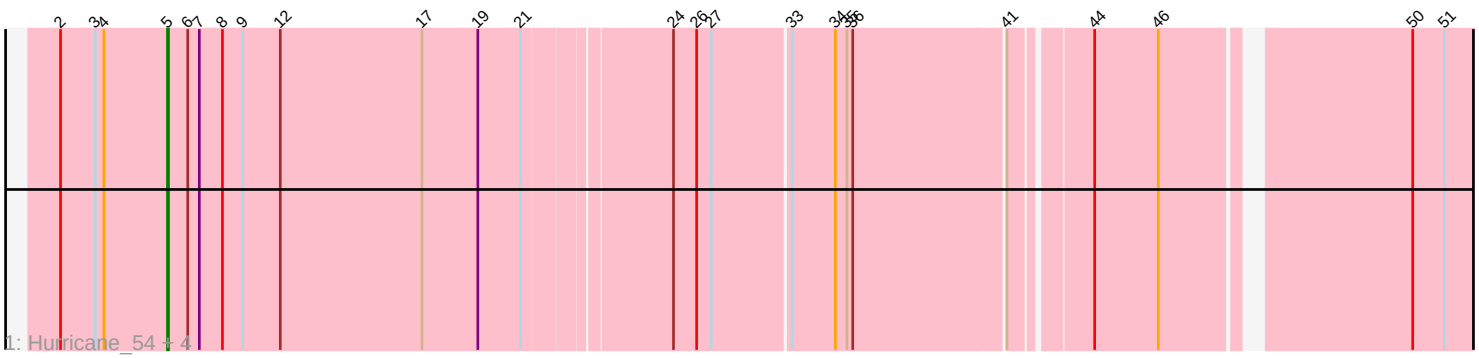
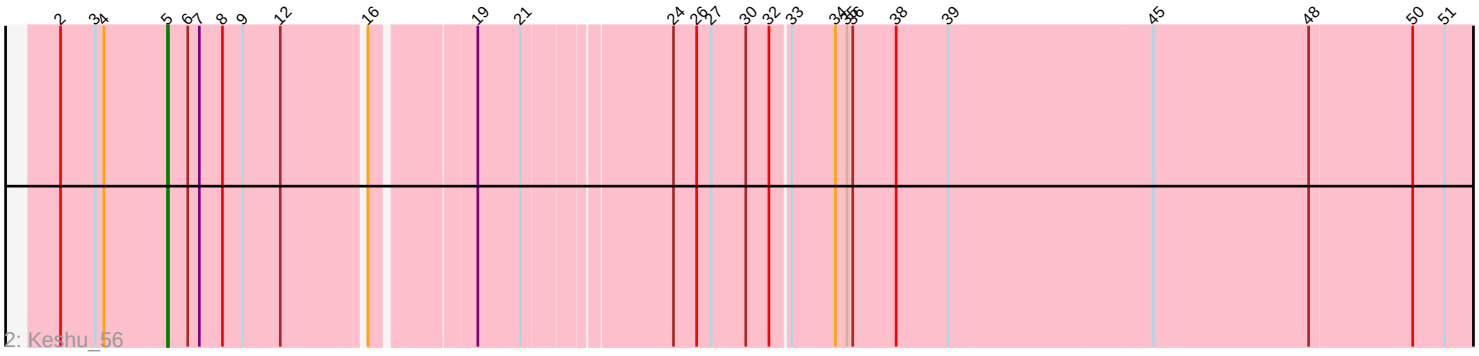
