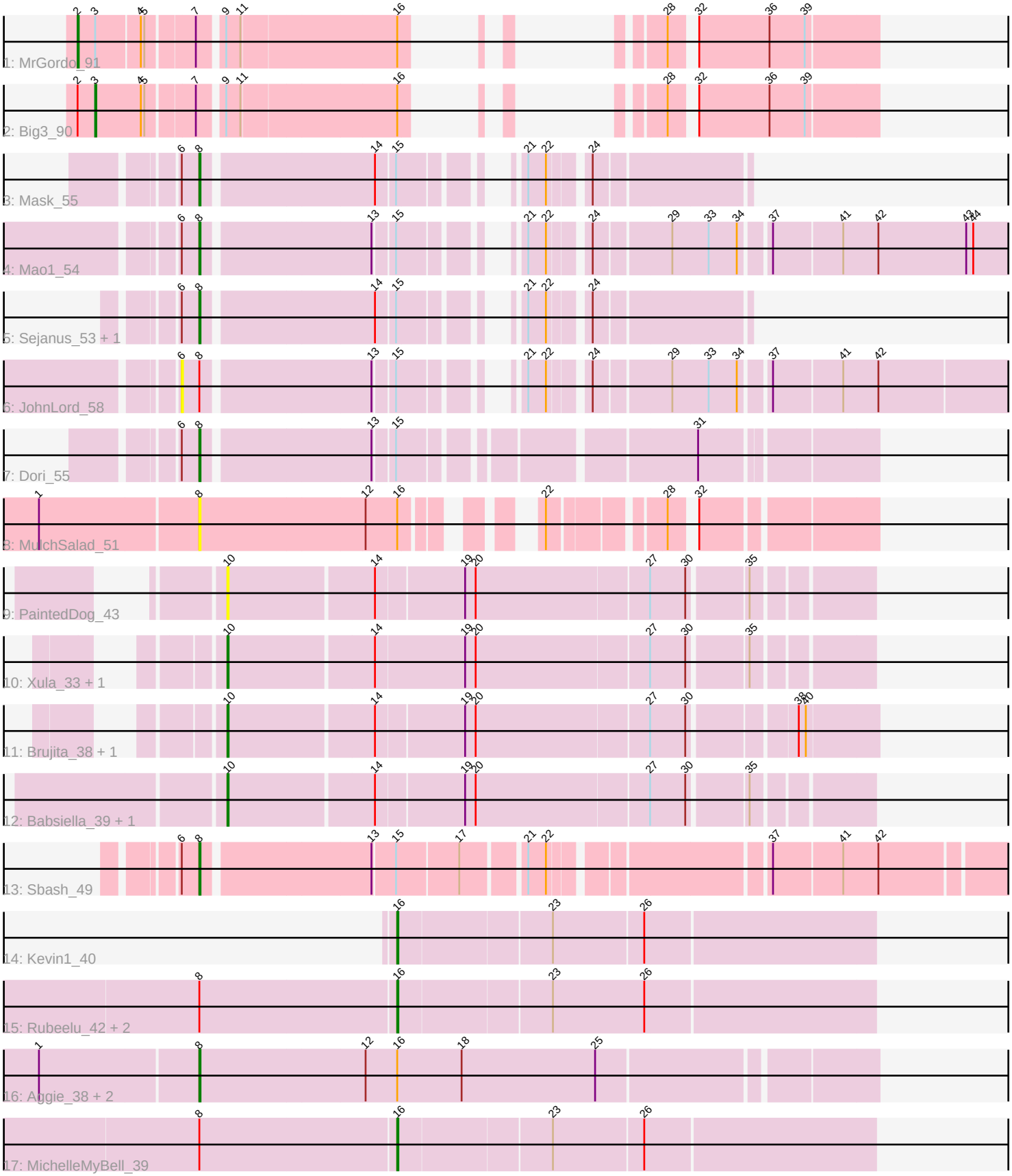
Pham 305271


1: MrGordo_91
2: Big3_90
3: Mask_55
4: Mao1_54
5: Sejanus_53 + 1
6: JohnLord_58
7: Dori_55
8: MulchSalad_51
9: PaintedDog_43
10: Xula_33 + 1
11: Brujita_38 + 1
12: Babsiella_39 + 1
13: Sbash_49
14: Kevin1_40
15: Rubeelu_42 + 2
16: Aggie_38 + 2
17: MichelleMyBell_39

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 305271 Report

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

Pham number 305271 has 25 members, 5 are drafts.

