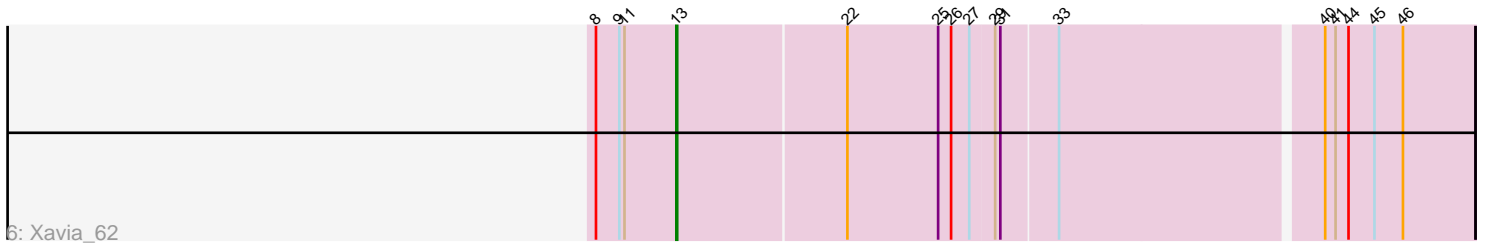
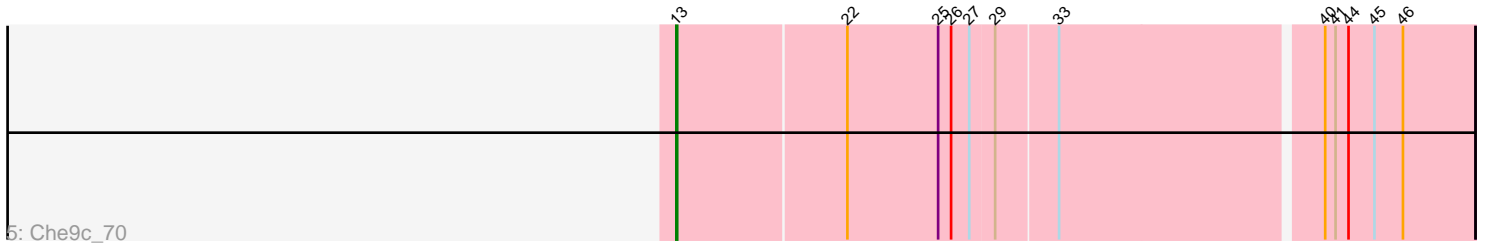
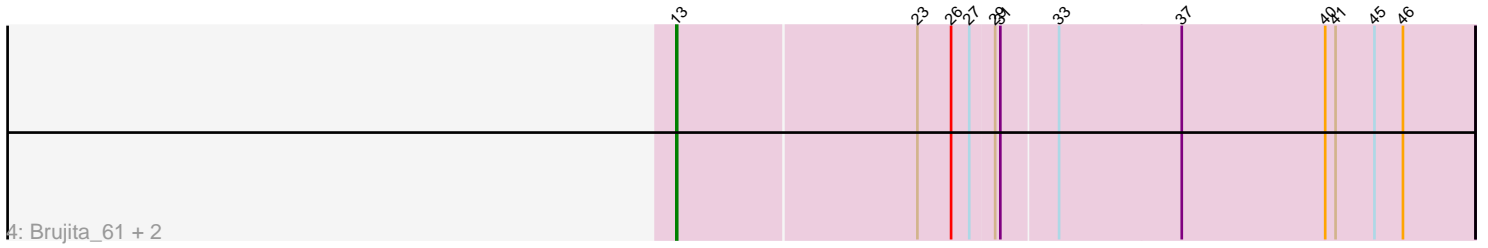
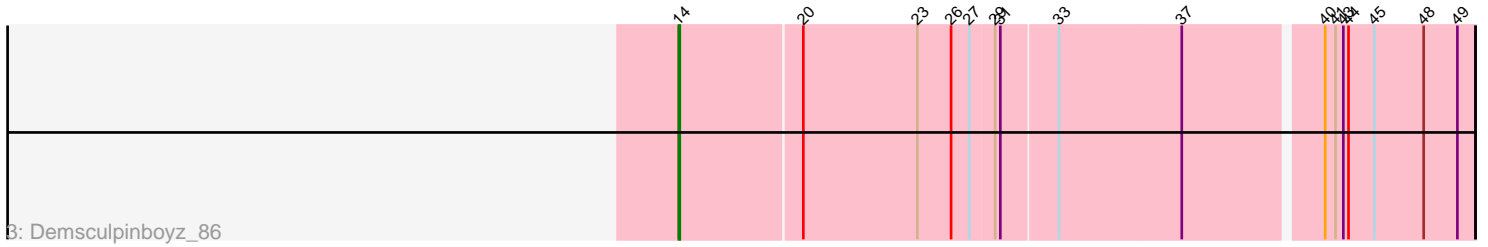
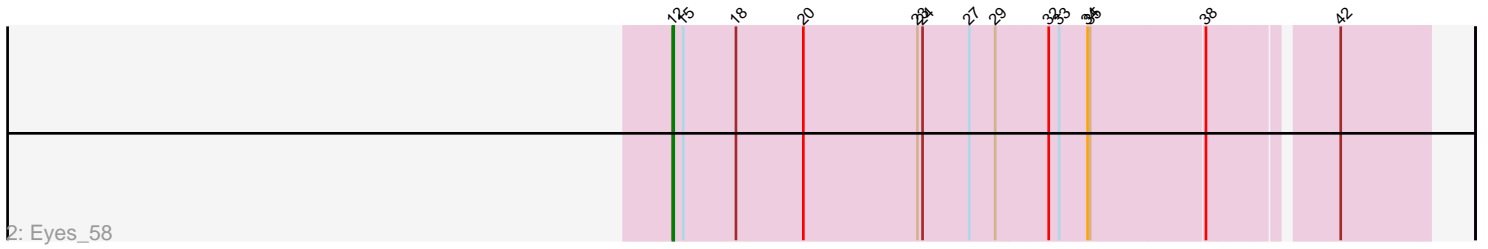
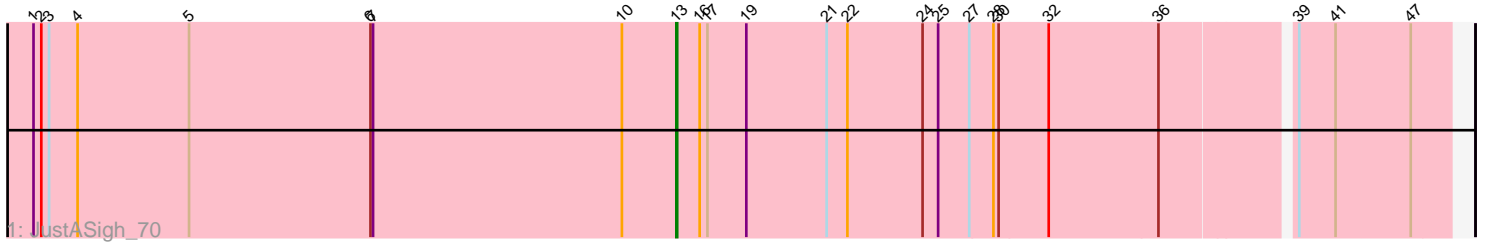


