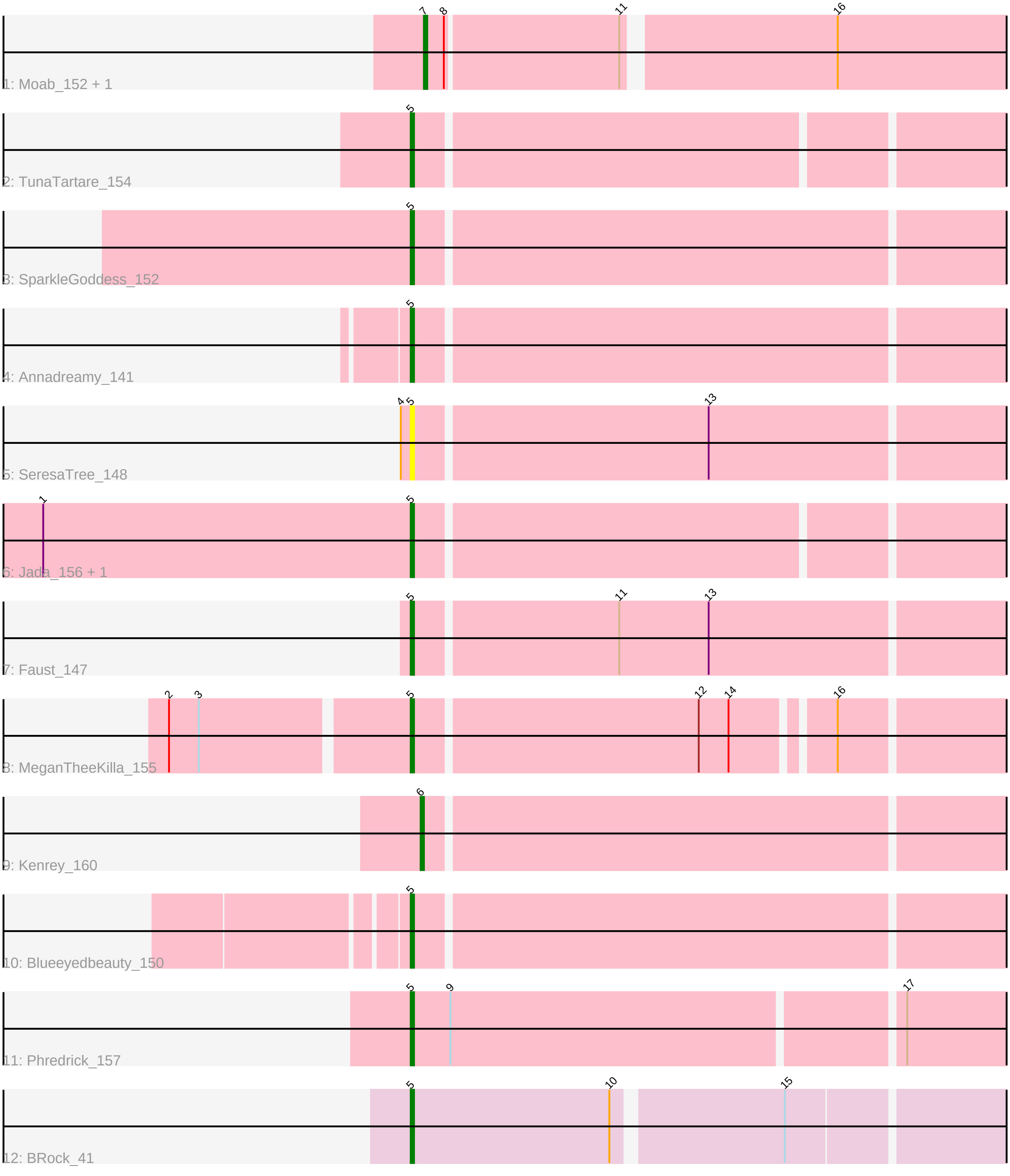
Pham 203433



7 8 11 16
1: Moab_152 + 1
5
2: TunaTartare_154
5
3: SparkleGoddess_152
5
4: Annadreamy_141
4 5 13
5: SeresaTree_148
1 5
6: Jada_156 + 1
5 11 13
7: Faust_147
2 3 5 12 14 16
8: MeganTheeKilla_155
6
9: Kenrey_160
5
10: Blueeyedbeauty_150
5 9 17
11: Phredrick_157
5 10 15
12: BRock_41

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 203433 Report

This analysis was run 01/18/25 on database version 583.

