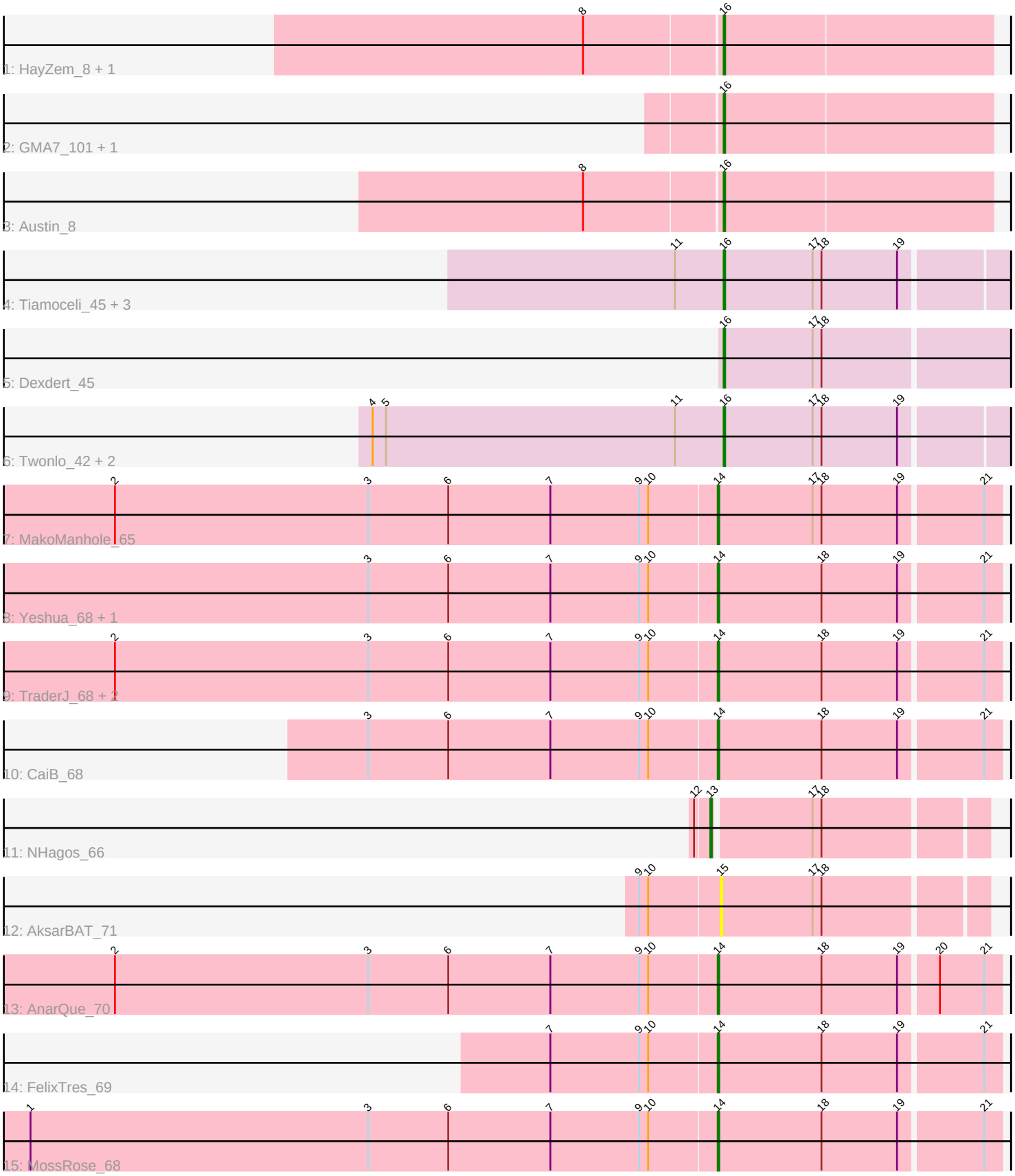
Pham 347962


1: HayZem_8 + 1
2: GMA7_101 + 1
3: Austin_8
4: Tiamoceli_45 + 3
5: Dexdert_45
6: Twonlo_42 + 2
7: MakoManhole_65
8: Yeshua_68 + 1
9: TraderJ_68 + 2
10: CaiB_68
11: NHagos_66
12: AksarBAT_71
13: AnarQue_70
14: FelixTres_69
15: MossRose_68

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 347962 Report

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

Pham number 347962 has 25 members, 6 are drafts.

