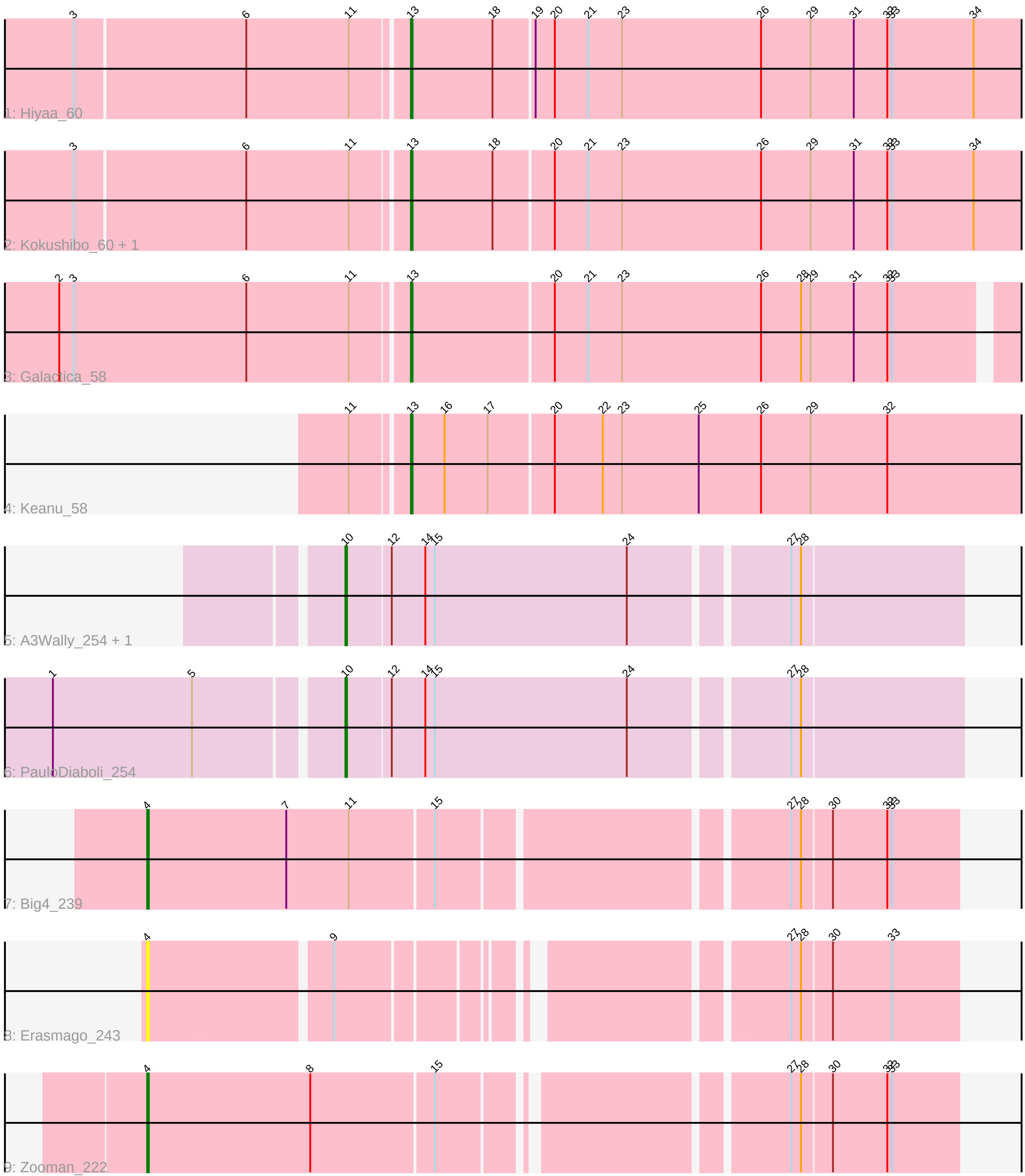
Pham 329635


1: Hiyaa_60
2: Kokushibo_60 + 1
3: Galactica_58
4: Keanu_58
5: A3Wally_254 + 1
6: PauloDiaboli_254
7: Big4_239
8: Erasmago_243
9: Zooman_222

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 329635 Report

This analysis was run 09/05/26 on database version 662.

Pham number 329635 has 11 members, 1 are drafts.

