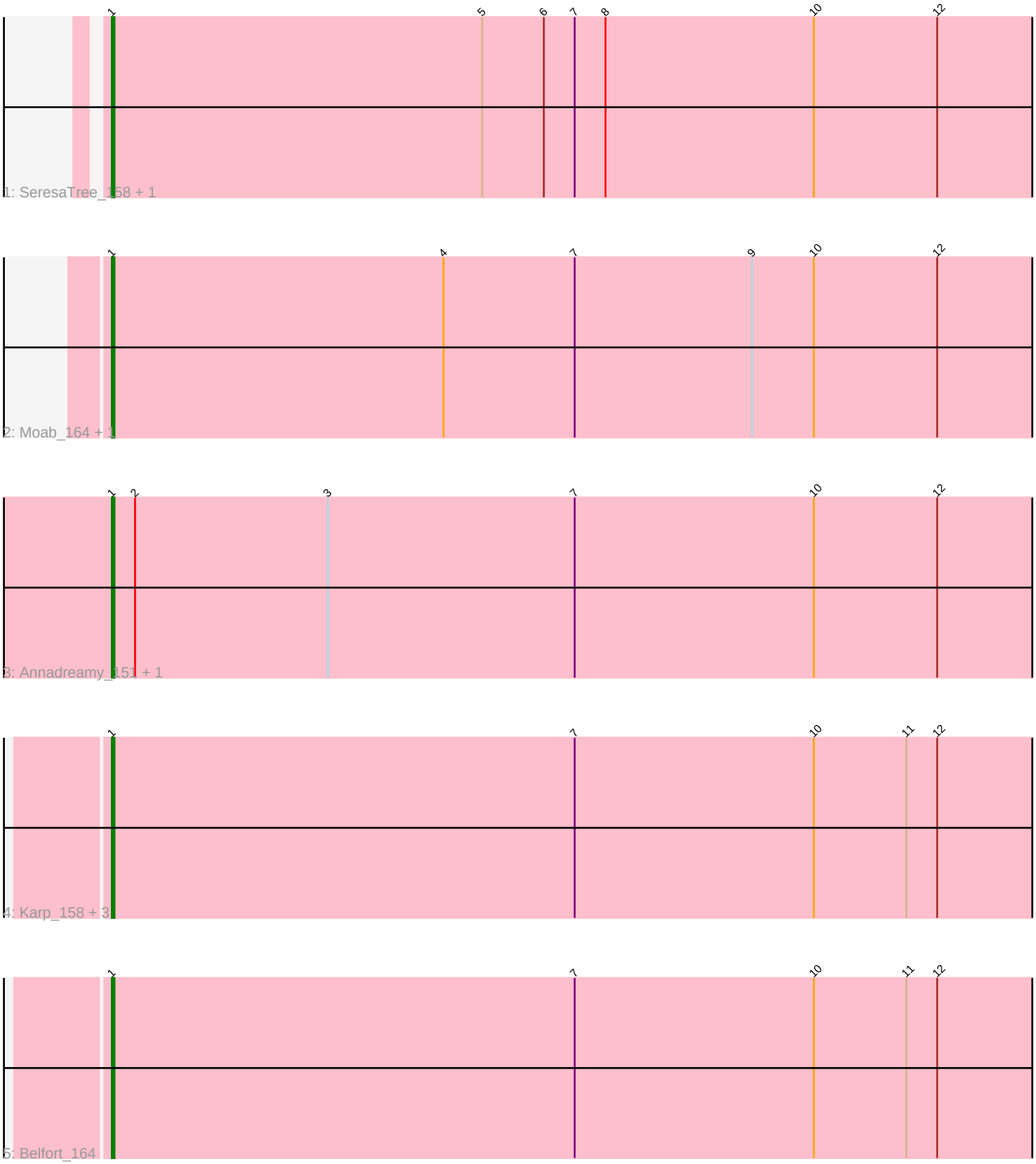
Zoomed Pham 106833



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 106833 Report

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

Pham number 106833 has 11 members, 1 are drafts.