Phages represented in each track:
- Track 1 : MrGordo_91
- Track 2 : Big3_90
- Track 3 : Mask_55
- Track 4 : Mao1_54
- Track 5 : Sejanus_53, Caterpie_55
- Track 6 : JohnLord_58
- Track 7 : Dori_55
- Track 8 : MulchSalad_51
- Track 9 : PaintedDog_43
- Track 10 : Xula_33, QueenHazel_34
- Track 11 : Brujita_38, Island3_38
- Track 12 : Babsiella_39, HC_37
- Track 13 : Sbash_49
- Track 14 : Kevin1_40
- Track 15 : Rubeelu_42, Philonius_39, Butters_42
- Track 16 : Aggie_38, Silvy_38, Scitech_37
- Track 17 : MichelleMyBell_39

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

The start number called the most often in the published annotations is 8, it was called in 7 of the 20 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
- Aggie_38, Caterpie_55, Dori_55, Mao1_54, Mask_55, MulchSalad_51, Sbash_49, Scitech_37, Sejanus_53, Silvy_38,

Genes that have the "Most Annotated" start but do not call it:
- Butters_42, JohnLord_58, MichelleMyBell_39, Philonius_39, Rubeelu_42,

Genes that do not have the "Most Annotated" start:
- Babsiella_39, Big3_90, Brujita_38, HC_37, Island3_38, Kevin1_40, MrGordo_91, PaintedDog_43, QueenHazel_34, Xula_33,

Summary by start number:

Start 2:
• Found in 2 of 25 (8.0%) of genes in pham
• Manual Annotations of this start: 1 of 20
• Called 50.0% of time when present
• Phage (with cluster) where this start called: MrGordo_91 (A1),

Start 3:
• Found in 2 of 25 (8.0%) of genes in pham
• Manual Annotations of this start: 1 of 20
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Big3_90 (A1),

Start 6:
• Found in 7 of 25 (28.0%) of genes in pham
• No Manual Annotations of this start.
• Called 14.3% of time when present
• Phage (with cluster) where this start called: JohnLord_58 (AD),

Start 8:
• Found in 15 of 25 (60.0%) of genes in pham
• Manual Annotations of this start: 7 of 20
• Called 66.7% of time when present
• Phage (with cluster) where this start called: Aggie_38 (N), Caterpie_55 (AD), Dori_55 (AD), Mao1_54 (AD), Mask_55 (AD), MulchSalad_51 (F7), Sbash_49 (I2), Scitech_37 (N), Sejanus_53 (AD), Silvy_38 (N),

Start 10:
• Found in 7 of 25 (28.0%) of genes in pham
• Manual Annotations of this start: 6 of 20
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Babsiella_39 (I1), Brujita_38 (I1), HC_37 (I1), Island3_38 (I1), PaintedDog_43 (I1), QueenHazel_34 (I1), Xula_33 (I1),

Start 16:
• Found in 11 of 25 (44.0%) of genes in pham
• Manual Annotations of this start: 5 of 20
• Called 45.5% of time when present
• Phage (with cluster) where this start called: Butters_42 (N), Kevin1_40 (N), MichelleMyBell_39 (N), Philonius_39 (N), Rubeelu_42 (N),

Summary by clusters:

There are 6 clusters represented in this pham: AD, F7, I1, I2, N, A1,

Info for manual annotations of cluster A1:
•Start number 2 was manually annotated 1 time for cluster A1.
•Start number 3 was manually annotated 1 time for cluster A1.

Info for manual annotations of cluster AD:
•Start number 8 was manually annotated 4 times for cluster AD.

