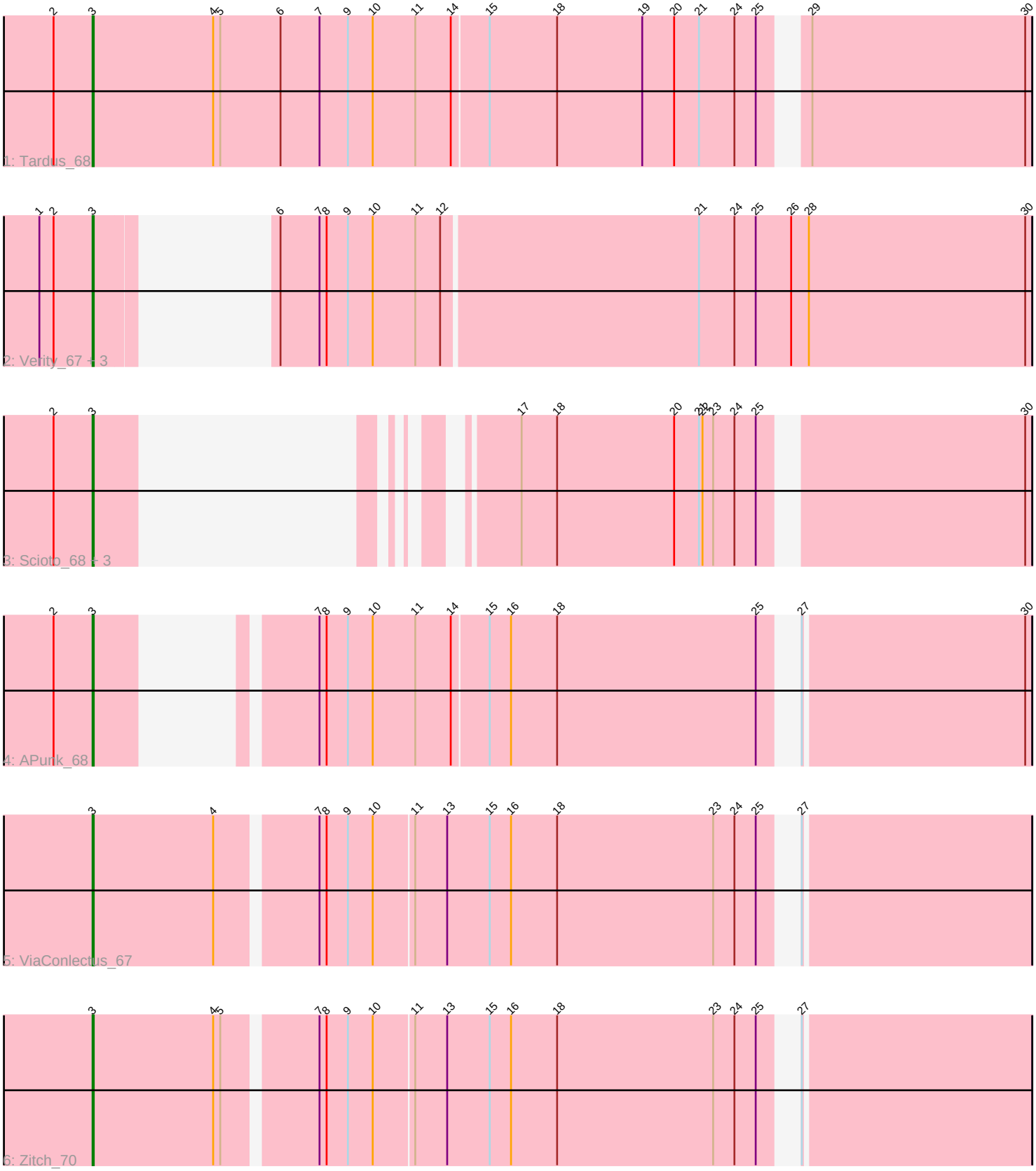
Pham 6100


2 3 4 5 6 7 9 10 11 14 15 18 19 20 21 24 25 29 30
1: Tardus_68
1 2 3 6 7 8 9 10 11 12 21 24 25 26 28 30
2: Verity_67 + 3
2 3 17 18 20 22 23 24 25 30
3: Sciotb_68 + 3
2 3 7 8 9 10 11 14 15 16 18 25 27 30
4: APunk_68
3 4 7 8 9 10 11 13 15 16 18 23 24 25 27
5: ViaConlectus_67
3 4 5 7 8 9 10 11 13 15 16 18 23 24 25 27
6: Zitch_70

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 6100 Report

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

Pham number 6100 has 12 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Tardus_68
• Track 2 : Verity_67, DoctorFroggo_67, Zipp_69, Delrey21_67
• Track 3 : Scioto_68, Abblin_68, Sampson_70, Natkenzie_68
• Track 4 : APunk_68
• Track 5 : ViaConlectus_67
• Track 6 : Zitch_70

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 9 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• APunk_68, Abblin_68, Delrey21_67, DoctorFroggo_67, Natkenzie_68, Sampson_70, Scioto_68, Tardus_68, Verity_67, ViaConlectus_67, Zipp_69, Zitch_70,

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 3:
• Found in 12 of 12 (100.0%) of genes in pham
• Manual Annotations of this start: 9 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: APunk_68 (DE4), Abblin_68 (DE4), Delrey21_67 (DE4), DoctorFroggo_67 (DE4), Natkenzie_68 (DE4), Sampson_70 (DE4), Scioto_68 (DE4), Tardus_68 (DE4), Verity_67 (DE4), ViaConlectus_67 (DE4), Zipp_69 (DE4), Zitch_70 (DE4),

Summary by clusters:

There is one cluster represented in this pham: DE4

Info for manual annotations of cluster DE4:
•Start number 3 was manually annotated 9 times for cluster DE4.