Phages represented in each track:
• Track 1 : SeresaTree_158, Faust_156
• Track 2 : Moab_164, Patelgo_166
• Track 3 : Annadreamy_151, Limpid_158
• Track 4 : Karp_158, Comrade_161, Stigma_162, SparkleGoddess_163
• Track 5 : Belfort_164

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 10 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Annadreamy_151, Belfort_164, Comrade_161, Faust_156, Karp_158, Limpid_158, Moab_164, Patelgo_166, SeresaTree_158, SparkleGoddess_163, Stigma_162,

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

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

Summary by start number:

Start 1:
• Found in 11 of 11 (100.0%) of genes in pham
• Manual Annotations of this start: 10 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Annadreamy_151 (BK1), Belfort_164 (BK1), Comrade_161 (BK1), Faust_156 (BK1), Karp_158 (BK1), Limpid_158 (BK1), Moab_164 (BK1), Patelgo_166 (BK1), SeresaTree_158 (BK1), SparkleGoddess_163 (BK1), Stigma_162 (BK1),

Summary by clusters:

There is one cluster represented in this pham: BK1

Info for manual annotations of cluster BK1:
•Start number 1 was manually annotated 10 times for cluster BK1.

Gene Information:

Gene: Annadreamy_151 Start: 81881, Stop: 82558, Start Num: 1
Candidate Starts for Annadreamy_151:
(Start: 1 @81881 has 10 MA's), (2, 81890), (3, 81965), (7, 82061), (10, 82154), (12, 82202), (13, 82289), (17, 82340), (18, 82412), (19, 82430), (21, 82436), (22, 82541),

Gene: Belfort_164 Start: 87804, Stop: 88487, Start Num: 1
Candidate Starts for Belfort_164:
(Start: 1 @87804 has 10 MA's), (7, 87984), (10, 88077), (11, 88113), (12, 88125), (14, 88233), (15, 88254), (16, 88260), (17, 88266), (18, 88338), (19, 88356), (21, 88362),

Gene: Comrade_161 Start: 88006, Stop: 88689, Start Num: 1
Candidate Starts for Comrade_161:
(Start: 1 @88006 has 10 MA's), (7, 88186), (10, 88279), (11, 88315), (12, 88327), (14, 88435), (15, 88456), (17, 88468), (18, 88540), (19, 88558), (21, 88564),

Gene: Faust_156 Start: 86995, Stop: 87675, Start Num: 1
Candidate Starts for Faust_156:
(Start: 1 @86995 has 10 MA's), (5, 87139), (6, 87163), (7, 87175), (8, 87187), (10, 87268), (12, 87316), (14, 87424), (17, 87457), (19, 87547), (20, 87550), (21, 87553),

Gene: Karp_158 Start: 87230, Stop: 87913, Start Num: 1
Candidate Starts for Karp_158:
(Start: 1 @87230 has 10 MA's), (7, 87410), (10, 87503), (11, 87539), (12, 87551), (14, 87659), (15, 87680), (17, 87692), (18, 87764), (19, 87782), (21, 87788),

Gene: Limpid_158 Start: 87194, Stop: 87871, Start Num: 1
Candidate Starts for Limpid_158:
(Start: 1 @87194 has 10 MA's), (2, 87203), (3, 87278), (7, 87374), (10, 87467), (12, 87515), (13, 87602), (17, 87653), (18, 87725), (19, 87743), (21, 87749), (22, 87854),

Gene: Moab_164 Start: 89008, Stop: 89688, Start Num: 1
Candidate Starts for Moab_164:
(Start: 1 @89008 has 10 MA's), (4, 89137), (7, 89188), (9, 89257), (10, 89281), (12, 89329), (14, 89437), (17, 89470), (19, 89560), (21, 89566), (23, 89683),

Gene: Patelgo_166 Start: 89700, Stop: 90380, Start Num: 1
Candidate Starts for Patelgo_166:
(Start: 1 @89700 has 10 MA's), (4, 89829), (7, 89880), (9, 89949), (10, 89973), (12, 90021), (14, 90129), (17, 90162), (19, 90252), (21, 90258), (23, 90375),

Gene: SeresaTree_158 Start: 86377, Stop: 87057, Start Num: 1
Candidate Starts for SeresaTree_158:
(Start: 1 @86377 has 10 MA's), (5, 86521), (6, 86545), (7, 86557), (8, 86569), (10, 86650), (12, 86698), (14, 86806), (17, 86839), (19, 86929), (20, 86932), (21, 86935),

Gene: SparkleGoddess_163 Start: 88017, Stop: 88700, Start Num: 1
Candidate Starts for SparkleGoddess_163:
(Start: 1 @88017 has 10 MA's), (7, 88197), (10, 88290), (11, 88326), (12, 88338), (14, 88446), (15, 88467), (17, 88479), (18, 88551), (19, 88569), (21, 88575),

Gene: Stigma_162 Start: 88451, Stop: 89134, Start Num: 1
Candidate Starts for Stigma_162:
(Start: 1 @88451 has 10 MA's), (7, 88631), (10, 88724), (11, 88760), (12, 88772), (14, 88880), (15, 88901), (17, 88913), (18, 88985), (19, 89003), (21, 89009),