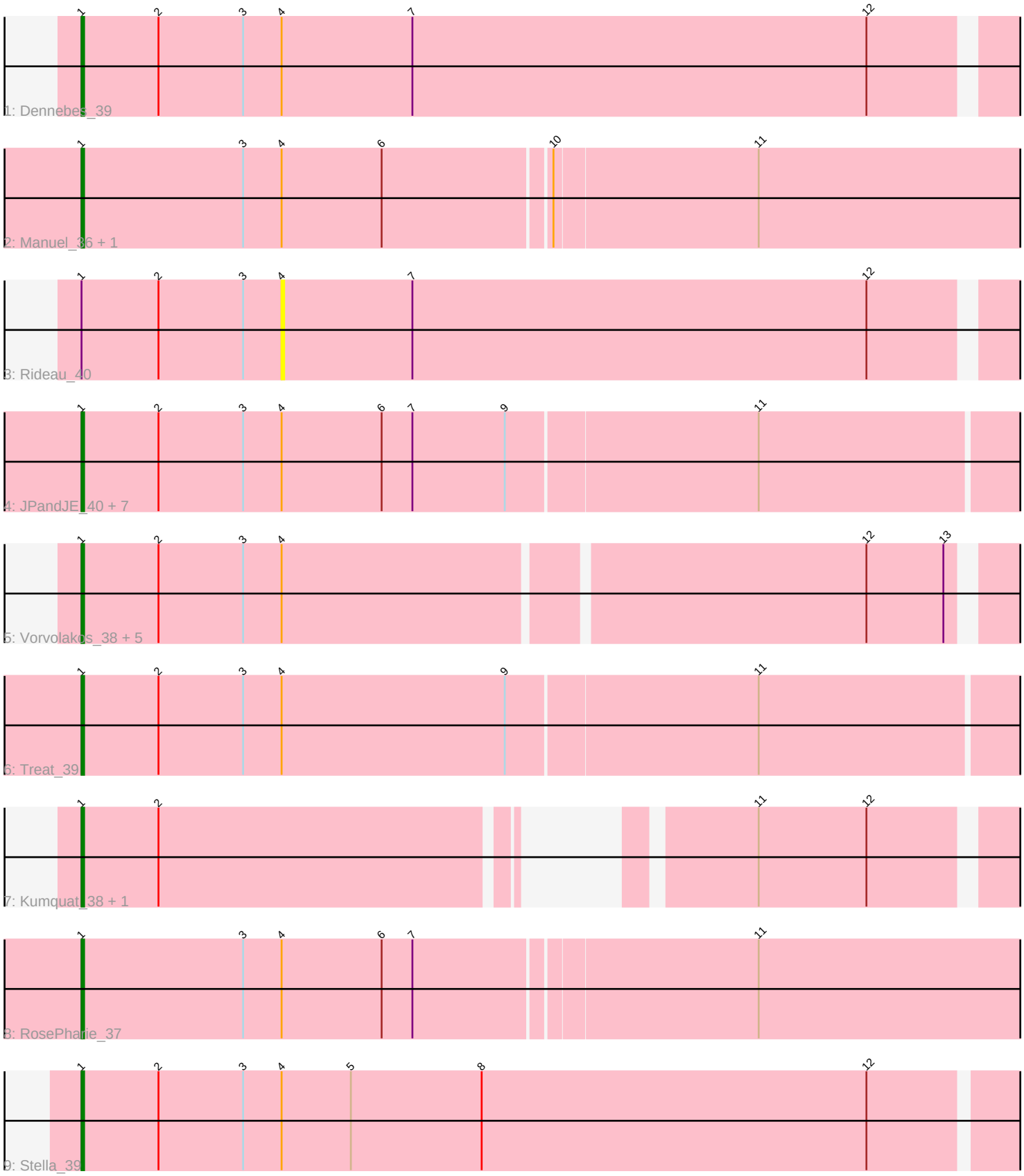
Pham 44988


1: Dennebes_39
2: Manuel_36 + 1
3: Rideau_40
4: JPandJE_40 + 7
5: Vorvolakos_38 + 5
6: Treat_39
7: Kumquat_38 + 1
8: RosePhadie_37
9: Stella_39