Pham 200918



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 200918 Report

This analysis was run 01/18/25 on database version 583.

Pham number 200918 has 8 members, 0 are drafts.

Phages represented in each track:

- Track 1 : JustASigh_70
- Track 2 : Eyes_58
- Track 3 : Demsculpinboyz_86
- Track 4 : Brujita_61, EleanorGeorge_75, Island3_62
- Track 5 : Che9c_70
- Track 6 : Xavia_62

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

The start number called the most often in the published annotations is 13, it was called in 6 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Brujita_61, Che9c_70, EleanorGeorge_75, Island3_62, JustASigh_70, Xavia_62,

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

-

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

- Demsculpinboyz_86, Eyes_58,

Summary by start number:

Start 12:

- Found in 1 of 8 (12.5%) of genes in pham
- Manual Annotations of this start: 1 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Eyes_58 (DB),

Start 13:

- Found in 6 of 8 (75.0%) of genes in pham
- Manual Annotations of this start: 6 of 8
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Brujita_61 (I1), Che9c_70 (I2), EleanorGeorge_75 (F1), Island3_62 (I1), JustASigh_70 (AH), Xavia_62 (P3),

Start 14:

- Found in 1 of 8 (12.5%) of genes in pham
- Manual Annotations of this start: 1 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Demsculpinboyz_86 (F2),

Summary by clusters:

There are 7 clusters represented in this pham: F1, F2, P3, I1, AH, I2, DB,

Info for manual annotations of cluster AH:

- Start number 13 was manually annotated 1 time for cluster AH.

