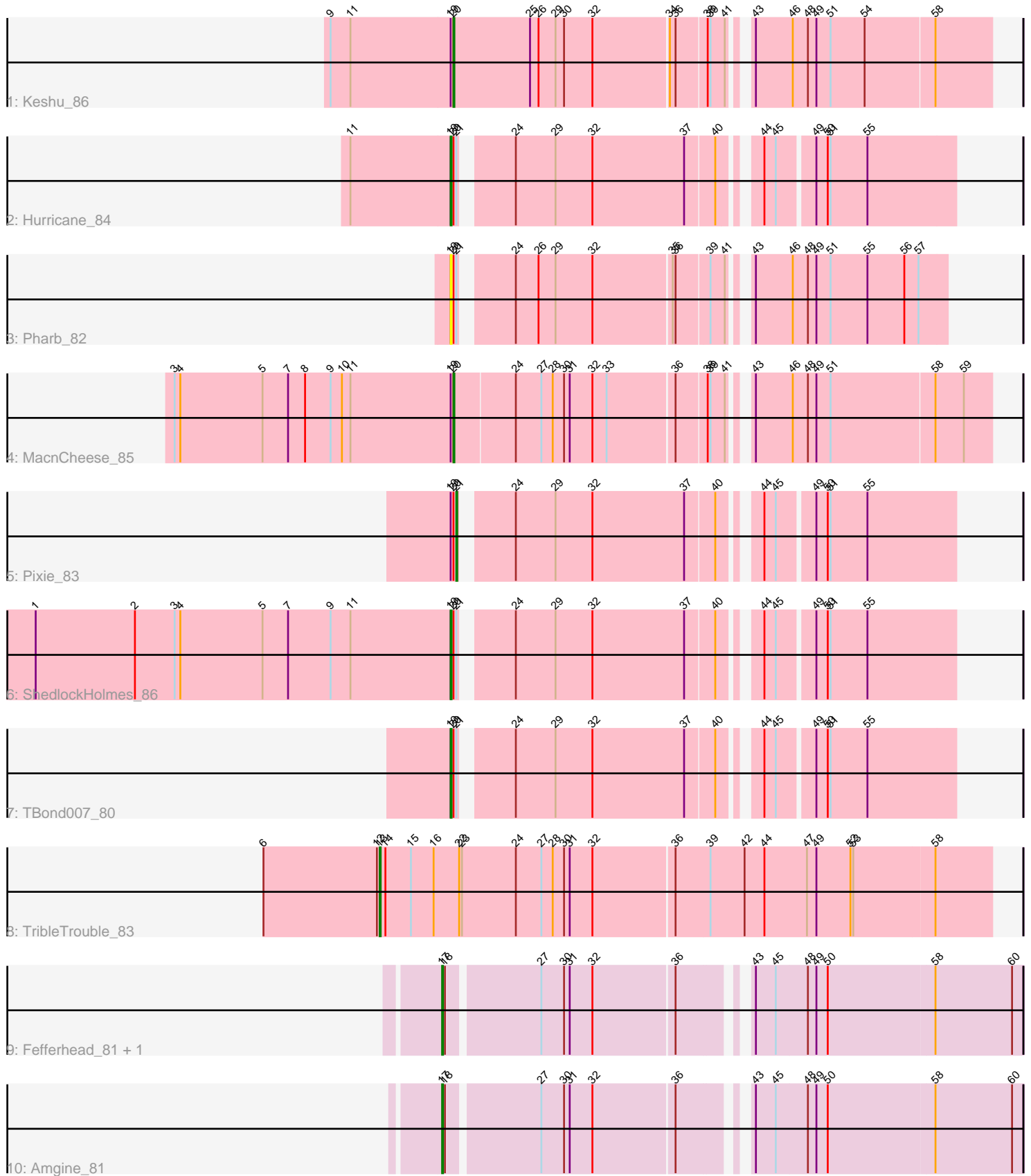


Pham 87466



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 87466 Report

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

Pham number 87466 has 11 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Keshu_86
- Track 2 : Hurricane_84
- Track 3 : Pharb_82
- Track 4 : MacnCheese_85
- Track 5 : Pixie_83
- Track 6 : ShedlockHolmes_86
- Track 7 : TBond007_80
- Track 8 : TribbleTrouble_83
- Track 9 : Fefferhead_81, Ellie_79
- Track 10 : Amgine_81

