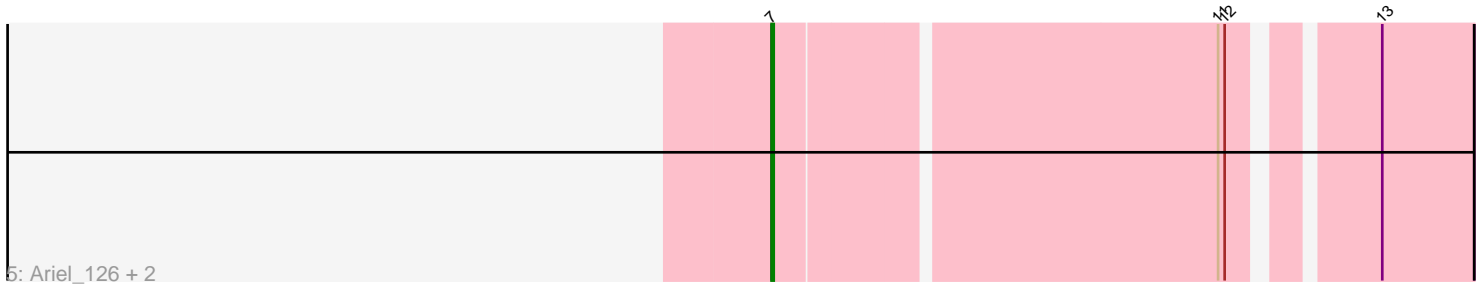
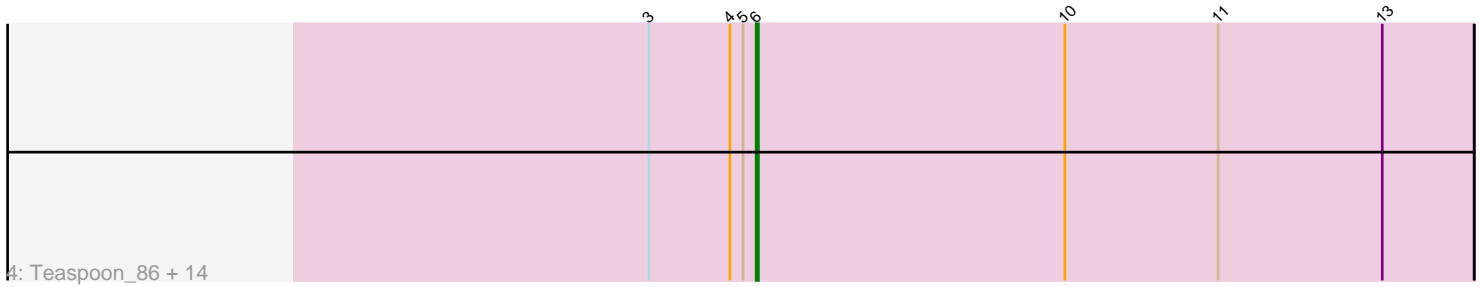
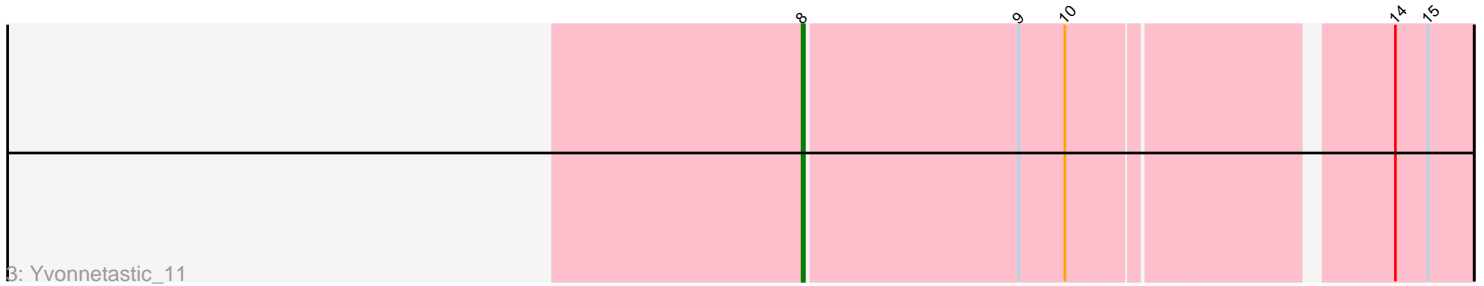
