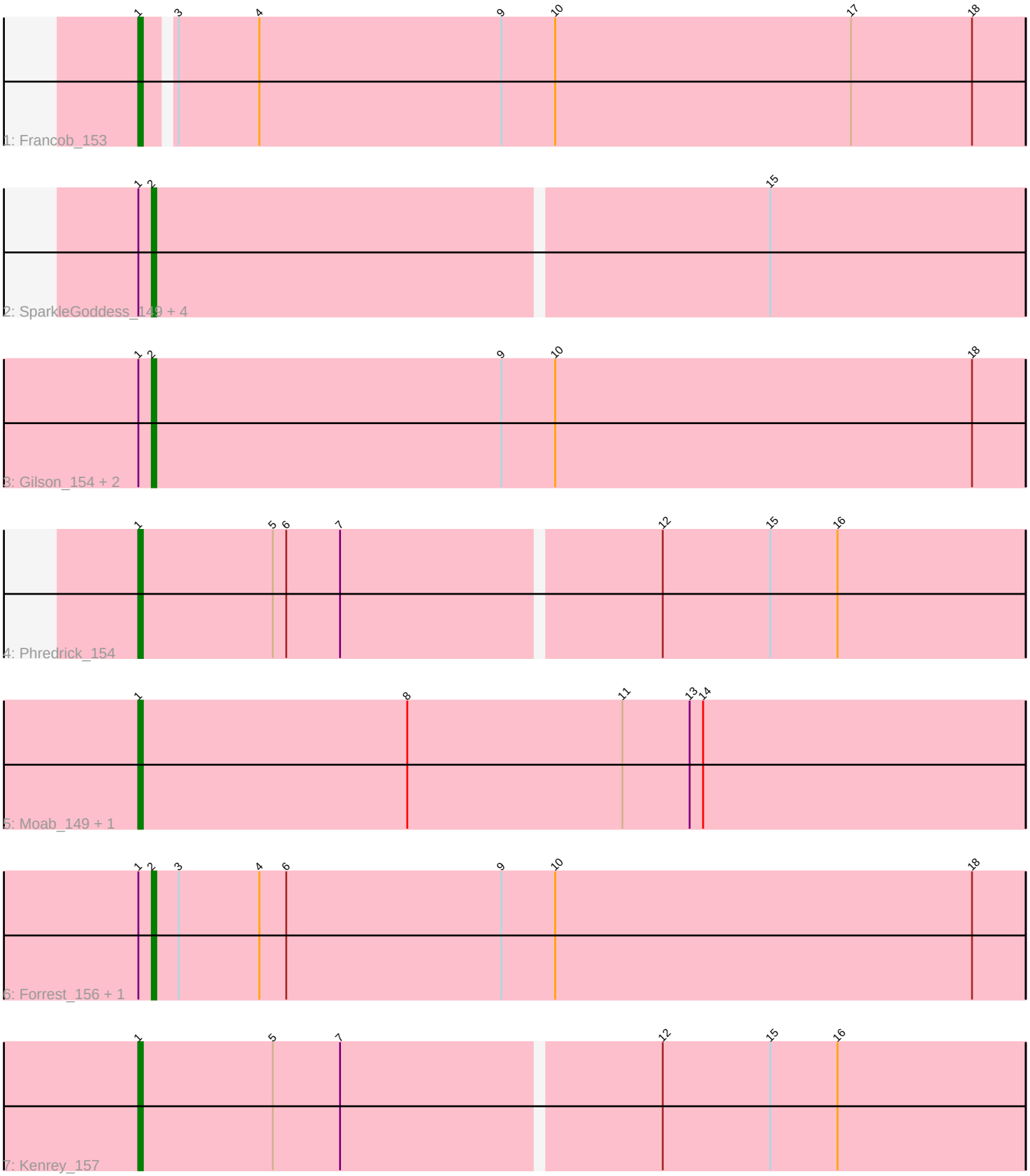
Pham 5358


1
3
4
9
10
17
18
1: Francob_153
1
2
15
2: SparkleGoddess_149 + 4
1
2
9
10
18
3: Gilson_154 + 2
1
5
6
7
12
15
16
4: Phredrick_154
1
8
11
13
14
5: Moab_149 + 1
1
2
3
4
6
9
10
18
6: Forrest_156 + 1
1
5
7
12
15
16
7: Kenrey_157

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 5358 Report

This analysis was run 04/05/24 on database version 557.

