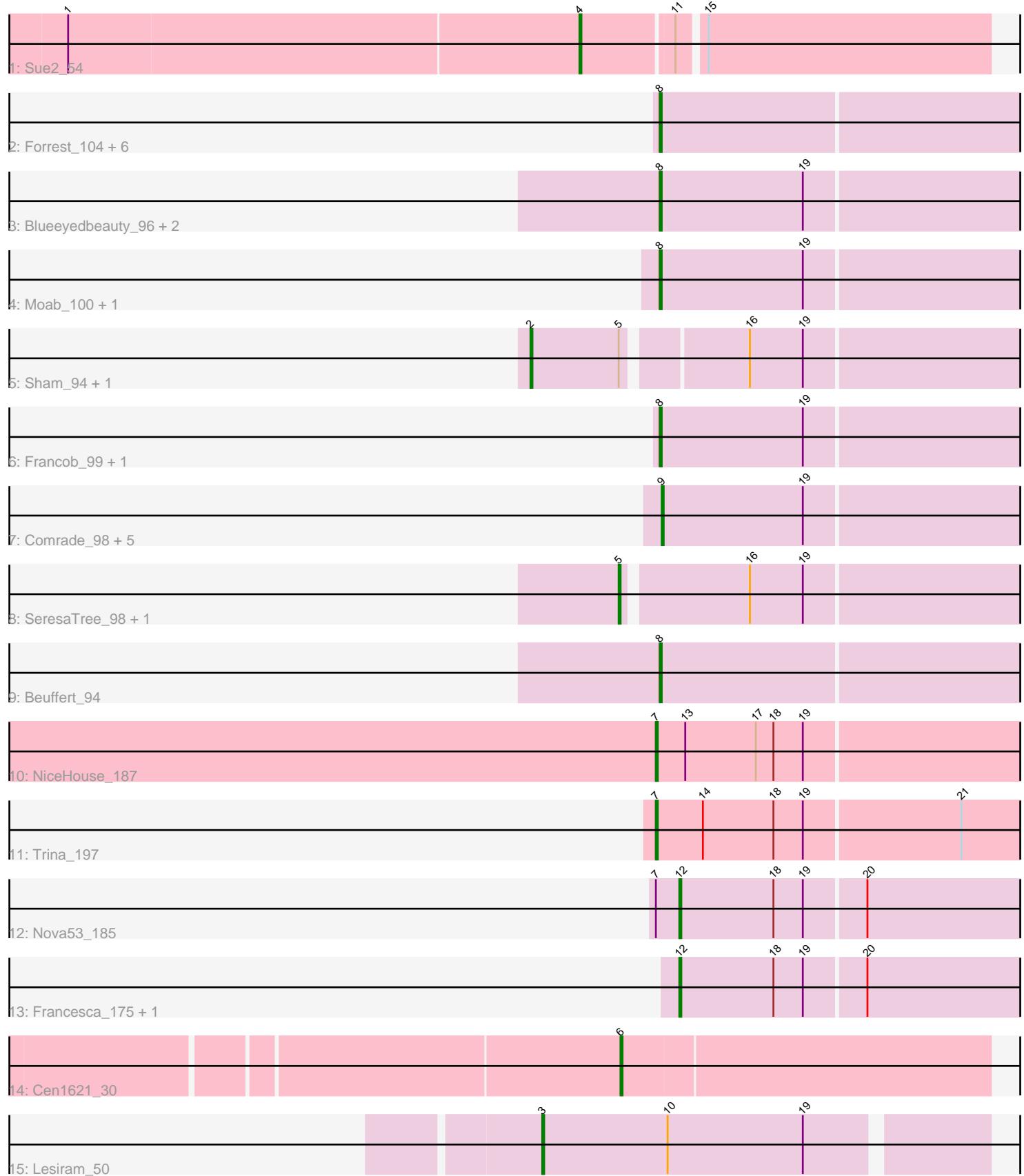# Pham 280684

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 280684 Report

This analysis was run 02/07/26 on database version 634.

