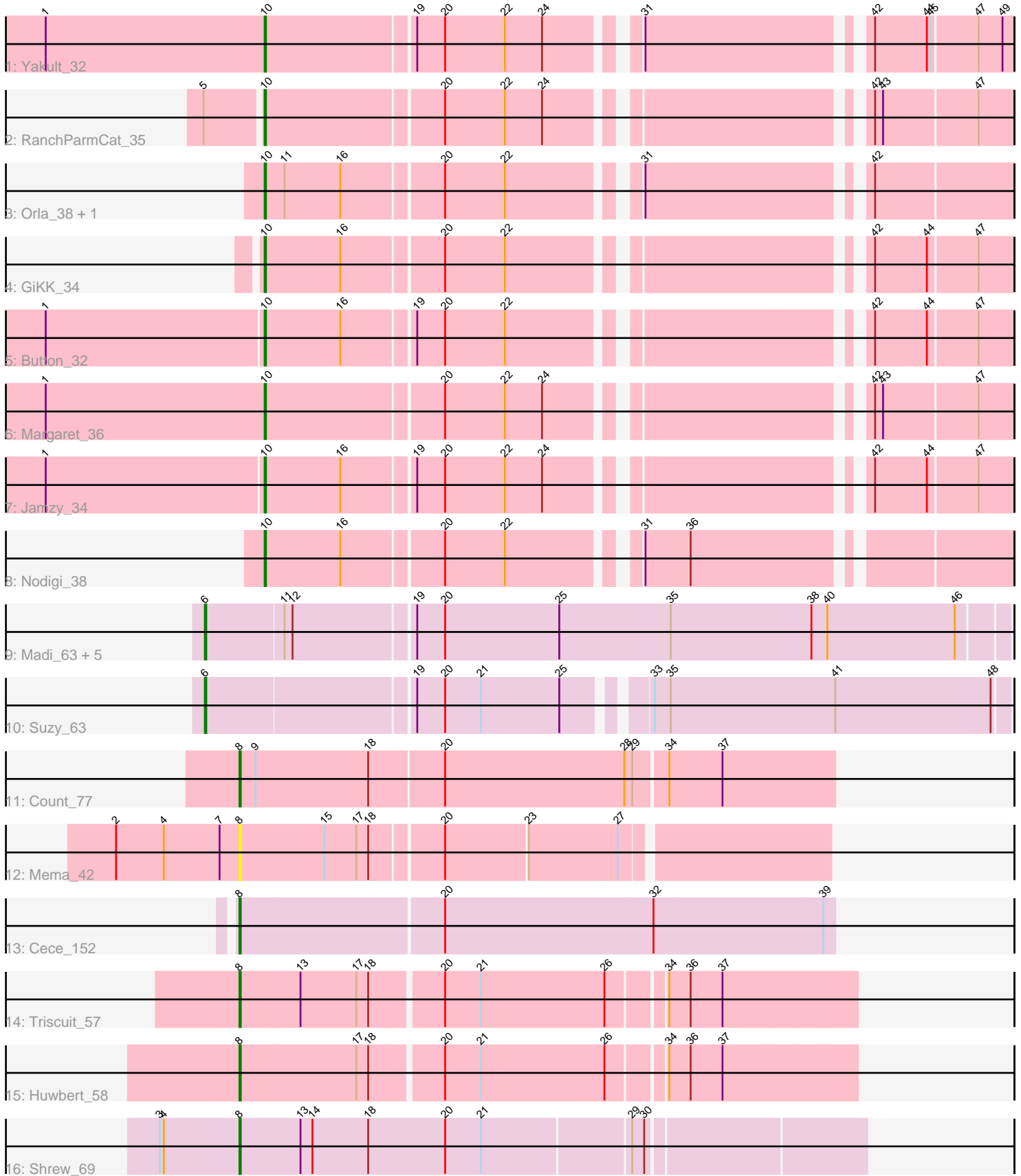


Pham 305307



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 305307 Report

This analysis was run 06/08/26 on database version 649.

