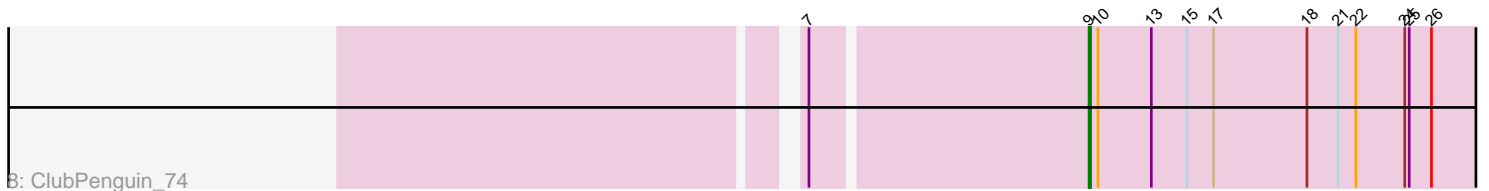
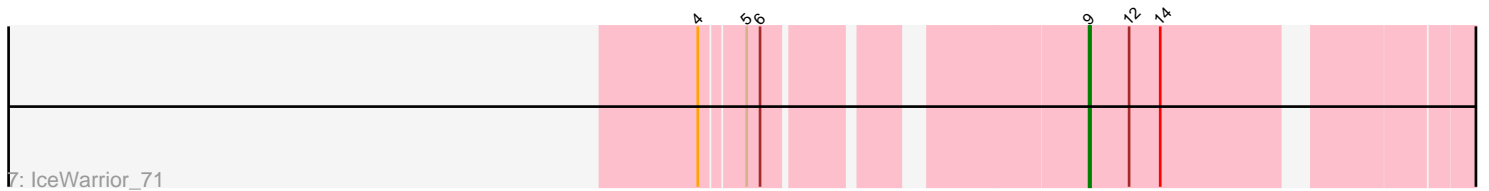
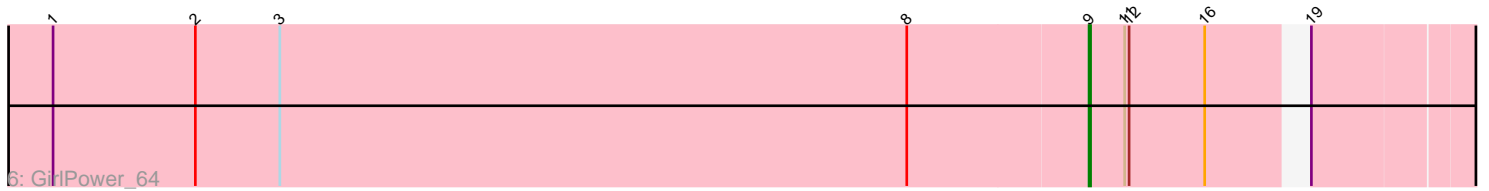
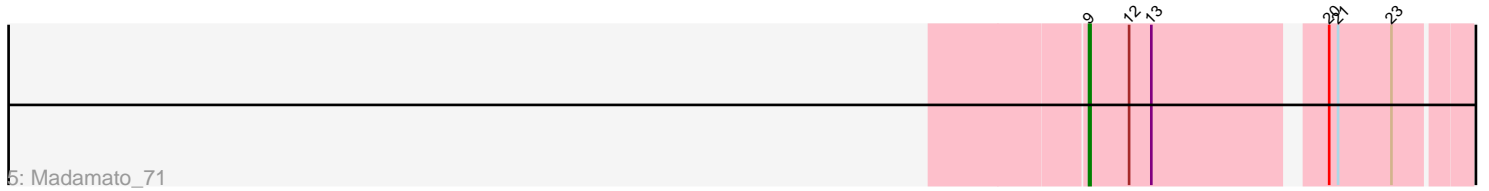
