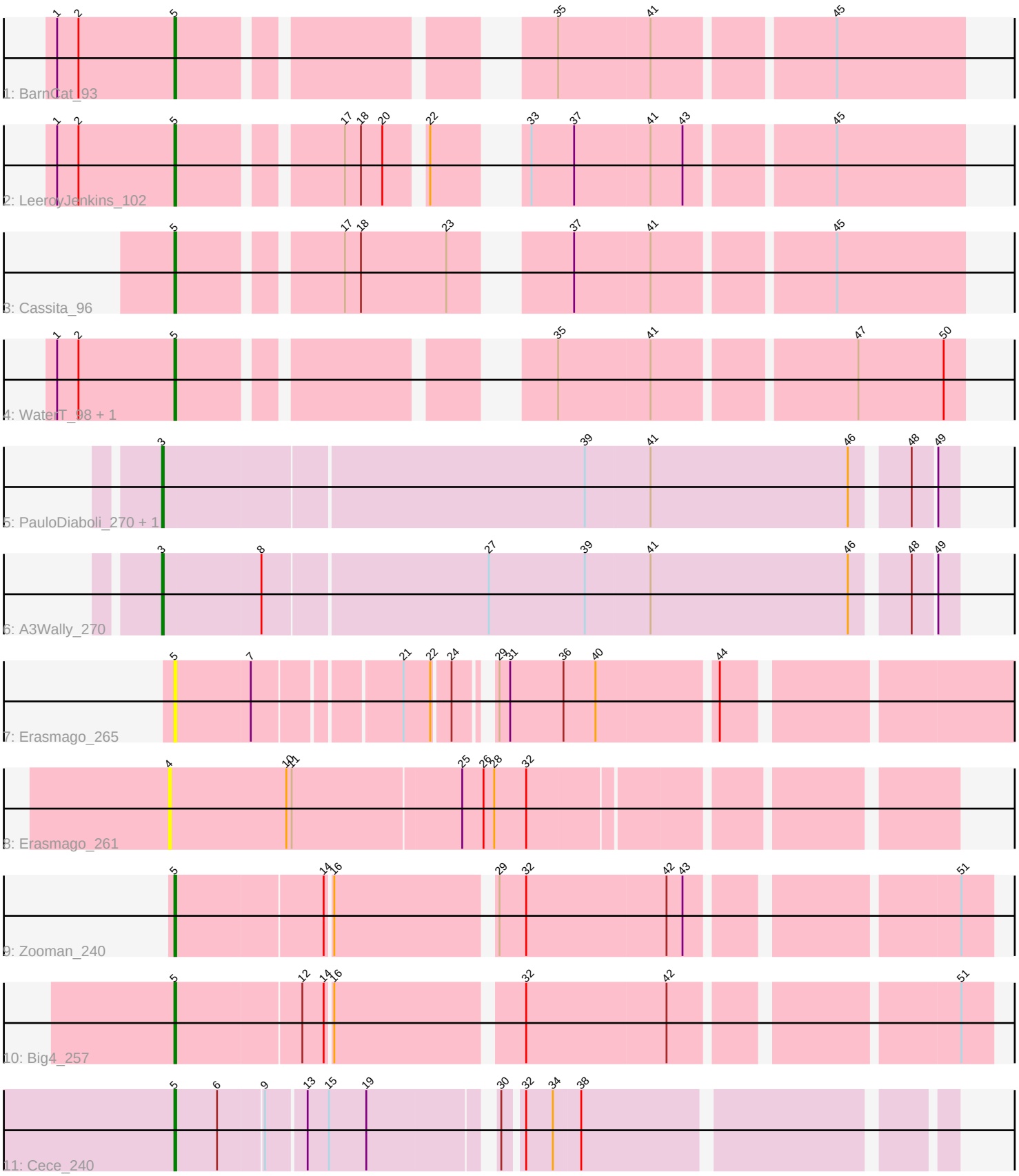
Pham 305429


1: BarnCat_193
2: LeeroyJenkins_102
3: Cassita_96
4: WaterT_98 + 1
5: PauloDiaboli_270 + 1
6: A3Wally_270
7: Erasmago_265
8: Erasmago_261
9: Zooman_240
10: Big4_257
11: Cece_240

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 305429 Report

This analysis was run 06/08/26 on database version 649.

Pham number 305429 has 13 members, 2 are drafts.