Pham number 305307 has 22 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Yakult_32
- Track 2 : RanchParmCat_35
- Track 3 : Orla_38, Hexbug_38
- Track 4 : GiKK_34
- Track 5 : Button_32
- Track 6 : Margaret_36
- Track 7 : Jamzy_34
- Track 8 : Nodigi_38
- Track 9 : Madi_63, BiteSize_63, Terapin_64, Beyoncage_63, Sienna_63, Djokovic_63
- Track 10 : Suzy_63
- Track 11 : Count_77
- Track 12 : Mema_42
- Track 13 : Cece_152
- Track 14 : Triscuit_57
- Track 15 : Huwbert_58
- Track 16 : Shrew_69

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

The start number called the most often in the published annotations is 10, it was called in 9 of the 21 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Button_32, GiKK_34, Hexbug_38, Jamzy_34, Margaret_36, Nodigi_38, Orla_38, RanchParmCat_35, Yakult_32,

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

-

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

- Beyoncage_63, BiteSize_63, Cece_152, Count_77, Djokovic_63, Huwbert_58, Madi_63, Mema_42, Shrew_69, Sienna_63, Suzy_63, Terapin_64, Triscuit_57,

Summary by start number:

Start 6:

- Found in 7 of 22 (31.8%) of genes in pham
- Manual Annotations of this start: 7 of 21
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Beyoncage_63 (DG1), BiteSize_63 (DG1), Djokovic_63 (DG1), Madi_63 (DG1), Sienna_63 (DG1), Suzy_63 (DG1), Terapin_64 (DG1),

Start 8:

- Found in 6 of 22 (27.3%) of genes in pham
- Manual Annotations of this start: 5 of 21
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Cece_152 (GD3), Count_77 (EL), Huwbert_58 (GG), Mema_42 (EL), Shrew_69 (singleton), Triscuit_57 (GG),

Start 10:

- Found in 9 of 22 (40.9%) of genes in pham
- Manual Annotations of this start: 9 of 21
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Button_32 (CT), GiKK_34 (CT), Hexbug_38 (CT), Jamzy_34 (CT), Margaret_36 (CT), Nodigi_38 (CT), Orla_38 (CT), RanchParmCat_35 (CT), Yakult_32 (CT),

Summary by clusters:

There are 6 clusters represented in this pham: EL, singleton, GD3, GG, DG1, CT,

Info for manual annotations of cluster CT:

- Start number 10 was manually annotated 9 times for cluster CT.

Info for manual annotations of cluster DG1:

- Start number 6 was manually annotated 7 times for cluster DG1.

Info for manual annotations of cluster EL:

- Start number 8 was manually annotated 1 time for cluster EL.

Info for manual annotations of cluster GD3:

- Start number 8 was manually annotated 1 time for cluster GD3.

Info for manual annotations of cluster GG:

- Start number 8 was manually annotated 2 times for cluster GG.

Gene Information:

Gene: Beyoncage_63 Start: 45935, Stop: 46522, Start Num: 6

Candidate Starts for Beyoncage_63:

(Start: 6 @45935 has 7 MA's), (11, 45992), (12, 45998), (19, 46085), (20, 46106), (25, 46190), (35, 46274), (38, 46379), (40, 46391), (46, 46487),

Gene: BiteSize_63 Start: 46021, Stop: 46608, Start Num: 6
Candidate Starts for BiteSize_63:
(Start: 6 @46021 has 7 MA's), (11, 46078), (12, 46084), (19, 46171), (20, 46192), (25, 46276), (35, 46360), (38, 46465), (40, 46477), (46, 46573),

Gene: Button_32 Start: 24393, Stop: 23887, Start Num: 10
Candidate Starts for Button_32:
(1, 24555), (Start: 10 @24393 has 9 MA's), (16, 24336), (19, 24285), (20, 24264), (22, 24219), (42, 23988), (44, 23949), (47, 23913),

Gene: Cece_152 Start: 95876, Stop: 96316, Start Num: 8
Candidate Starts for Cece_152:
(Start: 8 @95876 has 5 MA's), (20, 96026), (32, 96182), (39, 96308),

Gene: Count_77 Start: 54096, Stop: 54533, Start Num: 8
Candidate Starts for Count_77:
(Start: 8 @54096 has 5 MA's), (9, 54108), (18, 54192), (20, 54246), (28, 54381), (29, 54387), (34, 54411), (37, 54450),

Gene: Djokovic_63 Start: 45934, Stop: 46521, Start Num: 6
Candidate Starts for Djokovic_63:
(Start: 6 @45934 has 7 MA's), (11, 45991), (12, 45997), (19, 46084), (20, 46105), (25, 46189), (35, 46273), (38, 46378), (40, 46390), (46, 46486),

Gene: GiKK_34 Start: 24696, Stop: 24190, Start Num: 10
Candidate Starts for GiKK_34:
(Start: 10 @24696 has 9 MA's), (16, 24639), (20, 24567), (22, 24522), (42, 24291), (44, 24252), (47, 24216),

Gene: Hexbug_38 Start: 26930, Stop: 26424, Start Num: 10
Candidate Starts for Hexbug_38:
(Start: 10 @26930 has 9 MA's), (11, 26915), (16, 26873), (20, 26801), (22, 26756), (31, 26675), (42, 26525),

