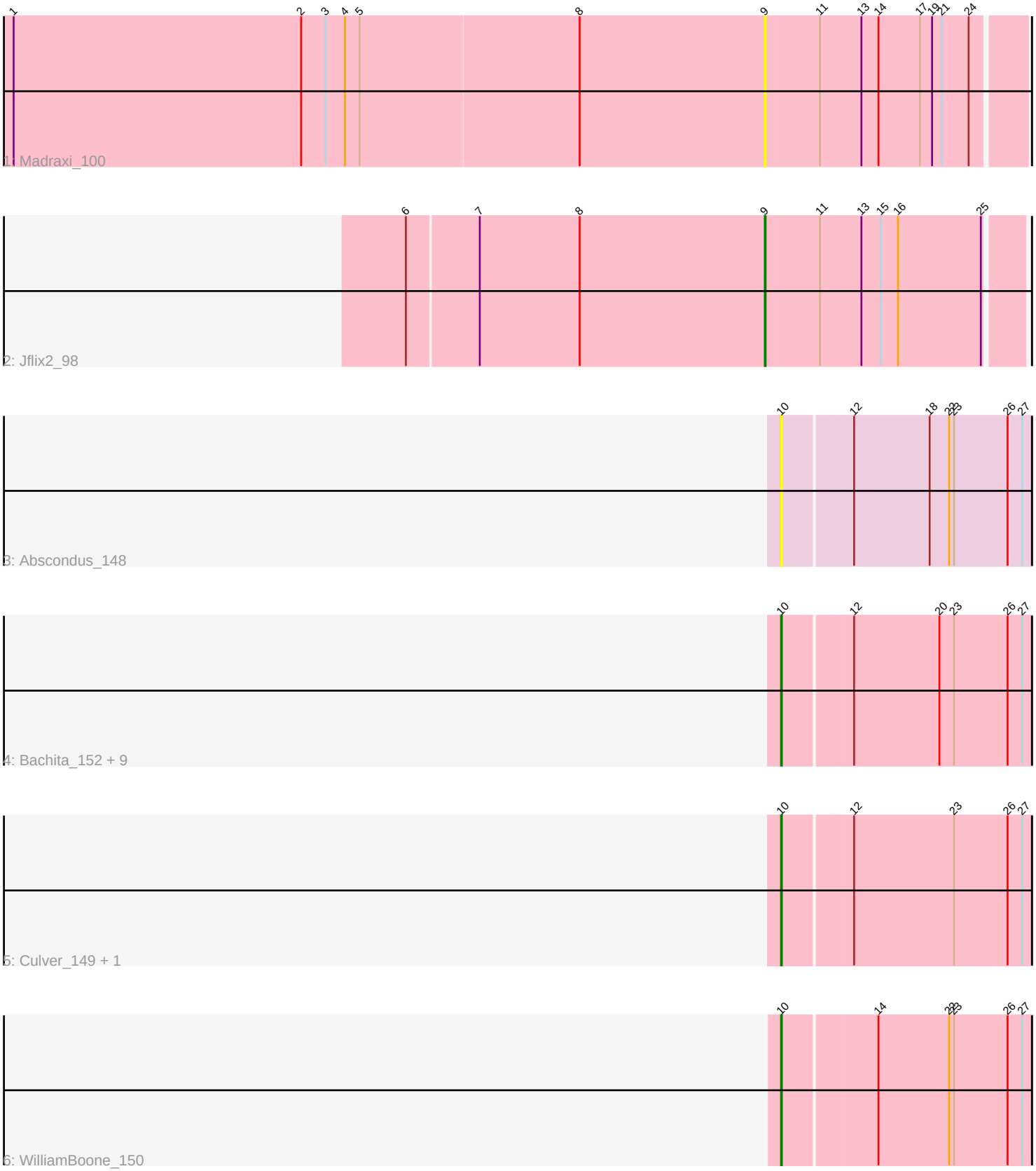
Pham 158237


1: Madraxi_100
2: Jflix2_98
3: Abscondus_148
4: Bachita_152 + 9
5: Culver_149 + 1
6: WilliamBoone_150

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 158237 Report

This analysis was run 04/13/24 on database version 558.

Pham number 158237 has 16 members, 4 are drafts.

Phages represented in each track:
• Track 1 : Madraxi_100
• Track 2 : Jflix2_98
• Track 3 : Abscondus_148
• Track 4 : Bachita_152, PhinkBoden_147, Lozinak_149, Norvs_147, Miskis_147, Toniann_149, Aphelion_148, Engineer_151, Cucurbita_148, Dusty_145
• Track 5 : Culver_149, Smoothie_150
• Track 6 : WilliamBoone_150

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 11 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Abscondus_148, Aphelion_148, Bachita_152, Cucurbita_148, Culver_149, Dusty_145, Engineer_151, Lozinak_149, Miskis_147, Norvs_147, PhinkBoden_147, Smoothie_150, Toniann_149, WilliamBoone_150,

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

Genes that do not have the "Most Annotated" start:
• Jflix2_98, Madraxi_100,

Summary by start number:

Start 9:
• Found in 2 of 16 (12.5%) of genes in pham
• Manual Annotations of this start: 1 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Jflix2_98 (CF), Madraxi_100 (CF),

Start 10:
• Found in 14 of 16 (87.5%) of genes in pham

• Manual Annotations of this start: 11 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Abscondus_148 (CQ), Aphelion_148 (CQ1), Bachita_152 (CQ1), Cucurbita_148 (CQ1), Culver_149 (CQ1), Dusty_145 (CQ), Engineer_151 (CQ1), Lozinak_149 (CQ1), Miskis_147 (CQ), Norvs_147 (CQ), PhinkBoden_147 (CQ1), Smoothie_150 (CQ1), Toniann_149 (CQ1), WilliamBoone_150 (CQ1),

Summary by clusters:

There are 3 clusters represented in this pham: CQ1, CQ, CF,

Info for manual annotations of cluster CF:
•Start number 9 was manually annotated 1 time for cluster CF.