Pham number 280684 has 33 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Sue2_54
• Track 2 : Forrest_104, Maupel_101, Phredrick_100, DeluluLabubu_100, Gilson_101, Jada_101, Emma1919_102
• Track 3 : Blueeyedbeauty_96, Annadreamy_94, Limpid_93
• Track 4 : Moab_100, Patelgo_99
• Track 5 : Sham_94, TunaTartare_97
• Track 6 : Francob_99, Kenrey_102
• Track 7 : Comrade_98, Westy_103, Belfort_101, SparkleGoddess_99, Stigma_98, Karp_97
• Track 8 : SeresaTree_98, Faust_98
• Track 9 : Beuffert_94
• Track 10 : NiceHouse_187
• Track 11 : Trina_197
• Track 12 : Nova53_185
• Track 13 : Francesca_175, Dorin_173
• Track 14 : Cen1621_30
• Track 15 : Lesiram_50

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

The start number called the most often in the published annotations is 8, it was called in 13 of the 30 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Annadreamy_94, Beuffert_94, Blueeyedbeauty_96, DeluluLabubu_100, Emma1919_102, Forrest_104, Francob_99, Gilson_101, Jada_101, Kenrey_102, Limpid_93, Maupel_101, Moab_100, Patelgo_99, Phredrick_100,

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

Genes that do not have the "Most Annotated" start:
• Belfort_101, Cen1621_30, Comrade_98, Dorin_173, Faust_98, Francesca_175, Karp_97, Lesiram_50, NiceHouse_187, Nova53_185, SeresaTree_98, Sham_94,

SparkleGoddess_99, Stigma_98, Sue2_54, Trina_197, TunaTartare_97, Westy_103,

Summary by start number:

Start 2:
• Found in 2 of 33 (6.1%) of genes in pham
• Manual Annotations of this start: 2 of 30
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Sham_94 (BK1), TunaTartare_97 (BK1),

Start 3:
• Found in 1 of 33 (3.0%) of genes in pham
• Manual Annotations of this start: 1 of 30
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Lesiram_50 (GF),

Start 4:
• Found in 1 of 33 (3.0%) of genes in pham
• Manual Annotations of this start: 1 of 30
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Sue2_54 (AZ1),

Start 5:
• Found in 4 of 33 (12.1%) of genes in pham
• Manual Annotations of this start: 1 of 30
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Faust_98 (BK1), SeresaTree_98 (BK1),

Start 6:
• Found in 1 of 33 (3.0%) of genes in pham
• Manual Annotations of this start: 1 of 30
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Cen1621_30 (EH),

Start 7:
• Found in 3 of 33 (9.1%) of genes in pham
• Manual Annotations of this start: 2 of 30
• Called 66.7% of time when present
• Phage (with cluster) where this start called: NiceHouse_187 (CE), Trina_197 (CE),

Start 8:
• Found in 15 of 33 (45.5%) of genes in pham
• Manual Annotations of this start: 13 of 30
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Annadreamy_94 (BK1), Beuffert_94 (BK1), Blueeyedbeauty_96 (BK1), DeluluLabubu_100 (BK1), Emma1919_102 (BK1), Forrest_104 (BK1), Francob_99 (BK1), Gilson_101 (BK1), Jada_101 (BK1), Kenrey_102 (BK1), Limpid_93 (BK1), Maupel_101 (BK1), Moab_100 (BK1), Patelgo_99 (BK1), Phredrick_100 (BK1),

Start 9:
• Found in 6 of 33 (18.2%) of genes in pham
• Manual Annotations of this start: 6 of 30

• Called 100.0% of time when present
• Phage (with cluster) where this start called: Belfort_101 (BK1), Comrade_98 (BK1), Karp_97 (BK1), SparkleGoddess_99 (BK1), Stigma_98 (BK1), Westy_103 (BK1),

Start 12:
• Found in 3 of 33 (9.1%) of genes in pham
• Manual Annotations of this start: 3 of 30
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Dorin_173 (CG), Francesca_175 (CG), Nova53_185 (CG),

Summary by clusters:

There are 6 clusters represented in this pham: EH, CG, CE, GF, BK1, AZ1,

Info for manual annotations of cluster AZ1:
•Start number 4 was manually annotated 1 time for cluster AZ1.

