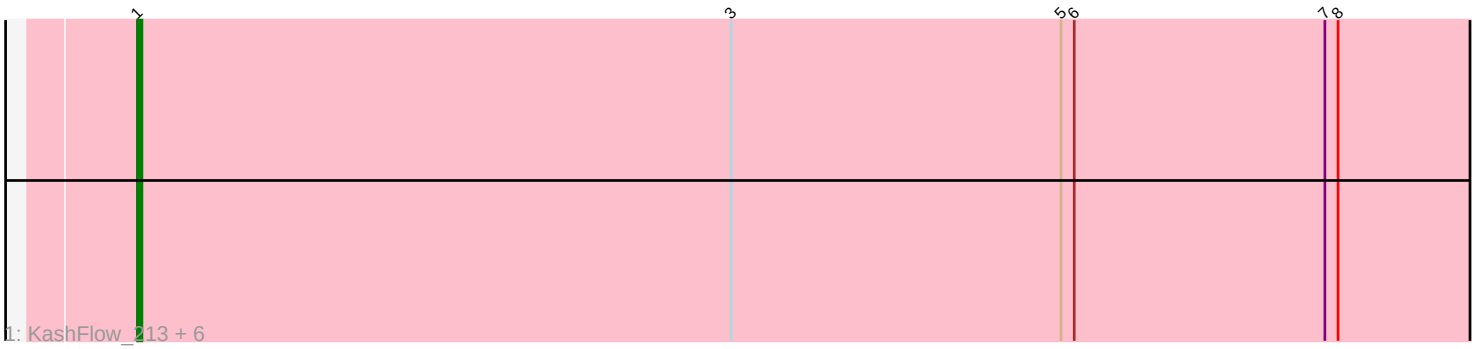
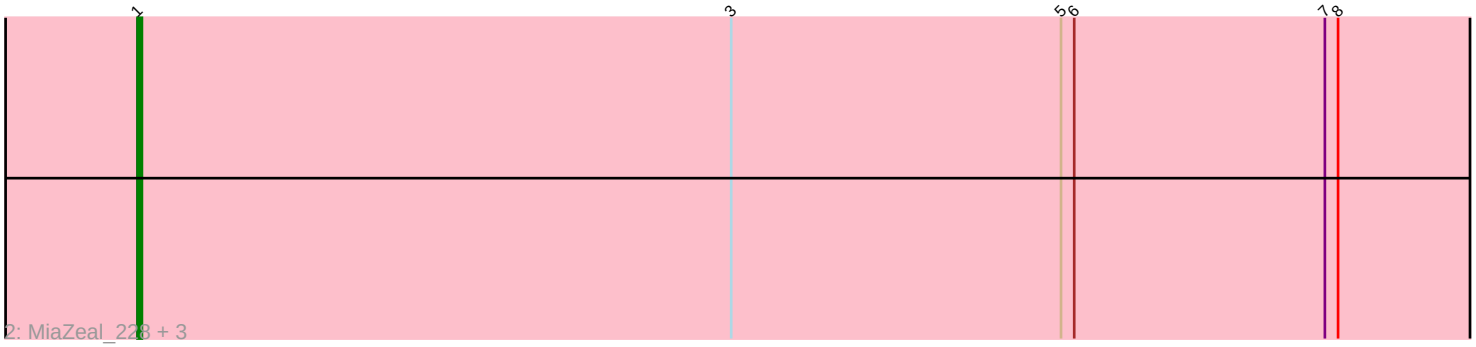
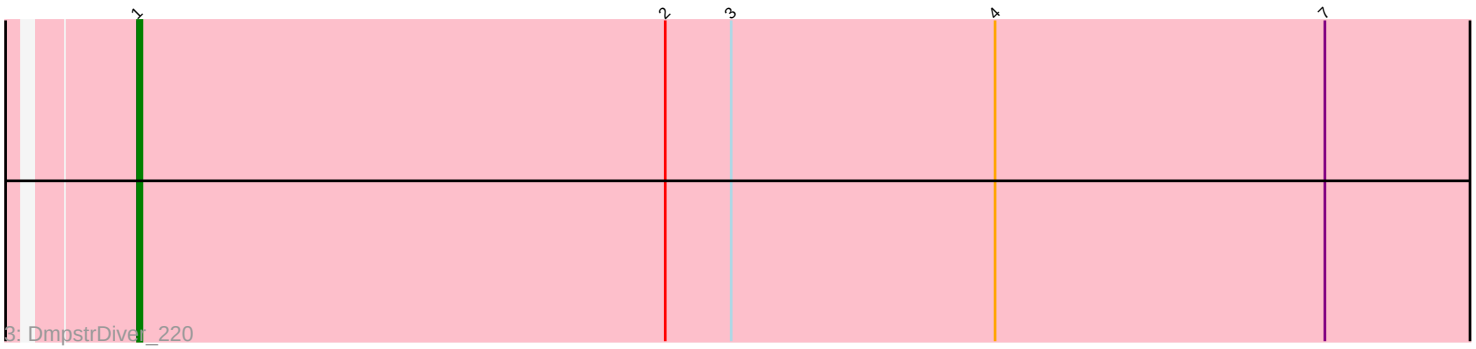
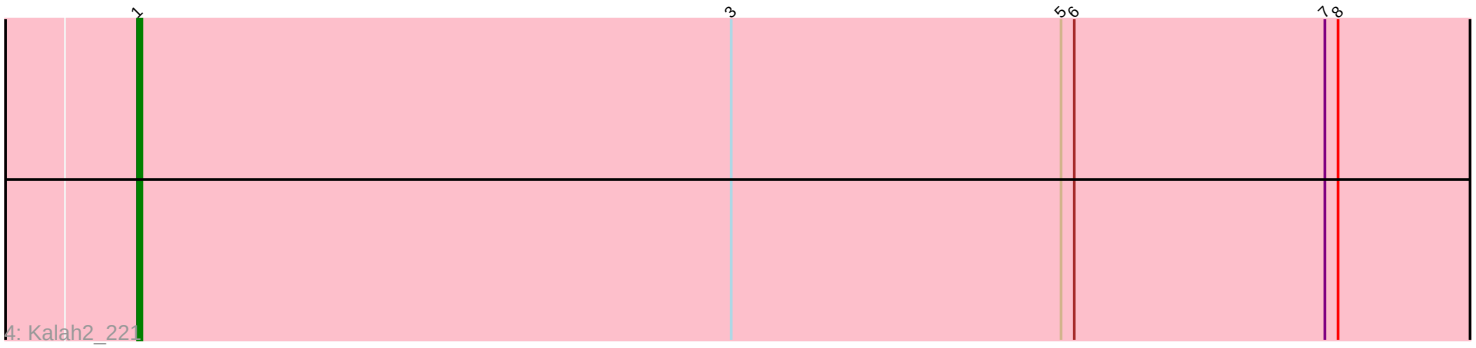
Pham 170454