Info for manual annotations of cluster I1:
•Start number 10 was manually annotated 6 times for cluster I1.

Info for manual annotations of cluster I2:
•Start number 8 was manually annotated 1 time for cluster I2.

Info for manual annotations of cluster N:
•Start number 8 was manually annotated 2 times for cluster N.
•Start number 16 was manually annotated 5 times for cluster N.

Gene Information:

Gene: Aggie_38 Start: 28626, Stop: 29180, Start Num: 8
Candidate Starts for Aggie_38:
(1, 28494), (Start: 8 @28626 has 7 MA's), (12, 28764), (Start: 16 @28791 has 5 MA's), (18, 28845), (25, 28959),

Gene: Babsiella_39 Start: 30203, Stop: 30715, Start Num: 10
Candidate Starts for Babsiella_39:
(Start: 10 @30203 has 6 MA's), (14, 30323), (19, 30395), (20, 30404), (27, 30548), (30, 30578), (35, 30623),

Gene: Big3_90 Start: 52730, Stop: 52278, Start Num: 3
Candidate Starts for Big3_90:
(Start: 2 @52745 has 1 MA's), (Start: 3 @52730 has 1 MA's), (4, 52691), (5, 52688), (7, 52652), (9, 52634), (11, 52622), (Start: 16 @52496 has 5 MA's), (28, 52442), (32, 52427), (36, 52367), (39, 52337),

Gene: Brujita_38 Start: 30937, Stop: 31458, Start Num: 10
Candidate Starts for Brujita_38:
(Start: 10 @30937 has 6 MA's), (14, 31057), (19, 31129), (20, 31138), (27, 31282), (30, 31312), (38, 31393), (40, 31399),

Gene: Butters_42 Start: 30620, Stop: 31015, Start Num: 16
Candidate Starts for Butters_42:
(Start: 8 @30455 has 7 MA's), (Start: 16 @30620 has 5 MA's), (23, 30746), (26, 30824),

Gene: Caterpie_55 Start: 45359, Stop: 45742, Start Num: 8
Candidate Starts for Caterpie_55:
(6, 45344), (Start: 8 @45359 has 7 MA's), (14, 45497), (15, 45512), (21, 45578), (22, 45593), (24, 45620),

Gene: Dori_55 Start: 46509, Stop: 47012, Start Num: 8
Candidate Starts for Dori_55:
(6, 46494), (Start: 8 @46509 has 7 MA's), (13, 46644), (15, 46659), (31, 46875),

Gene: HC_37 Start: 28984, Stop: 29496, Start Num: 10
Candidate Starts for HC_37:
(Start: 10 @28984 has 6 MA's), (14, 29104), (19, 29176), (20, 29185), (27, 29329), (30, 29359), (35, 29404),

Gene: Island3_38 Start: 30937, Stop: 31458, Start Num: 10
Candidate Starts for Island3_38:
(Start: 10 @30937 has 6 MA's), (14, 31057), (19, 31129), (20, 31138), (27, 31282), (30, 31312), (38, 31393), (40, 31399),

Gene: JohnLord_58 Start: 45780, Stop: 46412, Start Num: 6
Candidate Starts for JohnLord_58:
(6, 45780), (Start: 8 @45795 has 7 MA's), (13, 45930), (15, 45945), (21, 46011), (22, 46026), (24, 46053), (29, 46113), (33, 46143), (34, 46167), (37, 46188), (41, 46245), (42, 46275),

Gene: Kevin1_40 Start: 29799, Stop: 30191, Start Num: 16
Candidate Starts for Kevin1_40:
(Start: 16 @29799 has 5 MA's), (23, 29925), (26, 30000),

Gene: Mao1_54 Start: 44798, Stop: 45418, Start Num: 8
Candidate Starts for Mao1_54:
(6, 44783), (Start: 8 @44798 has 7 MA's), (13, 44933), (15, 44948), (21, 45014), (22, 45029), (24, 45056), (29, 45116), (33, 45146), (34, 45170), (37, 45191), (41, 45248), (42, 45278), (43, 45353), (44, 45359),

