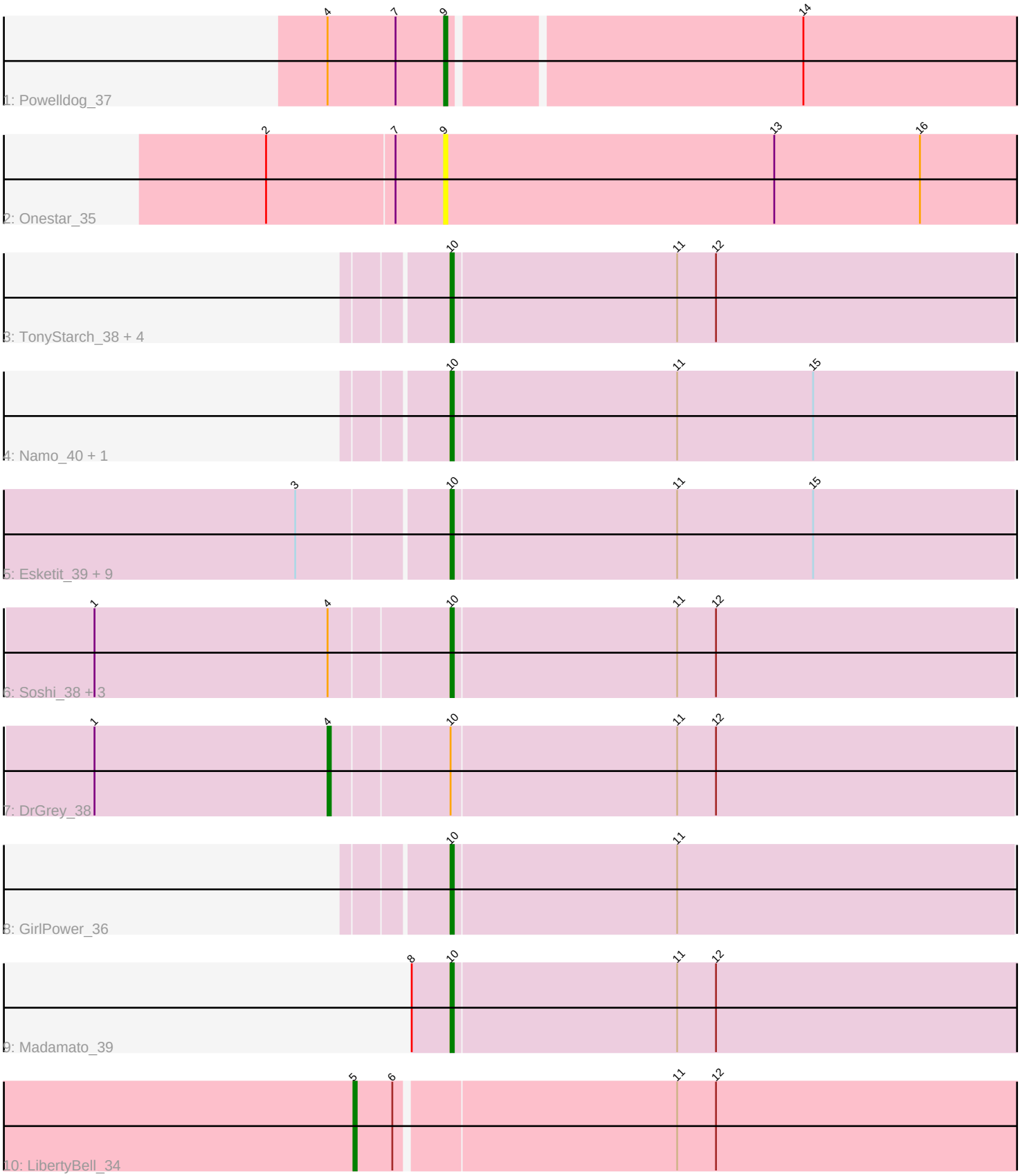
Pham 347947


4
7
9
14
1: Powelldog_37
2
7
9
13
16
2: Onestar_35
10
11
12
3: TonyStarch_38 + 4
10
11
15
4: Namo_40 + 1
3
10
11
15
5: Esketit_39 + 9
1
4
10
11
12
6: Soshi_38 + 3
1
4
10
11
12
7: DrGrey_38
10
11
8: GirlPower_36
8
10
11
12
9: Madamato_39
5
6
11
12
10: LibertyBell_34

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 347947 Report

This analysis was run 11/14/26 on database version 672.