1
3
5
6
7
8
1: KashFlow_213 + 6


1
3
5
6
7
8
2: MiaZeal_228 + 3


1
2
3
4
7
3: DmpstrDiver_220


1
3
5
6
7
8
4: Kalah2_221

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 170454 Report

This analysis was run 07/09/24 on database version 566.

Pham number 170454 has 13 members, 1 are drafts.

Phages represented in each track:
• Track 1 : KashFlow_213, Minerva_218, Odette_222, Duke13_223, Pound_210, Hannaconda_212, Schatzie_212
• Track 2 : MiaZeal_228, ThreeRngTarjay_220, Lucky2013_216, Porcelain_219
• Track 3 : DmpstrDiver_220
• Track 4 : Kalah2_221

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

The start number called the most often in the published annotations is 1, it was called in 12 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• DmpstrDiver_220, Duke13_223, Hannaconda_212, Kalah2_221, KashFlow_213, Lucky2013_216, MiaZeal_228, Minerva_218, Odette_222, Porcelain_219, Pound_210, Schatzie_212, ThreeRngTarjay_220,

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

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

Summary by start number:

Start 1:
• Found in 13 of 13 (100.0%) of genes in pham
• Manual Annotations of this start: 12 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: DmpstrDiver_220 (J), Duke13_223 (J), Hannaconda_212 (J), Kalah2_221 (J), KashFlow_213 (J), Lucky2013_216 (J), MiaZeal_228 (J), Minerva_218 (J), Odette_222 (J), Porcelain_219 (J), Pound_210 (J), Schatzie_212 (J), ThreeRngTarjay_220 (J),

Summary by clusters:

There is one cluster represented in this pham: J

Info for manual annotations of cluster J:
•Start number 1 was manually annotated 12 times for cluster J.