Info for manual annotations of cluster DB:

- Start number 12 was manually annotated 1 time for cluster DB.

Info for manual annotations of cluster F1:

- Start number 13 was manually annotated 1 time for cluster F1.

Info for manual annotations of cluster F2:

- Start number 14 was manually annotated 1 time for cluster F2.

Info for manual annotations of cluster I1:

- Start number 13 was manually annotated 2 times for cluster I1.

Info for manual annotations of cluster I2:

- Start number 13 was manually annotated 1 time for cluster I2.

Info for manual annotations of cluster P3:

- Start number 13 was manually annotated 1 time for cluster P3.

Gene Information:

Gene: Brujita_61 Start: 39754, Stop: 40662, Start Num: 13

Candidate Starts for Brujita_61:

(Start: 13 @39754 has 6 MA's), (23, 40027), (26, 40066), (27, 40087), (29, 40114), (31, 40120), (33, 40183), (37, 40324), (40, 40489), (41, 40501), (45, 40546), (46, 40579),

Gene: Che9c_70 Start: 49481, Stop: 50374, Start Num: 13

Candidate Starts for Che9c_70:

(Start: 13 @49481 has 6 MA's), (22, 49673), (25, 49778), (26, 49793), (27, 49814), (29, 49841), (33, 49910), (40, 50201), (41, 50213), (44, 50228), (45, 50258), (46, 50291),

Gene: Demsculpinboyz_86 Start: 45706, Stop: 46596, Start Num: 14

Candidate Starts for Demsculpinboyz_86:

(Start: 14 @45706 has 1 MA's), (20, 45844), (23, 45976), (26, 46015), (27, 46036), (29, 46063), (31, 46069), (33, 46132), (37, 46273), (40, 46423), (41, 46435), (43, 46444), (44, 46450), (45, 46480), (48, 46537), (49, 46576),

Gene: EleanorGeorge_75 Start: 46457, Stop: 47365, Start Num: 13

Candidate Starts for EleanorGeorge_75:

(Start: 13 @46457 has 6 MA's), (23, 46730), (26, 46769), (27, 46790), (29, 46817), (31, 46823), (33, 46886), (37, 47027), (40, 47192), (41, 47204), (45, 47249), (46, 47282),

Gene: Eyes_58 Start: 41523, Stop: 42362, Start Num: 12

Candidate Starts for Eyes_58:

(Start: 12 @41523 has 1 MA's), (15, 41535), (18, 41595), (20, 41673), (23, 41805), (24, 41811), (27, 41865), (29, 41895), (32, 41955), (33, 41967), (34, 42000), (35, 42003), (38, 42132), (42, 42264),

Gene: Island3_62 Start: 39754, Stop: 40662, Start Num: 13

Candidate Starts for Island3_62:

(Start: 13 @39754 has 6 MA's), (23, 40027), (26, 40066), (27, 40087), (29, 40114), (31, 40120), (33, 40183), (37, 40324), (40, 40489), (41, 40501), (45, 40546), (46, 40579),

Gene: JustASigh_70 Start: 45511, Stop: 46377, Start Num: 13

Candidate Starts for JustASigh_70:

(1, 44767), (2, 44776), (3, 44785), (4, 44818), (5, 44947), (6, 45157), (7, 45160), (10, 45448), (Start: 13 @45511 has 6 MA's), (16, 45538), (17, 45547), (19, 45592), (21, 45685), (22, 45709), (24, 45796), (25, 45814), (27, 45850), (28, 45877), (30, 45883), (32, 45940), (36, 46066), (39, 46207), (41, 46249), (47, 46333),

Gene: Xavia_62 Start: 44650, Stop: 45543, Start Num: 13

Candidate Starts for Xavia_62:

(8, 44557), (9, 44584), (11, 44590), (Start: 13 @44650 has 6 MA's), (22, 44842), (25, 44947), (26, 44962), (27, 44983), (29, 45010), (31, 45016), (33, 45079), (40, 45370), (41, 45382), (44, 45397), (45, 45427), (46, 45460),