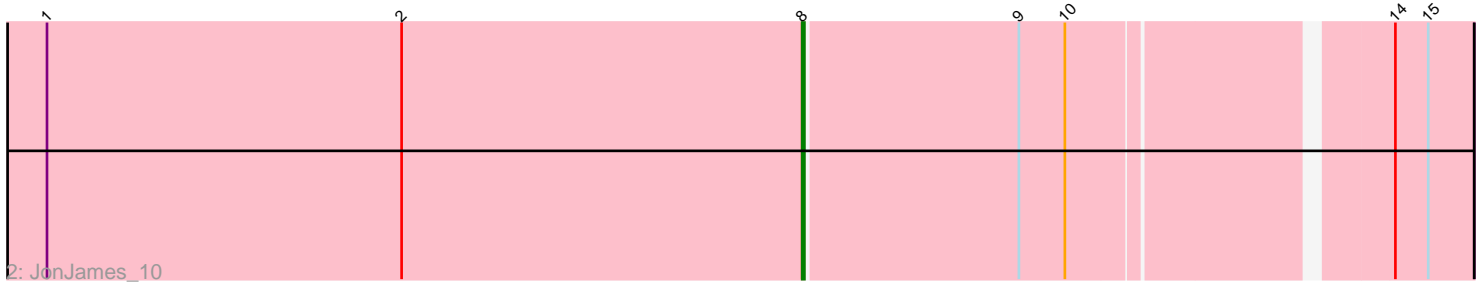
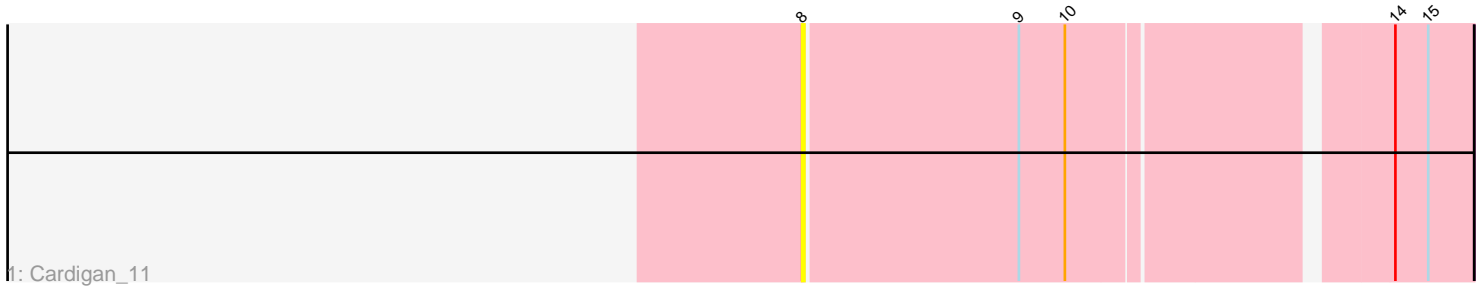


