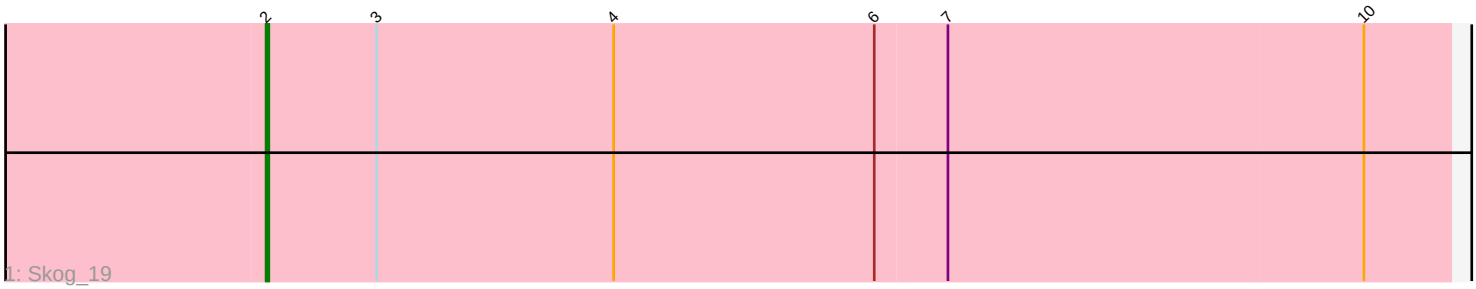
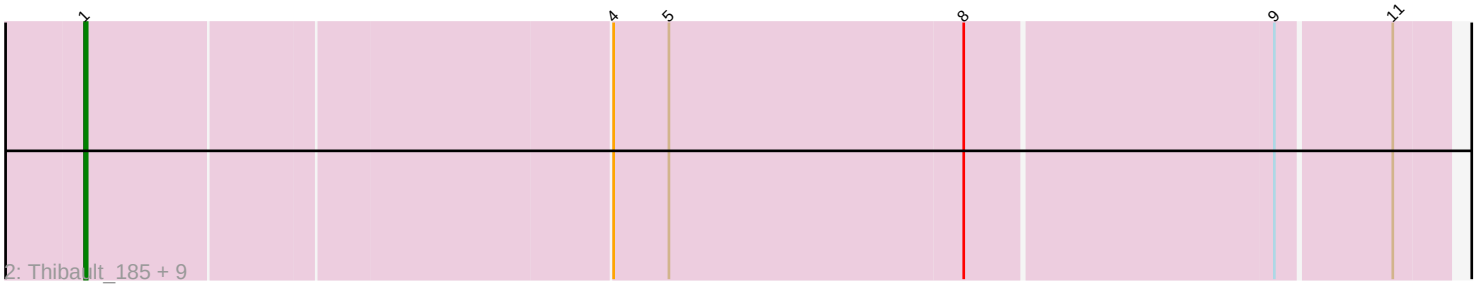
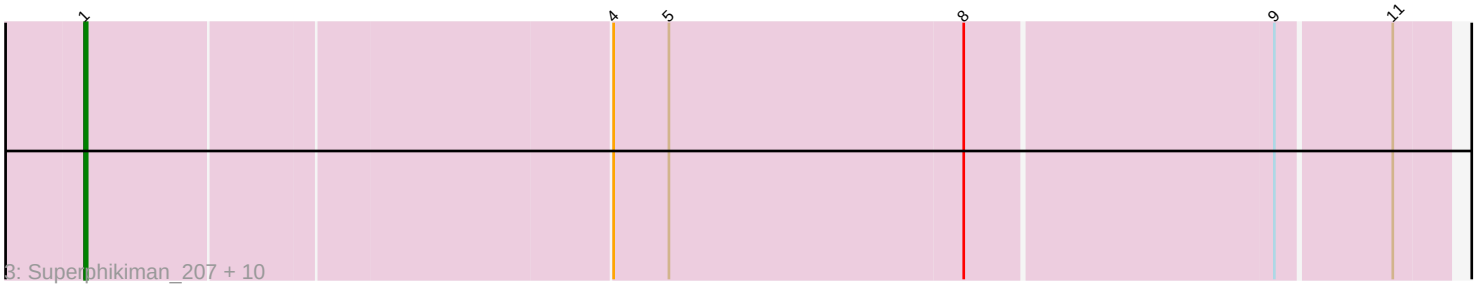