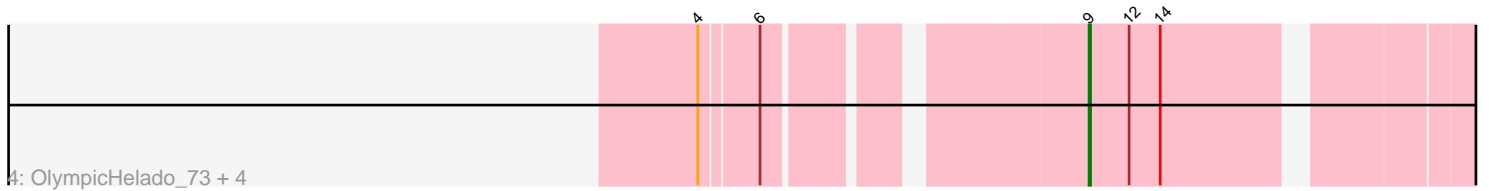
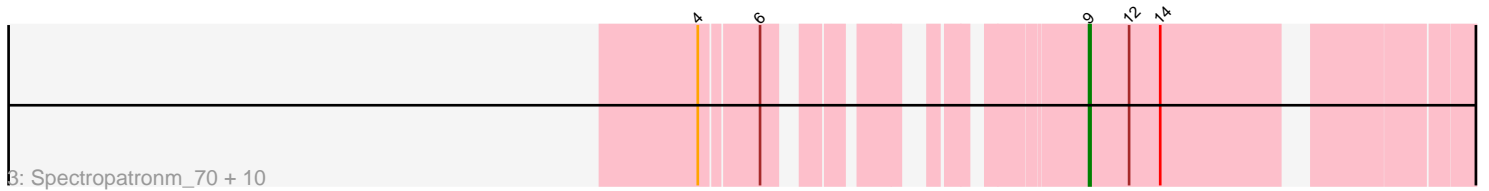
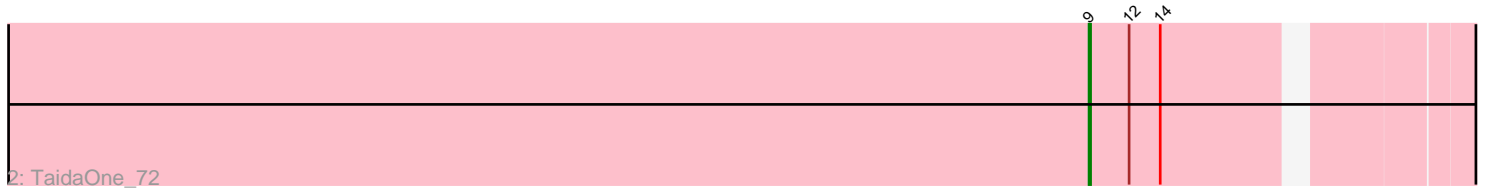
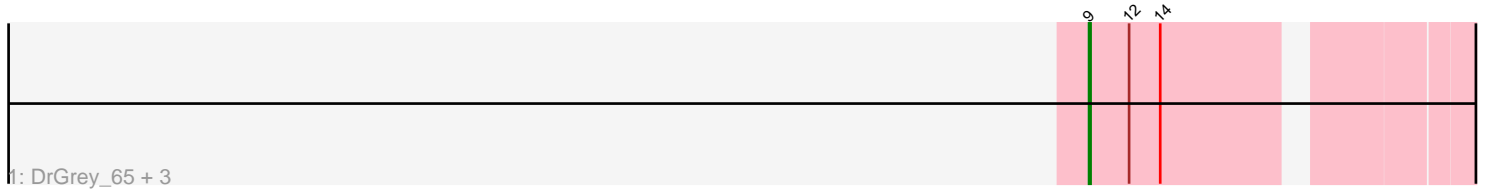


