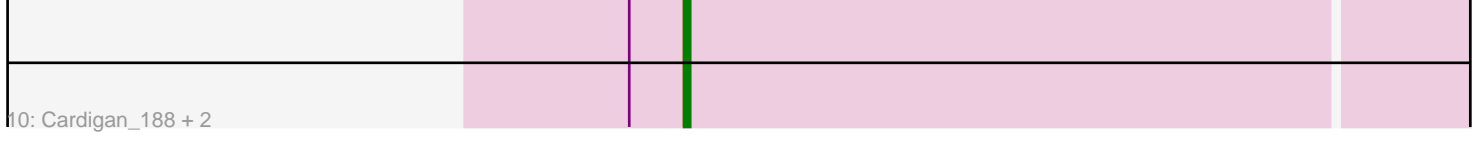
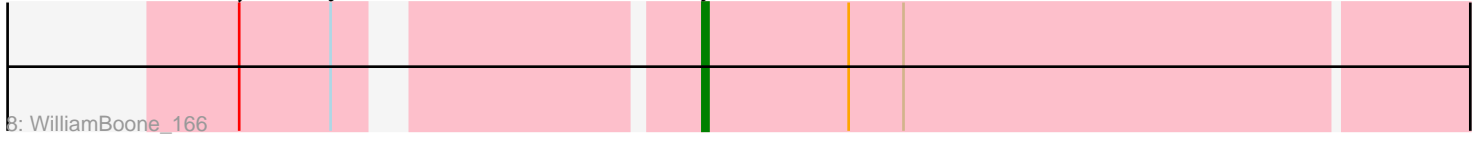
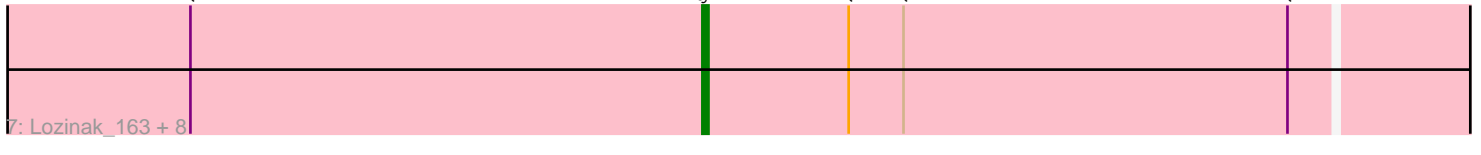
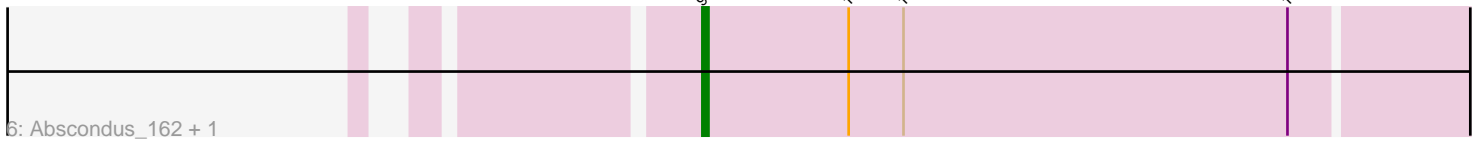
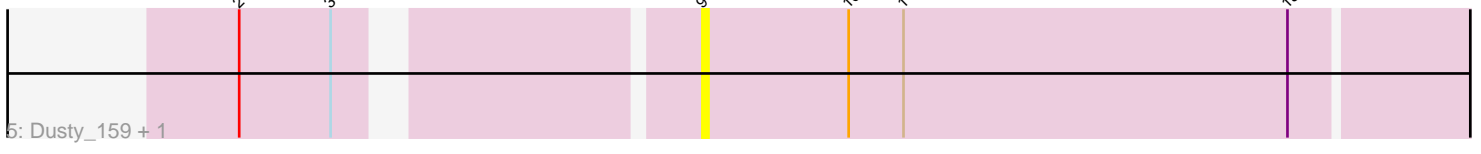
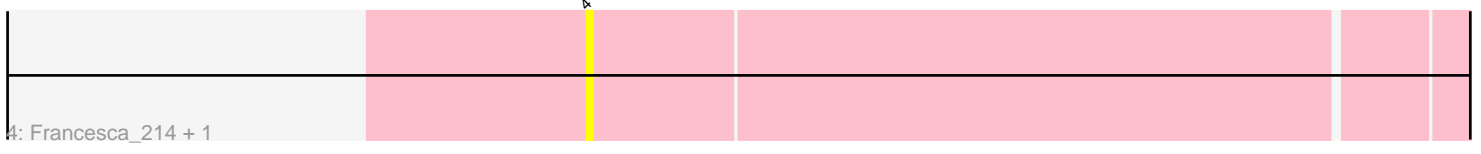
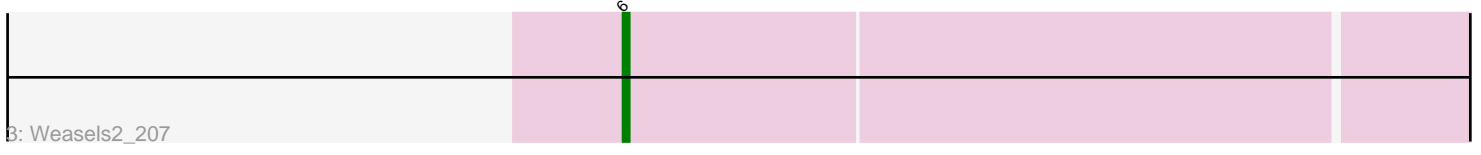
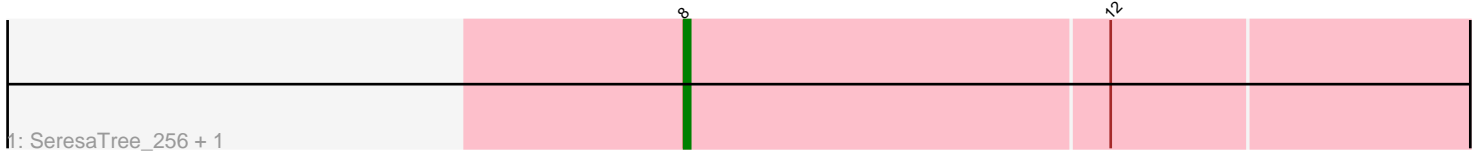