Phages represented in each track:
• Track 1 : HayZem_8, GTE7_101
• Track 2 : GMA7_101, Amore2_8
• Track 3 : Austin_8
• Track 4 : Tiamoceli_45, Chickadee_44, Kwekel_44, GTE6_44
• Track 5 : Dexdert_45
• Track 6 : Twonlo_42, RoadKill_42, EdmundFerry_43
• Track 7 : MakoManhole_65
• Track 8 : Yeshua_68, Wooper_69
• Track 9 : TraderJ_68, CloverMinnie_67, Blackpen_67
• Track 10 : CaiB_68
• Track 11 : NHagos_66
• Track 12 : AksarBAT_71
• Track 13 : AnarQue_70
• Track 14 : FelixTres_69
• Track 15 : MossRose_68

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

The start number called the most often in the published annotations is 16, it was called in 10 of the 19 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Amore2_8, Austin_8, Chickadee_44, Dexdert_45, EdmundFerry_43, GMA7_101, GTE6_44, GTE7_101, HayZem_8, Kwekel_44, RoadKill_42, Tiamoceli_45, Twonlo_42,

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

Genes that do not have the "Most Annotated" start:
• AksarBAT_71, AnarQue_70, Blackpen_67, CaiB_68, CloverMinnie_67, FelixTres_69, MakoManhole_65, MossRose_68, NHagos_66, TraderJ_68, Wooper_69, Yeshua_68,

Summary by start number:

Start 13:
• Found in 1 of 25 (4.0%) of genes in pham
• Manual Annotations of this start: 1 of 19
• Called 100.0% of time when present
• Phage (with cluster) where this start called: NHagos_66 (DR),

Start 14:
• Found in 10 of 25 (40.0%) of genes in pham
• Manual Annotations of this start: 8 of 19
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AnarQue_70 (DR), Blackpen_67 (DR), CaiB_68 (DR), CloverMinnie_67 (DR), FelixTres_69 (DR), MakoManhole_65 (DR), MossRose_68 (DR), TraderJ_68 (DR), Wooper_69 (DR), Yeshua_68 (DR),

Start 15:
• Found in 1 of 25 (4.0%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AksarBAT_71 (DR),

Start 16:
• Found in 13 of 25 (52.0%) of genes in pham
• Manual Annotations of this start: 10 of 19
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Amore2_8 (CS1), Austin_8 (CS1), Chickadee_44 (DE3), Dexdert_45 (DE3), EdmundFerry_43 (DE3), GMA7_101 (CS1), GTE6_44 (DE3), GTE7_101 (CS1), HayZem_8 (CS1), Kwekel_44 (DE3), RoadKill_42 (DE3), Tiamoceli_45 (DE3), Twonlo_42 (DE3),

Summary by clusters:

There are 3 clusters represented in this pham: CS1, DE3, DR,

Info for manual annotations of cluster CS1:
•Start number 16 was manually annotated 3 times for cluster CS1.

Info for manual annotations of cluster DE3:
•Start number 16 was manually annotated 7 times for cluster DE3.

Info for manual annotations of cluster DR:
•Start number 13 was manually annotated 1 time for cluster DR.
•Start number 14 was manually annotated 8 times for cluster DR.

Gene Information:

Gene: AksarBAT_71 Start: 54187, Stop: 54357, Start Num: 15
Candidate Starts for AksarBAT_71:
(9, 54139), (10, 54145), (15, 54187), (17, 54247), (18, 54253),

Gene: Amore2_8 Start: 4912, Stop: 4733, Start Num: 16
Candidate Starts for Amore2_8:
(Start: 16 @4912 has 10 MA's),

Gene: AnarQue_70 Start: 54324, Stop: 54509, Start Num: 14
Candidate Starts for AnarQue_70:
(2, 53919), (3, 54090), (6, 54144), (7, 54213), (9, 54273), (10, 54279), (Start: 14 @54324 has 8 MA's), (18, 54393), (19, 54444), (20, 54468), (21, 54498),

Gene: Austin_8 Start: 4912, Stop: 4733, Start Num: 16
Candidate Starts for Austin_8:
(8, 5002), (Start: 16 @4912 has 10 MA's),

Gene: Blackpen_67 Start: 52778, Stop: 52963, Start Num: 14
Candidate Starts for Blackpen_67:
(2, 52373), (3, 52544), (6, 52598), (7, 52667), (9, 52727), (10, 52733), (Start: 14 @52778 has 8 MA's), (18, 52847), (19, 52898), (21, 52952),

Gene: CaiB_68 Start: 54123, Stop: 54308, Start Num: 14
Candidate Starts for CaiB_68:
(3, 53889), (6, 53943), (7, 54012), (9, 54072), (10, 54078), (Start: 14 @54123 has 8 MA's), (18, 54192), (19, 54243), (21, 54297),

Gene: Chickadee_44 Start: 37747, Stop: 37932, Start Num: 16
Candidate Starts for Chickadee_44:
(11, 37714), (Start: 16 @37747 has 10 MA's), (17, 37807), (18, 37813), (19, 37864),