Pham number 347947 has 27 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Powelldog_37
• Track 2 : Onestar_35
• Track 3 : TonyStarch_38, TieDye_38, HazuAndZazu_38, CherryBlossom_39, TaidaOne_39
• Track 4 : Namo_40, Rima_40
• Track 5 : Esketit_39, Indigenous_39, Spectropatronm_39, Maya_39, Meibysrarus_38, Jaylociraptor_39, IceWarrior_38, OlympicHelado_39, Hoshi_39, FidgetOrca_39
• Track 6 : Soshi_38, Espio_39, FrodoSwaggins_39, Popy_39
• Track 7 : DrGrey_38
• Track 8 : GirlPower_36
• Track 9 : Madamato_39
• Track 10 : LibertyBell_34

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

The start number called the most often in the published annotations is 10, it was called in 23 of the 26 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, Namo_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:
• LibertyBell_34, Onestar_35, Powelldog_37,

Summary by start number:

Start 4:
• Found in 6 of 27 (22.2%) of genes in pham
• Manual Annotations of this start: 1 of 26
• Called 16.7% of time when present
• Phage (with cluster) where this start called: DrGrey_38 (BI1),

Start 5:
• Found in 1 of 27 (3.7%) of genes in pham
• Manual Annotations of this start: 1 of 26
• Called 100.0% of time when present
• Phage (with cluster) where this start called: LibertyBell_34 (BI3),

Start 9:
• Found in 2 of 27 (7.4%) of genes in pham
• Manual Annotations of this start: 1 of 26
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Onestar_35 (AW), Powelldog_37 (AW),

Start 10:
• Found in 24 of 27 (88.9%) of genes in pham
• Manual Annotations of this start: 23 of 26
• 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), Meibysrarus_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: BI3, AW, BI1,

Info for manual annotations of cluster AW:
•Start number 9 was manually annotated 1 time for cluster AW.

Info for manual annotations of cluster BI1:
•Start number 4 was manually annotated 1 time for cluster BI1.
•Start number 10 was manually annotated 23 times for cluster BI1.

Info for manual annotations of cluster BI3:
•Start number 5 was manually annotated 1 time for cluster BI3.

Gene Information:

Gene: CherryBlossom_39 Start: 28738, Stop: 28929, Start Num: 10
Candidate Starts for CherryBlossom_39:
(Start: 10 @28738 has 23 MA's), (11, 28807), (12, 28819),

Gene: DrGrey_38 Start: 29044, Stop: 29271, Start Num: 4

Candidate Starts for DrGrey_38:
(1, 28972), (Start: 4 @29044 has 1 MA's), (Start: 10 @29080 has 23 MA's), (11, 29149), (12, 29161),

Gene: Esketit_39 Start: 28815, Stop: 29006, Start Num: 10
Candidate Starts for Esketit_39:
(3, 28770), (Start: 10 @28815 has 23 MA's), (11, 28884), (15, 28926),

Gene: Espio_39 Start: 29475, Stop: 29666, Start Num: 10
Candidate Starts for Espio_39:
(1, 29367), (Start: 4 @29439 has 1 MA's), (Start: 10 @29475 has 23 MA's), (11, 29544), (12, 29556),

Gene: FidgetOrca_39 Start: 28820, Stop: 29011, Start Num: 10
Candidate Starts for FidgetOrca_39:
(3, 28775), (Start: 10 @28820 has 23 MA's), (11, 28889), (15, 28931),

Gene: FrodoSwaggins_39 Start: 29474, Stop: 29665, Start Num: 10
Candidate Starts for FrodoSwaggins_39:
(1, 29366), (Start: 4 @29438 has 1 MA's), (Start: 10 @29474 has 23 MA's), (11, 29543), (12, 29555),

Gene: GirlPower_36 Start: 29799, Stop: 29990, Start Num: 10
Candidate Starts for GirlPower_36:
(Start: 10 @29799 has 23 MA's), (11, 29868),

Gene: HazuAndZazu_38 Start: 29074, Stop: 29265, Start Num: 10
Candidate Starts for HazuAndZazu_38:
(Start: 10 @29074 has 23 MA's), (11, 29143), (12, 29155),

Gene: Hoshi_39 Start: 28815, Stop: 29006, Start Num: 10
Candidate Starts for Hoshi_39:
(3, 28770), (Start: 10 @28815 has 23 MA's), (11, 28884), (15, 28926),

