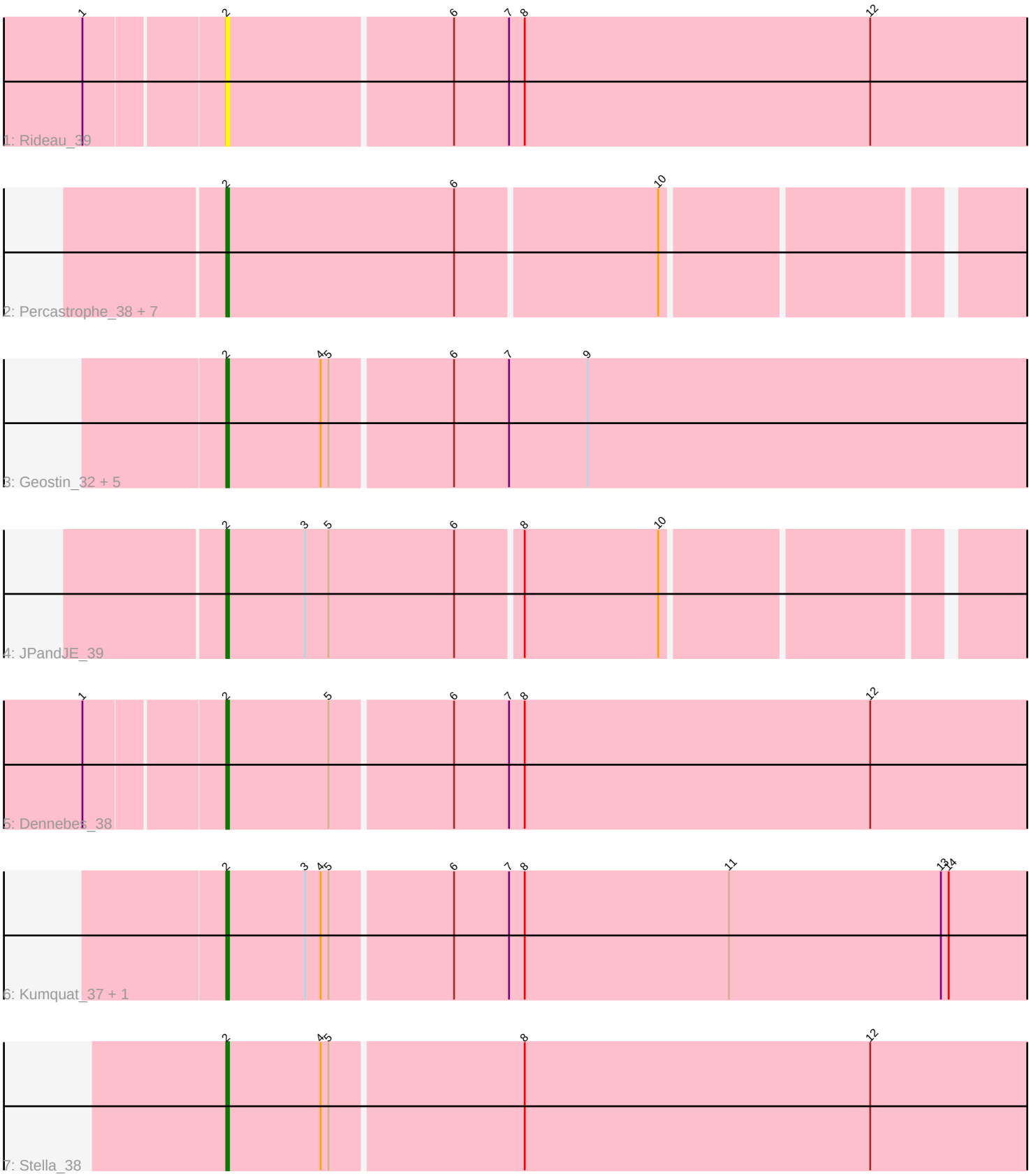
Pham 86801


1
2
6
7
8
12
1: Rideau_39
2
6
10
2: Percastrophe_38 + 7
2
4
5
6
7
9
3: Geostin_32 + 5
2
3
5
6
8
10
4: JPandJE_39
1
2
5
6
7
8
12
5: Dennebes_38
2
3
4
5
6
7
8
11
13
14
6: Kumquat_37 + 1
2
4
5
8
12
7: Stella_38

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 86801 Report

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

Pham number 86801 has 20 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Rideau_39
• Track 2 : Percastrophe_38, Olicious_38, Treat_38, ZooBear_38, HaugeAnator_38, Immanuel3_38, Romero_38, ToriToki_38
• Track 3 : Geostin_32, Vorvolakos_37, FlowerPower_37, Gremlin23_37, Fabian_34, RetrieverFever_37
• Track 4 : JPandJE_39
• Track 5 : Dennebes_38
• Track 6 : Kumquat_37, Zeigle_37
• Track 7 : Stella_38

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

The start number called the most often in the published annotations is 2, it was called in 18 of the 18 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Dennebes_38, Fabian_34, FlowerPower_37, Geostin_32, Gremlin23_37, HaugeAnator_38, Immanuel3_38, JPandJE_39, Kumquat_37, Olicious_38, Percastrophe_38, RetrieverFever_37, Rideau_39, Romero_38, Stella_38, ToriToki_38, Treat_38, Vorvolakos_37, Zeigle_37, ZooBear_38,

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 2:
• Found in 20 of 20 (100.0%) of genes in pham
• Manual Annotations of this start: 18 of 18
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Dennebes_38 (BF), Fabian_34 (BF), FlowerPower_37 (BF), Geostin_32 (BF), Gremlin23_37 (BF), HaugeAnator_38 (BF), Immanuel3_38 (BF), JPandJE_39 (BF), Kumquat_37 (BF), Olicious_38 (BF), Percastrophe_38 (BF), RetrieverFever_37 (BF), Rideau_39 (BF), Romero_38 (BF), Stella_38 (BF), ToriToki_38 (BF), Treat_38 (BF), Vorvolakos_37 (BF), Zeigle_37 (BF), ZooBear_38 (BF),

Summary by clusters:

There is one cluster represented in this pham: BF

Info for manual annotations of cluster BF:
•Start number 2 was manually annotated 18 times for cluster BF.

