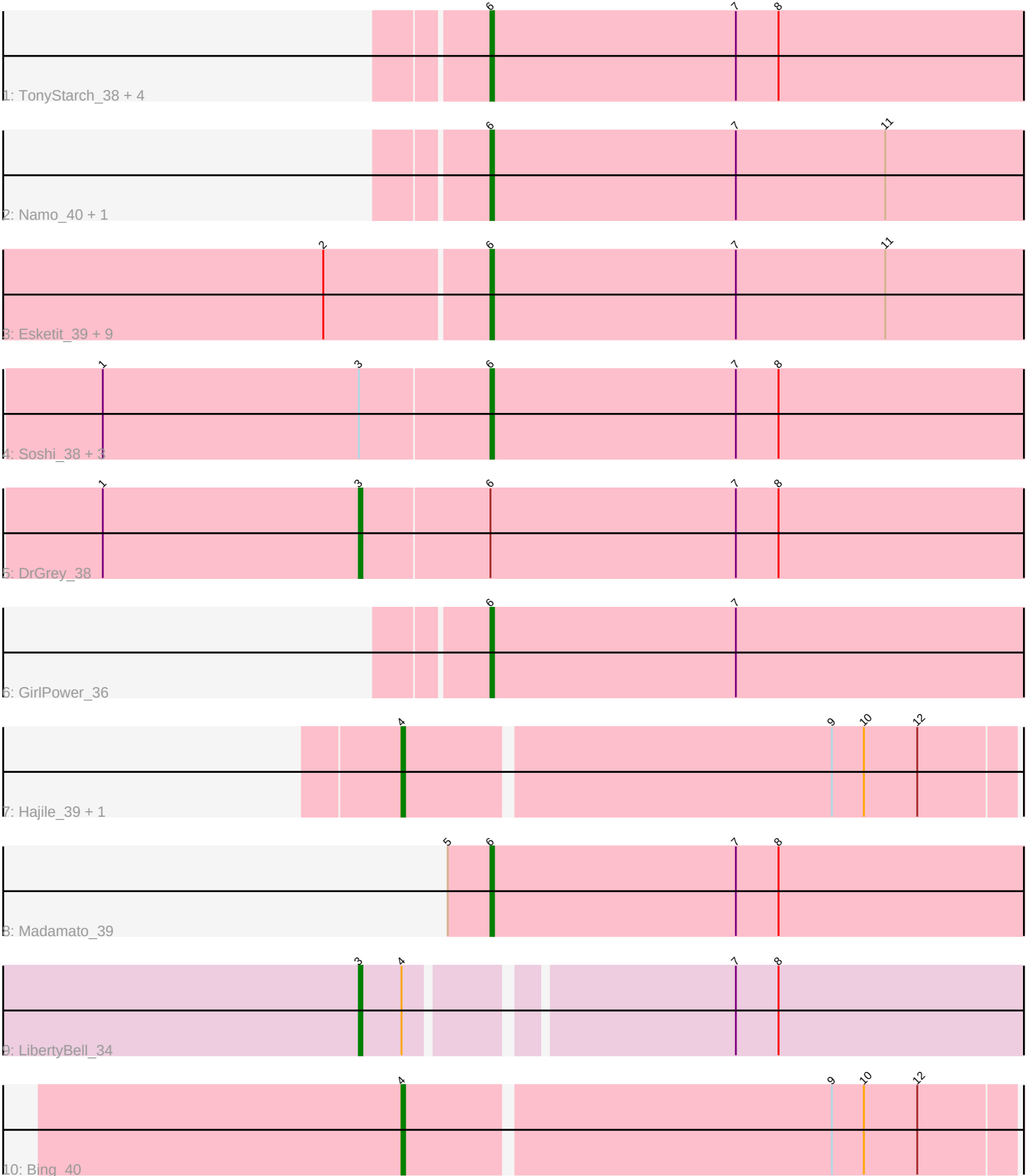


Pham 331128



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 331128 Report

This analysis was run 09/05/26 on database version 662.

Pham number 331128 has 28 members, 1 are drafts.

