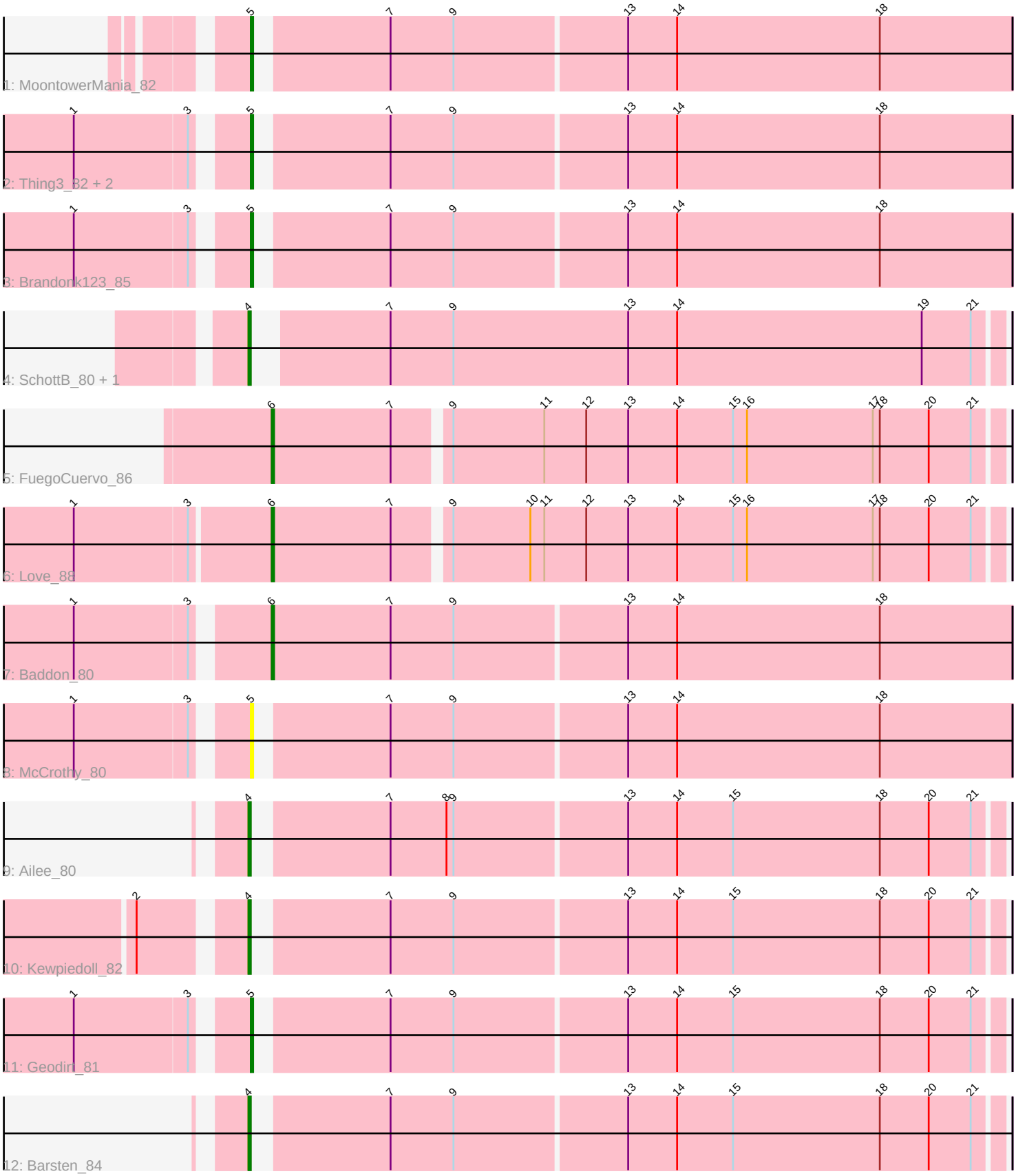
Pham 346268


1: MoontowerMania_82
2: Thing3_82 + 2
3: Brandonk123_85
4: SchottB_80 + 1
5: FuegoCuervo_86
6: Love_88
7: Baddon_80
8: McCrothy_80
9: Ailee_80
10: Kewpiedoll_82
11: Geodirt_81
12: Barsten_84

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 346268 Report

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

Pham number 346268 has 15 members, 1 are drafts.

Phages represented in each track:
• Track 1 : MoontowerMania_82
• Track 2 : Thing3_82, Galadriel_82, Kamashten_82
• Track 3 : Brandonk123_85
• Track 4 : SchottB_80, Baumdotcom_80
• Track 5 : FuegoCuervo_86
• Track 6 : Love_88
• Track 7 : Baddon_80
• Track 8 : McCrothy_80
• Track 9 : Ailee_80
• Track 10 : Kewpiedoll_82
• Track 11 : Geodirt_81
• Track 12 : Barsten_84

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 6 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Brandonk123_85, Galadriel_82, Geodirt_81, Kamashten_82, McCrothy_80, MoontowerMania_82, Thing3_82,

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

Genes that do not have the "Most Annotated" start:
• Ailee_80, Baddon_80, Barsten_84, Baumdotcom_80, FuegoCuervo_86, Kewpiedoll_82, Love_88, SchottB_80,

Summary by start number:

Start 4:
• Found in 5 of 15 (33.3%) of genes in pham
• Manual Annotations of this start: 5 of 14

• Called 100.0% of time when present
• Phage (with cluster) where this start called: Ailee_80 (DE1), Barsten_84 (DE1), Baumdotcom_80 (DE1), Kewpiedoll_82 (DE1), SchottB_80 (DE1),

Start 5:
• Found in 7 of 15 (46.7%) of genes in pham
• Manual Annotations of this start: 6 of 14
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Brandonk123_85 (DE1), Galadriel_82 (DE1), Geodirt_81 (DE1), Kamashten_82 (DE1), McCrothy_80 (DE1), MoontowerMania_82 (DE1), Thing3_82 (DE1),

Start 6:
• Found in 3 of 15 (20.0%) of genes in pham
• Manual Annotations of this start: 3 of 14
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Baddon_80 (DE1), FuegoCuervo_86 (DE1), Love_88 (DE1),

Summary by clusters:

There is one cluster represented in this pham: DE1

Info for manual annotations of cluster DE1:
•Start number 4 was manually annotated 5 times for cluster DE1.
•Start number 5 was manually annotated 6 times for cluster DE1.
•Start number 6 was manually annotated 3 times for cluster DE1.

