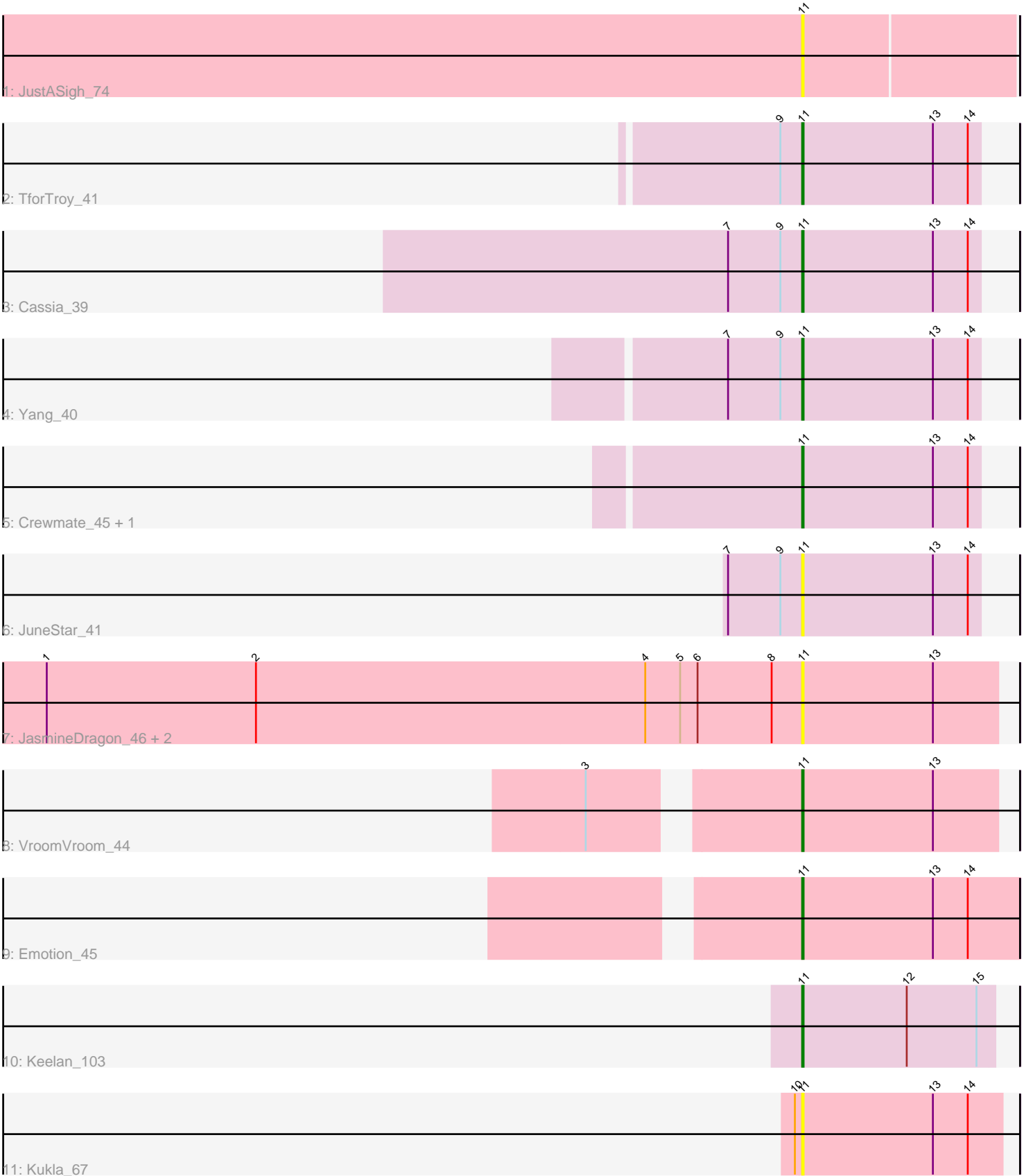


Pham 88080



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 88080 Report

This analysis was run 04/05/24 on database version 557.

Pham number 88080 has 14 members, 6 are drafts.