Info for manual annotations of cluster CQ:
•Start number 10 was manually annotated 1 time for cluster CQ.

Info for manual annotations of cluster CQ1:
•Start number 10 was manually annotated 10 times for cluster CQ1.

Gene Information:

Gene: Abscondus_148 Start: 80394, Stop: 80693, Start Num: 10
Candidate Starts for Abscondus_148:
(Start: 10 @80394 has 11 MA's), (12, 80475), (18, 80568), (22, 80592), (23, 80598), (26, 80664), (27, 80682),

Gene: Aphelion_148 Start: 81287, Stop: 81586, Start Num: 10
Candidate Starts for Aphelion_148:
(Start: 10 @81287 has 11 MA's), (12, 81368), (20, 81473), (23, 81491), (26, 81557), (27, 81575),

Gene: Bachita_152 Start: 81434, Stop: 81733, Start Num: 10
Candidate Starts for Bachita_152:
(Start: 10 @81434 has 11 MA's), (12, 81515), (20, 81620), (23, 81638), (26, 81704), (27, 81722),

Gene: Cucurbita_148 Start: 81747, Stop: 82046, Start Num: 10
Candidate Starts for Cucurbita_148:
(Start: 10 @81747 has 11 MA's), (12, 81828), (20, 81933), (23, 81951), (26, 82017), (27, 82035),

Gene: Culver_149 Start: 80011, Stop: 80310, Start Num: 10
Candidate Starts for Culver_149:
(Start: 10 @80011 has 11 MA's), (12, 80092), (23, 80215), (26, 80281), (27, 80299),

Gene: Dusty_145 Start: 80222, Stop: 80521, Start Num: 10
Candidate Starts for Dusty_145:
(Start: 10 @80222 has 11 MA's), (12, 80303), (20, 80408), (23, 80426), (26, 80492), (27, 80510),

Gene: Engineer_151 Start: 81270, Stop: 81569, Start Num: 10
Candidate Starts for Engineer_151:
(Start: 10 @81270 has 11 MA's), (12, 81351), (20, 81456), (23, 81474), (26, 81540), (27, 81558),

Gene: Jflix2_98 Start: 56001, Stop: 56309, Start Num: 9
Candidate Starts for Jflix2_98:
(6, 55566), (7, 55650), (8, 55773), (Start: 9 @56001 has 1 MA's), (11, 56067), (13, 56118), (15, 56142), (16, 56163), (25, 56265),

Gene: Lozinak_149 Start: 81275, Stop: 81574, Start Num: 10
Candidate Starts for Lozinak_149:
(Start: 10 @81275 has 11 MA's), (12, 81356), (20, 81461), (23, 81479), (26, 81545), (27, 81563),

Gene: Madraxi_100 Start: 58159, Stop: 58470, Start Num: 9
Candidate Starts for Madraxi_100:
(1, 57238), (2, 57592), (3, 57622), (4, 57646), (5, 57664), (8, 57931), (Start: 9 @58159 has 1 MA's), (11, 58225), (13, 58276), (14, 58297), (17, 58348), (19, 58363), (21, 58375), (24, 58408),

Gene: Miskis_147 Start: 80036, Stop: 80335, Start Num: 10
Candidate Starts for Miskis_147:
(Start: 10 @80036 has 11 MA's), (12, 80117), (20, 80222), (23, 80240), (26, 80306), (27, 80324),

Gene: Norvs_147 Start: 80466, Stop: 80765, Start Num: 10
Candidate Starts for Norvs_147:
(Start: 10 @80466 has 11 MA's), (12, 80547), (20, 80652), (23, 80670), (26, 80736), (27, 80754),

Gene: PhinkBoden_147 Start: 80864, Stop: 81163, Start Num: 10
Candidate Starts for PhinkBoden_147:
(Start: 10 @80864 has 11 MA's), (12, 80945), (20, 81050), (23, 81068), (26, 81134), (27, 81152),

Gene: Smoothie_150 Start: 80851, Stop: 81150, Start Num: 10
Candidate Starts for Smoothie_150:
(Start: 10 @80851 has 11 MA's), (12, 80932), (23, 81055), (26, 81121), (27, 81139),

Gene: Toniann_149 Start: 80607, Stop: 80906, Start Num: 10
Candidate Starts for Toniann_149:
(Start: 10 @80607 has 11 MA's), (12, 80688), (20, 80793), (23, 80811), (26, 80877), (27, 80895),

Gene: WilliamBoone_150 Start: 78865, Stop: 79164, Start Num: 10
Candidate Starts for WilliamBoone_150:
(Start: 10 @78865 has 11 MA's), (14, 78976), (22, 79063), (23, 79069), (26, 79135), (27, 79153),