Pham number 5358 has 15 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Francob_153
• Track 2 : SparkleGoddess_149, Comrade_147, Karp_144, Stigma_148, Belfort_150
• Track 3 : Gilson_154, Emma1919_155, MeganTheeKilla_151
• Track 4 : Phredrick_154
• Track 5 : Moab_149, Patelgo_151
• Track 6 : Forrest_156, Jada_153
• Track 7 : Kenrey_157

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

The start number called the most often in the published annotations is 2, it was called in 10 of the 15 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Belfort_150, Comrade_147, Emma1919_155, Forrest_156, Gilson_154, Jada_153, Karp_144, MeganTheeKilla_151, SparkleGoddess_149, Stigma_148,

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

Genes that do not have the "Most Annotated" start:
• Francob_153, Kenrey_157, Moab_149, Patelgo_151, Phredrick_154,

Summary by start number:

Start 1:
• Found in 15 of 15 (100.0%) of genes in pham
• Manual Annotations of this start: 5 of 15
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Francob_153 (BK1), Kenrey_157 (BK1), Moab_149 (BK1), Patelgo_151 (BK1), Phredrick_154 (BK1),

Start 2:
• Found in 10 of 15 (66.7%) of genes in pham

• Manual Annotations of this start: 10 of 15
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Belfort_150 (BK1), Comrade_147 (BK1), Emma1919_155 (BK1), Forrest_156 (BK1), Gilson_154 (BK1), Jada_153 (BK1), Karp_144 (BK1), MeganTheeKilla_151 (BK1), SparkleGoddess_149 (BK1), Stigma_148 (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 5 times for cluster BK1.
•Start number 2 was manually annotated 10 times for cluster BK1.

Gene Information:

Gene: Belfort_150 Start: 84803, Stop: 84994, Start Num: 2
Candidate Starts for Belfort_150:
(Start: 1 @84800 has 5 MA's), (Start: 2 @84803 has 10 MA's), (15, 84938),

Gene: Comrade_147 Start: 85002, Stop: 85193, Start Num: 2
Candidate Starts for Comrade_147:
(Start: 1 @84999 has 5 MA's), (Start: 2 @85002 has 10 MA's), (15, 85137),

Gene: Emma1919_155 Start: 84414, Stop: 84608, Start Num: 2
Candidate Starts for Emma1919_155:
(Start: 1 @84411 has 5 MA's), (Start: 2 @84414 has 10 MA's), (9, 84492), (10, 84504), (18, 84597),

Gene: Forrest_156 Start: 85508, Stop: 85702, Start Num: 2
Candidate Starts for Forrest_156:
(Start: 1 @85505 has 5 MA's), (Start: 2 @85508 has 10 MA's), (3, 85514), (4, 85532), (6, 85538), (9, 85586), (10, 85598), (18, 85691),

Gene: Francob_153 Start: 84932, Stop: 85126, Start Num: 1
Candidate Starts for Francob_153:
(Start: 1 @84932 has 5 MA's), (3, 84938), (4, 84956), (9, 85010), (10, 85022), (17, 85088), (18, 85115),

Gene: Gilson_154 Start: 84376, Stop: 84570, Start Num: 2
Candidate Starts for Gilson_154:
(Start: 1 @84373 has 5 MA's), (Start: 2 @84376 has 10 MA's), (9, 84454), (10, 84466), (18, 84559),

Gene: Jada_153 Start: 84205, Stop: 84399, Start Num: 2
Candidate Starts for Jada_153:
(Start: 1 @84202 has 5 MA's), (Start: 2 @84205 has 10 MA's), (3, 84211), (4, 84229), (6, 84235), (9, 84283), (10, 84295), (18, 84388),

Gene: Karp_144 Start: 84230, Stop: 84421, Start Num: 2
Candidate Starts for Karp_144:
(Start: 1 @84227 has 5 MA's), (Start: 2 @84230 has 10 MA's), (15, 84365),

Gene: Kenrey_157 Start: 85532, Stop: 85726, Start Num: 1
Candidate Starts for Kenrey_157:
(Start: 1 @85532 has 5 MA's), (5, 85562), (7, 85577), (12, 85646), (15, 85670), (16, 85685),

Gene: MeganTheeKilla_151 Start: 83727, Stop: 83921, Start Num: 2
Candidate Starts for MeganTheeKilla_151:
(Start: 1 @83724 has 5 MA's), (Start: 2 @83727 has 10 MA's), (9, 83805), (10, 83817), (18, 83910),

Gene: Moab_149 Start: 85890, Stop: 86087, Start Num: 1
Candidate Starts for Moab_149:
(Start: 1 @85890 has 5 MA's), (8, 85950), (11, 85998), (13, 86013), (14, 86016),

Gene: Patelgo_151 Start: 86582, Stop: 86779, Start Num: 1
Candidate Starts for Patelgo_151:
(Start: 1 @86582 has 5 MA's), (8, 86642), (11, 86690), (13, 86705), (14, 86708),

Gene: Phredrick_154 Start: 83876, Stop: 84070, Start Num: 1
Candidate Starts for Phredrick_154:
(Start: 1 @83876 has 5 MA's), (5, 83906), (6, 83909), (7, 83921), (12, 83990), (15, 84014), (16, 84029),

Gene: SparkleGoddess_149 Start: 85049, Stop: 85240, Start Num: 2
Candidate Starts for SparkleGoddess_149:
(Start: 1 @85046 has 5 MA's), (Start: 2 @85049 has 10 MA's), (15, 85184),

Gene: Stigma_148 Start: 85447, Stop: 85638, Start Num: 2
Candidate Starts for Stigma_148:
(Start: 1 @85444 has 5 MA's), (Start: 2 @85447 has 10 MA's), (15, 85582),