Info for manual annotations of cluster BK1:
•Start number 2 was manually annotated 2 times for cluster BK1.
•Start number 5 was manually annotated 1 time for cluster BK1.
•Start number 8 was manually annotated 13 times for cluster BK1.
•Start number 9 was manually annotated 6 times for cluster BK1.

Info for manual annotations of cluster CE:
•Start number 7 was manually annotated 2 times for cluster CE.

Info for manual annotations of cluster CG:
•Start number 12 was manually annotated 3 times for cluster CG.

Info for manual annotations of cluster EH:
•Start number 6 was manually annotated 1 time for cluster EH.

Info for manual annotations of cluster GF:
•Start number 3 was manually annotated 1 time for cluster GF.

Gene Information:
Gene: Annadreamy_94 Start: 66362, Stop: 66547, Start Num: 8
Candidate Starts for Annadreamy_94:
(Start: 8 @66362 has 13 MA's), (19, 66434),

Gene: Belfort_101 Start: 68605, Stop: 68790, Start Num: 9
Candidate Starts for Belfort_101:
(Start: 9 @68605 has 6 MA's), (19, 68677),

Gene: Beuffert_94 Start: 66921, Stop: 67106, Start Num: 8
Candidate Starts for Beuffert_94:
(Start: 8 @66921 has 13 MA's),

Gene: Blueeyedbeauty_96 Start: 66320, Stop: 66505, Start Num: 8

Candidate Starts for Blueeyedbeauty_96:
(Start: 8 @66320 has 13 MA's), (19, 66392),

Gene: Cen1621_30 Start: 22502, Stop: 22687, Start Num: 6
Candidate Starts for Cen1621_30:
(Start: 6 @22502 has 1 MA's),

Gene: Comrade_98 Start: 67922, Stop: 68107, Start Num: 9
Candidate Starts for Comrade_98:
(Start: 9 @67922 has 6 MA's), (19, 67994),

Gene: DeluluLabubu_100 Start: 66761, Stop: 66946, Start Num: 8
Candidate Starts for DeluluLabubu_100:
(Start: 8 @66761 has 13 MA's),

Gene: Dorin_173 Start: 95195, Stop: 95365, Start Num: 12
Candidate Starts for Dorin_173:
(Start: 12 @95195 has 3 MA's), (18, 95243), (19, 95258), (20, 95288),

Gene: Emma1919_102 Start: 67382, Stop: 67567, Start Num: 8
Candidate Starts for Emma1919_102:
(Start: 8 @67382 has 13 MA's),

Gene: Faust_98 Start: 68011, Stop: 68205, Start Num: 5
Candidate Starts for Faust_98:
(Start: 5 @68011 has 1 MA's), (16, 68071), (19, 68098),

Gene: Forrest_104 Start: 69125, Stop: 69310, Start Num: 8
Candidate Starts for Forrest_104:
(Start: 8 @69125 has 13 MA's),

Gene: Francesca_175 Start: 96114, Stop: 96284, Start Num: 12
Candidate Starts for Francesca_175:
(Start: 12 @96114 has 3 MA's), (18, 96162), (19, 96177), (20, 96207),

Gene: Francob_99 Start: 67565, Stop: 67750, Start Num: 8
Candidate Starts for Francob_99:
(Start: 8 @67565 has 13 MA's), (19, 67637),

Gene: Gilson_101 Start: 67344, Stop: 67529, Start Num: 8
Candidate Starts for Gilson_101:
(Start: 8 @67344 has 13 MA's),

Gene: Jada_101 Start: 67857, Stop: 68042, Start Num: 8
Candidate Starts for Jada_101:
(Start: 8 @67857 has 13 MA's),