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 44988 Report

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

Pham number 44988 has 23 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Dennebes_39
• Track 2 : Manuel_36, WRightOn_40
• Track 3 : Rideau_40
• Track 4 : JPandJE_40, HaugeAnator_39, Percastrophe_39, ZooBear_39, Romero_39, Olicious_39, Immanuel3_39, ToriToki_39
• Track 5 : Vorvolakos_38, Fabian_35, FlowerPower_38, Gremlin23_38, RetrieverFever_38, Geostin_33
• Track 6 : Treat_39
• Track 7 : Kumquat_38, Zeigle_38
• Track 8 : RosePharie_37
• Track 9 : Stella_39

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 21 of the 21 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Dennebes_39, Fabian_35, FlowerPower_38, Geostin_33, Gremlin23_38, HaugeAnator_39, Immanuel3_39, JPandJE_40, Kumquat_38, Manuel_36, Olicious_39, Percastrophe_39, RetrieverFever_38, Romero_39, RosePharie_37, Stella_39, ToriToki_39, Treat_39, Vorvolakos_38, WRightOn_40, Zeigle_38, ZooBear_39,

Genes that have the "Most Annotated" start but do not call it:
• Rideau_40,

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

Summary by start number:

Start 1:
• Found in 23 of 23 (100.0%) of genes in pham

• Manual Annotations of this start: 21 of 21
• Called 95.7% of time when present
• Phage (with cluster) where this start called: Dennebes_39 (BF), Fabian_35 (BF), FlowerPower_38 (BF), Geostin_33 (BF), Gremlin23_38 (BF), HaugeAnator_39 (BF), Immanuel3_39 (BF), JPandJE_40 (BF), Kumquat_38 (BF), Manuel_36 (BF), Olicious_39 (BF), Percastrophe_39 (BF), RetrieverFever_38 (BF), Romero_39 (BF), RosePharie_37 (BF), Stella_39 (BF), ToriToki_39 (BF), Treat_39 (BF), Vorvolakos_38 (BF), WRightOn_40 (BF), Zeigle_38 (BF), ZooBear_39 (BF),

Start 4:
• Found in 21 of 23 (91.3%) of genes in pham
• No Manual Annotations of this start.
• Called 4.8% of time when present
• Phage (with cluster) where this start called: Rideau_40 (BF),

Summary by clusters:

There is one cluster represented in this pham: BF

Info for manual annotations of cluster BF:
•Start number 1 was manually annotated 21 times for cluster BF.

Gene Information:

Gene: Dennebes_39 Start: 20180, Stop: 20563, Start Num: 1
Candidate Starts for Dennebes_39:
(Start: 1 @20180 has 21 MA's), (2, 20210), (3, 20243), (4, 20258), (7, 20309), (12, 20486),

Gene: Fabian_35 Start: 20039, Stop: 20413, Start Num: 1
Candidate Starts for Fabian_35:
(Start: 1 @20039 has 21 MA's), (2, 20069), (3, 20102), (4, 20117), (12, 20336), (13, 20366),

Gene: FlowerPower_38 Start: 20039, Stop: 20413, Start Num: 1
Candidate Starts for FlowerPower_38:
(Start: 1 @20039 has 21 MA's), (2, 20069), (3, 20102), (4, 20117), (12, 20336), (13, 20366),

Gene: Geostin_33 Start: 20039, Stop: 20413, Start Num: 1
Candidate Starts for Geostin_33:
(Start: 1 @20039 has 21 MA's), (2, 20069), (3, 20102), (4, 20117), (12, 20336), (13, 20366),

Gene: Gremlin23_38 Start: 20039, Stop: 20413, Start Num: 1
Candidate Starts for Gremlin23_38:
(Start: 1 @20039 has 21 MA's), (2, 20069), (3, 20102), (4, 20117), (12, 20336), (13, 20366),

Gene: HaugeAnator_39 Start: 19966, Stop: 20352, Start Num: 1
Candidate Starts for HaugeAnator_39:
(Start: 1 @19966 has 21 MA's), (2, 19996), (3, 20029), (4, 20044), (6, 20083), (7, 20095), (9, 20131), (11, 20227),

Gene: Immanuel3_39 Start: 19970, Stop: 20356, Start Num: 1
Candidate Starts for Immanuel3_39:

(Start: 1 @19970 has 21 MA's), (2, 20000), (3, 20033), (4, 20048), (6, 20087), (7, 20099), (9, 20135), (11, 20231),