Phages represented in each track:

- Track 1 : TonyStarch_38, HazuAndZazu_38, CherryBlossom_39, TieDye_38, TaidaOne_39
- Track 2 : Namu_40, Rima_40
- Track 3 : Esketit_39, FidgetOrca_39, Indigenous_39, Spectropatronm_39, Maya_39, Meibysrarus_38, Jaylociraptor_39, IceWarrior_38, OlympicHelado_39, Hoshi_39
- Track 4 : Soshi_38, Espio_39, FrodoSwaggins_39, Popy_39
- Track 5 : DrGrey_38
- Track 6 : GirlPower_36
- Track 7 : Hajile_39, Wigberry_38
- Track 8 : Madamato_39
- Track 9 : LibertyBell_34
- Track 10 : Bing_40

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

The start number called the most often in the published annotations is 6, it was called in 23 of the 27 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- CherryBlossom_39, Esketit_39, Espio_39, FidgetOrca_39, FrodoSwaggins_39, GirlPower_36, HazuAndZazu_38, Hoshi_39, IceWarrior_38, Indigenous_39, Jaylociraptor_39, Madamato_39, Maya_39, Meibysrarus_38, Namu_40, OlympicHelado_39, Popy_39, Rima_40, Soshi_38, Spectropatronm_39, TaidaOne_39, TieDye_38, TonyStarch_38,

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

- DrGrey_38,

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

- Bing_40, Hajile_39, LibertyBell_34, Wigberry_38,

Summary by start number:

Start 3:

- Found in 6 of 28 (21.4%) of genes in pham
- Manual Annotations of this start: 2 of 27
- Called 33.3% of time when present
- Phage (with cluster) where this start called: DrGrey_38 (BI1), LibertyBell_34 (BI3),

Start 4:

- Found in 4 of 28 (14.3%) of genes in pham
- Manual Annotations of this start: 2 of 27
- Called 75.0% of time when present
- Phage (with cluster) where this start called: Bing_40 (BI5), Hajile_39 (BI1), Wigberry_38 (BI5),

Start 6:

- Found in 24 of 28 (85.7%) of genes in pham
- Manual Annotations of this start: 23 of 27
- Called 95.8% of time when present
- Phage (with cluster) where this start called: CherryBlossom_39 (BI1), Esketit_39 (BI1), Espio_39 (BI1), FidgetOrca_39 (BI1), FrodoSwaggins_39 (BI1), GirlPower_36 (BI1), HazuAndZazu_38 (BI1), Hoshi_39 (BI1), IceWarrior_38 (BI1), Indigenous_39 (BI1), Jaylociraptor_39 (BI1), Madamato_39 (BI1), Maya_39 (BI1), Meibysrurus_38 (BI1), Namo_40 (BI1), OlympicHelado_39 (BI1), Popy_39 (BI1), Rima_40 (BI1), Soshi_38 (BI1), Spectropatronm_39 (BI1), TaidaOne_39 (BI1), TieDye_38 (BI1), TonyStarch_38 (BI1),

Summary by clusters:

There are 3 clusters represented in this pham: BI5, BI3, BI1,

Info for manual annotations of cluster BI1:

- Start number 3 was manually annotated 1 time for cluster BI1.
- Start number 6 was manually annotated 23 times for cluster BI1.

Info for manual annotations of cluster BI3:

- Start number 3 was manually annotated 1 time for cluster BI3.

Info for manual annotations of cluster BI5:

- Start number 4 was manually annotated 2 times for cluster BI5.

Gene Information:

Gene: Bing_40 Start: 28555, Stop: 28788, Start Num: 4

Candidate Starts for Bing_40:

(Start: 4 @28555 has 2 MA's), (9, 28672), (10, 28681), (12, 28696),

Gene: CherryBlossom_39 Start: 28738, Stop: 28929, Start Num: 6

Candidate Starts for CherryBlossom_39:

(Start: 6 @28738 has 23 MA's), (7, 28807), (8, 28819),

Gene: DrGrey_38 Start: 29044, Stop: 29271, Start Num: 3

Candidate Starts for DrGrey_38:

(1, 28972), (Start: 3 @29044 has 2 MA's), (Start: 6 @29080 has 23 MA's), (7, 29149), (8, 29161),

Gene: Esketit_39 Start: 28815, Stop: 29006, Start Num: 6

Candidate Starts for Esketit_39:

(2, 28770), (Start: 6 @28815 has 23 MA's), (7, 28884), (11, 28926),

Gene: Espio_39 Start: 29475, Stop: 29666, Start Num: 6

Candidate Starts for Espio_39:

(1, 29367), (Start: 3 @29439 has 2 MA's), (Start: 6 @29475 has 23 MA's), (7, 29544), (8, 29556),

Gene: FidgetOrca_39 Start: 28820, Stop: 29011, Start Num: 6

Candidate Starts for FidgetOrca_39:

(2, 28775), (Start: 6 @28820 has 23 MA's), (7, 28889), (11, 28931),

Gene: FrodoSwaggins_39 Start: 29474, Stop: 29665, Start Num: 6

Candidate Starts for FrodoSwaggins_39:

(1, 29366), (Start: 3 @29438 has 2 MA's), (Start: 6 @29474 has 23 MA's), (7, 29543), (8, 29555),

Gene: GirlPower_36 Start: 29799, Stop: 29990, Start Num: 6

Candidate Starts for GirlPower_36:

(Start: 6 @29799 has 23 MA's), (7, 29868),

Gene: Hajile_39 Start: 27825, Stop: 28055, Start Num: 4

Candidate Starts for Hajile_39:

(Start: 4 @27825 has 2 MA's), (9, 27942), (10, 27951), (12, 27966),

Gene: HazuAndZazu_38 Start: 29074, Stop: 29265, Start Num: 6

Candidate Starts for HazuAndZazu_38:

(Start: 6 @29074 has 23 MA's), (7, 29143), (8, 29155),

Gene: Hoshi_39 Start: 28815, Stop: 29006, Start Num: 6

Candidate Starts for Hoshi_39:

(2, 28770), (Start: 6 @28815 has 23 MA's), (7, 28884), (11, 28926),

Gene: IceWarrior_38 Start: 28515, Stop: 28706, Start Num: 6

Candidate Starts for IceWarrior_38:

(2, 28470), (Start: 6 @28515 has 23 MA's), (7, 28584), (11, 28626),

Gene: Indigenous_39 Start: 28815, Stop: 29006, Start Num: 6

Candidate Starts for Indigenous_39:

(2, 28770), (Start: 6 @28815 has 23 MA's), (7, 28884), (11, 28926),

Gene: Jaylociraptor_39 Start: 28815, Stop: 29006, Start Num: 6

Candidate Starts for Jaylociraptor_39:

(2, 28770), (Start: 6 @28815 has 23 MA's), (7, 28884), (11, 28926),

Gene: LibertyBell_34 Start: 26452, Stop: 26679, Start Num: 3

Candidate Starts for LibertyBell_34:

(Start: 3 @26452 has 2 MA's), (Start: 4 @26464 has 2 MA's), (7, 26548), (8, 26560),

Gene: Madamato_39 Start: 28667, Stop: 28861, Start Num: 6

Candidate Starts for Madamato_39:

(5, 28655), (Start: 6 @28667 has 23 MA's), (7, 28736), (8, 28748),

Gene: Maya_39 Start: 28829, Stop: 29020, Start Num: 6
Candidate Starts for Maya_39:
(2, 28784), (Start: 6 @28829 has 23 MA's), (7, 28898), (11, 28940),

Gene: Meibysrarus_38 Start: 28514, Stop: 28705, Start Num: 6
Candidate Starts for Meibysrarus_38:
(2, 28469), (Start: 6 @28514 has 23 MA's), (7, 28583), (11, 28625),

Gene: Namo_40 Start: 29162, Stop: 29353, Start Num: 6
Candidate Starts for Namo_40:
(Start: 6 @29162 has 23 MA's), (7, 29231), (11, 29273),

Gene: OlympicHelado_39 Start: 28818, Stop: 29009, Start Num: 6
Candidate Starts for OlympicHelado_39:
(2, 28773), (Start: 6 @28818 has 23 MA's), (7, 28887), (11, 28929),

Gene: Popy_39 Start: 29474, Stop: 29665, Start Num: 6
Candidate Starts for Popy_39:
(1, 29366), (Start: 3 @29438 has 2 MA's), (Start: 6 @29474 has 23 MA's), (7, 29543), (8, 29555),

Gene: Rima_40 Start: 29162, Stop: 29353, Start Num: 6
Candidate Starts for Rima_40:
(Start: 6 @29162 has 23 MA's), (7, 29231), (11, 29273),

Gene: Soshi_38 Start: 29086, Stop: 29277, Start Num: 6
Candidate Starts for Soshi_38:
(1, 28978), (Start: 3 @29050 has 2 MA's), (Start: 6 @29086 has 23 MA's), (7, 29155), (8, 29167),

Gene: Spectropatronm_39 Start: 28815, Stop: 29006, Start Num: 6
Candidate Starts for Spectropatronm_39:
(2, 28770), (Start: 6 @28815 has 23 MA's), (7, 28884), (11, 28926),

Gene: TaidaOne_39 Start: 29369, Stop: 29560, Start Num: 6
Candidate Starts for TaidaOne_39:
(Start: 6 @29369 has 23 MA's), (7, 29438), (8, 29450),

Gene: TieDye_38 Start: 28413, Stop: 28604, Start Num: 6
Candidate Starts for TieDye_38:
(Start: 6 @28413 has 23 MA's), (7, 28482), (8, 28494),

Gene: TonyStarch_38 Start: 28518, Stop: 28709, Start Num: 6
Candidate Starts for TonyStarch_38:
(Start: 6 @28518 has 23 MA's), (7, 28587), (8, 28599),

Gene: Wigberry_38 Start: 27828, Stop: 28058, Start Num: 4
Candidate Starts for Wigberry_38:
(Start: 4 @27828 has 2 MA's), (9, 27945), (10, 27954), (12, 27969),