Phages represented in each track:

- Track 1 : JustASigh_74
- Track 2 : TforTroy_41
- Track 3 : Cassia_39
- Track 4 : Yang_40
- Track 5 : Crewmate_45, ObiToo_45
- Track 6 : JuneStar_41
- Track 7 : JasmineDragon_46, MiniMommy_46, ShakeltOph_46
- Track 8 : VroomVroom_44
- Track 9 : Emotion_45
- Track 10 : Keelan_103
- Track 11 : Kukla_67

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

The start number called the most often in the published annotations is 11, it was called in 8 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Cassia_39, Crewmate_45, Emotion_45, JasmineDragon_46, JuneStar_41, JustASigh_74, Keelan_103, Kukla_67, MiniMommy_46, ObiToo_45, ShakeltOph_46, TforTroy_41, VroomVroom_44, Yang_40,

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 11:

- Found in 14 of 14 (100.0%) of genes in pham
- Manual Annotations of this start: 8 of 8
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Cassia_39 (AZ1), Crewmate_45 (AZ1), Emotion_45 (AZ4), JasmineDragon_46 (AZ4), JuneStar_41 (AZ1), JustASigh_74 (AH), Keelan_103 (DP), Kukla_67 (FJ), MiniMommy_46 (AZ4), ObiToo_45 (AZ1), ShakeltOph_46 (AZ4), TforTroy_41 (AZ1), VroomVroom_44 (AZ4), Yang_40 (AZ1),

Summary by clusters:

There are 5 clusters represented in this pham: AZ1, FJ, AZ4, DP, AH,

Info for manual annotations of cluster AZ1:

- Start number 11 was manually annotated 5 times for cluster AZ1.

Info for manual annotations of cluster AZ4:

- Start number 11 was manually annotated 2 times for cluster AZ4.

Info for manual annotations of cluster DP:

- Start number 11 was manually annotated 1 time for cluster DP.

Gene Information:

Gene: Cassia_39 Start: 29028, Stop: 29150, Start Num: 11

Candidate Starts for Cassia_39:

(7, 28977), (9, 29013), (Start: 11 @29028 has 8 MA's), (13, 29118), (14, 29142),

Gene: Crewmate_45 Start: 29698, Stop: 29820, Start Num: 11

Candidate Starts for Crewmate_45:

(Start: 11 @29698 has 8 MA's), (13, 29788), (14, 29812),

Gene: Emotion_45 Start: 30973, Stop: 31122, Start Num: 11

Candidate Starts for Emotion_45:

(Start: 11 @30973 has 8 MA's), (13, 31063), (14, 31087),

Gene: JasmineDragon_46 Start: 30221, Stop: 30355, Start Num: 11

Candidate Starts for JasmineDragon_46:

(1, 29702), (2, 29846), (4, 30113), (5, 30137), (6, 30149), (8, 30200), (Start: 11 @30221 has 8 MA's), (13, 30311),

Gene: JuneStar_41 Start: 30926, Stop: 31048, Start Num: 11

Candidate Starts for JuneStar_41:

(7, 30875), (9, 30911), (Start: 11 @30926 has 8 MA's), (13, 31016), (14, 31040),

Gene: JustASigh_74 Start: 47042, Stop: 47185, Start Num: 11

Candidate Starts for JustASigh_74:

(Start: 11 @47042 has 8 MA's),

Gene: Keelan_103 Start: 52321, Stop: 52452, Start Num: 11

Candidate Starts for Keelan_103:

(Start: 11 @52321 has 8 MA's), (12, 52393), (15, 52441),

Gene: Kukla_67 Start: 39872, Stop: 40009, Start Num: 11
Candidate Starts for Kukla_67:
(10, 39869), (Start: 11 @39872 has 8 MA's), (13, 39962), (14, 39986),

Gene: MiniMommy_46 Start: 30222, Stop: 30356, Start Num: 11
Candidate Starts for MiniMommy_46:
(1, 29703), (2, 29847), (4, 30114), (5, 30138), (6, 30150), (8, 30201), (Start: 11 @30222 has 8 MA's),
(13, 30312),

Gene: ObiToo_45 Start: 30139, Stop: 30261, Start Num: 11
Candidate Starts for ObiToo_45:
(Start: 11 @30139 has 8 MA's), (13, 30229), (14, 30253),

Gene: ShakeltOph_46 Start: 30221, Stop: 30355, Start Num: 11
Candidate Starts for ShakeltOph_46:
(1, 29702), (2, 29846), (4, 30113), (5, 30137), (6, 30149), (8, 30200), (Start: 11 @30221 has 8 MA's),
(13, 30311),

Gene: TforTroy_41 Start: 29351, Stop: 29473, Start Num: 11
Candidate Starts for TforTroy_41:
(9, 29336), (Start: 11 @29351 has 8 MA's), (13, 29441), (14, 29465),

Gene: VroomVroom_44 Start: 30256, Stop: 30390, Start Num: 11
Candidate Starts for VroomVroom_44:
(3, 30199), (Start: 11 @30256 has 8 MA's), (13, 30346),

Gene: Yang_40 Start: 28840, Stop: 28962, Start Num: 11
Candidate Starts for Yang_40:
(7, 28789), (9, 28825), (Start: 11 @28840 has 8 MA's), (13, 28930), (14, 28954),