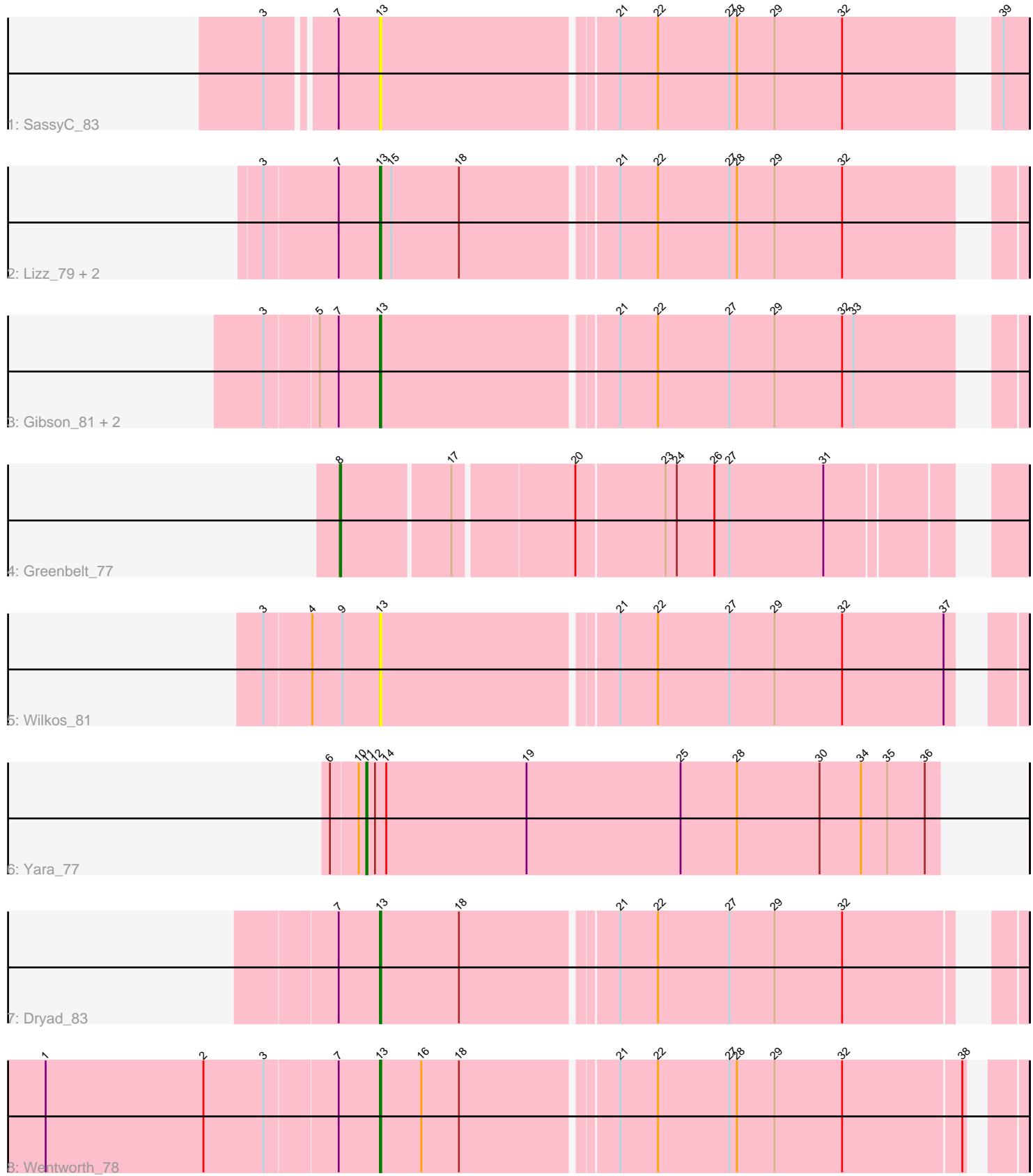


Pham 239394



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 239394 Report

This analysis was run 02/07/26 on database version 634.

Pham number 239394 has 12 members, 3 are drafts.

Phages represented in each track:

- Track 1 : SassyC_83
- Track 2 : Lizz_79, PHTowN_79, ShakeNBake_79
- Track 3 : Gibson_81, Rooney_81, Virizion_87
- Track 4 : Greenbelt_77
- Track 5 : Wilkos_81
- Track 6 : Yara_77
- Track 7 : Dryad_83
- Track 8 : Wentworth_78

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

The start number called the most often in the published annotations is 13, it was called in 7 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Dryad_83, Gibson_81, Lizz_79, PHTowN_79, Rooney_81, SassyC_83, ShakeNBake_79, Virizion_87, Wentworth_78, Wilkos_81,

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

-

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

- Greenbelt_77, Yara_77,

Summary by start number:

Start 8:

- Found in 1 of 12 (8.3%) of genes in pham
- Manual Annotations of this start: 1 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Greenbelt_77 (BN),

Start 11:

