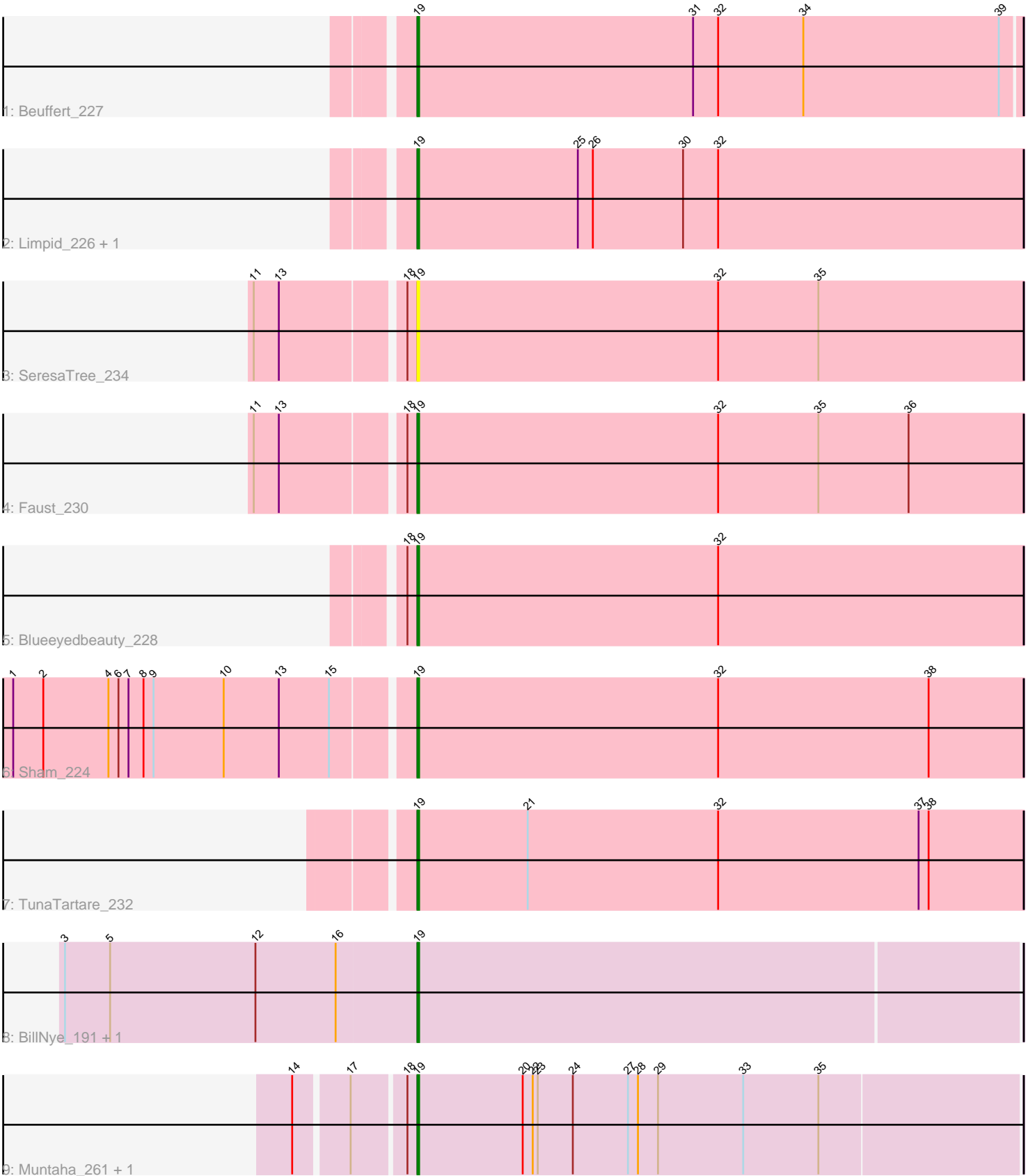# Pham 106773

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 106773 Report

This analysis was run 04/12/24 on database version 558.