Gene Information:

Gene: Ailee_80 Start: 56580, Stop: 56888, Start Num: 4
Candidate Starts for Ailee_80:
(Start: 4 @56580 has 5 MA's), (7, 56631), (8, 56655), (9, 56658), (13, 56730), (14, 56751), (15, 56775), (18, 56838), (20, 56859), (21, 56877),

Gene: Baddon_80 Start: 56489, Stop: 56803, Start Num: 6
Candidate Starts for Baddon_80:
(1, 56414), (3, 56462), (Start: 6 @56489 has 3 MA's), (7, 56540), (9, 56567), (13, 56639), (14, 56660), (18, 56747),

Gene: Barsten_84 Start: 57484, Stop: 57792, Start Num: 4
Candidate Starts for Barsten_84:
(Start: 4 @57484 has 5 MA's), (7, 57535), (9, 57562), (13, 57634), (14, 57655), (15, 57679), (18, 57742), (20, 57763), (21, 57781),

Gene: Baumdotcom_80 Start: 55956, Stop: 56264, Start Num: 4
Candidate Starts for Baumdotcom_80:
(Start: 4 @55956 has 5 MA's), (7, 56004), (9, 56031), (13, 56106), (14, 56127), (19, 56232), (21, 56253),

Gene: Brandonk123_85 Start: 56678, Stop: 56992, Start Num: 5

Candidate Starts for Brandonk123_85:
(1, 56612), (3, 56660), (Start: 5 @56678 has 6 MA's), (7, 56729), (9, 56756), (13, 56828), (14, 56849), (18, 56936),

Gene: FuegoCuervo_86 Start: 57023, Stop: 57328, Start Num: 6
Candidate Starts for FuegoCuervo_86:
(Start: 6 @57023 has 3 MA's), (7, 57074), (9, 57095), (11, 57134), (12, 57152), (13, 57170), (14, 57191), (15, 57215), (16, 57221), (17, 57275), (18, 57278), (20, 57299), (21, 57317),

Gene: Galadriel_82 Start: 57181, Stop: 57495, Start Num: 5
Candidate Starts for Galadriel_82:
(1, 57115), (3, 57163), (Start: 5 @57181 has 6 MA's), (7, 57232), (9, 57259), (13, 57331), (14, 57352), (18, 57439),

Gene: Geodirt_81 Start: 57478, Stop: 57786, Start Num: 5
Candidate Starts for Geodirt_81:
(1, 57412), (3, 57460), (Start: 5 @57478 has 6 MA's), (7, 57529), (9, 57556), (13, 57628), (14, 57649), (15, 57673), (18, 57736), (20, 57757), (21, 57775),

Gene: Kamashten_82 Start: 57075, Stop: 57389, Start Num: 5
Candidate Starts for Kamashten_82:
(1, 57009), (3, 57057), (Start: 5 @57075 has 6 MA's), (7, 57126), (9, 57153), (13, 57225), (14, 57246), (18, 57333),

Gene: Kewpiedoll_82 Start: 57466, Stop: 57774, Start Num: 4
Candidate Starts for Kewpiedoll_82:
(2, 57427), (Start: 4 @57466 has 5 MA's), (7, 57517), (9, 57544), (13, 57616), (14, 57637), (15, 57661), (18, 57724), (20, 57745), (21, 57763),

Gene: Love_88 Start: 58109, Stop: 58414, Start Num: 6
Candidate Starts for Love_88:
(1, 58028), (3, 58076), (Start: 6 @58109 has 3 MA's), (7, 58160), (9, 58181), (10, 58214), (11, 58220), (12, 58238), (13, 58256), (14, 58277), (15, 58301), (16, 58307), (17, 58361), (18, 58364), (20, 58385), (21, 58403),

Gene: McCrothy_80 Start: 57805, Stop: 58119, Start Num: 5
Candidate Starts for McCrothy_80:
(1, 57739), (3, 57787), (Start: 5 @57805 has 6 MA's), (7, 57856), (9, 57883), (13, 57955), (14, 57976), (18, 58063),

Gene: MoontowerMania_82 Start: 57934, Stop: 58248, Start Num: 5
Candidate Starts for MoontowerMania_82:
(Start: 5 @57934 has 6 MA's), (7, 57985), (9, 58012), (13, 58084), (14, 58105), (18, 58192),

Gene: SchottB_80 Start: 56370, Stop: 56678, Start Num: 4
Candidate Starts for SchottB_80:
(Start: 4 @56370 has 5 MA's), (7, 56418), (9, 56445), (13, 56520), (14, 56541), (19, 56646), (21, 56667),

Gene: Thing3_82 Start: 57075, Stop: 57389, Start Num: 5
Candidate Starts for Thing3_82:
(1, 57009), (3, 57057), (Start: 5 @57075 has 6 MA's), (7, 57126), (9, 57153), (13, 57225), (14, 57246), (18, 57333),