Pham 163879



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 163879 Report

This analysis was run 04/28/24 on database version 559.

Pham number 163879 has 25 members, 7 are drafts.

Phages represented in each track:

- Track 1 : SeresaTree_256, Faust_252
- Track 2 : Grayson_204
- Track 3 : Weasels2_207
- Track 4 : Francesca_214, Dorin_213
- Track 5 : Dusty_159, Miskis_162
- Track 6 : Abscondus_162, OneUp_148
- Track 7 : Lozinak_163, PhinkBoden_161, Toniann_163, Norvs_161, ClubL_164, Smoothie_165, Bachita_166, Aphelion_162, Cucurbita_162
- Track 8 : WilliamBoone_166
- Track 9 : Culver_163, Engineer_165
- Track 10 : Cardigan_188, Yvonnetastic_182, JonJames_182

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

The start number called the most often in the published annotations is 9, it was called in 13 of the 18 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Abscondus_162, Aphelion_162, Bachita_166, ClubL_164, Cucurbita_162, Culver_163, Dusty_159, Engineer_165, Lozinak_163, Miskis_162, Norvs_161, OneUp_148, PhinkBoden_161, Smoothie_165, Toniann_163, WilliamBoone_166,

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

-

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

- Cardigan_188, Dorin_213, Faust_252, Francesca_214, Grayson_204, JonJames_182, SeresaTree_256, Weasels2_207, Yvonnetastic_182,

Summary by start number:

Start 4:

- Found in 2 of 25 (8.0%) of genes in pham
- No Manual Annotations of this start.

