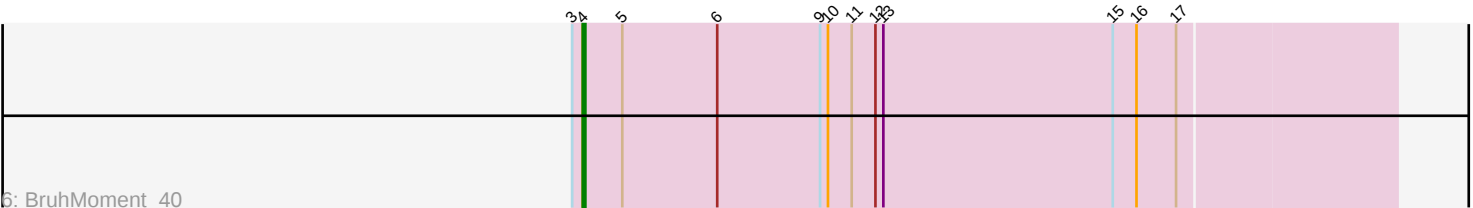
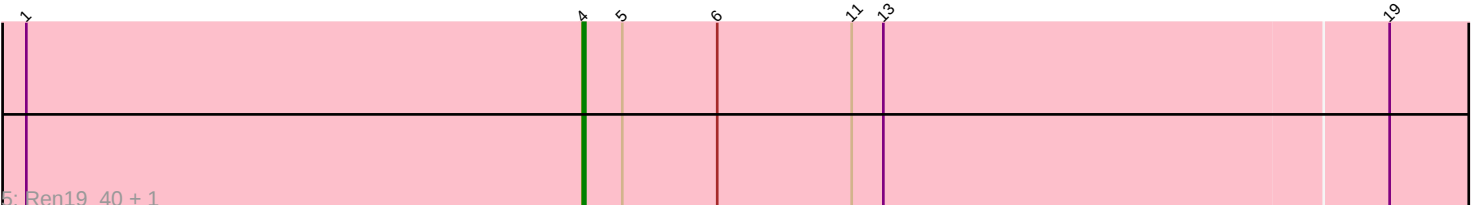
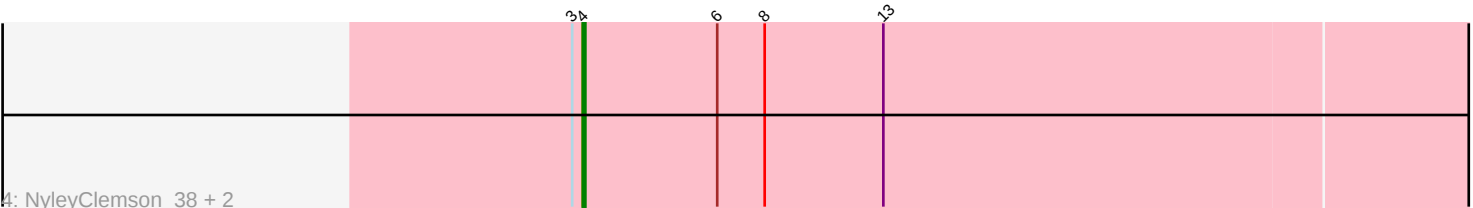
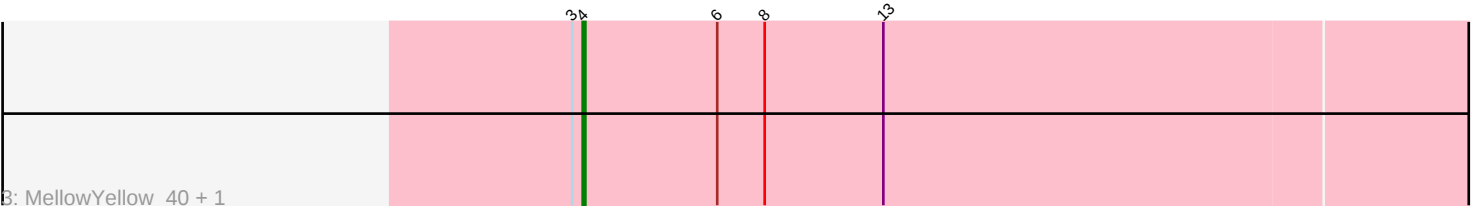
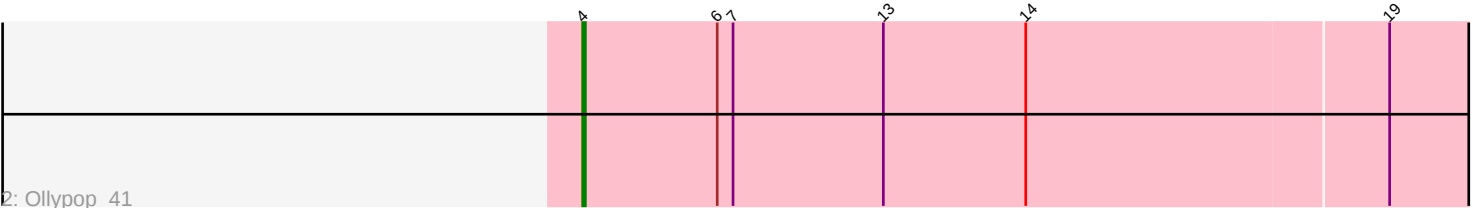
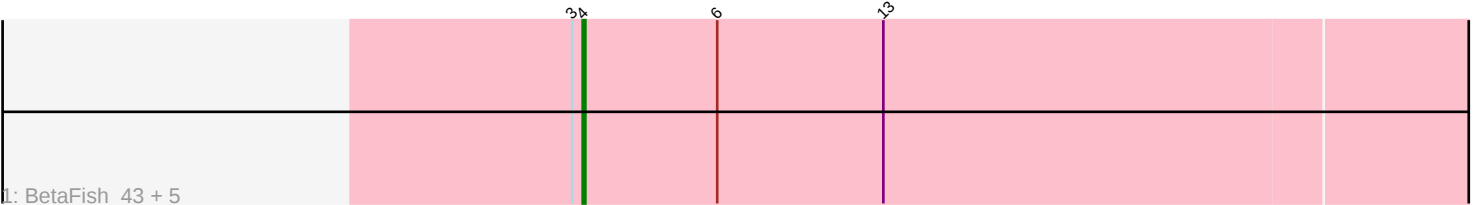


