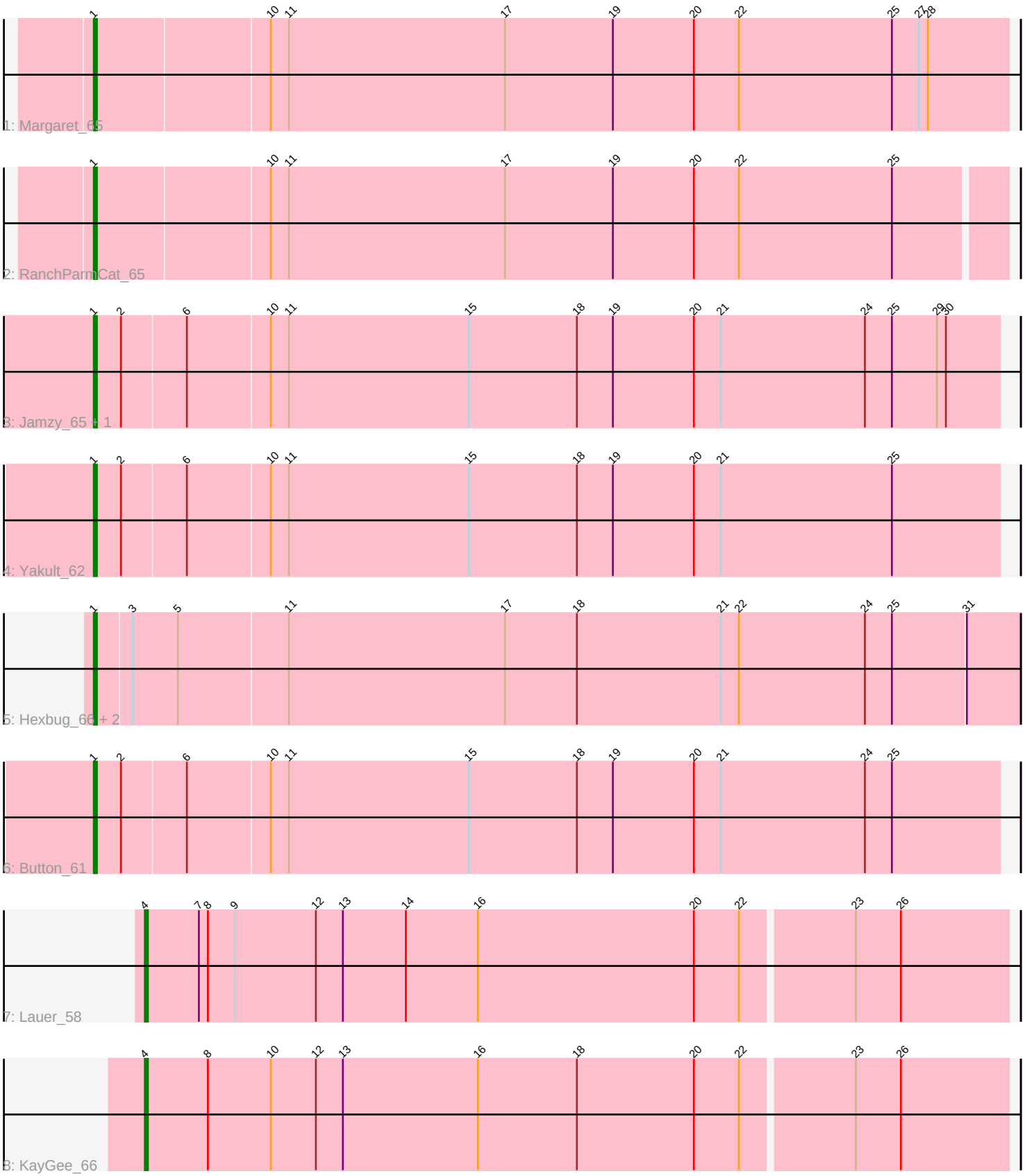
Pham 295275


1: Margaret_65
2: RanchParmCat_65
3: Jamzy_65 + 1
4: Yakult_62
5: Hexbug_66 + 2
6: Button_61
7: Lauer_58
8: KayGee_66

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 295275 Report

This analysis was run 04/18/26 on database version 643.