Pham number 106773 has 12 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Beuffert_227
• Track 2 : Limpid_226, Annadreamy_219
• Track 3 : SeresaTree_234
• Track 4 : Faust_230
• Track 5 : Blueeyedbeauty_228
• Track 6 : Sham_224
• Track 7 : TunaTartare_232
• Track 8 : BillNye_191, Circinus_192
• Track 9 : Muntaha_261, Wakanda_258

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

The start number called the most often in the published annotations is 19, it was called in 11 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Annadreamy_219, Beuffert_227, BillNye_191, Blueeyedbeauty_228, Circinus_192, Faust_230, Limpid_226, Muntaha_261, SeresaTree_234, Sham_224, TunaTartare_232, Wakanda_258,

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 19:
• Found in 12 of 12 (100.0%) of genes in pham
• Manual Annotations of this start: 11 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Annadreamy_219 (BK1), Beuffert_227 (BK1), BillNye_191 (BK2), Blueeyedbeauty_228 (BK1), Circinus_192 (BK2),

Faust_230 (BK1), Limpid_226 (BK1), Muntaha_261 (BK2), SeresaTree_234 (BK1), Sham_224 (BK1), TunaTartare_232 (BK1), Wakanda_258 (BK2),

Summary by clusters:

There are 2 clusters represented in this pham: BK1, BK2,

Info for manual annotations of cluster BK1:
•Start number 19 was manually annotated 7 times for cluster BK1.

Info for manual annotations of cluster BK2:
•Start number 19 was manually annotated 4 times for cluster BK2.

Gene Information:
Gene: Annadreamy_219 Start: 108340, Stop: 108702, Start Num: 19
Candidate Starts for Annadreamy_219:
(Start: 19 @108340 has 11 MA's), (25, 108436), (26, 108445), (30, 108499), (32, 108520),

Gene: Beuffert_227 Start: 112488, Stop: 112847, Start Num: 19
Candidate Starts for Beuffert_227:
(Start: 19 @112488 has 11 MA's), (31, 112653), (32, 112668), (34, 112719), (39, 112836),

Gene: BillNye_191 Start: 103369, Stop: 103725, Start Num: 19
Candidate Starts for BillNye_191:
(3, 103159), (5, 103186), (12, 103273), (16, 103321), (Start: 19 @103369 has 11 MA's),

Gene: Blueeyedbeauty_228 Start: 112025, Stop: 112387, Start Num: 19
Candidate Starts for Blueeyedbeauty_228:
(18, 112019), (Start: 19 @112025 has 11 MA's), (32, 112205),

Gene: Circinus_192 Start: 103176, Stop: 103532, Start Num: 19
Candidate Starts for Circinus_192:
(3, 102966), (5, 102993), (12, 103080), (16, 103128), (Start: 19 @103176 has 11 MA's),

Gene: Faust_230 Start: 113865, Stop: 114227, Start Num: 19
Candidate Starts for Faust_230:
(11, 113775), (13, 113790), (18, 113859), (Start: 19 @113865 has 11 MA's), (32, 114045), (35, 114105), (36, 114159),

Gene: Limpid_226 Start: 113653, Stop: 114015, Start Num: 19
Candidate Starts for Limpid_226:
(Start: 19 @113653 has 11 MA's), (25, 113749), (26, 113758), (30, 113812), (32, 113833),

Gene: Muntaha_261 Start: 123822, Stop: 124178, Start Num: 19
Candidate Starts for Muntaha_261:
(14, 123756), (17, 123786), (18, 123816), (Start: 19 @123822 has 11 MA's), (20, 123885), (22, 123891), (23, 123894), (24, 123915), (27, 123948), (28, 123954), (29, 123966), (33, 124017), (35, 124062),

Gene: SeresaTree_234 Start: 113851, Stop: 114213, Start Num: 19

Candidate Starts for SeresaTree_234:
(11, 113761), (13, 113776), (18, 113845), (Start: 19 @113851 has 11 MA's), (32, 114031), (35, 114091),

Gene: Sham_224 Start: 114537, Stop: 114899, Start Num: 19
Candidate Starts for Sham_224:
(1, 114303), (2, 114321), (4, 114360), (6, 114366), (7, 114372), (8, 114381), (9, 114387), (10, 114429), (13, 114462), (15, 114492), (Start: 19 @114537 has 11 MA's), (32, 114717), (38, 114843),

Gene: TunaTartare_232 Start: 116862, Stop: 117224, Start Num: 19
Candidate Starts for TunaTartare_232:
(Start: 19 @116862 has 11 MA's), (21, 116928), (32, 117042), (37, 117162), (38, 117168),

Gene: Wakanda_258 Start: 122986, Stop: 123342, Start Num: 19
Candidate Starts for Wakanda_258:
(14, 122920), (17, 122950), (18, 122980), (Start: 19 @122986 has 11 MA's), (20, 123049), (22, 123055), (23, 123058), (24, 123079), (27, 123112), (28, 123118), (29, 123130), (33, 123181), (35, 123226),