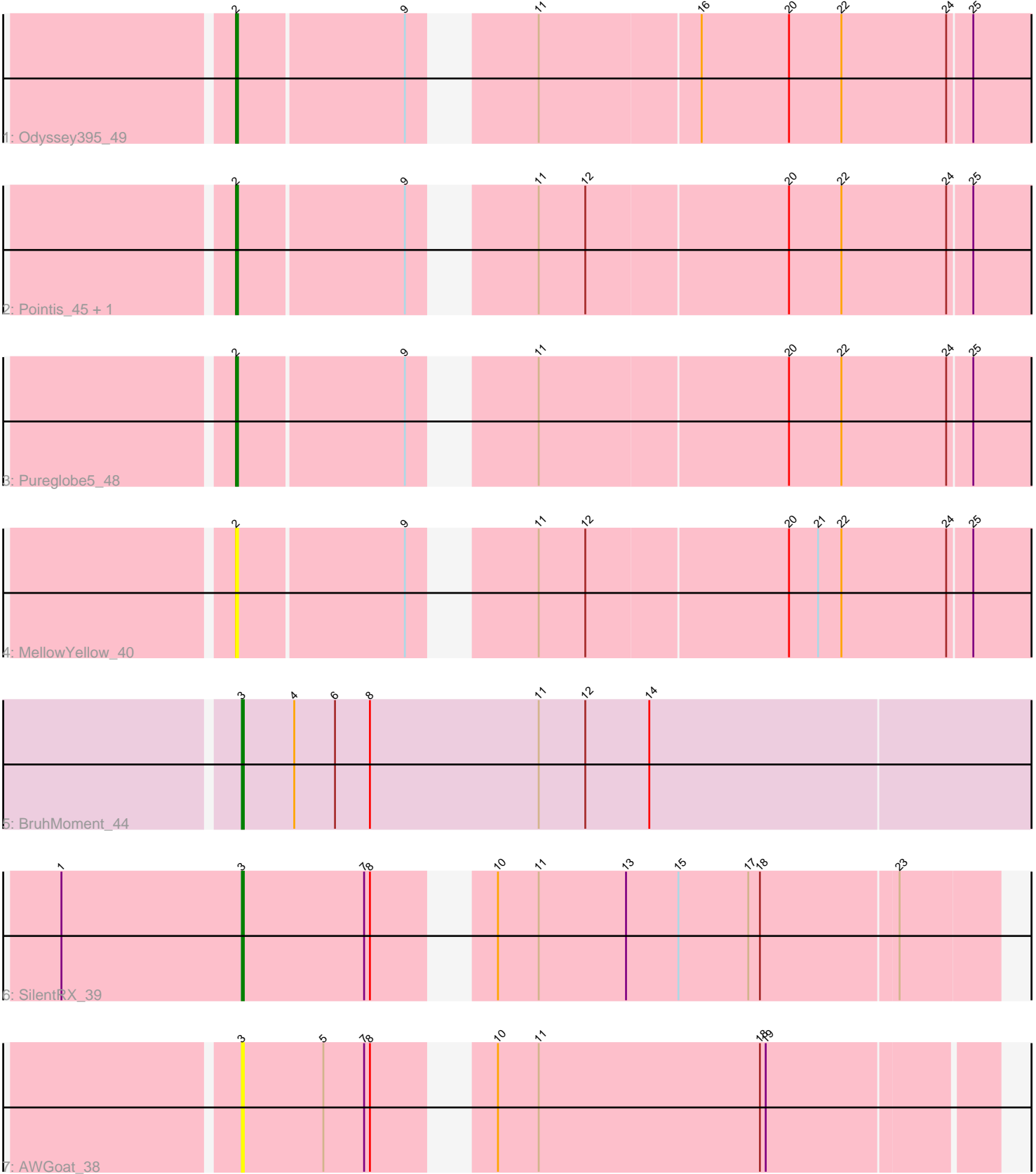


Pham 88619



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 88619 Report

This analysis was run 04/28/24 on database version 559.