Pham 3995



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 3995 Report

This analysis was run 07/09/24 on database version 566.

Pham number 3995 has 21 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Cardigan_11
- Track 2 : JonJames_10
- Track 3 : Yvonnestic_11
- Track 4 : Teaspoon_86, Mindy_84, Inca_82, ShamWow_85, BilboSwaggins_84, CrystalP_84, Easy2Say_86, BaboJay_83, Manda_87, Phrux_82, StellaBean_83, YassJohnny_82, Toto_83, Henry_83, 244_86
- Track 5 : Ariel_126, Courthouse_121, Superphikiman_123

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 14 of the 19 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- 244_86, BaboJay_83, BilboSwaggins_84, CrystalP_84, Easy2Say_86, Henry_83, Inca_82, Manda_87, Mindy_84, Phrux_82, ShamWow_85, StellaBean_83, Teaspoon_86, Toto_83, YassJohnny_82,

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

-

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

- Ariel_126, Cardigan_11, Courthouse_121, JonJames_10, Superphikiman_123, Yvonnestic_11,

Summary by start number:

Start 6:

- Found in 15 of 21 (71.4%) of genes in pham
- Manual Annotations of this start: 14 of 19
- Called 100.0% of time when present
- Phage (with cluster) where this start called: 244_86 (E), BaboJay_83 (E), BilboSwaggins_84 (E), CrystalP_84 (E), Easy2Say_86 (E), Henry_83 (E), Inca_82 (E), Manda_87 (E), Mindy_84 (E), Phrux_82 (E), ShamWow_85 (E), StellaBean_83

(E), Teaspoon_86 (E), Toto_83 (E), YassJohnny_82 (E),

Start 7:

- Found in 3 of 21 (14.3%) of genes in pham
- Manual Annotations of this start: 3 of 19
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Ariel_126 (J), Courthouse_121 (J), Superphikiman_123 (J),

Start 8:

- Found in 3 of 21 (14.3%) of genes in pham
- Manual Annotations of this start: 2 of 19
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Cardigan_11 (DD), JonJames_10 (DD), Yvonnestic_11 (DD),

Summary by clusters:

There are 3 clusters represented in this pham: DD, J, E,

Info for manual annotations of cluster DD:

- Start number 8 was manually annotated 2 times for cluster DD.

Info for manual annotations of cluster E:

- Start number 6 was manually annotated 14 times for cluster E.

Info for manual annotations of cluster J:

- Start number 7 was manually annotated 3 times for cluster J.

Gene Information:

Gene: 244_86 Start: 52017, Stop: 52343, Start Num: 6

Candidate Starts for 244_86:

(3, 51969), (4, 52005), (5, 52011), (Start: 6 @52017 has 14 MA's), (10, 52158), (11, 52227), (13, 52302),

Gene: Ariel_126 Start: 67198, Stop: 67488, Start Num: 7

Candidate Starts for Ariel_126:

(Start: 7 @67198 has 3 MA's), (11, 67390), (12, 67393), (13, 67447),

Gene: BaboJay_83 Start: 52018, Stop: 52344, Start Num: 6

Candidate Starts for BaboJay_83:

(3, 51970), (4, 52006), (5, 52012), (Start: 6 @52018 has 14 MA's), (10, 52159), (11, 52228), (13, 52303),

Gene: BilboSwaggins_84 Start: 52375, Stop: 52701, Start Num: 6

Candidate Starts for BilboSwaggins_84:

(3, 52327), (4, 52363), (5, 52369), (Start: 6 @52375 has 14 MA's), (10, 52516), (11, 52585), (13, 52660),

Gene: Cardigan_11 Start: 3210, Stop: 2926, Start Num: 8

Candidate Starts for Cardigan_11:

(Start: 8 @3210 has 2 MA's), (9, 3114), (10, 3093), (14, 2961), (15, 2946),

Gene: Courthouse_121 Start: 66798, Stop: 67088, Start Num: 7

Candidate Starts for Courthouse_121:

(Start: 7 @66798 has 3 MA's), (11, 66990), (12, 66993), (13, 67047),

Gene: CrystalP_84 Start: 52375, Stop: 52701, Start Num: 6

Candidate Starts for CrystalP_84:

(3, 52327), (4, 52363), (5, 52369), (Start: 6 @52375 has 14 MA's), (10, 52516), (11, 52585), (13, 52660),