Gene: JPandJE_40 Start: 20437, Stop: 20823, Start Num: 1
Candidate Starts for JPandJE_40:
(Start: 1 @20437 has 21 MA's), (2, 20467), (3, 20500), (4, 20515), (6, 20554), (7, 20566), (9, 20602), (11, 20698),

Gene: Kumquat_38 Start: 20010, Stop: 20339, Start Num: 1
Candidate Starts for Kumquat_38:
(Start: 1 @20010 has 21 MA's), (2, 20040), (11, 20220), (12, 20262),

Gene: Manuel_36 Start: 19984, Stop: 20370, Start Num: 1
Candidate Starts for Manuel_36:
(Start: 1 @19984 has 21 MA's), (3, 20047), (4, 20062), (6, 20101), (10, 20164), (11, 20242),

Gene: Olicious_39 Start: 19966, Stop: 20352, Start Num: 1
Candidate Starts for Olicious_39:
(Start: 1 @19966 has 21 MA's), (2, 19996), (3, 20029), (4, 20044), (6, 20083), (7, 20095), (9, 20131), (11, 20227),

Gene: Percastrophe_39 Start: 19900, Stop: 20286, Start Num: 1
Candidate Starts for Percastrophe_39:
(Start: 1 @19900 has 21 MA's), (2, 19930), (3, 19963), (4, 19978), (6, 20017), (7, 20029), (9, 20065), (11, 20161),

Gene: RetrieverFever_38 Start: 20039, Stop: 20413, Start Num: 1
Candidate Starts for RetrieverFever_38:
(Start: 1 @20039 has 21 MA's), (2, 20069), (3, 20102), (4, 20117), (12, 20336), (13, 20366),

Gene: Rideau_40 Start: 20258, Stop: 20563, Start Num: 4
Candidate Starts for Rideau_40:
(Start: 1 @20180 has 21 MA's), (2, 20210), (3, 20243), (4, 20258), (7, 20309), (12, 20486),

Gene: Romero_39 Start: 19959, Stop: 20345, Start Num: 1
Candidate Starts for Romero_39:
(Start: 1 @19959 has 21 MA's), (2, 19989), (3, 20022), (4, 20037), (6, 20076), (7, 20088), (9, 20124), (11, 20220),

Gene: RosePharie_37 Start: 20000, Stop: 20386, Start Num: 1
Candidate Starts for RosePharie_37:
(Start: 1 @20000 has 21 MA's), (3, 20063), (4, 20078), (6, 20117), (7, 20129), (11, 20258),

Gene: Stella_39 Start: 19724, Stop: 20110, Start Num: 1
Candidate Starts for Stella_39:
(Start: 1 @19724 has 21 MA's), (2, 19754), (3, 19787), (4, 19802), (5, 19829), (8, 19880), (12, 20030),

Gene: ToriToki_39 Start: 19959, Stop: 20345, Start Num: 1
Candidate Starts for ToriToki_39:
(Start: 1 @19959 has 21 MA's), (2, 19989), (3, 20022), (4, 20037), (6, 20076), (7, 20088), (9, 20124), (11, 20220),

Gene: Treat_39 Start: 19903, Stop: 20289, Start Num: 1

Candidate Starts for Treat_39:
(Start: 1 @19903 has 21 MA's), (2, 19933), (3, 19966), (4, 19981), (9, 20068), (11, 20164),

Gene: Vorvolakos_38 Start: 20038, Stop: 20412, Start Num: 1
Candidate Starts for Vorvolakos_38:
(Start: 1 @20038 has 21 MA's), (2, 20068), (3, 20101), (4, 20116), (12, 20335), (13, 20365),

Gene: WRightOn_40 Start: 20062, Stop: 20448, Start Num: 1
Candidate Starts for WRightOn_40:
(Start: 1 @20062 has 21 MA's), (3, 20125), (4, 20140), (6, 20179), (10, 20242), (11, 20320),

Gene: Zeigle_38 Start: 20010, Stop: 20339, Start Num: 1
Candidate Starts for Zeigle_38:
(Start: 1 @20010 has 21 MA's), (2, 20040), (11, 20220), (12, 20262),

Gene: ZooBear_39 Start: 19966, Stop: 20352, Start Num: 1
Candidate Starts for ZooBear_39:
(Start: 1 @19966 has 21 MA's), (2, 19996), (3, 20029), (4, 20044), (6, 20083), (7, 20095), (9, 20131), (11, 20227),