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

The start number called the most often in the published annotations is 17, it was called in 3 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Amgine_81, Ellie_79, Fefferhead_81,

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

-

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

- Hurricane_84, Keshu_86, MacnCheese_85, Pharb_82, Pixie_83, ShedlockHolmes_86, TBond007_80, TribbleTrouble_83,

Summary by start number:

Start 13:

- Found in 1 of 11 (9.1%) of genes in pham
- Manual Annotations of this start: 1 of 10
- Called 100.0% of time when present
- Phage (with cluster) where this start called: TribbleTrouble_83 (K3),

Start 17:

- Found in 3 of 11 (27.3%) of genes in pham
- Manual Annotations of this start: 3 of 10
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Amgine_81 (K6), Ellie_79 (K6), Fefferhead_81 (K6),

Start 19:

- Found in 7 of 11 (63.6%) of genes in pham
- Manual Annotations of this start: 3 of 10
- Called 57.1% of time when present
- Phage (with cluster) where this start called: Hurricane_84 (K3), Pharb_82 (K3), ShedlockHolmes_86 (K3), TBond007_80 (K3),

Start 20:

- Found in 7 of 11 (63.6%) of genes in pham
- Manual Annotations of this start: 2 of 10
- Called 28.6% of time when present
- Phage (with cluster) where this start called: Keshu_86 (K3), MacnCheese_85 (K3),

Start 21:

- Found in 5 of 11 (45.5%) of genes in pham
- Manual Annotations of this start: 1 of 10
- Called 20.0% of time when present
- Phage (with cluster) where this start called: Pixie_83 (K3),

Summary by clusters:

There are 2 clusters represented in this pham: K3, K6,

Info for manual annotations of cluster K3:

- Start number 13 was manually annotated 1 time for cluster K3.
- Start number 19 was manually annotated 3 times for cluster K3.
- Start number 20 was manually annotated 2 times for cluster K3.
- Start number 21 was manually annotated 1 time for cluster K3.

Info for manual annotations of cluster K6:

- Start number 17 was manually annotated 3 times for cluster K6.

Gene Information:

Gene: Amgine_81 Start: 54064, Stop: 54630, Start Num: 17

Candidate Starts for Amgine_81:

(Start: 17 @54064 has 3 MA's), (18, 54067), (27, 54157), (30, 54181), (31, 54187), (32, 54211), (36, 54295), (43, 54352), (45, 54373), (48, 54406), (49, 54415), (50, 54427), (58, 54538), (60, 54619),

Gene: Ellie_79 Start: 53232, Stop: 53798, Start Num: 17

Candidate Starts for Ellie_79:

(Start: 17 @53232 has 3 MA's), (18, 53235), (27, 53325), (30, 53349), (31, 53355), (32, 53379), (36, 53463), (43, 53520), (45, 53541), (48, 53574), (49, 53583), (50, 53595), (58, 53706), (60, 53787),

Gene: Fefferhead_81 Start: 53028, Stop: 53594, Start Num: 17

Candidate Starts for Fefferhead_81:

(Start: 17 @53028 has 3 MA's), (18, 53031), (27, 53121), (30, 53145), (31, 53151), (32, 53175), (36, 53259), (43, 53316), (45, 53337), (48, 53370), (49, 53379), (50, 53391), (58, 53502), (60, 53583),

Gene: Hurricane_84 Start: 53948, Stop: 54430, Start Num: 19

Candidate Starts for Hurricane_84:

(11, 53843), (Start: 19 @53948 has 3 MA's), (Start: 20 @53951 has 2 MA's), (Start: 21 @53954 has 1 MA's), (24, 53999), (29, 54041), (32, 54080), (37, 54176), (40, 54206), (44, 54236), (45, 54248), (49, 54284), (50, 54296), (51, 54299), (55, 54338),