Gene: Mask_55 Start: 47356, Stop: 47739, Start Num: 8
Candidate Starts for Mask_55:
(6, 47341), (Start: 8 @47356 has 7 MA's), (14, 47494), (15, 47509), (21, 47575), (22, 47590), (24, 47617),

Gene: MichelleMyBell_39 Start: 28891, Stop: 29283, Start Num: 16
Candidate Starts for MichelleMyBell_39:
(Start: 8 @28726 has 7 MA's), (Start: 16 @28891 has 5 MA's), (23, 29017), (26, 29092),

Gene: MrGordo_91 Start: 50305, Stop: 49841, Start Num: 2
Candidate Starts for MrGordo_91:
(Start: 2 @50305 has 1 MA's), (Start: 3 @50290 has 1 MA's), (4, 50254), (5, 50251), (7, 50215), (9, 50197), (11, 50185), (Start: 16 @50059 has 5 MA's), (28, 50005), (32, 49990), (36, 49930), (39, 49900),

Gene: MulchSalad_51 Start: 34761, Stop: 35228, Start Num: 8
Candidate Starts for MulchSalad_51:
(1, 34629), (Start: 8 @34761 has 7 MA's), (12, 34899), (Start: 16 @34926 has 5 MA's), (22, 34995), (28, 35076), (32, 35091),

Gene: PaintedDog_43 Start: 31834, Stop: 32346, Start Num: 10
Candidate Starts for PaintedDog_43:
(Start: 10 @31834 has 6 MA's), (14, 31954), (19, 32026), (20, 32035), (27, 32179), (30, 32209), (35, 32254),

Gene: Philonius_39 Start: 28559, Stop: 28951, Start Num: 16
Candidate Starts for Philonius_39:
(Start: 8 @28394 has 7 MA's), (Start: 16 @28559 has 5 MA's), (23, 28685), (26, 28760),

Gene: QueenHazel_34 Start: 28973, Stop: 29488, Start Num: 10
Candidate Starts for QueenHazel_34:

(Start: 10 @28973 has 6 MA's), (14, 29093), (19, 29168), (20, 29177), (27, 29321), (30, 29351), (35, 29396),

Gene: Rubeelu_42 Start: 30620, Stop: 31015, Start Num: 16
Candidate Starts for Rubeelu_42:
(Start: 8 @30455 has 7 MA's), (Start: 16 @30620 has 5 MA's), (23, 30746), (26, 30824),

Gene: Sbash_49 Start: 38081, Stop: 38728, Start Num: 8
Candidate Starts for Sbash_49:
(6, 38066), (Start: 8 @38081 has 7 MA's), (13, 38216), (15, 38234), (17, 38285), (21, 38333), (22, 38348), (37, 38510), (41, 38567), (42, 38597),

Gene: Scitech_37 Start: 27823, Stop: 28377, Start Num: 8
Candidate Starts for Scitech_37:
(1, 27691), (Start: 8 @27823 has 7 MA's), (12, 27961), (Start: 16 @27988 has 5 MA's), (18, 28042), (25, 28156),

Gene: Sejanus_53 Start: 46287, Stop: 46670, Start Num: 8
Candidate Starts for Sejanus_53:
(6, 46272), (Start: 8 @46287 has 7 MA's), (14, 46425), (15, 46440), (21, 46506), (22, 46521), (24, 46548),

Gene: Silvy_38 Start: 28626, Stop: 29180, Start Num: 8
Candidate Starts for Silvy_38:
(1, 28494), (Start: 8 @28626 has 7 MA's), (12, 28764), (Start: 16 @28791 has 5 MA's), (18, 28845), (25, 28959),

Gene: Xula_33 Start: 28497, Stop: 29012, Start Num: 10
Candidate Starts for Xula_33:
(Start: 10 @28497 has 6 MA's), (14, 28617), (19, 28692), (20, 28701), (27, 28845), (30, 28875), (35, 28920),