Gene: Easy2Say_86 Start: 52840, Stop: 53166, Start Num: 6

Candidate Starts for Easy2Say_86:

(3, 52792), (4, 52828), (5, 52834), (Start: 6 @52840 has 14 MA's), (10, 52981), (11, 53050), (13, 53125),

Gene: Henry_83 Start: 51815, Stop: 52141, Start Num: 6

Candidate Starts for Henry_83:

(3, 51767), (4, 51803), (5, 51809), (Start: 6 @51815 has 14 MA's), (10, 51956), (11, 52025), (13, 52100),

Gene: Inca_82 Start: 50467, Stop: 50793, Start Num: 6

Candidate Starts for Inca_82:

(3, 50419), (4, 50455), (5, 50461), (Start: 6 @50467 has 14 MA's), (10, 50608), (11, 50677), (13, 50752),

Gene: JonJames_10 Start: 3364, Stop: 3080, Start Num: 8

Candidate Starts for JonJames_10:

(1, 3709), (2, 3547), (Start: 8 @3364 has 2 MA's), (9, 3268), (10, 3247), (14, 3115), (15, 3100),

Gene: Manda_87 Start: 53427, Stop: 53753, Start Num: 6

Candidate Starts for Manda_87:

(3, 53379), (4, 53415), (5, 53421), (Start: 6 @53427 has 14 MA's), (10, 53568), (11, 53637), (13, 53712),

Gene: Mindy_84 Start: 50981, Stop: 51307, Start Num: 6

Candidate Starts for Mindy_84:

(3, 50933), (4, 50969), (5, 50975), (Start: 6 @50981 has 14 MA's), (10, 51122), (11, 51191), (13, 51266),

Gene: Phrux_82 Start: 51475, Stop: 51801, Start Num: 6

Candidate Starts for Phrux_82:

(3, 51427), (4, 51463), (5, 51469), (Start: 6 @51475 has 14 MA's), (10, 51616), (11, 51685), (13, 51760),

Gene: ShamWow_85 Start: 52375, Stop: 52701, Start Num: 6

Candidate Starts for ShamWow_85:

(3, 52327), (4, 52363), (5, 52369), (Start: 6 @52375 has 14 MA's), (10, 52516), (11, 52585), (13, 52660),

Gene: StellaBean_83 Start: 51699, Stop: 52025, Start Num: 6

Candidate Starts for StellaBean_83:

(3, 51651), (4, 51687), (5, 51693), (Start: 6 @51699 has 14 MA's), (10, 51840), (11, 51909), (13, 51984),

Gene: Superphikiman_123 Start: 67080, Stop: 67370, Start Num: 7

Candidate Starts for Superphikiman_123:

(Start: 7 @67080 has 3 MA's), (11, 67272), (12, 67275), (13, 67329),

Gene: Teaspoon_86 Start: 52018, Stop: 52344, Start Num: 6

Candidate Starts for Teaspoon_86:

(3, 51970), (4, 52006), (5, 52012), (Start: 6 @52018 has 14 MA's), (10, 52159), (11, 52228), (13, 52303),

Gene: Toto_83 Start: 52375, Stop: 52701, Start Num: 6

Candidate Starts for Toto_83:

(3, 52327), (4, 52363), (5, 52369), (Start: 6 @52375 has 14 MA's), (10, 52516), (11, 52585), (13, 52660),

Gene: YassJohnny_82 Start: 51326, Stop: 51652, Start Num: 6

Candidate Starts for YassJohnny_82:

(3, 51278), (4, 51314), (5, 51320), (Start: 6 @51326 has 14 MA's), (10, 51467), (11, 51536), (13, 51611),

Gene: Yvonnetastic_11 Start: 2997, Stop: 2713, Start Num: 8

Candidate Starts for Yvonnetastic_11:

(Start: 8 @2997 has 2 MA's), (9, 2901), (10, 2880), (14, 2748), (15, 2733),