Gene: Keshu_86 Start: 54180, Stop: 54716, Start Num: 20

Candidate Starts for Keshu_86:

(9, 54051), (11, 54072), (Start: 19 @54177 has 3 MA's), (Start: 20 @54180 has 2 MA's), (25, 54261), (26, 54270), (29, 54288), (30, 54297), (32, 54327), (34, 54405), (36, 54411), (38, 54441), (39, 54444), (41, 54459), (43, 54471), (46, 54510), (48, 54525), (49, 54534), (51, 54549), (54, 54585), (58, 54657),

Gene: MacnCheese_85 Start: 54442, Stop: 54975, Start Num: 20

Candidate Starts for MacnCheese_85:

(3, 54148), (4, 54154), (5, 54241), (7, 54268), (8, 54286), (9, 54313), (10, 54325), (11, 54334), (Start: 19 @54439 has 3 MA's), (Start: 20 @54442 has 2 MA's), (24, 54505), (27, 54532), (28, 54544), (30, 54556), (31, 54562), (32, 54586), (33, 54601), (36, 54670), (38, 54700), (39, 54703), (41, 54718), (43, 54730), (46, 54769), (48, 54784), (49, 54793), (51, 54808), (58, 54916), (59, 54946),

Gene: Pharb_82 Start: 53255, Stop: 53731, Start Num: 19

Candidate Starts for Pharb_82:

(Start: 19 @53255 has 3 MA's), (Start: 20 @53258 has 2 MA's), (Start: 21 @53261 has 1 MA's), (24, 53306), (26, 53330), (29, 53348), (32, 53387), (35, 53468), (36, 53471), (39, 53504), (41, 53519), (43, 53531), (46, 53570), (48, 53585), (49, 53594), (51, 53609), (55, 53648), (56, 53687), (57, 53702),

Gene: Pixie_83 Start: 53658, Stop: 54134, Start Num: 21

Candidate Starts for Pixie_83:

(Start: 19 @53652 has 3 MA's), (Start: 20 @53655 has 2 MA's), (Start: 21 @53658 has 1 MA's), (24, 53703), (29, 53745), (32, 53784), (37, 53880), (40, 53910), (44, 53940), (45, 53952), (49, 53988), (50, 54000), (51, 54003), (55, 54042),

Gene: ShedlockHolmes_86 Start: 54075, Stop: 54557, Start Num: 19

Candidate Starts for ShedlockHolmes_86:

(1, 53637), (2, 53742), (3, 53784), (4, 53790), (5, 53877), (7, 53904), (9, 53949), (11, 53970), (Start: 19 @54075 has 3 MA's), (Start: 20 @54078 has 2 MA's), (Start: 21 @54081 has 1 MA's), (24, 54126), (29, 54168), (32, 54207), (37, 54303), (40, 54333), (44, 54363), (45, 54375), (49, 54411), (50, 54423), (51, 54426), (55, 54465),

Gene: TBond007_80 Start: 53650, Stop: 54132, Start Num: 19

Candidate Starts for TBond007_80:

(Start: 19 @53650 has 3 MA's), (Start: 20 @53653 has 2 MA's), (Start: 21 @53656 has 1 MA's), (24, 53701), (29, 53743), (32, 53782), (37, 53878), (40, 53908), (44, 53938), (45, 53950), (49, 53986), (50, 53998), (51, 54001), (55, 54040),

Gene: TribbleTrouble_83 Start: 53842, Stop: 54480, Start Num: 13

Candidate Starts for TribbleTrouble_83:

(6, 53719), (12, 53839), (Start: 13 @53842 has 1 MA's), (14, 53848), (15, 53875), (16, 53899), (22, 53926), (23, 53929), (24, 53986), (27, 54013), (28, 54025), (30, 54037), (31, 54043), (32, 54067), (36,

54151), (39, 54187), (42, 54223), (44, 54244), (47, 54289), (49, 54298), (52, 54334), (53, 54337), (58, 54421),