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Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. 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 309142 Report

This analysis was run 06/27/26 on database version 652.

Pham number 309142 has 25 members, 0 are drafts.

Phages represented in each track:

- Track 1 : DrGrey_65, Espio_67, Popy_67, FrodoSwaggins_67
- Track 2 : TaidaOne_72
- Track 3 : Spectropatronm_70, TonyStarch_70, FidgetOrca_73, TieDye_67, Maya_71, Jaylociraptor_71, Esketit_67, Meibysrarus_69, Hoshi_72, Indigenous_73, CherryBlossom_71
- Track 4 : OlympicHelado_73, Namu_73, HazuAndZazu_67, Soshi_68, Rima_72
- Track 5 : Madamato_71
- Track 6 : GirlPower_64
- Track 7 : IceWarrior_71
- Track 8 : ClubPenguin_74

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 25 of the 25 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- CherryBlossom_71, ClubPenguin_74, DrGrey_65, Esketit_67, Espio_67, FidgetOrca_73, FrodoSwaggins_67, GirlPower_64, HazuAndZazu_67, Hoshi_72, IceWarrior_71, Indigenous_73, Jaylociraptor_71, Madamato_71, Maya_71, Meibysrarus_69, Namu_73, OlympicHelado_73, Popy_67, Rima_72, Soshi_68, Spectropatronm_70, TaidaOne_72, TieDye_67, TonyStarch_70,

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

-

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

-

Summary by start number:

Start 9:

- Found in 25 of 25 (100.0%) of genes in pham
- Manual Annotations of this start: 25 of 25

- Called 100.0% of time when present
- Phage (with cluster) where this start called: CherryBlossom_71 (BI1), ClubPenguin_74 (BI7), DrGrey_65 (BI1), Esketit_67 (BI1), Espio_67 (BI1), FidgetOrca_73 (BI1), FrodoSwaggins_67 (BI1), GirlPower_64 (BI1), HazuAndZazu_67 (BI1), Hoshi_72 (BI1), IceWarrior_71 (BI1), Indigenous_73 (BI1), Jaylociraptor_71 (BI1), Madamato_71 (BI1), Maya_71 (BI1), Meibysrarus_69 (BI1), Namu_73 (BI1), OlympicHelado_73 (BI1), Popy_67 (BI1), Rima_72 (BI1), Soshi_68 (BI1), Spectropatronm_70 (BI1), TaidaOne_72 (BI1), TieDye_67 (BI1), TonyStarch_70 (BI1),

Summary by clusters:

There are 2 clusters represented in this pham: BI7, BI1,

Info for manual annotations of cluster BI1:

- Start number 9 was manually annotated 24 times for cluster BI1.

Info for manual annotations of cluster BI7:

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

Gene Information:

Gene: CherryBlossom_71 Start: 45253, Stop: 45486, Start Num: 9

Candidate Starts for CherryBlossom_71:

(4, 45064), (6, 45100), (Start: 9 @45253 has 25 MA's), (12, 45280), (14, 45301),

Gene: ClubPenguin_74 Start: 45429, Stop: 45701, Start Num: 9

Candidate Starts for ClubPenguin_74:

(7, 45249), (Start: 9 @45429 has 25 MA's), (10, 45435), (13, 45471), (15, 45495), (17, 45513), (18, 45576), (21, 45597), (22, 45609), (24, 45642), (25, 45645), (26, 45660),

Gene: DrGrey_65 Start: 45213, Stop: 45446, Start Num: 9

Candidate Starts for DrGrey_65:

(Start: 9 @45213 has 25 MA's), (12, 45240), (14, 45261),

Gene: Esketit_67 Start: 44354, Stop: 44587, Start Num: 9

Candidate Starts for Esketit_67:

(4, 44165), (6, 44201), (Start: 9 @44354 has 25 MA's), (12, 44381), (14, 44402),

Gene: Espio_67 Start: 45608, Stop: 45841, Start Num: 9

Candidate Starts for Espio_67:

(Start: 9 @45608 has 25 MA's), (12, 45635), (14, 45656),

Gene: FidgetOrca_73 Start: 45783, Stop: 46037, Start Num: 9

Candidate Starts for FidgetOrca_73:

(4, 45594), (6, 45630), (Start: 9 @45783 has 25 MA's), (12, 45810), (14, 45831),

Gene: FrodoSwaggins_67 Start: 45607, Stop: 45840, Start Num: 9

Candidate Starts for FrodoSwaggins_67:

(Start: 9 @45607 has 25 MA's), (12, 45634), (14, 45655),

Gene: GirlPower_64 Start: 45215, Stop: 45448, Start Num: 9
Candidate Starts for GirlPower_64:
(1, 44519), (2, 44615), (3, 44672), (8, 45095), (Start: 9 @45215 has 25 MA's), (11, 45239), (12, 45242),
(16, 45293), (19, 45344),

