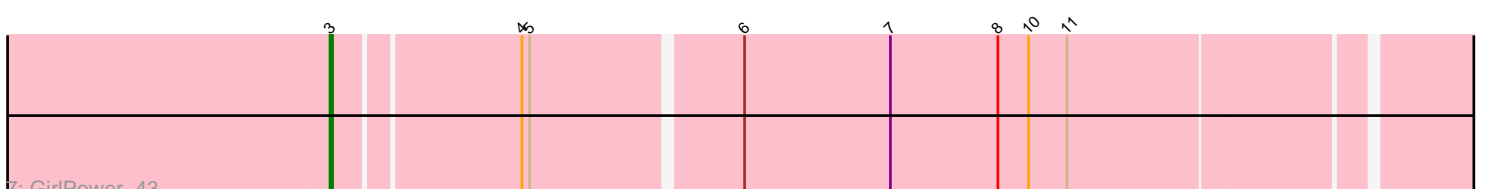
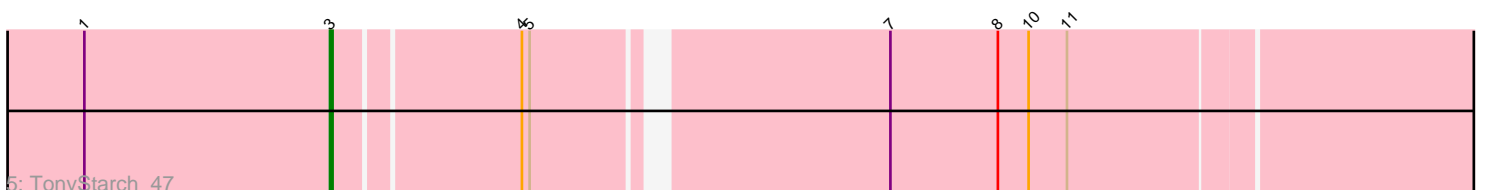
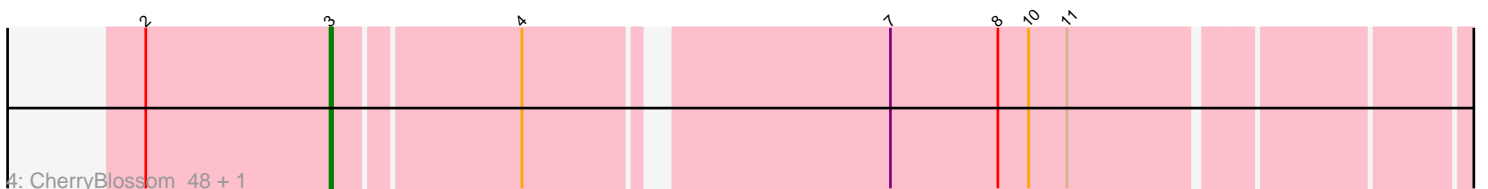
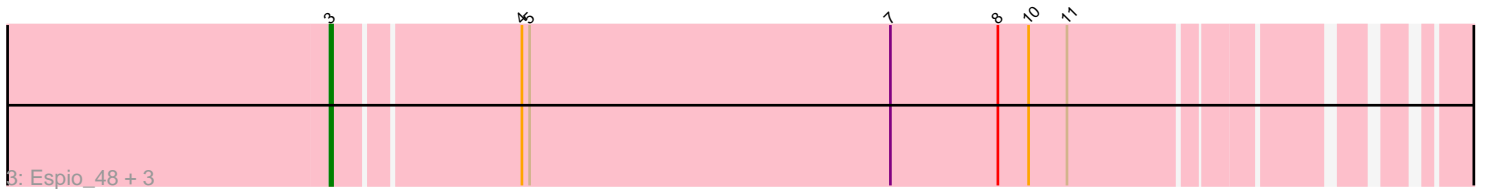
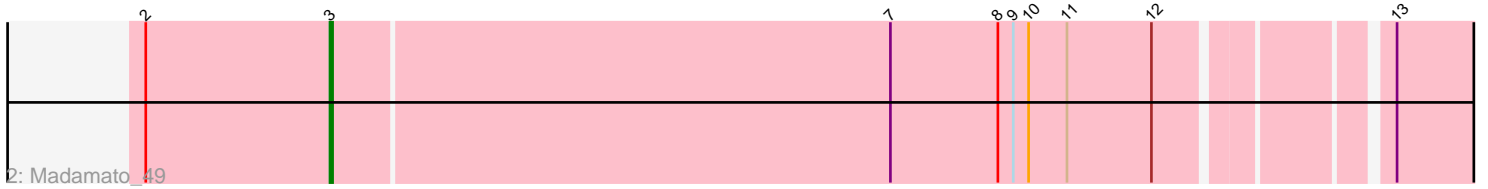
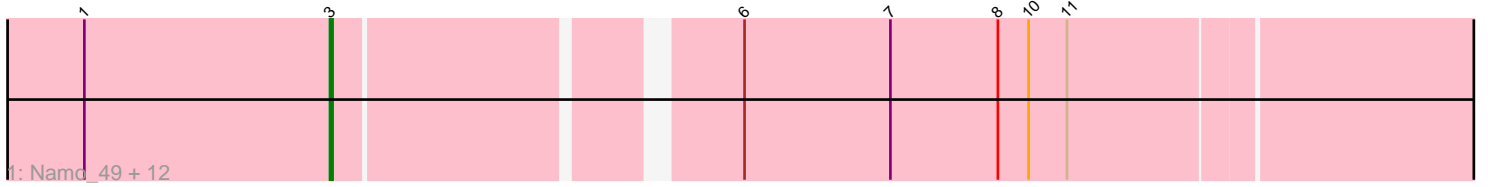