Gene: Karp_97 Start: 67879, Stop: 68064, Start Num: 9
Candidate Starts for Karp_97:
(Start: 9 @67879 has 6 MA's), (19, 67951),

Gene: Kenrey_102 Start: 67572, Stop: 67757, Start Num: 8
Candidate Starts for Kenrey_102:

(Start: 8 @67572 has 13 MA's), (19, 67644),

Gene: Lesiram_50 Start: 28642, Stop: 28860, Start Num: 3
Candidate Starts for Lesiram_50:
(Start: 3 @28642 has 1 MA's), (10, 28705), (19, 28774),

Gene: Limpid_93 Start: 66361, Stop: 66546, Start Num: 8
Candidate Starts for Limpid_93:
(Start: 8 @66361 has 13 MA's), (19, 66433),

Gene: Maupel_101 Start: 67344, Stop: 67529, Start Num: 8
Candidate Starts for Maupel_101:
(Start: 8 @67344 has 13 MA's),

Gene: Moab_100 Start: 69731, Stop: 69916, Start Num: 8
Candidate Starts for Moab_100:
(Start: 8 @69731 has 13 MA's), (19, 69803),

Gene: NiceHouse_187 Start: 105087, Stop: 105269, Start Num: 7
Candidate Starts for NiceHouse_187:
(Start: 7 @105087 has 2 MA's), (13, 105102), (17, 105138), (18, 105147), (19, 105162),

Gene: Nova53_185 Start: 97990, Stop: 98160, Start Num: 12
Candidate Starts for Nova53_185:
(Start: 7 @97978 has 2 MA's), (Start: 12 @97990 has 3 MA's), (18, 98038), (19, 98053), (20, 98083),

Gene: Patelgo_99 Start: 68817, Stop: 69002, Start Num: 8
Candidate Starts for Patelgo_99:
(Start: 8 @68817 has 13 MA's), (19, 68889),

Gene: Phredrick_100 Start: 66672, Stop: 66857, Start Num: 8
Candidate Starts for Phredrick_100:
(Start: 8 @66672 has 13 MA's),

Gene: SeresaTree_98 Start: 67393, Stop: 67587, Start Num: 5
Candidate Starts for SeresaTree_98:
(Start: 5 @67393 has 1 MA's), (16, 67453), (19, 67480),

Gene: Sham_94 Start: 67538, Stop: 67780, Start Num: 2
Candidate Starts for Sham_94:
(Start: 2 @67538 has 2 MA's), (Start: 5 @67583 has 1 MA's), (16, 67640), (19, 67667),

Gene: SparkleGoddess_99 Start: 68222, Stop: 68407, Start Num: 9
Candidate Starts for SparkleGoddess_99:
(Start: 9 @68222 has 6 MA's), (19, 68294),

Gene: Stigma_98 Start: 68230, Stop: 68415, Start Num: 9
Candidate Starts for Stigma_98:
(Start: 9 @68230 has 6 MA's), (19, 68302),

Gene: Sue2_54 Start: 38086, Stop: 38286, Start Num: 4
Candidate Starts for Sue2_54:
(1, 37828), (Start: 4 @38086 has 1 MA's), (11, 38131), (15, 38143),

Gene: Trina_197 Start: 106567, Stop: 106749, Start Num: 7
Candidate Starts for Trina_197:
(Start: 7 @106567 has 2 MA's), (14, 106591), (18, 106627), (19, 106642), (21, 106720),

Gene: TunaTartare_97 Start: 68701, Stop: 68943, Start Num: 2
Candidate Starts for TunaTartare_97:
(Start: 2 @68701 has 2 MA's), (Start: 5 @68746 has 1 MA's), (16, 68803), (19, 68830),

Gene: Westy_103 Start: 69242, Stop: 69427, Start Num: 9
Candidate Starts for Westy_103:
(Start: 9 @69242 has 6 MA's), (19, 69314),