Pham 309520



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 309520 Report

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

Pham number 309520 has 16 members, 2 are drafts.

Phages represented in each track:

- Track 1 : BetaFish_43, Beagle_44, Odyssey395_45, DogYard_43, Pointis_42, Kubulix_44
- Track 2 : Ollypop_41
- Track 3 : MellowYellow_40, RazzB_39
- Track 4 : NyleyClemson_38, Forrestell_40, RIPWilbur_41
- Track 5 : Ren19_40, Nikan_41
- Track 6 : BruhMoment_40
- Track 7 : Stewart25555_85

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

The start number called the most often in the published annotations is 4, it was called in 14 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Beagle_44, BetaFish_43, BruhMoment_40, DogYard_43, Forrestell_40, Kubulix_44, MellowYellow_40, Nikan_41, NyleyClemson_38, Odyssey395_45, Ollypop_41, Pointis_42, RIPWilbur_41, RazzB_39, Ren19_40,

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

-

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

- Stewart25555_85,

Summary by start number:

Start 2:

- Found in 1 of 16 (6.2%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Stewart25555_85 (FC),

Start 4:

- Found in 15 of 16 (93.8%) of genes in pham
- Manual Annotations of this start: 14 of 14
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Beagle_44 (AP2), BetaFish_43 (AP2), BruhMoment_40 (AP3), DogYard_43 (AP2), Forrestell_40 (AP2), Kubulix_44 (AP2), MellowYellow_40 (AP2), Nikan_41 (AP2), NyleyClemson_38 (AP2), Odyssey395_45 (AP2), Ollypop_41 (AP2), Pointis_42 (AP2), RIPWilbur_41 (AP2), RazzB_39 (AP2), Ren19_40 (AP2),

Summary by clusters:

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

Info for manual annotations of cluster AP2:

- Start number 4 was manually annotated 13 times for cluster AP2.