- Found in 1 of 12 (8.3%) of genes in pham

- Manual Annotations of this start: 1 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Yara_77 (BN),

Start 13:

- Found in 10 of 12 (83.3%) of genes in pham
- Manual Annotations of this start: 7 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Dryad_83 (BN), Gibson_81 (BN), Lizz_79 (BN), PHTowN_79 (BN), Rooney_81 (BN), SassyC_83 (BN), ShakeNBake_79 (BN), Virizion_87 (BN), Wentworth_78 (BN), Wilkos_81 (BN),

Summary by clusters:

There is one cluster represented in this pham: BN

Info for manual annotations of cluster BN:

- Start number 8 was manually annotated 1 time for cluster BN.
- Start number 11 was manually annotated 1 time for cluster BN.
- Start number 13 was manually annotated 7 times for cluster BN.

Gene Information:

Gene: Dryad_83 Start: 54825, Stop: 54355, Start Num: 13

Candidate Starts for Dryad_83:

(7, 54858), (Start: 13 @54825 has 7 MA's), (18, 54762), (21, 54645), (22, 54615), (27, 54558), (29, 54522), (32, 54468),

Gene: Gibson_81 Start: 54626, Stop: 54153, Start Num: 13

Candidate Starts for Gibson_81:

(3, 54713), (5, 54674), (7, 54659), (Start: 13 @54626 has 7 MA's), (21, 54446), (22, 54416), (27, 54359), (29, 54323), (32, 54269), (33, 54260),

Gene: Greenbelt_77 Start: 50420, Stop: 49926, Start Num: 8

Candidate Starts for Greenbelt_77:

(Start: 8 @50420 has 1 MA's), (17, 50336), (20, 50246), (23, 50177), (24, 50168), (26, 50138), (27, 50126), (31, 50051),

Gene: Lizz_79 Start: 54283, Stop: 53810, Start Num: 13

Candidate Starts for Lizz_79:

(3, 54373), (7, 54316), (Start: 13 @54283 has 7 MA's), (15, 54274), (18, 54220), (21, 54103), (22, 54073), (27, 54016), (28, 54010), (29, 53980), (32, 53926),

Gene: PHTowN_79 Start: 54281, Stop: 53808, Start Num: 13

Candidate Starts for PHTowN_79:

(3, 54371), (7, 54314), (Start: 13 @54281 has 7 MA's), (15, 54272), (18, 54218), (21, 54101), (22, 54071), (27, 54014), (28, 54008), (29, 53978), (32, 53924),

Gene: Rooney_81 Start: 54632, Stop: 54129, Start Num: 13

Candidate Starts for Rooney_81:

(3, 54719), (5, 54680), (7, 54665), (Start: 13 @54632 has 7 MA's), (21, 54452), (22, 54422), (27, 54365), (29, 54329), (32, 54275), (33, 54266),

Gene: SassyC_83 Start: 54649, Stop: 54173, Start Num: 13

Candidate Starts for SassyC_83:

(3, 54730), (7, 54682), (Start: 13 @54649 has 7 MA's), (21, 54469), (22, 54439), (27, 54382), (28, 54376), (29, 54346), (32, 54292), (39, 54193),

Gene: ShakeNBake_79 Start: 54308, Stop: 53835, Start Num: 13

Candidate Starts for ShakeNBake_79:

(3, 54398), (7, 54341), (Start: 13 @54308 has 7 MA's), (15, 54299), (18, 54245), (21, 54128), (22, 54098), (27, 54041), (28, 54035), (29, 54005), (32, 53951),

Gene: Virizion_87 Start: 54822, Stop: 54349, Start Num: 13

Candidate Starts for Virizion_87:

(3, 54909), (5, 54870), (7, 54855), (Start: 13 @54822 has 7 MA's), (21, 54642), (22, 54612), (27, 54555), (29, 54519), (32, 54465), (33, 54456),

Gene: Wentworth_78 Start: 53720, Stop: 53238, Start Num: 13

Candidate Starts for Wentworth_78:

(1, 53981), (2, 53855), (3, 53807), (7, 53753), (Start: 13 @53720 has 7 MA's), (16, 53687), (18, 53657), (21, 53540), (22, 53510), (27, 53453), (28, 53447), (29, 53417), (32, 53363), (38, 53270),

Gene: Wilkos_81 Start: 54217, Stop: 53741, Start Num: 13

Candidate Starts for Wilkos_81:

(3, 54307), (4, 54271), (9, 54247), (Start: 13 @54217 has 7 MA's), (21, 54037), (22, 54007), (27, 53950), (29, 53914), (32, 53860), (37, 53779),

Gene: Yara_77 Start: 53360, Stop: 52905, Start Num: 11

Candidate Starts for Yara_77:

(6, 53387), (10, 53366), (Start: 11 @53360 has 1 MA's), (12, 53354), (14, 53345), (19, 53234), (25, 53111), (28, 53066), (30, 53000), (34, 52967), (35, 52946), (36, 52916),