Gene: HazuAndZazu_67 Start: 45275, Stop: 45508, Start Num: 9
Candidate Starts for HazuAndZazu_67:
(4, 45053), (6, 45089), (Start: 9 @45275 has 25 MA's), (12, 45302), (14, 45323),

Gene: Hoshi_72 Start: 45396, Stop: 45650, Start Num: 9
Candidate Starts for Hoshi_72:
(4, 45207), (6, 45243), (Start: 9 @45396 has 25 MA's), (12, 45423), (14, 45444),

Gene: IceWarrior_71 Start: 45105, Stop: 45338, Start Num: 9
Candidate Starts for IceWarrior_71:
(4, 44883), (5, 44910), (6, 44919), (Start: 9 @45105 has 25 MA's), (12, 45132), (14, 45153),

Gene: Indigenous_73 Start: 45787, Stop: 46041, Start Num: 9
Candidate Starts for Indigenous_73:
(4, 45598), (6, 45634), (Start: 9 @45787 has 25 MA's), (12, 45814), (14, 45835),

Gene: Jaylociraptor_71 Start: 45389, Stop: 45622, Start Num: 9
Candidate Starts for Jaylociraptor_71:
(4, 45200), (6, 45236), (Start: 9 @45389 has 25 MA's), (12, 45416), (14, 45437),

Gene: Madamoto_71 Start: 44992, Stop: 45228, Start Num: 9
Candidate Starts for Madamoto_71:
(Start: 9 @44992 has 25 MA's), (12, 45019), (13, 45034), (20, 45139), (21, 45145), (23, 45181),

Gene: Maya_71 Start: 45403, Stop: 45636, Start Num: 9
Candidate Starts for Maya_71:
(4, 45214), (6, 45250), (Start: 9 @45403 has 25 MA's), (12, 45430), (14, 45451),

Gene: Meibysrarus_69 Start: 44766, Stop: 45020, Start Num: 9
Candidate Starts for Meibysrarus_69:
(4, 44577), (6, 44613), (Start: 9 @44766 has 25 MA's), (12, 44793), (14, 44814),

Gene: Namo_73 Start: 45767, Stop: 46000, Start Num: 9
Candidate Starts for Namo_73:
(4, 45545), (6, 45581), (Start: 9 @45767 has 25 MA's), (12, 45794), (14, 45815),

Gene: OlympicHelado_73 Start: 45879, Stop: 46112, Start Num: 9
Candidate Starts for OlympicHelado_73:
(4, 45657), (6, 45693), (Start: 9 @45879 has 25 MA's), (12, 45906), (14, 45927),

Gene: Popy_67 Start: 45607, Stop: 45840, Start Num: 9
Candidate Starts for Popy_67:
(Start: 9 @45607 has 25 MA's), (12, 45634), (14, 45655),

Gene: Rima_72 Start: 45767, Stop: 46000, Start Num: 9
Candidate Starts for Rima_72:
(4, 45545), (6, 45581), (Start: 9 @45767 has 25 MA's), (12, 45794), (14, 45815),

Gene: Soshi_68 Start: 45472, Stop: 45705, Start Num: 9

Candidate Starts for Soshi_68:

(4, 45250), (6, 45286), (Start: 9 @45472 has 25 MA's), (12, 45499), (14, 45520),

Gene: Spectropatronm_70 Start: 45396, Stop: 45629, Start Num: 9

Candidate Starts for Spectropatronm_70:

(4, 45207), (6, 45243), (Start: 9 @45396 has 25 MA's), (12, 45423), (14, 45444),

Gene: TaidaOne_72 Start: 46292, Stop: 46525, Start Num: 9

Candidate Starts for TaidaOne_72:

(Start: 9 @46292 has 25 MA's), (12, 46319), (14, 46340),

Gene: TieDye_67 Start: 44717, Stop: 44950, Start Num: 9

Candidate Starts for TieDye_67:

(4, 44528), (6, 44564), (Start: 9 @44717 has 25 MA's), (12, 44744), (14, 44765),

Gene: TonyStarch_70 Start: 45138, Stop: 45392, Start Num: 9

Candidate Starts for TonyStarch_70:

(4, 44949), (6, 44985), (Start: 9 @45138 has 25 MA's), (12, 45165), (14, 45186),