Phages represented in each track:
- Track 1 : Hiyaa_60
- Track 2 : Kokushibo_60, Spocter_59
- Track 3 : Galactica_58
- Track 4 : Keanu_58
- Track 5 : A3Wally_254, Dodo_249
- Track 6 : PauloDiaboli_254
- Track 7 : Big4_239
- Track 8 : Erasmago_243
- Track 9 : Zooman_222

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

The start number called the most often in the published annotations is 13, it was called in 5 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
- Galactica_58, Hiyaa_60, Keanu_58, Kokushibo_60, Spocter_59,

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

Genes that do not have the "Most Annotated" start:
- A3Wally_254, Big4_239, Dodo_249, Erasmago_243, PauloDiaboli_254, Zooman_222,

Summary by start number:

Start 4:
- Found in 3 of 11 (27.3%) of genes in pham
- Manual Annotations of this start: 2 of 10
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Big4_239 (GD2), Erasmago_243 (GD2), Zooman_222 (GD2),

Start 10:
• 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: A3Wally_254 (GD1), Dodo_249 (GD1), PauloDiaboli_254 (GD1),

Start 13:
• Found in 5 of 11 (45.5%) of genes in pham
• Manual Annotations of this start: 5 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Galactica_58 (BQ), Hiyaa_60 (BQ), Keanu_58 (BQ), Kokushibo_60 (BQ), Spocter_59 (BQ),

Summary by clusters:

There are 3 clusters represented in this pham: GD1, GD2, BQ,

Info for manual annotations of cluster BQ:
•Start number 13 was manually annotated 5 times for cluster BQ.

Info for manual annotations of cluster GD1:
•Start number 10 was manually annotated 3 times for cluster GD1.

Info for manual annotations of cluster GD2:
•Start number 4 was manually annotated 2 times for cluster GD2.

Gene Information:

Gene: A3Wally_254 Start: 142434, Stop: 142802, Start Num: 10
Candidate Starts for A3Wally_254:
(Start: 10 @142434 has 3 MA's), (12, 142461), (14, 142482), (15, 142488), (24, 142608), (27, 142698), (28, 142704),

Gene: Big4_239 Start: 138217, Stop: 138696, Start Num: 4
Candidate Starts for Big4_239:
(Start: 4 @138217 has 2 MA's), (7, 138304), (11, 138343), (15, 138394), (27, 138595), (28, 138601), (30, 138619), (32, 138652), (33, 138655),

Gene: Dodo_249 Start: 142121, Stop: 142489, Start Num: 10
Candidate Starts for Dodo_249:
(Start: 10 @142121 has 3 MA's), (12, 142148), (14, 142169), (15, 142175), (24, 142295), (27, 142385), (28, 142391),

Gene: Erasmago_243 Start: 136724, Stop: 137173, Start Num: 4
Candidate Starts for Erasmago_243:
(Start: 4 @136724 has 2 MA's), (9, 136832), (27, 137072), (28, 137078), (30, 137096), (33, 137132),

Gene: Galactica_58 Start: 44110, Stop: 44505, Start Num: 13
Candidate Starts for Galactica_58:

(2, 43897), (3, 43906), (6, 44014), (11, 44077), (Start: 13 @44110 has 5 MA's), (20, 44197), (21, 44218), (23, 44239), (26, 44326), (28, 44350), (29, 44356), (31, 44383), (32, 44404), (33, 44407),

Gene: Hiyaa_60 Start: 45685, Stop: 46092, Start Num: 13
Candidate Starts for Hiyaa_60:
(3, 45484), (6, 45589), (11, 45652), (Start: 13 @45685 has 5 MA's), (18, 45736), (19, 45760), (20, 45772), (21, 45793), (23, 45814), (26, 45901), (29, 45931), (31, 45958), (32, 45979), (33, 45982), (34, 46033),

Gene: Keanu_58 Start: 45120, Stop: 45527, Start Num: 13
Candidate Starts for Keanu_58:
(11, 45087), (Start: 13 @45120 has 5 MA's), (16, 45141), (17, 45168), (20, 45207), (22, 45237), (23, 45249), (25, 45297), (26, 45336), (29, 45366), (32, 45414),

Gene: Kokushibo_60 Start: 45742, Stop: 46149, Start Num: 13
Candidate Starts for Kokushibo_60:
(3, 45541), (6, 45646), (11, 45709), (Start: 13 @45742 has 5 MA's), (18, 45793), (20, 45829), (21, 45850), (23, 45871), (26, 45958), (29, 45988), (31, 46015), (32, 46036), (33, 46039), (34, 46090),

Gene: PauloDiaboli_254 Start: 139636, Stop: 140004, Start Num: 10
Candidate Starts for PauloDiaboli_254:
(1, 139465), (5, 139552), (Start: 10 @139636 has 3 MA's), (12, 139663), (14, 139684), (15, 139690), (24, 139810), (27, 139900), (28, 139906),

Gene: Spocter_59 Start: 45726, Stop: 46133, Start Num: 13
Candidate Starts for Spocter_59:
(3, 45525), (6, 45630), (11, 45693), (Start: 13 @45726 has 5 MA's), (18, 45777), (20, 45813), (21, 45834), (23, 45855), (26, 45942), (29, 45972), (31, 45999), (32, 46020), (33, 46023), (34, 46074),

Gene: Zooman_222 Start: 136804, Stop: 137274, Start Num: 4
Candidate Starts for Zooman_222:
(Start: 4 @136804 has 2 MA's), (8, 136906), (15, 136981), (27, 137173), (28, 137179), (30, 137197), (32, 137230), (33, 137233),