Gene: Huwbert_58 Start: 36365, Stop: 36808, Start Num: 8
Candidate Starts for Huwbert_58:
(Start: 8 @36365 has 5 MA's), (17, 36452), (18, 36461), (20, 36512), (21, 36539), (26, 36632), (34, 36671), (36, 36686), (37, 36710),

Gene: Jamzy_34 Start: 24705, Stop: 24199, Start Num: 10
Candidate Starts for Jamzy_34:
(1, 24867), (Start: 10 @24705 has 9 MA's), (16, 24648), (19, 24597), (20, 24576), (22, 24531), (24, 24504), (42, 24300), (44, 24261), (47, 24225),

Gene: Madi_63 Start: 46012, Stop: 46599, Start Num: 6
Candidate Starts for Madi_63:
(Start: 6 @46012 has 7 MA's), (11, 46069), (12, 46075), (19, 46162), (20, 46183), (25, 46267), (35, 46351), (38, 46456), (40, 46468), (46, 46564),

Gene: Margaret_36 Start: 25349, Stop: 24843, Start Num: 10
Candidate Starts for Margaret_36:
(1, 25514), (Start: 10 @25349 has 9 MA's), (20, 25220), (22, 25175), (24, 25148), (42, 24944), (43, 24938), (47, 24869),

Gene: Mema_42 Start: 33083, Stop: 33502, Start Num: 8

Candidate Starts for Mema_42:

(2, 32990), (4, 33026), (7, 33068), (Start: 8 @33083 has 5 MA's), (15, 33146), (17, 33170), (18, 33179), (20, 33230), (23, 33290), (27, 33356),

Gene: Nodigi_38 Start: 26927, Stop: 26421, Start Num: 10

Candidate Starts for Nodigi_38:

(Start: 10 @26927 has 9 MA's), (16, 26870), (20, 26798), (22, 26753), (31, 26672), (36, 26639),

Gene: Orla_38 Start: 26901, Stop: 26395, Start Num: 10

Candidate Starts for Orla_38:

(Start: 10 @26901 has 9 MA's), (11, 26886), (16, 26844), (20, 26772), (22, 26727), (31, 26646), (42, 26496),

Gene: RanchParmCat_35 Start: 25554, Stop: 25048, Start Num: 10

Candidate Starts for RanchParmCat_35:

(5, 25593), (Start: 10 @25554 has 9 MA's), (20, 25425), (22, 25380), (24, 25353), (42, 25149), (43, 25143), (47, 25074),

Gene: Shrew_69 Start: 40329, Stop: 40781, Start Num: 8

Candidate Starts for Shrew_69:

(3, 40269), (4, 40272), (Start: 8 @40329 has 5 MA's), (13, 40374), (14, 40383), (18, 40425), (20, 40482), (21, 40509), (29, 40617), (30, 40626),

Gene: Sienna_63 Start: 46012, Stop: 46599, Start Num: 6

Candidate Starts for Sienna_63:

(Start: 6 @46012 has 7 MA's), (11, 46069), (12, 46075), (19, 46162), (20, 46183), (25, 46267), (35, 46351), (38, 46456), (40, 46468), (46, 46564),

Gene: Suzy_63 Start: 47223, Stop: 47792, Start Num: 6

Candidate Starts for Suzy_63:

(Start: 6 @47223 has 7 MA's), (19, 47373), (20, 47394), (21, 47421), (25, 47478), (33, 47529), (35, 47541), (41, 47664), (48, 47781),

Gene: Terapin_64 Start: 45936, Stop: 46523, Start Num: 6

Candidate Starts for Terapin_64:

(Start: 6 @45936 has 7 MA's), (11, 45993), (12, 45999), (19, 46086), (20, 46107), (25, 46191), (35, 46275), (38, 46380), (40, 46392), (46, 46488),

Gene: Triscuit_57 Start: 36287, Stop: 36730, Start Num: 8

Candidate Starts for Triscuit_57:

(Start: 8 @36287 has 5 MA's), (13, 36332), (17, 36374), (18, 36383), (20, 36434), (21, 36461), (26, 36554), (34, 36593), (36, 36608), (37, 36632),

Gene: Yakult_32 Start: 24317, Stop: 23811, Start Num: 10

Candidate Starts for Yakult_32:

(1, 24482), (Start: 10 @24317 has 9 MA's), (19, 24209), (20, 24188), (22, 24143), (24, 24116), (31, 24062), (42, 23912), (44, 23873), (45, 23870), (47, 23837), (49, 23819),