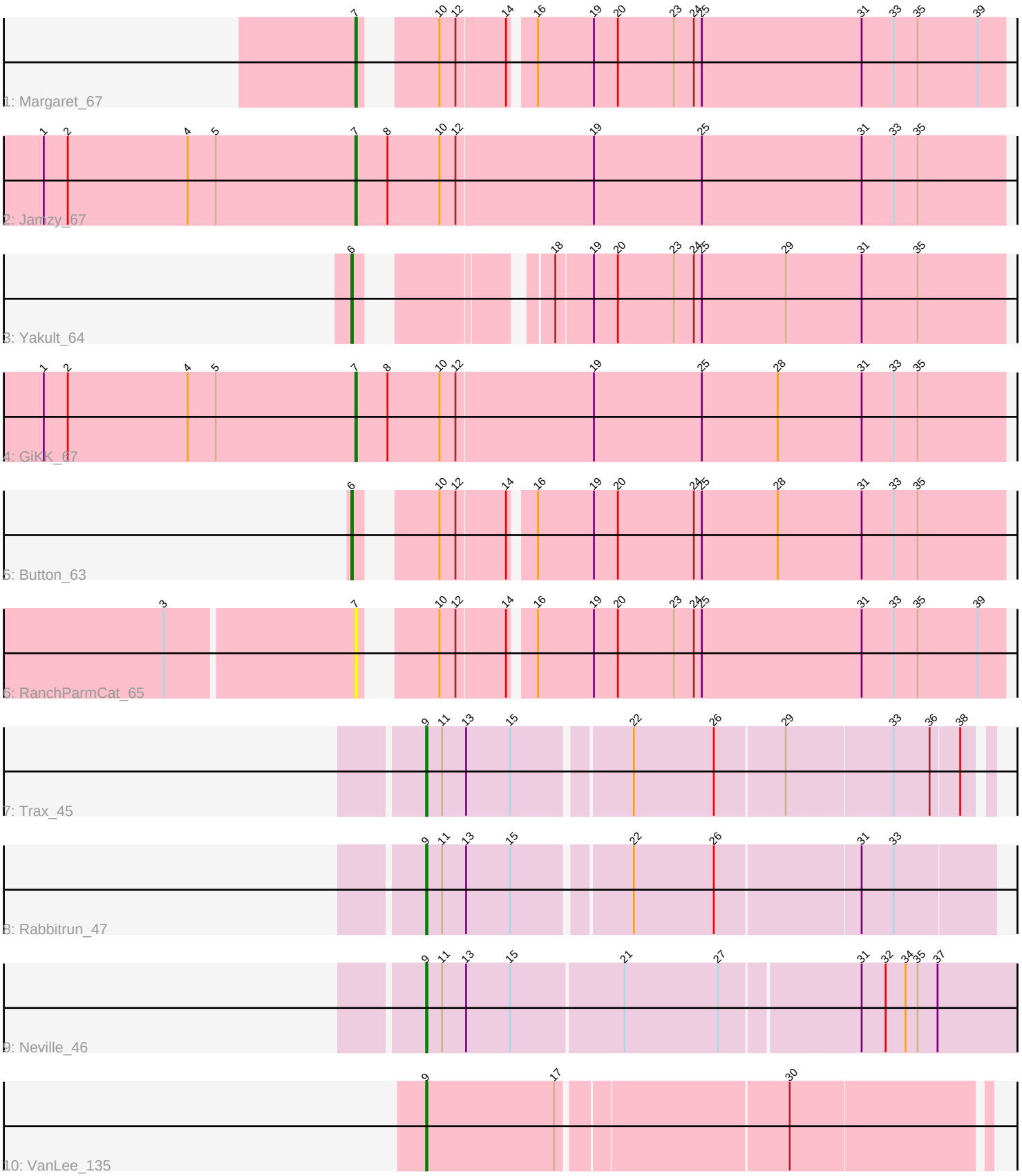
Pham 194540


1: Margaret_67
2: Jamzy_67
3: Yakult_64
4: GiKK_67
5: Button_63
6: RanchParmCat_65
7: Trax_45
8: Rabbitrun_47
9: Neville_46
10: VanLee_135

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 194540 Report

This analysis was run 11/02/24 on database version 579.