Gene: IceWarrior_38 Start: 28515, Stop: 28706, Start Num: 10
Candidate Starts for IceWarrior_38:
(3, 28470), (Start: 10 @28515 has 23 MA's), (11, 28584), (15, 28626),

Gene: Indigenous_39 Start: 28815, Stop: 29006, Start Num: 10
Candidate Starts for Indigenous_39:
(3, 28770), (Start: 10 @28815 has 23 MA's), (11, 28884), (15, 28926),

Gene: Jaylociraptor_39 Start: 28815, Stop: 29006, Start Num: 10
Candidate Starts for Jaylociraptor_39:
(3, 28770), (Start: 10 @28815 has 23 MA's), (11, 28884), (15, 28926),

Gene: LibertyBell_34 Start: 26452, Stop: 26679, Start Num: 5
Candidate Starts for LibertyBell_34:
(Start: 5 @26452 has 1 MA's), (6, 26464), (11, 26548), (12, 26560),

Gene: Madamato_39 Start: 28667, Stop: 28861, Start Num: 10
Candidate Starts for Madamato_39:
(8, 28655), (Start: 10 @28667 has 23 MA's), (11, 28736), (12, 28748),

Gene: Maya_39 Start: 28829, Stop: 29020, Start Num: 10
Candidate Starts for Maya_39:

(3, 28784), (Start: 10 @28829 has 23 MA's), (11, 28898), (15, 28940),

Gene: Meibysrarus_38 Start: 28514, Stop: 28705, Start Num: 10
Candidate Starts for Meibysrarus_38:
(3, 28469), (Start: 10 @28514 has 23 MA's), (11, 28583), (15, 28625),

Gene: Namo_40 Start: 29162, Stop: 29353, Start Num: 10
Candidate Starts for Namo_40:
(Start: 10 @29162 has 23 MA's), (11, 29231), (15, 29273),

Gene: OlympicHelado_39 Start: 28818, Stop: 29009, Start Num: 10
Candidate Starts for OlympicHelado_39:
(3, 28773), (Start: 10 @28818 has 23 MA's), (11, 28887), (15, 28929),

Gene: Onestar_35 Start: 27216, Stop: 27443, Start Num: 9
Candidate Starts for Onestar_35:
(2, 27162), (7, 27201), (Start: 9 @27216 has 1 MA's), (13, 27318), (16, 27363),

Gene: Popy_39 Start: 29474, Stop: 29665, Start Num: 10
Candidate Starts for Popy_39:
(1, 29366), (Start: 4 @29438 has 1 MA's), (Start: 10 @29474 has 23 MA's), (11, 29543), (12, 29555),

Gene: Powelldog_37 Start: 27470, Stop: 27685, Start Num: 9
Candidate Starts for Powelldog_37:
(Start: 4 @27434 has 1 MA's), (7, 27455), (Start: 9 @27470 has 1 MA's), (14, 27575),

Gene: Rima_40 Start: 29162, Stop: 29353, Start Num: 10
Candidate Starts for Rima_40:
(Start: 10 @29162 has 23 MA's), (11, 29231), (15, 29273),

Gene: Soshi_38 Start: 29086, Stop: 29277, Start Num: 10
Candidate Starts for Soshi_38:
(1, 28978), (Start: 4 @29050 has 1 MA's), (Start: 10 @29086 has 23 MA's), (11, 29155), (12, 29167),

Gene: Spectropatronm_39 Start: 28815, Stop: 29006, Start Num: 10
Candidate Starts for Spectropatronm_39:
(3, 28770), (Start: 10 @28815 has 23 MA's), (11, 28884), (15, 28926),

Gene: TaidaOne_39 Start: 29369, Stop: 29560, Start Num: 10
Candidate Starts for TaidaOne_39:
(Start: 10 @29369 has 23 MA's), (11, 29438), (12, 29450),

Gene: TieDye_38 Start: 28413, Stop: 28604, Start Num: 10
Candidate Starts for TieDye_38:
(Start: 10 @28413 has 23 MA's), (11, 28482), (12, 28494),

Gene: TonyStarch_38 Start: 28518, Stop: 28709, Start Num: 10
Candidate Starts for TonyStarch_38:
(Start: 10 @28518 has 23 MA's), (11, 28587), (12, 28599),