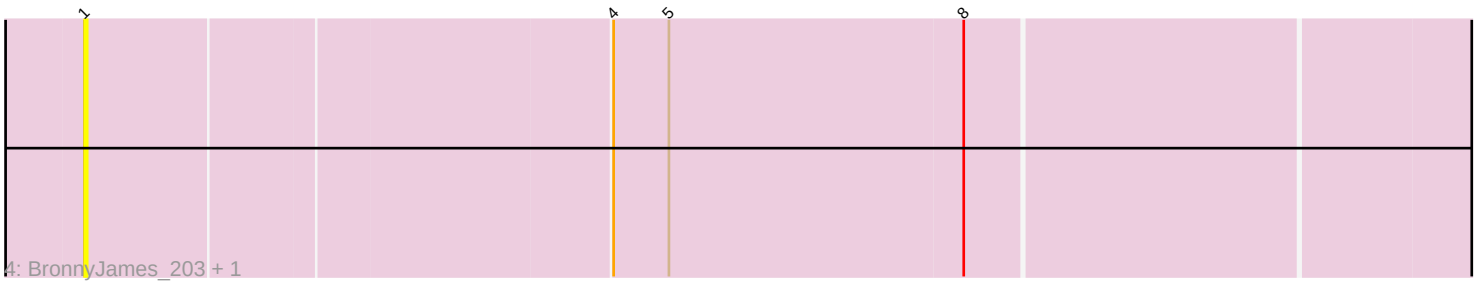
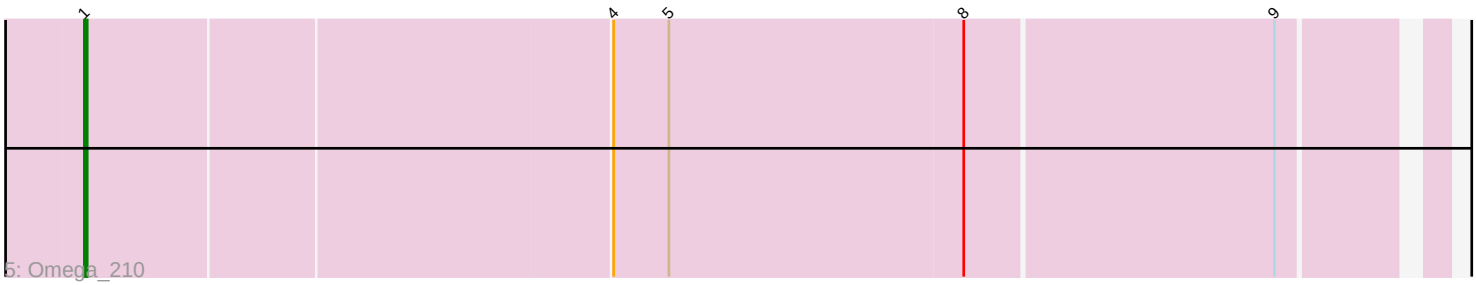
Pham 309133


