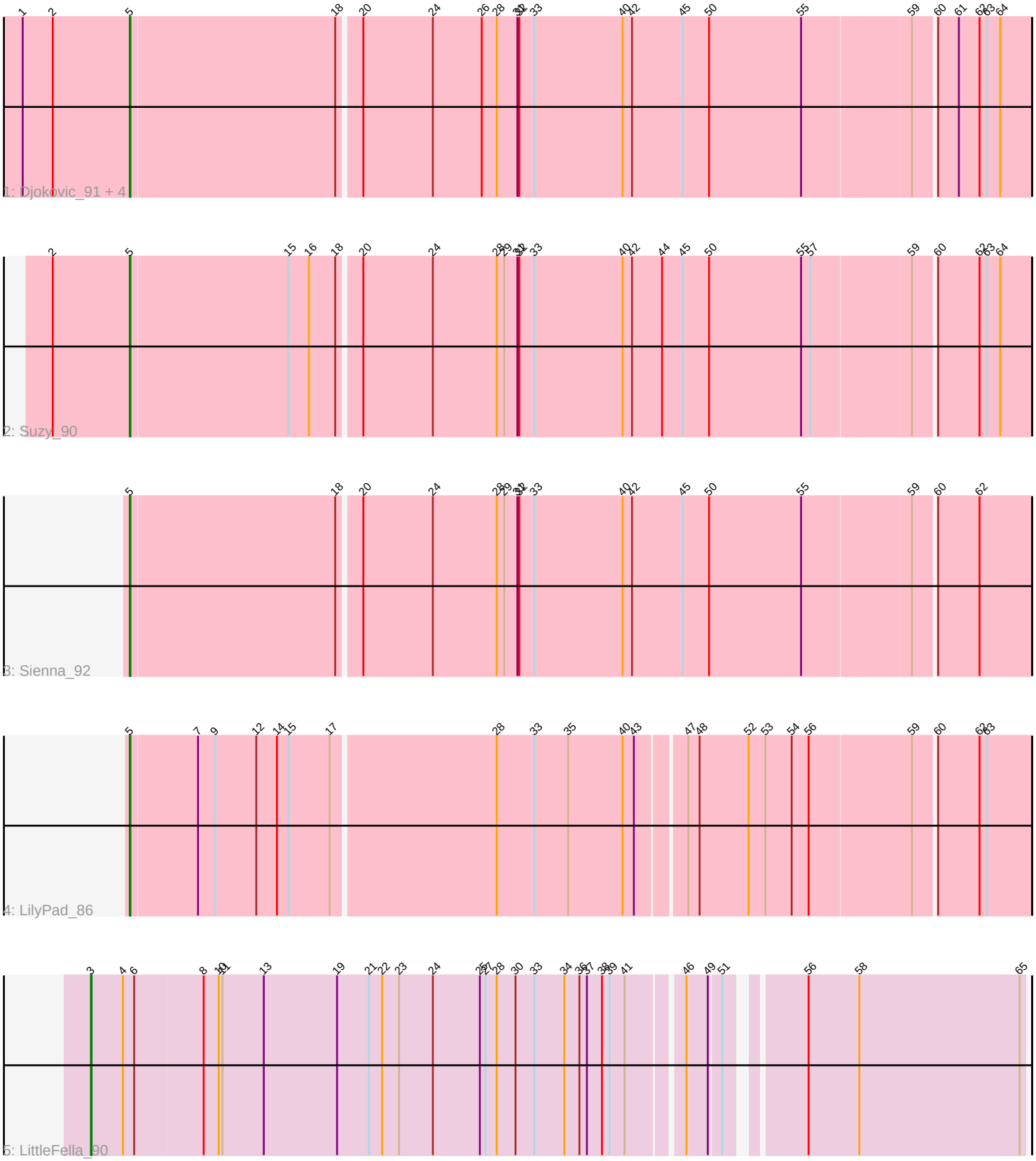
Pham 87702


1: Djokovic_91 + 4
2: Suzy_90
3: Sienna_92
4: LilyPad_86
5: LittleFella_90

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 87702 Report

This analysis was run 04/28/24 on database version 559.

Pham number 87702 has 9 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Djokovic_91, BiteSize_91, Beyoncage_91, Madi_90, Terapin_92
• Track 2 : Suzy_90
• Track 3 : Sienna_92
• Track 4 : LilyPad_86
• Track 5 : LittleFella_90

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 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Beyoncage_91, BiteSize_91, Djokovic_91, LilyPad_86, Madi_90, Sienna_92, Suzy_90, Terapin_92,

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

Genes that do not have the "Most Annotated" start:
• LittleFella_90,

Summary by start number:

Start 3:
• Found in 1 of 9 (11.1%) of genes in pham
• Manual Annotations of this start: 1 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: LittleFella_90 (DG2),

Start 5:
• Found in 8 of 9 (88.9%) of genes in pham
• Manual Annotations of this start: 8 of 9
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Beyoncage_91 (DG1), BiteSize_91 (DG1), Djokovic_91 (DG1), LilyPad_86 (DG1), Madi_90 (DG1), Sienna_92 (DG1), Suzy_90 (DG1), Terapin_92 (DG1),

Summary by clusters:

There are 2 clusters represented in this pham: DG2, DG1,

Info for manual annotations of cluster DG1:
•Start number 5 was manually annotated 8 times for cluster DG1.