Info for manual annotations of cluster AP3:

- Start number 4 was manually annotated 1 time for cluster AP3.

Gene Information:

Gene: Beagle_44 Start: 34229, Stop: 34576, Start Num: 4

Candidate Starts for Beagle_44:

(3, 34226), (Start: 4 @34229 has 14 MA's), (6, 34280), (13, 34343),

Gene: BetaFish_43 Start: 34423, Stop: 34770, Start Num: 4

Candidate Starts for BetaFish_43:

(3, 34420), (Start: 4 @34423 has 14 MA's), (6, 34474), (13, 34537),

Gene: BruhMoment_40 Start: 35575, Stop: 35880, Start Num: 4

Candidate Starts for BruhMoment_40:

(3, 35572), (Start: 4 @35575 has 14 MA's), (5, 35590), (6, 35626), (9, 35665), (10, 35668), (11, 35677), (12, 35686), (13, 35689), (15, 35776), (16, 35785), (17, 35800),

Gene: DogYard_43 Start: 34123, Stop: 34470, Start Num: 4

Candidate Starts for DogYard_43:

(3, 34120), (Start: 4 @34123 has 14 MA's), (6, 34174), (13, 34237),

Gene: Forrestell_40 Start: 32598, Stop: 32945, Start Num: 4

Candidate Starts for Forrestell_40:

(3, 32595), (Start: 4 @32598 has 14 MA's), (6, 32649), (8, 32667), (13, 32712),

Gene: Kubulix_44 Start: 34071, Stop: 34418, Start Num: 4

Candidate Starts for Kubulix_44:

(3, 34068), (Start: 4 @34071 has 14 MA's), (6, 34122), (13, 34185),

Gene: MellowYellow_40 Start: 32964, Stop: 33311, Start Num: 4

Candidate Starts for MellowYellow_40:

(3, 32961), (Start: 4 @32964 has 14 MA's), (6, 33015), (8, 33033), (13, 33078),

Gene: Nikan_41 Start: 33243, Stop: 33590, Start Num: 4

Candidate Starts for Nikan_41:

(1, 33033), (Start: 4 @33243 has 14 MA's), (5, 33258), (6, 33294), (11, 33345), (13, 33357), (19, 33546),

Gene: NyleyClemson_38 Start: 32579, Stop: 32926, Start Num: 4

Candidate Starts for NyleyClemson_38:

(3, 32576), (Start: 4 @32579 has 14 MA's), (6, 32630), (8, 32648), (13, 32693),

Gene: Odyssey395_45 Start: 34248, Stop: 34595, Start Num: 4

Candidate Starts for Odyssey395_45:

(3, 34245), (Start: 4 @34248 has 14 MA's), (6, 34299), (13, 34362),

Gene: Ollypop_41 Start: 34338, Stop: 34685, Start Num: 4

Candidate Starts for Ollypop_41:

(Start: 4 @34338 has 14 MA's), (6, 34389), (7, 34395), (13, 34452), (14, 34506), (19, 34641),

Gene: Pointis_42 Start: 34246, Stop: 34593, Start Num: 4

Candidate Starts for Pointis_42:

(3, 34243), (Start: 4 @34246 has 14 MA's), (6, 34297), (13, 34360),

Gene: RIPWilbur_41 Start: 33562, Stop: 33909, Start Num: 4

Candidate Starts for RIPWilbur_41:

(3, 33559), (Start: 4 @33562 has 14 MA's), (6, 33613), (8, 33631), (13, 33676),

Gene: RazzB_39 Start: 32710, Stop: 33057, Start Num: 4

Candidate Starts for RazzB_39:

(3, 32707), (Start: 4 @32710 has 14 MA's), (6, 32761), (8, 32779), (13, 32824),

Gene: Ren19_40 Start: 33243, Stop: 33590, Start Num: 4

Candidate Starts for Ren19_40:

(1, 33033), (Start: 4 @33243 has 14 MA's), (5, 33258), (6, 33294), (11, 33345), (13, 33357), (19, 33546),

Gene: Stewart25555_85 Start: 72438, Stop: 72764, Start Num: 2

Candidate Starts for Stewart25555_85:

(2, 72438), (18, 72711),