Pham 305281



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 305281 Report

This analysis was run 06/08/26 on database version 649.

Pham number 305281 has 24 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Namu\_49, Hoshi\_47, OlympicHelado\_48, TieDye\_47, Spectropatronm\_48, Indigenous\_48, IceWarrior\_47, Rima\_49, Meibysrarus\_46, Esketit\_48, FidgetOrca\_48, Jaylociraptor\_48, Maya\_48
- Track 2 : Madamato\_49
- Track 3 : Espio\_48, Popy\_48, FrodoSwaggins\_48, DrGrey\_47
- Track 4 : CherryBlossom\_48, TaidaOne\_48
- Track 5 : TonyStarch\_47
- Track 6 : HazuAndZazu\_47
- Track 7 : GirlPower\_43
- Track 8 : Soshi\_47

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

The start number called the most often in the published annotations is 3, it was called in 24 of the 24 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- CherryBlossom\_48, DrGrey\_47, Esketit\_48, Espio\_48, FidgetOrca\_48, FrodoSwaggins\_48, GirlPower\_43, HazuAndZazu\_47, Hoshi\_47, IceWarrior\_47, Indigenous\_48, Jaylociraptor\_48, Madamato\_49, Maya\_48, Meibysrarus\_46, Namu\_49, OlympicHelado\_48, Popy\_48, Rima\_49, Soshi\_47, Spectropatronm\_48, TaidaOne\_48, TieDye\_47, TonyStarch\_47,

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 3:

- Found in 24 of 24 ( 100.0% ) of genes in pham
- Manual Annotations of this start: 24 of 24