Gene: CloverMinnie_67 Start: 53286, Stop: 53471, Start Num: 14
Candidate Starts for CloverMinnie_67:
(2, 52881), (3, 53052), (6, 53106), (7, 53175), (9, 53235), (10, 53241), (Start: 14 @53286 has 8 MA's), (18, 53355), (19, 53406), (21, 53460),

Gene: Dexdert_45 Start: 38009, Stop: 38197, Start Num: 16
Candidate Starts for Dexdert_45:
(Start: 16 @38009 has 10 MA's), (17, 38069), (18, 38075),

Gene: EdmundFerry_43 Start: 37788, Stop: 37973, Start Num: 16
Candidate Starts for EdmundFerry_43:
(4, 37551), (5, 37560), (11, 37755), (Start: 16 @37788 has 10 MA's), (17, 37848), (18, 37854), (19, 37905),

Gene: FelixTres_69 Start: 53578, Stop: 53763, Start Num: 14
Candidate Starts for FelixTres_69:
(7, 53467), (9, 53527), (10, 53533), (Start: 14 @53578 has 8 MA's), (18, 53647), (19, 53698), (21, 53752),

Gene: GMA7_101 Start: 72520, Stop: 72341, Start Num: 16
Candidate Starts for GMA7_101:
(Start: 16 @72520 has 10 MA's),

Gene: GTE6_44 Start: 38280, Stop: 38465, Start Num: 16
Candidate Starts for GTE6_44:
(11, 38247), (Start: 16 @38280 has 10 MA's), (17, 38340), (18, 38346), (19, 38397),

Gene: GTE7_101 Start: 73517, Stop: 73338, Start Num: 16
Candidate Starts for GTE7_101:
(8, 73607), (Start: 16 @73517 has 10 MA's),

Gene: HayZem_8 Start: 4912, Stop: 4733, Start Num: 16
Candidate Starts for HayZem_8:
(8, 5002), (Start: 16 @4912 has 10 MA's),

Gene: Kwekel_44 Start: 37708, Stop: 37893, Start Num: 16
Candidate Starts for Kwekel_44:
(11, 37675), (Start: 16 @37708 has 10 MA's), (17, 37768), (18, 37774), (19, 37825),

Gene: MakoManhole_65 Start: 52626, Stop: 52811, Start Num: 14
Candidate Starts for MakoManhole_65:
(2, 52221), (3, 52392), (6, 52446), (7, 52515), (9, 52575), (10, 52581), (Start: 14 @52626 has 8 MA's), (17, 52689), (18, 52695), (19, 52746), (21, 52800),

Gene: MossRose_68 Start: 53586, Stop: 53771, Start Num: 14
Candidate Starts for MossRose_68:
(1, 53124), (3, 53352), (6, 53406), (7, 53475), (9, 53535), (10, 53541), (Start: 14 @53586 has 8 MA's), (18, 53655), (19, 53706), (21, 53760),

Gene: NHagos_66 Start: 52194, Stop: 52367, Start Num: 13
Candidate Starts for NHagos_66:
(12, 52185), (Start: 13 @52194 has 1 MA's), (17, 52257), (18, 52263),

Gene: RoadKill_42 Start: 37283, Stop: 37468, Start Num: 16
Candidate Starts for RoadKill_42:
(4, 37046), (5, 37055), (11, 37250), (Start: 16 @37283 has 10 MA's), (17, 37343), (18, 37349), (19, 37400),

Gene: Tiamoceli_45 Start: 38604, Stop: 38789, Start Num: 16
Candidate Starts for Tiamoceli_45:
(11, 38571), (Start: 16 @38604 has 10 MA's), (17, 38664), (18, 38670), (19, 38721),

Gene: TraderJ_68 Start: 53712, Stop: 53897, Start Num: 14
Candidate Starts for TraderJ_68:
(2, 53307), (3, 53478), (6, 53532), (7, 53601), (9, 53661), (10, 53667), (Start: 14 @53712 has 8 MA's), (18, 53781), (19, 53832), (21, 53886),

Gene: Twonlo_42 Start: 37234, Stop: 37419, Start Num: 16
Candidate Starts for Twonlo_42:
(4, 36997), (5, 37006), (11, 37201), (Start: 16 @37234 has 10 MA's), (17, 37294), (18, 37300), (19, 37351),

Gene: Wooper_69 Start: 53657, Stop: 53842, Start Num: 14
Candidate Starts for Wooper_69:
(3, 53423), (6, 53477), (7, 53546), (9, 53606), (10, 53612), (Start: 14 @53657 has 8 MA's), (18, 53726), (19, 53777), (21, 53831),

Gene: Yeshua_68 Start: 53634, Stop: 53819, Start Num: 14
Candidate Starts for Yeshua_68:

(3, 53400), (6, 53454), (7, 53523), (9, 53583), (10, 53589), (Start: 14 @53634 has 8 MA's), (18, 53703), (19, 53754), (21, 53808),