 22 MA's), (Start: 10 @47268 has 1 MA's), (11, 47334), (15, 47409), (17, 47418), (18, 47436), (20, 47445), (24, 47493), (25, 47508),

Gene: Maya_78 Start: 47732, Stop: 48010, Start Num: 9

Candidate Starts for Maya_78:

(8, 47633), (Start: 9 @47732 has 22 MA's), (Start: 10 @47735 has 1 MA's), (11, 47807), (12, 47840), (13, 47849), (14, 47852), (20, 47918), (22, 47945),

Gene: Meibysrarus_76 Start: 47116, Stop: 47394, Start Num: 9

Candidate Starts for Meibysrarus_76:

(8, 47017), (Start: 9 @47116 has 22 MA's), (Start: 10 @47119 has 1 MA's), (11, 47191), (12, 47224), (13, 47233), (14, 47236), (20, 47302), (22, 47329),

Gene: Namo_80 Start: 48187, Stop: 48465, Start Num: 9

Candidate Starts for Namo_80:

(2, 47683), (3, 47749), (5, 47860), (8, 48088), (Start: 9 @48187 has 22 MA's), (Start: 10 @48190 has 1 MA's), (11, 48262), (12, 48295), (13, 48304), (14, 48307), (20, 48373), (22, 48400),

Gene: OlympicHelado_80 Start: 48211, Stop: 48486, Start Num: 10

Candidate Starts for OlympicHelado_80:

(8, 48109), (Start: 9 @48208 has 22 MA's), (Start: 10 @48211 has 1 MA's), (11, 48283), (12, 48316), (13, 48325), (14, 48328), (20, 48394), (22, 48421),

Gene: Popy_75 Start: 48320, Stop: 48592, Start Num: 9

Candidate Starts for Popy_75:

(4, 47966), (6, 48008), (Start: 9 @48320 has 22 MA's), (Start: 10 @48323 has 1 MA's), (11, 48389), (14, 48434), (15, 48464), (16, 48467), (17, 48473), (19, 48494), (21, 48524), (23, 48533),

Gene: Rima_79 Start: 48187, Stop: 48465, Start Num: 9

Candidate Starts for Rima_79:

(2, 47683), (3, 47749), (5, 47860), (8, 48088), (Start: 9 @48187 has 22 MA's), (Start: 10 @48190 has 1 MA's), (11, 48262), (12, 48295), (13, 48304), (14, 48307), (20, 48373), (22, 48400),

Gene: Soshi_76 Start: 48185, Stop: 48457, Start Num: 9

Candidate Starts for Soshi_76:

(4, 47831), (6, 47873), (Start: 9 @48185 has 22 MA's), (Start: 10 @48188 has 1 MA's), (11, 48254), (14, 48299), (15, 48329), (16, 48332), (17, 48338), (19, 48359), (21, 48389), (23, 48398),

Gene: Spectropatronm_77 Start: 47725, Stop: 48003, Start Num: 9

Candidate Starts for Spectropatronm_77:

(7, 47452), (8, 47626), (Start: 9 @47725 has 22 MA's), (Start: 10 @47728 has 1 MA's), (11, 47800), (12, 47833), (13, 47842), (14, 47845), (20, 47911), (22, 47938),

Gene: TaidaOne_78 Start: 48169, Stop: 48447, Start Num: 9

Candidate Starts for TaidaOne_78:

(3, 47887), (8, 48070), (Start: 9 @48169 has 22 MA's), (Start: 10 @48172 has 1 MA's), (11, 48244), (12, 48277), (13, 48286), (14, 48289), (20, 48355), (22, 48382),

Gene: TieDye_73 Start: 46750, Stop: 47028, Start Num: 9

Candidate Starts for TieDye_73:

(1, 46087), (3, 46312), (5, 46423), (8, 46651), (Start: 9 @46750 has 22 MA's), (Start: 10 @46753 has 1 MA's), (11, 46825), (12, 46858), (13, 46867), (14, 46870), (20, 46936), (22, 46963),

Gene: TonyStarch_77 Start: 47488, Stop: 47766, Start Num: 9

Candidate Starts for TonyStarch_77:

(8, 47389), (Start: 9 @47488 has 22 MA's), (Start: 10 @47491 has 1 MA's), (11, 47563), (12, 47596), (13, 47605), (14, 47608), (20, 47674), (22, 47701),