2
3
4
6
7
10
1: Skog_19


1
4
5
8
9
11
2: Thibault_185 + 9


1
4
5
8
9
11
3: Superphikiman_207 + 10


1
4
5
8
4: BronnyJames_203 + 1


1
4
5
8
9
5: Omega_210

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 309133 Report

This analysis was run 06/27/26 on database version 652.

Pham number 309133 has 25 members, 6 are drafts.

Phages represented in each track:
• Track 1 : Skog_19
• Track 2 : Thibault_185, Shaboozey_206, LittleE_208, Halley_209, Hidrated_195, Constella_199, Zelink_200, Bobby_190, KashFlow_202, Xiaokay_196
• Track 3 : Superphikiman_207, Courthouse_211, NihilNomen_210, Phoebus_208, JuicyJay_202, Beem_209, Bombitas_192, Redno2_199, Ariel_214, Marleymoo_192, HokkenD_201
• Track 4 : BronnyJames_203, Nibley_201
• Track 5 : Omega_210

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

The start number called the most often in the published annotations is 1, it was called in 18 of the 19 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Ariel_214, Beem_209, Bobby_190, Bombitas_192, BronnyJames_203, Constella_199, Courthouse_211, Halley_209, Hidrated_195, HokkenD_201, JuicyJay_202, KashFlow_202, LittleE_208, Marleymoo_192, Nibley_201, NihilNomen_210, Omega_210, Phoebus_208, Redno2_199, Shaboozey_206, Superphikiman_207, Thibault_185, Xiaokay_196, Zelink_200,

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

Genes that do not have the "Most Annotated" start:
• Skog_19,

Summary by start number:

Start 1:
• Found in 24 of 25 (96.0%) of genes in pham
• Manual Annotations of this start: 18 of 19
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Ariel_214 (J), Beem_209 (J), Bobby_190 (J), Bombitas_192 (J), BronnyJames_203 (J), Constella_199 (J), Courthouse_211 (J), Halley_209 (J), Hidrated_195 (J), HokkenD_201 (J), JuicyJay_202 (J), KashFlow_202 (J), LittleE_208 (J), Marleymoo_192 (J), Nibley_201 (J), NihilNomen_210 (J), Omega_210 (J), Phoebus_208 (J), Redno2_199 (J), Shaboozey_206 (J), Superphikiman_207 (J), Thibault_185 (J), Xiaokay_196 (J), Zelink_200 (J),

Start 2:
• Found in 1 of 25 (4.0%) of genes in pham
• Manual Annotations of this start: 1 of 19
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Skog_19 (DO),

Summary by clusters:

There are 2 clusters represented in this pham: DO, J,

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

Info for manual annotations of cluster J:
•Start number 1 was manually annotated 18 times for cluster J.

Gene Information:

Gene: Ariel_214 Start: 100522, Stop: 100022, Start Num: 1
Candidate Starts for Ariel_214:
(Start: 1 @100522 has 18 MA's), (4, 100330), (5, 100309), (8, 100198), (9, 100084), (11, 100042),

Gene: Beem_209 Start: 103287, Stop: 102787, Start Num: 1
Candidate Starts for Beem_209:
(Start: 1 @103287 has 18 MA's), (4, 103095), (5, 103074), (8, 102963), (9, 102849), (11, 102807),

Gene: Bobby_190 Start: 101749, Stop: 101249, Start Num: 1
Candidate Starts for Bobby_190:
(Start: 1 @101749 has 18 MA's), (4, 101557), (5, 101536), (8, 101425), (9, 101311), (11, 101269),

Gene: Bombitas_192 Start: 99775, Stop: 99275, Start Num: 1
Candidate Starts for Bombitas_192:
(Start: 1 @99775 has 18 MA's), (4, 99583), (5, 99562), (8, 99451), (9, 99337), (11, 99295),

Gene: BronnyJames_203 Start: 99178, Stop: 98654, Start Num: 1
Candidate Starts for BronnyJames_203:
(Start: 1 @99178 has 18 MA's), (4, 98986), (5, 98965), (8, 98854),

Gene: Constella_199 Start: 101595, Stop: 101095, Start Num: 1
Candidate Starts for Constella_199:
(Start: 1 @101595 has 18 MA's), (4, 101403), (5, 101382), (8, 101271), (9, 101157), (11, 101115),

Gene: Courthouse_211 Start: 101382, Stop: 100882, Start Num: 1
Candidate Starts for Courthouse_211:

(Start: 1 @101382 has 18 MA's), (4, 101190), (5, 101169), (8, 101058), (9, 100944), (11, 100902),

Gene: Halley_209 Start: 101905, Stop: 101405, Start Num: 1
Candidate Starts for Halley_209:
(Start: 1 @101905 has 18 MA's), (4, 101713), (5, 101692), (8, 101581), (9, 101467), (11, 101425),

Gene: Hidrated_195 Start: 103102, Stop: 102602, Start Num: 1
Candidate Starts for Hidrated_195:
(Start: 1 @103102 has 18 MA's), (4, 102910), (5, 102889), (8, 102778), (9, 102664), (11, 102622),