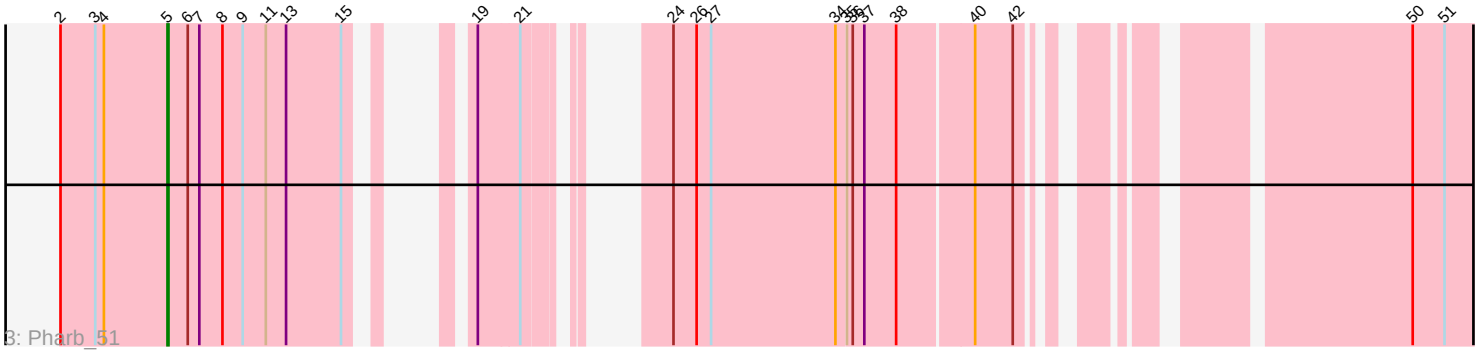
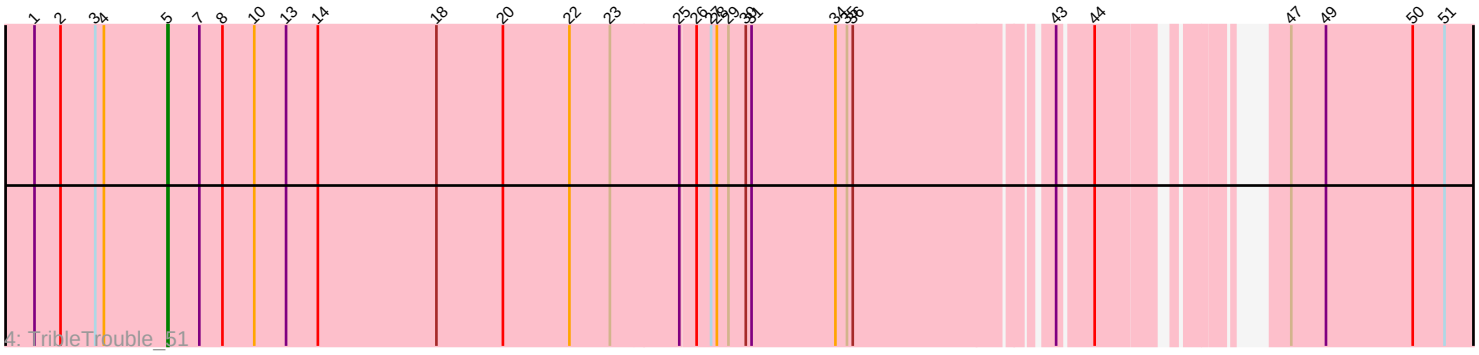
# Pham 348325