- Called 100.0% of time when present
- Phage (with cluster) where this start called: CherryBlossom\_48 (B11), DrGrey\_47 (B11), Esketit\_48 (B11), Espio\_48 (B11), FidgetOrca\_48 (B11), FrodoSwaggins\_48 (B11), GirlPower\_43 (B11), HazuAndZazu\_47 (B11), Hoshi\_47 (B11), IceWarrior\_47 (B11), Indigenous\_48 (B11), Jaylociraptor\_48 (B11), Madamoto\_49 (B11), Maya\_48 (B11), Meibysrarus\_46 (B11), Namu\_49 (B11), OlympicHelado\_48 (B11), Popy\_48 (B11), Rima\_49 (B11), Soshi\_47 (B11), Spectropatronm\_48 (B11), TaidaOne\_48 (B11), TieDye\_47 (B11), TonyStarch\_47 (B11),

### Summary by clusters:

There is one cluster represented in this pham: B11

Info for manual annotations of cluster B11:

- Start number 3 was manually annotated 24 times for cluster B11.

### Gene Information:

Gene: CherryBlossom\_48 Start: 32222, Stop: 32635, Start Num: 3

Candidate Starts for CherryBlossom\_48:

(2, 32150), (Start: 3 @32222 has 24 MA's), (4, 32291), (7, 32420), (8, 32462), (10, 32474), (11, 32489),

Gene: DrGrey\_47 Start: 32588, Stop: 33001, Start Num: 3

Candidate Starts for DrGrey\_47:

(Start: 3 @32588 has 24 MA's), (4, 32657), (5, 32660), (7, 32801), (8, 32843), (10, 32855), (11, 32870),

Gene: Esketit\_48 Start: 32324, Stop: 32746, Start Num: 3

Candidate Starts for Esketit\_48:

(1, 32228), (Start: 3 @32324 has 24 MA's), (6, 32465), (7, 32522), (8, 32564), (10, 32576), (11, 32591),

Gene: Espio\_48 Start: 32983, Stop: 33396, Start Num: 3

Candidate Starts for Espio\_48:

(Start: 3 @32983 has 24 MA's), (4, 33052), (5, 33055), (7, 33196), (8, 33238), (10, 33250), (11, 33265),

Gene: FidgetOrca\_48 Start: 32317, Stop: 32739, Start Num: 3

Candidate Starts for FidgetOrca\_48:

(1, 32221), (Start: 3 @32317 has 24 MA's), (6, 32458), (7, 32515), (8, 32557), (10, 32569), (11, 32584),

Gene: FrodoSwaggins\_48 Start: 32982, Stop: 33395, Start Num: 3

Candidate Starts for FrodoSwaggins\_48:

(Start: 3 @32982 has 24 MA's), (4, 33051), (5, 33054), (7, 33195), (8, 33237), (10, 33249), (11, 33264),

Gene: GirlPower\_43 Start: 32770, Stop: 33195, Start Num: 3

Candidate Starts for GirlPower\_43:

(Start: 3 @32770 has 24 MA's), (4, 32839), (5, 32842), (6, 32920), (7, 32977), (8, 33019), (10, 33031), (11, 33046),

Gene: HazuAndZazu\_47 Start: 32584, Stop: 32997, Start Num: 3

Candidate Starts for HazuAndZazu\_47:

(Start: 3 @32584 has 24 MA's), (4, 32653), (5, 32656), (7, 32797), (8, 32839), (10, 32851), (11, 32866), (13, 32968),

Gene: Hoshi\_47 Start: 31921, Stop: 32343, Start Num: 3

Candidate Starts for Hoshi\_47:

(1, 31825), (Start: 3 @31921 has 24 MA's), (6, 32062), (7, 32119), (8, 32161), (10, 32173), (11, 32188),

Gene: IceWarrior\_47 Start: 32012, Stop: 32425, Start Num: 3

Candidate Starts for IceWarrior\_47:

(1, 31916), (Start: 3 @32012 has 24 MA's), (6, 32153), (7, 32210), (8, 32252), (10, 32264), (11, 32279),

Gene: Indigenous\_48 Start: 32318, Stop: 32740, Start Num: 3

Candidate Starts for Indigenous\_48:

(1, 32222), (Start: 3 @32318 has 24 MA's), (6, 32459), (7, 32516), (8, 32558), (10, 32570), (11, 32585),