Phages represented in each track:
• Track 1 : BarnCat_93
• Track 2 : LeeroyJenkins_102
• Track 3 : Cassita_96
• Track 4 : WaterT_98, Lifes_94
• Track 5 : PauloDiaboli_270, Dodo_265
• Track 6 : A3Wally_270
• Track 7 : Erasmago_265
• Track 8 : Erasmago_261
• Track 9 : Zooman_240
• Track 10 : Big4_257
• Track 11 : Cece_240

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 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BarnCat_93, Big4_257, Cassita_96, Cece_240, Erasmago_265, LeeroyJenkins_102, Lifes_94, WaterT_98, Zooman_240,

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

Genes that do not have the "Most Annotated" start:
• A3Wally_270, Dodo_265, Erasmago_261, PauloDiaboli_270,

Summary by start number:

Start 3:
• Found in 3 of 13 (23.1%) of genes in pham
• Manual Annotations of this start: 3 of 11
• Called 100.0% of time when present

• Phage (with cluster) where this start called: A3Wally_270 (GD1), Dodo_265 (GD1), PauloDiaboli_270 (GD1),

Start 4:
• Found in 1 of 13 (7.7%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Erasmago_261 (GD2),

Start 5:
• Found in 9 of 13 (69.2%) of genes in pham
• Manual Annotations of this start: 8 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BarnCat_93 (GB), Big4_257 (GD2), Cassita_96 (GB), Cece_240 (GD3), Erasmago_265 (GD2), LeeroyJenkins_102 (GB), Lifes_94 (GB), WaterT_98 (GB), Zooman_240 (GD2),

Summary by clusters:

There are 4 clusters represented in this pham: GD1, GD2, GD3, GB,

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

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

Info for manual annotations of cluster GD2:
•Start number 5 was manually annotated 2 times for cluster GD2.

Info for manual annotations of cluster GD3:
•Start number 5 was manually annotated 1 time for cluster GD3.

Gene Information:

Gene: A3Wally_270 Start: 148054, Stop: 148482, Start Num: 3
Candidate Starts for A3Wally_270:
(Start: 3 @148054 has 3 MA's), (8, 148108), (27, 148231), (39, 148285), (41, 148321), (46, 148432), (48, 148459), (49, 148471),

Gene: BarnCat_93 Start: 51338, Stop: 50955, Start Num: 5
Candidate Starts for BarnCat_93:
(1, 51404), (2, 51392), (Start: 5 @51338 has 8 MA's), (35, 51170), (41, 51119), (45, 51026),

Gene: Big4_257 Start: 146896, Stop: 147318, Start Num: 5
Candidate Starts for Big4_257:
(Start: 5 @146896 has 8 MA's), (12, 146965), (14, 146977), (16, 146980), (32, 147079), (42, 147157), (51, 147301),

Gene: Cassita_96 Start: 52186, Stop: 51794, Start Num: 5
Candidate Starts for Cassita_96:

(Start: 5 @52186 has 8 MA's), (17, 52105), (18, 52096), (23, 52048), (37, 52000), (41, 51958), (45, 51865),

Gene: Cece_240 Start: 143936, Stop: 144328, Start Num: 5
Candidate Starts for Cece_240:
(Start: 5 @143936 has 8 MA's), (6, 143960), (9, 143984), (13, 144005), (15, 144017), (19, 144038), (30, 144101), (32, 144110), (34, 144125), (38, 144140),

Gene: Dodo_265 Start: 147738, Stop: 148166, Start Num: 3
Candidate Starts for Dodo_265:
(Start: 3 @147738 has 3 MA's), (39, 147969), (41, 148005), (46, 148116), (48, 148143), (49, 148155),

Gene: Erasmago_265 Start: 147639, Stop: 148061, Start Num: 5
Candidate Starts for Erasmago_265:
(Start: 5 @147639 has 8 MA's), (7, 147681), (21, 147756), (22, 147771), (24, 147780), (29, 147795), (31, 147801), (36, 147831), (40, 147849), (44, 147912),

Gene: Erasmago_261 Start: 145389, Stop: 145802, Start Num: 4
Candidate Starts for Erasmago_261:
(4, 145389), (10, 145455), (11, 145458), (25, 145551), (26, 145563), (28, 145569), (32, 145587),

Gene: LeeroyJenkins_102 Start: 53214, Stop: 52831, Start Num: 5
Candidate Starts for LeeroyJenkins_102:
(1, 53280), (2, 53268), (Start: 5 @53214 has 8 MA's), (17, 53133), (18, 53124), (20, 53112), (22, 53094), (33, 53061), (37, 53037), (41, 52995), (43, 52977), (45, 52902),

Gene: Lifes_94 Start: 50208, Stop: 49825, Start Num: 5
Candidate Starts for Lifes_94:
(1, 50274), (2, 50262), (Start: 5 @50208 has 8 MA's), (35, 50040), (41, 49989), (47, 49884), (50, 49836),

Gene: PauloDiaboli_270 Start: 145253, Stop: 145681, Start Num: 3
Candidate Starts for PauloDiaboli_270:
(Start: 3 @145253 has 3 MA's), (39, 145484), (41, 145520), (46, 145631), (48, 145658), (49, 145670),

Gene: WaterT_98 Start: 52153, Stop: 51770, Start Num: 5
Candidate Starts for WaterT_98:
(1, 52219), (2, 52207), (Start: 5 @52153 has 8 MA's), (35, 51985), (41, 51934), (47, 51829), (50, 51781),

Gene: Zooman_240 Start: 145582, Stop: 146004, Start Num: 5
Candidate Starts for Zooman_240:
(Start: 5 @145582 has 8 MA's), (14, 145663), (16, 145666), (29, 145750), (32, 145765), (42, 145843), (43, 145852), (51, 145987),