Pham number 295275 has 11 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Margaret_65
• Track 2 : RanchParmCat_65
• Track 3 : Jamzy_65, GiKK_65
• Track 4 : Yakult_62
• Track 5 : Hexbug_66, Nodigi_66, Orla_67
• Track 6 : Button_61
• Track 7 : Lauer_58
• Track 8 : KayGee_66

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 9 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Button_61, GiKK_65, Hexbug_66, Jamzy_65, Margaret_65, Nodigi_66, Orla_67, RanchParmCat_65, Yakult_62,

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

Genes that do not have the "Most Annotated" start:
• KayGee_66, Lauer_58,

Summary by start number:

Start 1:
• Found in 9 of 11 (81.8%) of genes in pham
• Manual Annotations of this start: 9 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Button_61 (CT), GiKK_65 (CT), Hexbug_66 (CT), Jamzy_65 (CT), Margaret_65 (CT), Nodigi_66 (CT), Orla_67 (CT), RanchParmCat_65 (CT), Yakult_62 (CT),

Start 4:
• Found in 2 of 11 (18.2%) of genes in pham
• Manual Annotations of this start: 2 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: KayGee_66 (CT), Lauer_58 (CT),

Summary by clusters:

There is one cluster represented in this pham: CT

Info for manual annotations of cluster CT:
•Start number 1 was manually annotated 9 times for cluster CT.
•Start number 4 was manually annotated 2 times for cluster CT.

Gene Information:

Gene: Button_61 Start: 42697, Stop: 42996, Start Num: 1
Candidate Starts for Button_61:
(Start: 1 @42697 has 9 MA's), (2, 42706), (6, 42727), (10, 42754), (11, 42760), (15, 42820), (18, 42856), (19, 42868), (20, 42895), (21, 42904), (24, 42952), (25, 42961),

Gene: GiKK_65 Start: 43965, Stop: 44264, Start Num: 1
Candidate Starts for GiKK_65:
(Start: 1 @43965 has 9 MA's), (2, 43974), (6, 43995), (10, 44022), (11, 44028), (15, 44088), (18, 44124), (19, 44136), (20, 44163), (21, 44172), (24, 44220), (25, 44229), (29, 44244), (30, 44247),

Gene: Hexbug_66 Start: 44656, Stop: 44961, Start Num: 1
Candidate Starts for Hexbug_66:
(Start: 1 @44656 has 9 MA's), (3, 44668), (5, 44683), (11, 44719), (17, 44791), (18, 44815), (21, 44863), (22, 44869), (24, 44911), (25, 44920), (31, 44944),

Gene: Jamzy_65 Start: 43701, Stop: 44000, Start Num: 1
Candidate Starts for Jamzy_65:
(Start: 1 @43701 has 9 MA's), (2, 43710), (6, 43731), (10, 43758), (11, 43764), (15, 43824), (18, 43860), (19, 43872), (20, 43899), (21, 43908), (24, 43956), (25, 43965), (29, 43980), (30, 43983),

Gene: KayGee_66 Start: 45086, Stop: 45370, Start Num: 4
Candidate Starts for KayGee_66:
(Start: 4 @45086 has 2 MA's), (8, 45107), (10, 45128), (12, 45143), (13, 45152), (16, 45197), (18, 45230), (20, 45269), (22, 45284), (23, 45320), (26, 45335),

Gene: Lauer_58 Start: 45271, Stop: 45555, Start Num: 4
Candidate Starts for Lauer_58:
(Start: 4 @45271 has 2 MA's), (7, 45289), (8, 45292), (9, 45301), (12, 45328), (13, 45337), (14, 45358), (16, 45382), (20, 45454), (22, 45469), (23, 45505), (26, 45520),

Gene: Margaret_65 Start: 43439, Stop: 43741, Start Num: 1
Candidate Starts for Margaret_65:
(Start: 1 @43439 has 9 MA's), (10, 43496), (11, 43502), (17, 43574), (19, 43610), (20, 43637), (22, 43652), (25, 43703), (27, 43712), (28, 43715),

Gene: Nodigi_66 Start: 44677, Stop: 44982, Start Num: 1
Candidate Starts for Nodigi_66:
(Start: 1 @44677 has 9 MA's), (3, 44689), (5, 44704), (11, 44740), (17, 44812), (18, 44836), (21, 44884), (22, 44890), (24, 44932), (25, 44941), (31, 44965),

Gene: Orla_67 Start: 44811, Stop: 45116, Start Num: 1
Candidate Starts for Orla_67:
(Start: 1 @44811 has 9 MA's), (3, 44823), (5, 44838), (11, 44874), (17, 44946), (18, 44970), (21, 45018), (22, 45024), (24, 45066), (25, 45075), (31, 45099),

Gene: RanchParmCat_65 Start: 43734, Stop: 44033, Start Num: 1
Candidate Starts for RanchParmCat_65:
(Start: 1 @43734 has 9 MA's), (10, 43791), (11, 43797), (17, 43869), (19, 43905), (20, 43932), (22, 43947), (25, 43998),

Gene: Yakult_62 Start: 43485, Stop: 43784, Start Num: 1
Candidate Starts for Yakult_62:
(Start: 1 @43485 has 9 MA's), (2, 43494), (6, 43515), (10, 43542), (11, 43548), (15, 43608), (18, 43644), (19, 43656), (20, 43683), (21, 43692), (25, 43749),