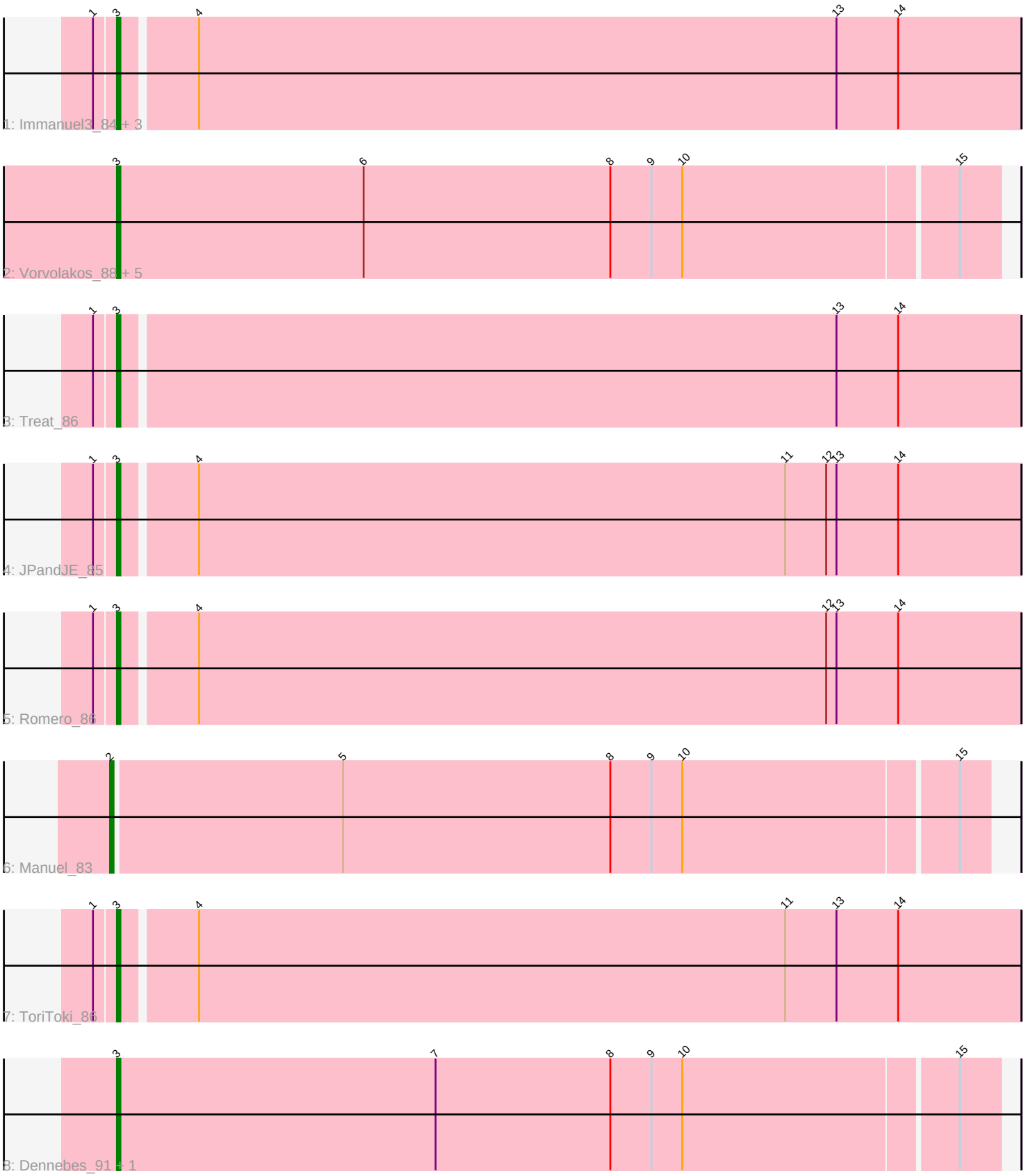
Pham 4641


1
3
4
13
14
1: Immanuel3_84+ 3
3
6
8
9
10
15
2: Vorvolakos_88+ 5
1
3
13
14
3: Treat_86
1
3
4
11
12
13
14
4: JPandJE_85
1
3
4
12
13
14
5: Romero_86
2
5
8
9
10
15
6: Manuel_83
1
3
4
11
13
14
7: ToriToki_86
3
7
8
9
10
15
8: Dennebes_91 + 1

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 4641 Report

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

Pham number 4641 has 17 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Immanuel3_84, HaugeAnator_86, Olicious_86, ZooBear_86
• Track 2 : Vorvolakos_88, Gremlin23_87, Fabian_86, FlowerPower_87, Geostin_82, RetrieverFever_87
• Track 3 : Treat_86
• Track 4 : JPandJE_85
• Track 5 : Romero_86
• Track 6 : Manuel_83
• Track 7 : ToriToki_86
• Track 8 : Dennebes_91, Rideau_92

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

The start number called the most often in the published annotations is 3, it was called in 14 of the 15 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Dennebes_91, Fabian_86, FlowerPower_87, Geostin_82, Gremlin23_87, HaugeAnator_86, Immanuel3_84, JPandJE_85, Olicious_86, RetrieverFever_87, Rideau_92, Romero_86, ToriToki_86, Treat_86, Vorvolakos_88, ZooBear_86,

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

Genes that do not have the "Most Annotated" start:
• Manuel_83,

Summary by start number:

Start 2:
• Found in 1 of 17 (5.9%) of genes in pham
• Manual Annotations of this start: 1 of 15
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Manuel_83 (BF),

Start 3:
• Found in 16 of 17 (94.1%) of genes in pham
• Manual Annotations of this start: 14 of 15
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Dennebes_91 (BF), Fabian_86 (BF), FlowerPower_87 (BF), Geostin_82 (BF), Gremlin23_87 (BF), HaugeAnator_86 (BF), Immanuel3_84 (BF), JPandJE_85 (BF), Olicious_86 (BF), RetrieverFever_87 (BF), Rideau_92 (BF), Romero_86 (BF), ToriToki_86 (BF), Treat_86 (BF), Vorvolakos_88 (BF), ZooBear_86 (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 1 time for cluster BF.
•Start number 3 was manually annotated 14 times for cluster BF.

Gene Information:

Gene: Dennebes_91 Start: 44731, Stop: 44477, Start Num: 3
Candidate Starts for Dennebes_91:
(Start: 3 @44731 has 14 MA's), (7, 44638), (8, 44587), (9, 44575), (10, 44566), (15, 44488),

Gene: Fabian_86 Start: 45118, Stop: 44864, Start Num: 3
Candidate Starts for Fabian_86:
(Start: 3 @45118 has 14 MA's), (6, 45046), (8, 44974), (9, 44962), (10, 44953), (15, 44875),

Gene: FlowerPower_87 Start: 44746, Stop: 44492, Start Num: 3
Candidate Starts for FlowerPower_87:
(Start: 3 @44746 has 14 MA's), (6, 44674), (8, 44602), (9, 44590), (10, 44581), (15, 44503),

Gene: Geostin_82 Start: 44788, Stop: 44534, Start Num: 3
Candidate Starts for Geostin_82:
(Start: 3 @44788 has 14 MA's), (6, 44716), (8, 44644), (9, 44632), (10, 44623), (15, 44545),

Gene: Gremlin23_87 Start: 44788, Stop: 44534, Start Num: 3
Candidate Starts for Gremlin23_87:
(Start: 3 @44788 has 14 MA's), (6, 44716), (8, 44644), (9, 44632), (10, 44623), (15, 44545),

Gene: HaugeAnator_86 Start: 44656, Stop: 44396, Start Num: 3
Candidate Starts for HaugeAnator_86:
(1, 44662), (Start: 3 @44656 has 14 MA's), (4, 44635), (13, 44449), (14, 44431),

Gene: Immanuel3_84 Start: 44614, Stop: 44354, Start Num: 3
Candidate Starts for Immanuel3_84:
(1, 44620), (Start: 3 @44614 has 14 MA's), (4, 44593), (13, 44407), (14, 44389),

Gene: JPandJE_85 Start: 44959, Stop: 44699, Start Num: 3
Candidate Starts for JPandJE_85:

(1, 44965), (Start: 3 @44959 has 14 MA's), (4, 44938), (11, 44767), (12, 44755), (13, 44752), (14, 44734),

Gene: Manuel_83 Start: 43627, Stop: 43376, Start Num: 2
Candidate Starts for Manuel_83:
(Start: 2 @43627 has 1 MA's), (5, 43561), (8, 43483), (9, 43471), (10, 43462), (15, 43384),

Gene: Olicious_86 Start: 44660, Stop: 44400, Start Num: 3
Candidate Starts for Olicious_86:
(1, 44666), (Start: 3 @44660 has 14 MA's), (4, 44639), (13, 44453), (14, 44435),

Gene: RetrieverFever_87 Start: 44788, Stop: 44534, Start Num: 3
Candidate Starts for RetrieverFever_87:
(Start: 3 @44788 has 14 MA's), (6, 44716), (8, 44644), (9, 44632), (10, 44623), (15, 44545),

Gene: Rideau_92 Start: 44622, Stop: 44368, Start Num: 3
Candidate Starts for Rideau_92:
(Start: 3 @44622 has 14 MA's), (7, 44529), (8, 44478), (9, 44466), (10, 44457), (15, 44379),

Gene: Romero_86 Start: 44610, Stop: 44350, Start Num: 3
Candidate Starts for Romero_86:
(1, 44616), (Start: 3 @44610 has 14 MA's), (4, 44589), (12, 44406), (13, 44403), (14, 44385),

Gene: ToriToki_86 Start: 44608, Stop: 44348, Start Num: 3
Candidate Starts for ToriToki_86:
(1, 44614), (Start: 3 @44608 has 14 MA's), (4, 44587), (11, 44416), (13, 44401), (14, 44383),

Gene: Treat_86 Start: 44483, Stop: 44223, Start Num: 3
Candidate Starts for Treat_86:
(1, 44489), (Start: 3 @44483 has 14 MA's), (13, 44276), (14, 44258),

Gene: Vorvolakos_88 Start: 44787, Stop: 44533, Start Num: 3
Candidate Starts for Vorvolakos_88:
(Start: 3 @44787 has 14 MA's), (6, 44715), (8, 44643), (9, 44631), (10, 44622), (15, 44544),

Gene: ZooBear_86 Start: 44656, Stop: 44396, Start Num: 3
Candidate Starts for ZooBear_86:
(1, 44662), (Start: 3 @44656 has 14 MA's), (4, 44635), (13, 44449), (14, 44431),