Gene Information:

Gene: Dennebes_38 Start: 19846, Stop: 20166, Start Num: 2
Candidate Starts for Dennebes_38:
(1, 19795), (Start: 2 @19846 has 18 MA's), (5, 19885), (6, 19930), (7, 19951), (8, 19957), (12, 20089),

Gene: Fabian_34 Start: 19705, Stop: 20025, Start Num: 2
Candidate Starts for Fabian_34:
(Start: 2 @19705 has 18 MA's), (4, 19741), (5, 19744), (6, 19789), (7, 19810), (9, 19840),

Gene: FlowerPower_37 Start: 19705, Stop: 20025, Start Num: 2
Candidate Starts for FlowerPower_37:
(Start: 2 @19705 has 18 MA's), (4, 19741), (5, 19744), (6, 19789), (7, 19810), (9, 19840),

Gene: Geostin_32 Start: 19705, Stop: 20025, Start Num: 2
Candidate Starts for Geostin_32:
(Start: 2 @19705 has 18 MA's), (4, 19741), (5, 19744), (6, 19789), (7, 19810), (9, 19840),

Gene: Gremlin23_37 Start: 19705, Stop: 20025, Start Num: 2
Candidate Starts for Gremlin23_37:
(Start: 2 @19705 has 18 MA's), (4, 19741), (5, 19744), (6, 19789), (7, 19810), (9, 19840),

Gene: HaugeAnator_38 Start: 19643, Stop: 19951, Start Num: 2
Candidate Starts for HaugeAnator_38:
(Start: 2 @19643 has 18 MA's), (6, 19730), (10, 19805),

Gene: Immanuel3_38 Start: 19647, Stop: 19955, Start Num: 2
Candidate Starts for Immanuel3_38:
(Start: 2 @19647 has 18 MA's), (6, 19734), (10, 19809),

Gene: JPandJE_39 Start: 20114, Stop: 20422, Start Num: 2
Candidate Starts for JPandJE_39:
(Start: 2 @20114 has 18 MA's), (3, 20144), (5, 20153), (6, 20201), (8, 20225), (10, 20276),

Gene: Kumquat_37 Start: 19676, Stop: 19996, Start Num: 2
Candidate Starts for Kumquat_37:

(Start: 2 @19676 has 18 MA's), (3, 19706), (4, 19712), (5, 19715), (6, 19760), (7, 19781), (8, 19787), (11, 19865), (13, 19946), (14, 19949),

Gene: Olicious_38 Start: 19643, Stop: 19951, Start Num: 2
Candidate Starts for Olicious_38:
(Start: 2 @19643 has 18 MA's), (6, 19730), (10, 19805),

Gene: Percastrophe_38 Start: 19577, Stop: 19885, Start Num: 2
Candidate Starts for Percastrophe_38:
(Start: 2 @19577 has 18 MA's), (6, 19664), (10, 19739),

Gene: RetrieverFever_37 Start: 19705, Stop: 20025, Start Num: 2
Candidate Starts for RetrieverFever_37:
(Start: 2 @19705 has 18 MA's), (4, 19741), (5, 19744), (6, 19789), (7, 19810), (9, 19840),

Gene: Rideau_39 Start: 19846, Stop: 20166, Start Num: 2
Candidate Starts for Rideau_39:
(1, 19795), (Start: 2 @19846 has 18 MA's), (6, 19930), (7, 19951), (8, 19957), (12, 20089),

Gene: Romero_38 Start: 19636, Stop: 19944, Start Num: 2
Candidate Starts for Romero_38:
(Start: 2 @19636 has 18 MA's), (6, 19723), (10, 19798),

Gene: Stella_38 Start: 19391, Stop: 19711, Start Num: 2
Candidate Starts for Stella_38:
(Start: 2 @19391 has 18 MA's), (4, 19427), (5, 19430), (8, 19502), (12, 19634),

Gene: ToriToki_38 Start: 19636, Stop: 19944, Start Num: 2
Candidate Starts for ToriToki_38:
(Start: 2 @19636 has 18 MA's), (6, 19723), (10, 19798),

Gene: Treat_38 Start: 19580, Stop: 19888, Start Num: 2
Candidate Starts for Treat_38:
(Start: 2 @19580 has 18 MA's), (6, 19667), (10, 19742),

Gene: Vorvolakos_37 Start: 19704, Stop: 20024, Start Num: 2
Candidate Starts for Vorvolakos_37:
(Start: 2 @19704 has 18 MA's), (4, 19740), (5, 19743), (6, 19788), (7, 19809), (9, 19839),

Gene: Zeigle_37 Start: 19676, Stop: 19996, Start Num: 2
Candidate Starts for Zeigle_37:
(Start: 2 @19676 has 18 MA's), (3, 19706), (4, 19712), (5, 19715), (6, 19760), (7, 19781), (8, 19787), (11, 19865), (13, 19946), (14, 19949),

Gene: ZooBear_38 Start: 19643, Stop: 19951, Start Num: 2
Candidate Starts for ZooBear_38:
(Start: 2 @19643 has 18 MA's), (6, 19730), (10, 19805),