Gene Information:

Gene: APunk_68 Start: 50616, Stop: 51281, Start Num: 3
Candidate Starts for APunk_68:
(2, 50583), (Start: 3 @50616 has 9 MA's), (7, 50712), (8, 50718), (9, 50736), (10, 50757), (11, 50793), (14, 50823), (15, 50853), (16, 50871), (18, 50910), (25, 51078), (27, 51093), (30, 51276),

Gene: Abblin_68 Start: 50912, Stop: 51439, Start Num: 3
Candidate Starts for Abblin_68:
(2, 50879), (Start: 3 @50912 has 9 MA's), (17, 51032), (18, 51062), (20, 51161), (21, 51182), (22, 51185), (23, 51194), (24, 51212), (25, 51230), (30, 51434),

Gene: Delrey21_67 Start: 51858, Stop: 52529, Start Num: 3
Candidate Starts for Delrey21_67:
(1, 51813), (2, 51825), (Start: 3 @51858 has 9 MA's), (6, 51900), (7, 51933), (8, 51939), (9, 51957), (10, 51978), (11, 52014), (12, 52035), (21, 52248), (24, 52278), (25, 52296), (26, 52326), (28, 52341), (30, 52524),

Gene: DoctorFroggo_67 Start: 51858, Stop: 52529, Start Num: 3
Candidate Starts for DoctorFroggo_67:
(1, 51813), (2, 51825), (Start: 3 @51858 has 9 MA's), (6, 51900), (7, 51933), (8, 51939), (9, 51957), (10, 51978), (11, 52014), (12, 52035), (21, 52248), (24, 52278), (25, 52296), (26, 52326), (28, 52341), (30, 52524),

Gene: Natkenzie_68 Start: 50912, Stop: 51439, Start Num: 3
Candidate Starts for Natkenzie_68:
(2, 50879), (Start: 3 @50912 has 9 MA's), (17, 51032), (18, 51062), (20, 51161), (21, 51182), (22, 51185), (23, 51194), (24, 51212), (25, 51230), (30, 51434),

Gene: Sampson_70 Start: 51063, Stop: 51590, Start Num: 3
Candidate Starts for Sampson_70:
(2, 51030), (Start: 3 @51063 has 9 MA's), (17, 51183), (18, 51213), (20, 51312), (21, 51333), (22, 51336), (23, 51345), (24, 51363), (25, 51381), (30, 51585),

Gene: Scioto_68 Start: 50913, Stop: 51440, Start Num: 3
Candidate Starts for Scioto_68:
(2, 50880), (Start: 3 @50913 has 9 MA's), (17, 51033), (18, 51063), (20, 51162), (21, 51183), (22, 51186), (23, 51195), (24, 51213), (25, 51231), (30, 51435),

Gene: Tardus_68 Start: 50917, Stop: 51684, Start Num: 3
Candidate Starts for Tardus_68:
(2, 50884), (Start: 3 @50917 has 9 MA's), (4, 51019), (5, 51025), (6, 51076), (7, 51109), (9, 51133), (10, 51154), (11, 51190), (14, 51220), (15, 51250), (18, 51307), (19, 51379), (20, 51406), (21, 51427), (24, 51457), (25, 51475), (29, 51499), (30, 51679),

Gene: Verity_67 Start: 51858, Stop: 52529, Start Num: 3
Candidate Starts for Verity_67:
(1, 51813), (2, 51825), (Start: 3 @51858 has 9 MA's), (6, 51900), (7, 51933), (8, 51939), (9, 51957), (10, 51978), (11, 52014), (12, 52035), (21, 52248), (24, 52278), (25, 52296), (26, 52326), (28, 52341), (30, 52524),

Gene: ViaConlectus_67 Start: 49423, Stop: 50172, Start Num: 3
Candidate Starts for ViaConlectus_67:
(Start: 3 @49423 has 9 MA's), (4, 49525), (7, 49603), (8, 49609), (9, 49627), (10, 49648), (11, 49681), (13, 49708), (15, 49744), (16, 49762), (18, 49801), (23, 49933), (24, 49951), (25, 49969), (27, 49984),

Gene: Zipp_69 Start: 51923, Stop: 52594, Start Num: 3
Candidate Starts for Zipp_69:
(1, 51878), (2, 51890), (Start: 3 @51923 has 9 MA's), (6, 51965), (7, 51998), (8, 52004), (9, 52022), (10, 52043), (11, 52079), (12, 52100), (21, 52313), (24, 52343), (25, 52361), (26, 52391), (28, 52406), (30, 52589),

Gene: Zitch_70 Start: 50156, Stop: 50905, Start Num: 3
Candidate Starts for Zitch_70:
(Start: 3 @50156 has 9 MA's), (4, 50258), (5, 50264), (7, 50336), (8, 50342), (9, 50360), (10, 50381), (11, 50414), (13, 50441), (15, 50477), (16, 50495), (18, 50534), (23, 50666), (24, 50684), (25, 50702), (27, 50717),