Gene: Jaylociraptor\_48 Start: 32317, Stop: 32739, Start Num: 3

Candidate Starts for Jaylociraptor\_48:

(1, 32221), (Start: 3 @32317 has 24 MA's), (6, 32458), (7, 32515), (8, 32557), (10, 32569), (11, 32584),

Gene: Madamoto\_49 Start: 32375, Stop: 32803, Start Num: 3

Candidate Starts for Madamoto\_49:

(2, 32303), (Start: 3 @32375 has 24 MA's), (7, 32591), (8, 32633), (9, 32639), (10, 32645), (11, 32660), (12, 32693), (13, 32771),

Gene: Maya\_48 Start: 32331, Stop: 32753, Start Num: 3

Candidate Starts for Maya\_48:

(1, 32235), (Start: 3 @32331 has 24 MA's), (6, 32472), (7, 32529), (8, 32571), (10, 32583), (11, 32598),

Gene: Meibysrarus\_46 Start: 31694, Stop: 32116, Start Num: 3

Candidate Starts for Meibysrarus\_46:

(1, 31598), (Start: 3 @31694 has 24 MA's), (6, 31835), (7, 31892), (8, 31934), (10, 31946), (11, 31961),

Gene: Namo\_49 Start: 32662, Stop: 33084, Start Num: 3

Candidate Starts for Namo\_49:

(1, 32566), (Start: 3 @32662 has 24 MA's), (6, 32803), (7, 32860), (8, 32902), (10, 32914), (11, 32929),

Gene: OlympicHelado\_48 Start: 32345, Stop: 32767, Start Num: 3

Candidate Starts for OlympicHelado\_48:

(1, 32249), (Start: 3 @32345 has 24 MA's), (6, 32486), (7, 32543), (8, 32585), (10, 32597), (11, 32612),

Gene: Popy\_48 Start: 32982, Stop: 33395, Start Num: 3

Candidate Starts for Popy\_48:

(Start: 3 @32982 has 24 MA's), (4, 33051), (5, 33054), (7, 33195), (8, 33237), (10, 33249), (11, 33264),

Gene: Rima\_49 Start: 32662, Stop: 33084, Start Num: 3

Candidate Starts for Rima\_49:

(1, 32566), (Start: 3 @32662 has 24 MA's), (6, 32803), (7, 32860), (8, 32902), (10, 32914), (11, 32929),

Gene: Soshi\_47 Start: 32588, Stop: 33016, Start Num: 3

Candidate Starts for Soshi\_47:

(Start: 3 @32588 has 24 MA's), (4, 32657), (7, 32801), (8, 32843), (10, 32855), (11, 32870),

Gene: Spectropatronm\_48 Start: 32324, Stop: 32746, Start Num: 3

Candidate Starts for Spectropatronm\_48:

(1, 32228), (Start: 3 @32324 has 24 MA's), (6, 32465), (7, 32522), (8, 32564), (10, 32576), (11, 32591),

Gene: TaidaOne\_48 Start: 32838, Stop: 33251, Start Num: 3

Candidate Starts for TaidaOne\_48:

(2, 32766), (Start: 3 @32838 has 24 MA's), (4, 32907), (7, 33036), (8, 33078), (10, 33090), (11, 33105),

Gene: TieDye\_47 Start: 31917, Stop: 32339, Start Num: 3

Candidate Starts for TieDye\_47:

(1, 31821), (Start: 3 @31917 has 24 MA's), (6, 32058), (7, 32115), (8, 32157), (10, 32169), (11, 32184),

Gene: TonyStarch\_47 Start: 32038, Stop: 32460, Start Num: 3

Candidate Starts for TonyStarch\_47:

(1, 31942), (Start: 3 @32038 has 24 MA's), (4, 32107), (5, 32110), (7, 32236), (8, 32278), (10, 32290),  
(11, 32305),