Info for manual annotations of cluster DG2:
•Start number 3 was manually annotated 1 time for cluster DG2.

Gene Information:

Gene: Beyoncage_91 Start: 63181, Stop: 64578, Start Num: 5
Candidate Starts for Beyoncage_91:
(1, 63010), (2, 63058), (Start: 5 @63181 has 8 MA's), (18, 63505), (20, 63538), (24, 63649), (26, 63727), (28, 63751), (31, 63784), (32, 63787), (33, 63811), (40, 63952), (42, 63967), (45, 64048), (50, 64090), (55, 64237), (59, 64402), (60, 64435), (61, 64468), (62, 64501), (63, 64513), (64, 64534),

Gene: BiteSize_91 Start: 63267, Stop: 64664, Start Num: 5
Candidate Starts for BiteSize_91:
(1, 63096), (2, 63144), (Start: 5 @63267 has 8 MA's), (18, 63591), (20, 63624), (24, 63735), (26, 63813), (28, 63837), (31, 63870), (32, 63873), (33, 63897), (40, 64038), (42, 64053), (45, 64134), (50, 64176), (55, 64323), (59, 64488), (60, 64521), (61, 64554), (62, 64587), (63, 64599), (64, 64620),

Gene: Djokovic_91 Start: 63180, Stop: 64577, Start Num: 5
Candidate Starts for Djokovic_91:
(1, 63009), (2, 63057), (Start: 5 @63180 has 8 MA's), (18, 63504), (20, 63537), (24, 63648), (26, 63726), (28, 63750), (31, 63783), (32, 63786), (33, 63810), (40, 63951), (42, 63966), (45, 64047), (50, 64089), (55, 64236), (59, 64401), (60, 64434), (61, 64467), (62, 64500), (63, 64512), (64, 64533),

Gene: LilyPad_86 Start: 61089, Stop: 62477, Start Num: 5
Candidate Starts for LilyPad_86:
(Start: 5 @61089 has 8 MA's), (7, 61194), (9, 61221), (12, 61287), (14, 61320), (15, 61338), (17, 61404), (28, 61659), (33, 61719), (35, 61773), (40, 61860), (43, 61878), (47, 61950), (48, 61968), (52, 62046), (53, 62070), (54, 62112), (56, 62139), (59, 62295), (60, 62328), (62, 62394), (63, 62406),

Gene: LittleFella_90 Start: 61799, Stop: 63223, Start Num: 3
Candidate Starts for LittleFella_90:
(Start: 3 @61799 has 1 MA's), (4, 61850), (6, 61868), (8, 61976), (10, 62000), (11, 62006), (13, 62072), (19, 62189), (21, 62240), (22, 62261), (23, 62288), (24, 62342), (25, 62417), (27, 62426), (28, 62444), (30, 62474), (33, 62504), (34, 62552), (36, 62576), (37, 62588), (38, 62612), (39, 62624), (41, 62648), (46, 62729), (49, 62759), (51, 62777), (56, 62879), (58, 62960), (65, 63215),

Gene: Madi_90 Start: 63011, Stop: 64408, Start Num: 5
Candidate Starts for Madi_90:
(1, 62840), (2, 62888), (Start: 5 @63011 has 8 MA's), (18, 63335), (20, 63368), (24, 63479), (26, 63557), (28, 63581), (31, 63614), (32, 63617), (33, 63641), (40, 63782), (42, 63797), (45, 63878), (50,

63920), (55, 64067), (59, 64232), (60, 64265), (61, 64298), (62, 64331), (63, 64343), (64, 64364),

Gene: Sienna_92 Start: 63410, Stop: 64807, Start Num: 5
Candidate Starts for Sienna_92:
(Start: 5 @63410 has 8 MA's), (18, 63734), (20, 63767), (24, 63878), (28, 63980), (29, 63992), (31, 64013), (32, 64016), (33, 64040), (40, 64181), (42, 64196), (45, 64277), (50, 64319), (55, 64466), (59, 64631), (60, 64664), (62, 64730),

Gene: Suzy_90 Start: 63680, Stop: 65074, Start Num: 5
Candidate Starts for Suzy_90:
(2, 63557), (Start: 5 @63680 has 8 MA's), (15, 63929), (16, 63962), (18, 64004), (20, 64037), (24, 64148), (28, 64250), (29, 64262), (31, 64283), (32, 64286), (33, 64310), (40, 64451), (42, 64466), (44, 64514), (45, 64547), (50, 64589), (55, 64733), (57, 64748), (59, 64898), (60, 64931), (62, 64997), (63, 65009), (64, 65030),

Gene: Terapin_92 Start: 63182, Stop: 64579, Start Num: 5
Candidate Starts for Terapin_92:
(1, 63011), (2, 63059), (Start: 5 @63182 has 8 MA's), (18, 63506), (20, 63539), (24, 63650), (26, 63728), (28, 63752), (31, 63785), (32, 63788), (33, 63812), (40, 63953), (42, 63968), (45, 64049), (50, 64091), (55, 64238), (59, 64403), (60, 64436), (61, 64469), (62, 64502), (63, 64514), (64, 64535),