Pham number 88619 has 8 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Odyssey395_49
- Track 2 : Pointis_45, Beagle_48
- Track 3 : Pureglobe5_48
- Track 4 : MellowYellow_40
- Track 5 : BruhMoment_44
- Track 6 : SilentRX_39
- Track 7 : AWGoat_38

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

The start number called the most often in the published annotations is 2, it was called in 3 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Beagle_48, MellowYellow_40, Odyssey395_49, Pointis_45, Pureglobe5_48,

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

-

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

- AWGoat_38, BruhMoment_44, SilentRX_39,

Summary by start number:

Start 2:

- Found in 5 of 8 (62.5%) of genes in pham
- Manual Annotations of this start: 3 of 5
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Beagle_48 (AP2), MellowYellow_40 (AP2), Odyssey395_49 (AP2), Pointis_45 (AP2), Pureglobe5_48 (AP2),

Start 3:

- Found in 3 of 8 (37.5%) of genes in pham
- Manual Annotations of this start: 2 of 5

- Called 100.0% of time when present
- Phage (with cluster) where this start called: AWGoat_38 (AP4), BruhMoment_44 (AP3), SilentRX_39 (AP4),

Summary by clusters:

There are 3 clusters represented in this pham: AP2, AP3, AP4,

Info for manual annotations of cluster AP2:

- Start number 2 was manually annotated 3 times for cluster AP2.

Info for manual annotations of cluster AP3:

- Start number 3 was manually annotated 1 time for cluster AP3.

Info for manual annotations of cluster AP4:

- Start number 3 was manually annotated 1 time for cluster AP4.

Gene Information:

Gene: AWGoat_38 Start: 34003, Stop: 34362, Start Num: 3

Candidate Starts for AWGoat_38:

(Start: 3 @34003 has 2 MA's), (5, 34045), (7, 34066), (8, 34069), (10, 34111), (11, 34132), (18, 34246), (19, 34249),

Gene: Beagle_48 Start: 35300, Stop: 35683, Start Num: 2

Candidate Starts for Beagle_48:

(Start: 2 @35300 has 3 MA's), (9, 35384), (11, 35429), (12, 35453), (20, 35555), (22, 35582), (24, 35636), (25, 35648),

Gene: BruhMoment_44 Start: 36667, Stop: 37080, Start Num: 3

Candidate Starts for BruhMoment_44:

(Start: 3 @36667 has 2 MA's), (4, 36694), (6, 36715), (8, 36733), (11, 36820), (12, 36844), (14, 36877),

Gene: MellowYellow_40 Start: 34035, Stop: 34418, Start Num: 2

Candidate Starts for MellowYellow_40:

(Start: 2 @34035 has 3 MA's), (9, 34119), (11, 34164), (12, 34188), (20, 34290), (21, 34305), (22, 34317), (24, 34371), (25, 34383),

Gene: Odyssey395_49 Start: 35319, Stop: 35702, Start Num: 2

Candidate Starts for Odyssey395_49:

(Start: 2 @35319 has 3 MA's), (9, 35403), (11, 35448), (16, 35529), (20, 35574), (22, 35601), (24, 35655), (25, 35667),

Gene: Pointis_45 Start: 35317, Stop: 35700, Start Num: 2

Candidate Starts for Pointis_45:

(Start: 2 @35317 has 3 MA's), (9, 35401), (11, 35446), (12, 35470), (20, 35572), (22, 35599), (24, 35653), (25, 35665),

Gene: Pureglobe5_48 Start: 35500, Stop: 35883, Start Num: 2

Candidate Starts for Pureglobe5_48:

(Start: 2 @35500 has 3 MA's), (9, 35584), (11, 35629), (20, 35755), (22, 35782), (24, 35836), (25, 35848),

Gene: SilentRX_39 Start: 35059, Stop: 35421, Start Num: 3

Candidate Starts for SilentRX_39:

(1, 34966), (Start: 3 @35059 has 2 MA's), (7, 35122), (8, 35125), (10, 35167), (11, 35188), (13, 35233), (15, 35260), (17, 35296), (18, 35302), (23, 35371),