Gene: HokkenD_201 Start: 103727, Stop: 103227, Start Num: 1
Candidate Starts for HokkenD_201:
(Start: 1 @103727 has 18 MA's), (4, 103535), (5, 103514), (8, 103403), (9, 103289), (11, 103247),

Gene: JuicyJay_202 Start: 103239, Stop: 102739, Start Num: 1
Candidate Starts for JuicyJay_202:
(Start: 1 @103239 has 18 MA's), (4, 103047), (5, 103026), (8, 102915), (9, 102801), (11, 102759),

Gene: KashFlow_202 Start: 102225, Stop: 101725, Start Num: 1
Candidate Starts for KashFlow_202:
(Start: 1 @102225 has 18 MA's), (4, 102033), (5, 102012), (8, 101901), (9, 101787), (11, 101745),

Gene: LittleE_208 Start: 102359, Stop: 101859, Start Num: 1
Candidate Starts for LittleE_208:
(Start: 1 @102359 has 18 MA's), (4, 102167), (5, 102146), (8, 102035), (9, 101921), (11, 101879),

Gene: Marleymoo_192 Start: 100634, Stop: 100134, Start Num: 1
Candidate Starts for Marleymoo_192:
(Start: 1 @100634 has 18 MA's), (4, 100442), (5, 100421), (8, 100310), (9, 100196), (11, 100154),

Gene: Nibley_201 Start: 98755, Stop: 98231, Start Num: 1
Candidate Starts for Nibley_201:
(Start: 1 @98755 has 18 MA's), (4, 98563), (5, 98542), (8, 98431),

Gene: NihilNomen_210 Start: 101485, Stop: 100985, Start Num: 1
Candidate Starts for NihilNomen_210:
(Start: 1 @101485 has 18 MA's), (4, 101293), (5, 101272), (8, 101161), (9, 101047), (11, 101005),

Gene: Omega_210 Start: 103003, Stop: 102512, Start Num: 1
Candidate Starts for Omega_210:
(Start: 1 @103003 has 18 MA's), (4, 102811), (5, 102790), (8, 102679), (9, 102565),

Gene: Phoebus_208 Start: 105245, Stop: 104745, Start Num: 1
Candidate Starts for Phoebus_208:
(Start: 1 @105245 has 18 MA's), (4, 105053), (5, 105032), (8, 104921), (9, 104807), (11, 104765),

Gene: Redno2_199 Start: 99129, Stop: 98629, Start Num: 1
Candidate Starts for Redno2_199:
(Start: 1 @99129 has 18 MA's), (4, 98937), (5, 98916), (8, 98805), (9, 98691), (11, 98649),

Gene: Shaboozey_206 Start: 99198, Stop: 98698, Start Num: 1
Candidate Starts for Shaboozey_206:
(Start: 1 @99198 has 18 MA's), (4, 99006), (5, 98985), (8, 98874), (9, 98760), (11, 98718),

Gene: Skog_19 Start: 9990, Stop: 10436, Start Num: 2
Candidate Starts for Skog_19:
(Start: 2 @9990 has 1 MA's), (3, 10032), (4, 10122), (6, 10221), (7, 10248), (10, 10404),

Gene: Superphikiman_207 Start: 100343, Stop: 99843, Start Num: 1
Candidate Starts for Superphikiman_207:
(Start: 1 @100343 has 18 MA's), (4, 100151), (5, 100130), (8, 100019), (9, 99905), (11, 99863),

Gene: Thibault_185 Start: 98040, Stop: 97540, Start Num: 1
Candidate Starts for Thibault_185:
(Start: 1 @98040 has 18 MA's), (4, 97848), (5, 97827), (8, 97716), (9, 97602), (11, 97560),

Gene: Xiaokay_196 Start: 101696, Stop: 101196, Start Num: 1
Candidate Starts for Xiaokay_196:
(Start: 1 @101696 has 18 MA's), (4, 101504), (5, 101483), (8, 101372), (9, 101258), (11, 101216),

Gene: Zelink_200 Start: 101463, Stop: 100963, Start Num: 1
Candidate Starts for Zelink_200:
(Start: 1 @101463 has 18 MA's), (4, 101271), (5, 101250), (8, 101139), (9, 101025), (11, 100983),