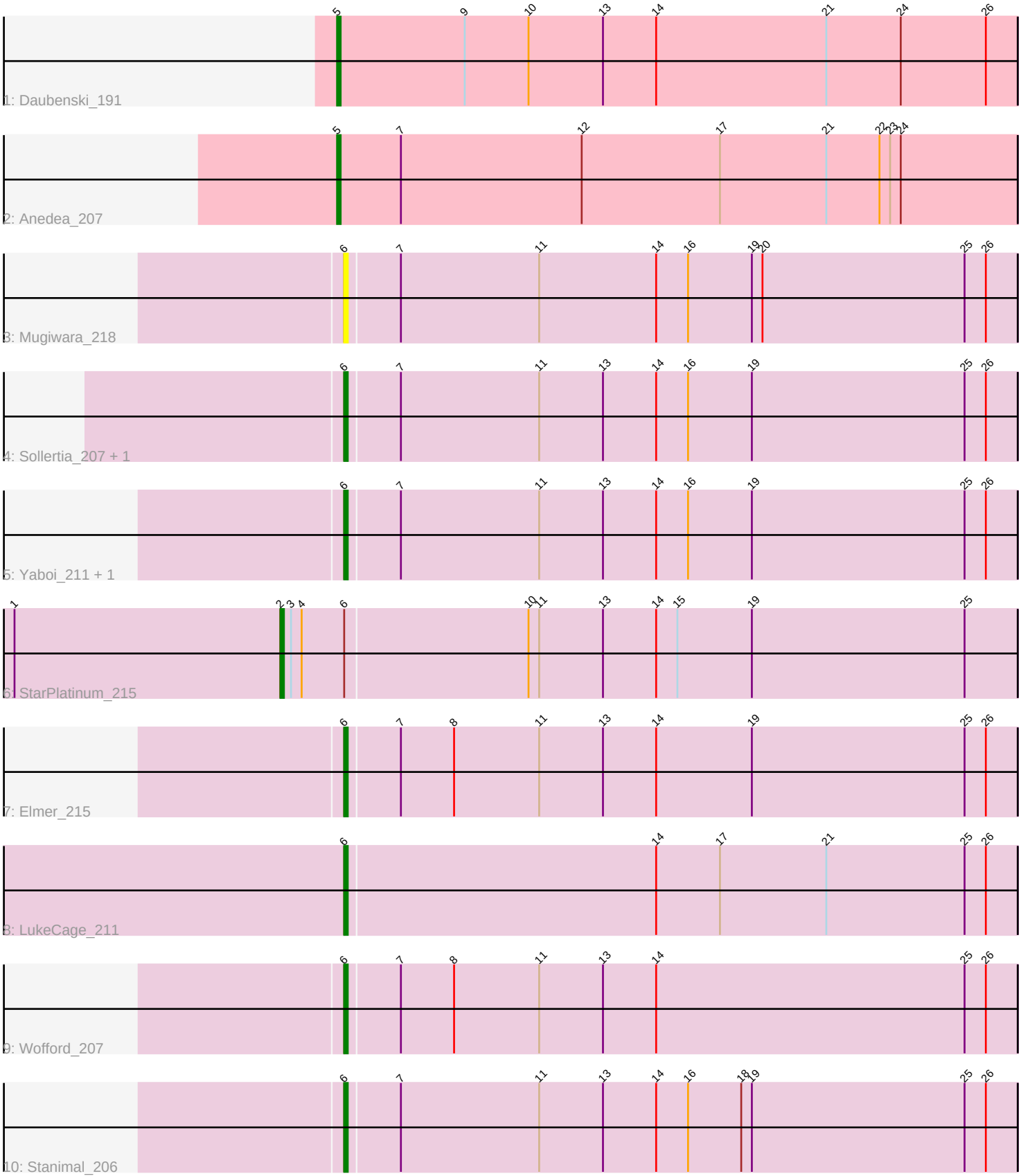
Pham 200782


1: Daubenski_191
2: Anedea_207
3: Mugiwara_218
4: Sollertia_207 + 1
5: Yaboi_211 + 1
6: StarPlatinum_215
7: Elmer_215
8: LukeCage_211
9: Wofford_207
10: Stanimal_206

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 200782 Report

This analysis was run 01/18/25 on database version 583.

Pham number 200782 has 12 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Daubenski_191
• Track 2 : Anedea_207
• Track 3 : Mugiwara_218
• Track 4 : Sollertia_207, BoomerJR_205
• Track 5 : Yaboi_211, Genie2_205
• Track 6 : StarPlatinum_215
• Track 7 : Elmer_215
• Track 8 : LukeCage_211
• Track 9 : Wofford_207
• Track 10 : Stanimal_206

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

The start number called the most often in the published annotations is 6, it was called in 8 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BoomerJR_205, Elmer_215, Genie2_205, LukeCage_211, Mugiwara_218, Sollertia_207, Stanimal_206, Wofford_207, Yaboi_211,

Genes that have the "Most Annotated" start but do not call it:
• StarPlatinum_215,

Genes that do not have the "Most Annotated" start:
• Anedea_207, Daubenski_191,

Summary by start number:

Start 2:
• Found in 1 of 12 (8.3%) of genes in pham
• Manual Annotations of this start: 1 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: StarPlatinum_215 (BE2),

Start 5:
• Found in 2 of 12 (16.7%) of genes in pham
• Manual Annotations of this start: 2 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Anedea_207 (BE1), Daubenski_191 (BE1),

Start 6:
• Found in 10 of 12 (83.3%) of genes in pham
• Manual Annotations of this start: 8 of 11
• Called 90.0% of time when present
• Phage (with cluster) where this start called: BoomerJR_205 (BE2), Elmer_215 (BE2), Genie2_205 (BE2), LukeCage_211 (BE2), Mugiwara_218 (BE2), Sollertia_207 (BE2), Stanimal_206 (BE2), Wofford_207 (BE2), Yaboi_211 (BE2),

Summary by clusters:

There are 2 clusters represented in this pham: BE2, BE1,

Info for manual annotations of cluster BE1:
•Start number 5 was manually annotated 2 times for cluster BE1.

Info for manual annotations of cluster BE2:
•Start number 2 was manually annotated 1 time for cluster BE2.
•Start number 6 was manually annotated 8 times for cluster BE2.

Gene Information:

Gene: Anedea_207 Start: 104074, Stop: 104265, Start Num: 5
Candidate Starts for Anedea_207:
(Start: 5 @104074 has 2 MA's), (7, 104092), (12, 104143), (17, 104182), (21, 104212), (22, 104227), (23, 104230), (24, 104233),

Gene: BoomerJR_205 Start: 103938, Stop: 104126, Start Num: 6
Candidate Starts for BoomerJR_205:
(Start: 6 @103938 has 8 MA's), (7, 103953), (11, 103992), (13, 104010), (14, 104025), (16, 104034), (19, 104052), (25, 104112), (26, 104118),

Gene: Daubenski_191 Start: 104330, Stop: 104521, Start Num: 5
Candidate Starts for Daubenski_191:
(Start: 5 @104330 has 2 MA's), (9, 104366), (10, 104384), (13, 104405), (14, 104420), (21, 104468), (24, 104489), (26, 104513),

Gene: Elmer_215 Start: 106928, Stop: 107116, Start Num: 6
Candidate Starts for Elmer_215:
(Start: 6 @106928 has 8 MA's), (7, 106943), (8, 106958), (11, 106982), (13, 107000), (14, 107015), (19, 107042), (25, 107102), (26, 107108),

Gene: Genie2_205 Start: 104052, Stop: 104240, Start Num: 6
Candidate Starts for Genie2_205:

(Start: 6 @104052 has 8 MA's), (7, 104067), (11, 104106), (13, 104124), (14, 104139), (16, 104148), (19, 104166), (25, 104226), (26, 104232),

Gene: LukeCage_211 Start: 105560, Stop: 105748, Start Num: 6
Candidate Starts for LukeCage_211:
(Start: 6 @105560 has 8 MA's), (14, 105647), (17, 105665), (21, 105695), (25, 105734), (26, 105740),

Gene: Mugiwara_218 Start: 106057, Stop: 106245, Start Num: 6
Candidate Starts for Mugiwara_218:
(Start: 6 @106057 has 8 MA's), (7, 106072), (11, 106111), (14, 106144), (16, 106153), (19, 106171), (20, 106174), (25, 106231), (26, 106237),

Gene: Sollertia_207 Start: 104052, Stop: 104240, Start Num: 6
Candidate Starts for Sollertia_207:
(Start: 6 @104052 has 8 MA's), (7, 104067), (11, 104106), (13, 104124), (14, 104139), (16, 104148), (19, 104166), (25, 104226), (26, 104232),

Gene: Stanimal_206 Start: 104413, Stop: 104601, Start Num: 6
Candidate Starts for Stanimal_206:
(Start: 6 @104413 has 8 MA's), (7, 104428), (11, 104467), (13, 104485), (14, 104500), (16, 104509), (18, 104524), (19, 104527), (25, 104587), (26, 104593),

Gene: StarPlatinum_215 Start: 106051, Stop: 106257, Start Num: 2
Candidate Starts for StarPlatinum_215:
(1, 105976), (Start: 2 @106051 has 1 MA's), (3, 106054), (4, 106057), (Start: 6 @106069 has 8 MA's), (10, 106120), (11, 106123), (13, 106141), (14, 106156), (15, 106162), (19, 106183), (25, 106243),

Gene: Wofford_207 Start: 106796, Stop: 106984, Start Num: 6
Candidate Starts for Wofford_207:
(Start: 6 @106796 has 8 MA's), (7, 106811), (8, 106826), (11, 106850), (13, 106868), (14, 106883), (25, 106970), (26, 106976),

Gene: Yaboi_211 Start: 103987, Stop: 104175, Start Num: 6
Candidate Starts for Yaboi_211:
(Start: 6 @103987 has 8 MA's), (7, 104002), (11, 104041), (13, 104059), (14, 104074), (16, 104083), (19, 104101), (25, 104161), (26, 104167),