- Called 100.0% of time when present
- Phage (with cluster) where this start called: Dorin_213 (CG), Francesca_214 (CG),

Start 5:

- Found in 1 of 25 (4.0%) of genes in pham
- Manual Annotations of this start: 1 of 18
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Grayson_204 (CB),

Start 6:

- Found in 1 of 25 (4.0%) of genes in pham
- Manual Annotations of this start: 1 of 18
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Weasels2_207 (CB),

Start 8:

- Found in 5 of 25 (20.0%) of genes in pham
- Manual Annotations of this start: 3 of 18
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Cardigan_188 (DD), Faust_252 (BK1), JonJames_182 (DD), SeresaTree_256 (BK1), Yvonnetastic_182 (DD),

Start 9:

- Found in 16 of 25 (64.0%) of genes in pham
- Manual Annotations of this start: 13 of 18
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Abscondus_162 (CQ), Aphelion_162 (CQ1), Bachita_166 (CQ1), ClubL_164 (CQ1), Cucurbita_162 (CQ1), Culver_163 (CQ1), Dusty_159 (CQ), Engineer_165 (CQ1), Lozinak_163 (CQ1), Miskis_162 (CQ), Norvs_161 (CQ), OneUp_148 (CQ2), PhinkBoden_161 (CQ1), Smoothie_165 (CQ1), Toniann_163 (CQ1), WilliamBoone_166 (CQ1),

Summary by clusters:

There are 7 clusters represented in this pham: CB, DD, CG, BK1, CQ2, CQ1, CQ,

Info for manual annotations of cluster BK1:

- Start number 8 was manually annotated 1 time for cluster BK1.

Info for manual annotations of cluster CB:

- Start number 5 was manually annotated 1 time for cluster CB.
- Start number 6 was manually annotated 1 time for cluster CB.

Info for manual annotations of cluster CQ:

- Start number 9 was manually annotated 1 time for cluster CQ.

Info for manual annotations of cluster CQ1:

- Start number 9 was manually annotated 11 times for cluster CQ1.

Info for manual annotations of cluster CQ2:

- Start number 9 was manually annotated 1 time for cluster CQ2.

Info for manual annotations of cluster DD:

•Start number 8 was manually annotated 2 times for cluster DD.

Gene Information:

Gene: Abscondus_162 Start: 84649, Stop: 84503, Start Num: 9

Candidate Starts for Abscondus_162:

(Start: 9 @84649 has 13 MA's), (10, 84625), (11, 84616), (13, 84553),

Gene: Aphelion_162 Start: 85605, Stop: 85459, Start Num: 9

Candidate Starts for Aphelion_162:

(1, 85689), (Start: 9 @85605 has 13 MA's), (10, 85581), (11, 85572), (13, 85509),

Gene: Bachita_166 Start: 85683, Stop: 85537, Start Num: 9

Candidate Starts for Bachita_166:

(1, 85767), (Start: 9 @85683 has 13 MA's), (10, 85659), (11, 85650), (13, 85587),

Gene: Cardigan_188 Start: 93413, Stop: 93258, Start Num: 8

Candidate Starts for Cardigan_188:

(7, 93422), (Start: 8 @93413 has 3 MA's),

Gene: ClubL_164 Start: 84926, Stop: 84780, Start Num: 9

Candidate Starts for ClubL_164:

(1, 85010), (Start: 9 @84926 has 13 MA's), (10, 84902), (11, 84893), (13, 84830),

Gene: Cucurbita_162 Start: 85987, Stop: 85841, Start Num: 9

Candidate Starts for Cucurbita_162:

(1, 86071), (Start: 9 @85987 has 13 MA's), (10, 85963), (11, 85954), (13, 85891),

Gene: Culver_163 Start: 84156, Stop: 84010, Start Num: 9

Candidate Starts for Culver_163:

(Start: 9 @84156 has 13 MA's), (10, 84132), (11, 84123),

Gene: Dorin_213 Start: 113227, Stop: 113382, Start Num: 4

Candidate Starts for Dorin_213:

(4, 113227),

Gene: Dusty_159 Start: 84473, Stop: 84327, Start Num: 9

Candidate Starts for Dusty_159:

(2, 84539), (3, 84524), (Start: 9 @84473 has 13 MA's), (10, 84449), (11, 84440), (13, 84377),

Gene: Engineer_165 Start: 85558, Stop: 85409, Start Num: 9

Candidate Starts for Engineer_165:

(Start: 9 @85558 has 13 MA's), (10, 85534), (11, 85525),

Gene: Faust_252 Start: 121119, Stop: 121268, Start Num: 8

Candidate Starts for Faust_252:

(Start: 8 @121119 has 3 MA's), (12, 121188),

Gene: Francesca_214 Start: 113879, Stop: 114034, Start Num: 4

Candidate Starts for Francesca_214:

(4, 113879),

Gene: Grayson_204 Start: 104125, Stop: 104274, Start Num: 5

Candidate Starts for Grayson_204:

(Start: 5 @104125 has 1 MA's),

Gene: JonJames_182 Start: 94333, Stop: 94178, Start Num: 8

Candidate Starts for JonJames_182:

(7, 94342), (Start: 8 @94333 has 3 MA's),

Gene: Lozinak_163 Start: 85530, Stop: 85384, Start Num: 9

Candidate Starts for Lozinak_163:

(1, 85614), (Start: 9 @85530 has 13 MA's), (10, 85506), (11, 85497), (13, 85434),

Gene: Miskis_162 Start: 84354, Stop: 84208, Start Num: 9

Candidate Starts for Miskis_162:

(2, 84420), (3, 84405), (Start: 9 @84354 has 13 MA's), (10, 84330), (11, 84321), (13, 84258),

Gene: Norvs_161 Start: 84706, Stop: 84560, Start Num: 9

Candidate Starts for Norvs_161:

(1, 84790), (Start: 9 @84706 has 13 MA's), (10, 84682), (11, 84673), (13, 84610),

Gene: OneUp_148 Start: 84410, Stop: 84264, Start Num: 9

Candidate Starts for OneUp_148:

(Start: 9 @84410 has 13 MA's), (10, 84386), (11, 84377), (13, 84314),

Gene: PhinkBoden_161 Start: 85104, Stop: 84958, Start Num: 9

Candidate Starts for PhinkBoden_161:

(1, 85188), (Start: 9 @85104 has 13 MA's), (10, 85080), (11, 85071), (13, 85008),

Gene: SeresaTree_256 Start: 121344, Stop: 121493, Start Num: 8

Candidate Starts for SeresaTree_256:

(Start: 8 @121344 has 3 MA's), (12, 121413),

Gene: Smoothie_165 Start: 85402, Stop: 85256, Start Num: 9

Candidate Starts for Smoothie_165:

(1, 85486), (Start: 9 @85402 has 13 MA's), (10, 85378), (11, 85369), (13, 85306),

Gene: Toniann_163 Start: 84847, Stop: 84701, Start Num: 9

Candidate Starts for Toniann_163:

(1, 84931), (Start: 9 @84847 has 13 MA's), (10, 84823), (11, 84814), (13, 84751),

Gene: Weasels2_207 Start: 107383, Stop: 107529, Start Num: 6

Candidate Starts for Weasels2_207:

(Start: 6 @107383 has 1 MA's),

Gene: WilliamBoone_166 Start: 83511, Stop: 83365, Start Num: 9

Candidate Starts for WilliamBoone_166:

(2, 83577), (3, 83562), (Start: 9 @83511 has 13 MA's), (10, 83487), (11, 83478),

Gene: Yvonnetastic_182 Start: 91232, Stop: 91077, Start Num: 8

Candidate Starts for Yvonnetastic_182:

(7, 91241), (Start: 8 @91232 has 3 MA's),