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 348325 Report

This analysis was run 11/14/26 on database version 672.

Pham number 348325 has 8 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Hurricane_54, Pixie_53, ShedlockHolmes_55, TBond007_52, Lea83_54
• Track 2 : Keshu_56
• Track 3 : Pharb_51
• Track 4 : TribleTrouble_51

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

The start number called the most often in the published annotations is 5, it was called in 8 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Hurricane_54, Keshu_56, Lea83_54, Pharb_51, Pixie_53, ShedlockHolmes_55, TBond007_52, TribleTrouble_51,

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 5:
• Found in 8 of 8 ( 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: Hurricane_54 (K3), Keshu_56 (K3), Lea83_54 (K3), Pharb_51 (K3), Pixie_53 (K3), ShedlockHolmes_55 (K3), TBond007_52 (K3), TribleTrouble_51 (K3),

**Summary by clusters:**

There is one cluster represented in this pham: K3

Info for manual annotations of cluster K3:
•Start number 5 was manually annotated 8 times for cluster K3.

### *Gene Information:*

Gene: Hurricane_54 Start: 38185, Stop: 39534, Start Num: 5
Candidate Starts for Hurricane_54:
(2, 38074), (3, 38110), (4, 38119), (Start: 5 @38185 has 8 MA's), (6, 38206), (7, 38218), (8, 38242), (9, 38263), (12, 38302), (17, 38449), (19, 38506), (21, 38548), (24, 38689), (26, 38713), (27, 38728), (33, 38806), (34, 38851), (35, 38863), (36, 38869), (41, 39022), (44, 39094), (46, 39160), (50, 39391), (51, 39424),

Gene: Keshu_56 Start: 38252, Stop: 39637, Start Num: 5
Candidate Starts for Keshu_56:
(2, 38141), (3, 38177), (4, 38186), (Start: 5 @38252 has 8 MA's), (6, 38273), (7, 38285), (8, 38309), (9, 38330), (12, 38369), (16, 38447), (19, 38534), (21, 38576), (24, 38717), (26, 38741), (27, 38756), (30, 38792), (32, 38816), (33, 38834), (34, 38879), (35, 38891), (36, 38897), (38, 38942), (39, 38996), (45, 39206), (48, 39365), (50, 39470), (51, 39503),

Gene: Lea83_54 Start: 38238, Stop: 39587, Start Num: 5
Candidate Starts for Lea83_54:
(2, 38127), (3, 38163), (4, 38172), (Start: 5 @38238 has 8 MA's), (6, 38259), (7, 38271), (8, 38295), (9, 38316), (12, 38355), (17, 38502), (19, 38559), (21, 38601), (24, 38742), (26, 38766), (27, 38781), (33, 38859), (34, 38904), (35, 38916), (36, 38922), (41, 39075), (44, 39147), (46, 39213), (50, 39444), (51, 39477),

Gene: Pharb_51 Start: 36939, Stop: 38099, Start Num: 5
Candidate Starts for Pharb_51:
(2, 36828), (3, 36864), (4, 36873), (Start: 5 @36939 has 8 MA's), (6, 36960), (7, 36972), (8, 36996), (9, 37017), (11, 37041), (13, 37062), (15, 37119), (19, 37164), (21, 37206), (24, 37278), (26, 37302), (27, 37317), (34, 37446), (35, 37455), (36, 37461), (37, 37473), (38, 37506), (40, 37581), (42, 37620), (50, 37932), (51, 37965),

Gene: Pixie_53 Start: 37717, Stop: 39072, Start Num: 5
Candidate Starts for Pixie_53:
(2, 37606), (3, 37642), (4, 37651), (Start: 5 @37717 has 8 MA's), (6, 37738), (7, 37750), (8, 37774), (9, 37795), (12, 37834), (17, 37981), (19, 38038), (21, 38080), (24, 38221), (26, 38245), (27, 38260), (33, 38344), (34, 38389), (35, 38401), (36, 38407), (41, 38560), (44, 38632), (46, 38698), (50, 38929), (51, 38962),

Gene: ShedlockHolmes_55 Start: 38242, Stop: 39591, Start Num: 5
Candidate Starts for ShedlockHolmes_55:
(2, 38131), (3, 38167), (4, 38176), (Start: 5 @38242 has 8 MA's), (6, 38263), (7, 38275), (8, 38299), (9, 38320), (12, 38359), (17, 38506), (19, 38563), (21, 38605), (24, 38746), (26, 38770), (27, 38785), (33, 38863), (34, 38908), (35, 38920), (36, 38926), (41, 39079), (44, 39151), (46, 39217), (50, 39448), (51, 39481),

Gene: TBond007_52 Start: 37716, Stop: 39071, Start Num: 5
Candidate Starts for TBond007_52:
(2, 37605), (3, 37641), (4, 37650), (Start: 5 @37716 has 8 MA's), (6, 37737), (7, 37749), (8, 37773), (9, 37794), (12, 37833), (17, 37980), (19, 38037), (21, 38079), (24, 38220), (26, 38244), (27, 38259), (33,

38343), (34, 38388), (35, 38400), (36, 38406), (41, 38559), (44, 38631), (46, 38697), (50, 38928), (51, 38961),

Gene: TribleTrouble_51 Start: 37598, Stop: 38950, Start Num: 5
Candidate Starts for TribleTrouble_51:
(1, 37460), (2, 37487), (3, 37523), (4, 37532), (Start: 5 @37598 has 8 MA's), (7, 37631), (8, 37655), (10, 37688), (13, 37721), (14, 37754), (18, 37877), (20, 37946), (22, 38015), (23, 38057), (25, 38126), (26, 38141), (27, 38156), (28, 38162), (29, 38174), (30, 38192), (31, 38198), (34, 38285), (35, 38297), (36, 38303), (43, 38492), (44, 38525), (47, 38657), (49, 38693), (50, 38783), (51, 38816),