Gene Information:

Gene: DmpstrDiver_220 Start: 105699, Stop: 105373, Start Num: 1
Candidate Starts for DmpstrDiver_220:
(Start: 1 @105699 has 12 MA's), (2, 105579), (3, 105564), (4, 105504), (7, 105429),

Gene: Duke13_223 Start: 106493, Stop: 106167, Start Num: 1
Candidate Starts for Duke13_223:
(Start: 1 @106493 has 12 MA's), (3, 106358), (5, 106283), (6, 106280), (7, 106223), (8, 106220),

Gene: Hannaconda_212 Start: 105480, Stop: 105154, Start Num: 1
Candidate Starts for Hannaconda_212:
(Start: 1 @105480 has 12 MA's), (3, 105345), (5, 105270), (6, 105267), (7, 105210), (8, 105207),

Gene: Kalah2_221 Start: 107782, Stop: 107456, Start Num: 1
Candidate Starts for Kalah2_221:
(Start: 1 @107782 has 12 MA's), (3, 107647), (5, 107572), (6, 107569), (7, 107512), (8, 107509),

Gene: KashFlow_213 Start: 105374, Stop: 105048, Start Num: 1
Candidate Starts for KashFlow_213:
(Start: 1 @105374 has 12 MA's), (3, 105239), (5, 105164), (6, 105161), (7, 105104), (8, 105101),

Gene: Lucky2013_216 Start: 102433, Stop: 102107, Start Num: 1
Candidate Starts for Lucky2013_216:
(Start: 1 @102433 has 12 MA's), (3, 102298), (5, 102223), (6, 102220), (7, 102163), (8, 102160),

Gene: MiaZeal_228 Start: 104572, Stop: 104246, Start Num: 1
Candidate Starts for MiaZeal_228:
(Start: 1 @104572 has 12 MA's), (3, 104437), (5, 104362), (6, 104359), (7, 104302), (8, 104299),

Gene: Minerva_218 Start: 104286, Stop: 103960, Start Num: 1
Candidate Starts for Minerva_218:
(Start: 1 @104286 has 12 MA's), (3, 104151), (5, 104076), (6, 104073), (7, 104016), (8, 104013),

Gene: Odette_222 Start: 107131, Stop: 106805, Start Num: 1
Candidate Starts for Odette_222:
(Start: 1 @107131 has 12 MA's), (3, 106996), (5, 106921), (6, 106918), (7, 106861), (8, 106858),

Gene: Porcelain_219 Start: 103380, Stop: 103054, Start Num: 1
Candidate Starts for Porcelain_219:
(Start: 1 @103380 has 12 MA's), (3, 103245), (5, 103170), (6, 103167), (7, 103110), (8, 103107),

Gene: Pound_210 Start: 104474, Stop: 104148, Start Num: 1
Candidate Starts for Pound_210:
(Start: 1 @104474 has 12 MA's), (3, 104339), (5, 104264), (6, 104261), (7, 104204), (8, 104201),

Gene: Schatzie_212 Start: 105010, Stop: 104684, Start Num: 1
Candidate Starts for Schatzie_212:
(Start: 1 @105010 has 12 MA's), (3, 104875), (5, 104800), (6, 104797), (7, 104740), (8, 104737),

Gene: ThreeRngTarjay_220 Start: 107485, Stop: 107159, Start Num: 1
Candidate Starts for ThreeRngTarjay_220:
(Start: 1 @107485 has 12 MA's), (3, 107350), (5, 107275), (6, 107272), (7, 107215), (8, 107212),