Pham number 194540 has 10 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Margaret_67
• Track 2 : Jamzy_67
• Track 3 : Yakult_64
• Track 4 : GiKK_67
• Track 5 : Button_63
• Track 6 : RanchParmCat_65
• Track 7 : Trax_45
• Track 8 : Rabbitrun_47
• Track 9 : Neville_46
• Track 10 : VanLee_135

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

The start number called the most often in the published annotations is 9, it was called in 4 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Neville_46, Rabbitrun_47, Trax_45, VanLee_135,

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

Genes that do not have the "Most Annotated" start:
• Button_63, GiKK_67, Jamzy_67, Margaret_67, RanchParmCat_65, Yakult_64,

Summary by start number:

Start 6:
• Found in 2 of 10 (20.0%) of genes in pham
• Manual Annotations of this start: 2 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Button_63 (CT), Yakult_64 (CT),

Start 7:

• Found in 4 of 10 (40.0%) of genes in pham
• Manual Annotations of this start: 3 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: GiKK_67 (CT), Jamzy_67 (CT), Margaret_67 (CT), RanchParmCat_65 (CT),

Start 9:
• Found in 4 of 10 (40.0%) of genes in pham
• Manual Annotations of this start: 4 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Neville_46 (DU2), Rabbitrun_47 (DU2), Trax_45 (DU2), VanLee_135 (singleton),

Summary by clusters:

There are 3 clusters represented in this pham: DU2, singleton, CT,

Info for manual annotations of cluster CT:
•Start number 6 was manually annotated 2 times for cluster CT.
•Start number 7 was manually annotated 3 times for cluster CT.

Info for manual annotations of cluster DU2:
•Start number 9 was manually annotated 3 times for cluster DU2.

Gene Information:

Gene: Button_63 Start: 43199, Stop: 43654, Start Num: 6
Candidate Starts for Button_63:
(Start: 6 @43199 has 2 MA's), (10, 43241), (12, 43253), (14, 43289), (16, 43304), (19, 43346), (20, 43364), (24, 43421), (25, 43427), (28, 43484), (31, 43547), (33, 43571), (35, 43589),

Gene: GiKK_67 Start: 44458, Stop: 44943, Start Num: 7
Candidate Starts for GiKK_67:
(1, 44224), (2, 44242), (4, 44332), (5, 44353), (Start: 7 @44458 has 3 MA's), (8, 44482), (10, 44521), (12, 44533), (19, 44635), (25, 44716), (28, 44773), (31, 44836), (33, 44860), (35, 44878),

Gene: Jamzy_67 Start: 44194, Stop: 44679, Start Num: 7
Candidate Starts for Jamzy_67:
(1, 43960), (2, 43978), (4, 44068), (5, 44089), (Start: 7 @44194 has 3 MA's), (8, 44218), (10, 44257), (12, 44269), (19, 44371), (25, 44452), (31, 44572), (33, 44596), (35, 44614),

Gene: Margaret_67 Start: 43929, Stop: 44381, Start Num: 7
Candidate Starts for Margaret_67:
(Start: 7 @43929 has 3 MA's), (10, 43968), (12, 43980), (14, 44016), (16, 44031), (19, 44073), (20, 44091), (23, 44133), (24, 44148), (25, 44154), (31, 44274), (33, 44298), (35, 44316), (39, 44361),

Gene: Neville_46 Start: 34837, Stop: 35271, Start Num: 9
Candidate Starts for Neville_46:
(Start: 9 @34837 has 4 MA's), (11, 34849), (13, 34867), (15, 34900), (21, 34981), (27, 35050), (31, 35149), (32, 35167), (34, 35182), (35, 35191), (37, 35206),

Gene: Rabbitrun_47 Start: 35261, Stop: 35668, Start Num: 9
Candidate Starts for Rabbitrun_47:
(Start: 9 @35261 has 4 MA's), (11, 35273), (13, 35291), (15, 35324), (22, 35405), (26, 35465), (31, 35570), (33, 35594),

Gene: RanchParmCat_65 Start: 44221, Stop: 44673, Start Num: 7
Candidate Starts for RanchParmCat_65:
(3, 44083), (Start: 7 @44221 has 3 MA's), (10, 44260), (12, 44272), (14, 44308), (16, 44323), (19, 44365), (20, 44383), (23, 44425), (24, 44440), (25, 44446), (31, 44566), (33, 44590), (35, 44608), (39, 44653),

Gene: Trax_45 Start: 35143, Stop: 35541, Start Num: 9
Candidate Starts for Trax_45:
(Start: 9 @35143 has 4 MA's), (11, 35155), (13, 35173), (15, 35206), (22, 35287), (26, 35347), (29, 35398), (33, 35476), (36, 35503), (38, 35524),

Gene: VanLee_135 Start: 73104, Stop: 72706, Start Num: 9
Candidate Starts for VanLee_135:
(Start: 9 @73104 has 4 MA's), (17, 73008), (30, 72846),

Gene: Yakult_64 Start: 44046, Stop: 44489, Start Num: 6
Candidate Starts for Yakult_64:
(Start: 6 @44046 has 2 MA's), (18, 44154), (19, 44181), (20, 44199), (23, 44241), (24, 44256), (25, 44262), (29, 44325), (31, 44382), (35, 44424),