Pham number 203433 has 14 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Moab_152, Patelgo_154
• Track 2 : TunaTartare_154
• Track 3 : SparkleGoddess_152
• Track 4 : Annadreamy_141
• Track 5 : SeresaTree_148
• Track 6 : Jada_156, Forrest_159
• Track 7 : Faust_147
• Track 8 : MeganTheeKilla_155
• Track 9 : Kenrey_160
• Track 10 : Blueeyedbeauty_150
• Track 11 : Phredrick_157
• Track 12 : BRock_41

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

The start number called the most often in the published annotations is 5, it was called in 10 of the 13 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Annadreamy_141, BRock_41, Blueeyedbeauty_150, Faust_147, Forrest_159, Jada_156, MeganTheeKilla_155, Phredrick_157, SeresaTree_148, SparkleGoddess_152, TunaTartare_154,

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

Genes that do not have the "Most Annotated" start:
• Kenrey_160, Moab_152, Patelgo_154,

Summary by start number:

Start 5:
• Found in 11 of 14 (78.6%) of genes in pham
• Manual Annotations of this start: 10 of 13

• Called 100.0% of time when present
• Phage (with cluster) where this start called: Annadreamy_141 (BK1), BRock_41 (BS), Blueeyedbeauty_150 (BK1), Faust_147 (BK1), Forrest_159 (BK1), Jada_156 (BK1), MeganTheeKilla_155 (BK1), Phredrick_157 (BK1), SeresaTree_148 (BK1), SparkleGoddess_152 (BK1), TunaTartare_154 (BK1),

Start 6:
• Found in 1 of 14 (7.1%) of genes in pham
• Manual Annotations of this start: 1 of 13
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Kenrey_160 (BK1),

Start 7:
• Found in 2 of 14 (14.3%) of genes in pham
• Manual Annotations of this start: 2 of 13
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Moab_152 (BK1), Patelgo_154 (BK1),

Summary by clusters:

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

Info for manual annotations of cluster BK1:
•Start number 5 was manually annotated 9 times for cluster BK1.
•Start number 6 was manually annotated 1 time for cluster BK1.
•Start number 7 was manually annotated 2 times for cluster BK1.

Info for manual annotations of cluster BS:
•Start number 5 was manually annotated 1 time for cluster BS.

Gene Information:

Gene: Annadreamy_141 Start: 79572, Stop: 79751, Start Num: 5
Candidate Starts for Annadreamy_141:
(Start: 5 @79572 has 10 MA's),

Gene: BRock_41 Start: 14791, Stop: 14961, Start Num: 5
Candidate Starts for BRock_41:
(Start: 5 @14791 has 10 MA's), (10, 14851), (15, 14899),

Gene: Blueeyedbeauty_150 Start: 83996, Stop: 84175, Start Num: 5
Candidate Starts for Blueeyedbeauty_150:
(Start: 5 @83996 has 10 MA's),

Gene: Faust_147 Start: 85142, Stop: 85321, Start Num: 5
Candidate Starts for Faust_147:
(Start: 5 @85142 has 10 MA's), (11, 85202), (13, 85229),

Gene: Forrest_159 Start: 86104, Stop: 86274, Start Num: 5
Candidate Starts for Forrest_159:
(1, 85993), (Start: 5 @86104 has 10 MA's),

Gene: Jada_156 Start: 84801, Stop: 84971, Start Num: 5
Candidate Starts for Jada_156:
(1, 84690), (Start: 5 @84801 has 10 MA's),

Gene: Kenrey_160 Start: 86124, Stop: 86300, Start Num: 6
Candidate Starts for Kenrey_160:
(Start: 6 @86124 has 1 MA's),

Gene: MeganTheeKilla_155 Start: 84589, Stop: 84762, Start Num: 5
Candidate Starts for MeganTheeKilla_155:
(2, 84520), (3, 84529), (Start: 5 @84589 has 10 MA's), (12, 84673), (14, 84682), (16, 84709),

Gene: Moab_152 Start: 86604, Stop: 86774, Start Num: 7
Candidate Starts for Moab_152:
(Start: 7 @86604 has 2 MA's), (8, 86610), (11, 86661), (16, 86721),

Gene: Patelgo_154 Start: 87296, Stop: 87466, Start Num: 7
Candidate Starts for Patelgo_154:
(Start: 7 @87296 has 2 MA's), (8, 87302), (11, 87353), (16, 87413),

Gene: Phredrick_157 Start: 84468, Stop: 84644, Start Num: 5
Candidate Starts for Phredrick_157:
(Start: 5 @84468 has 10 MA's), (9, 84480), (17, 84612),

Gene: SeresaTree_148 Start: 84524, Stop: 84703, Start Num: 5
Candidate Starts for SeresaTree_148:
(4, 84521), (Start: 5 @84524 has 10 MA's), (13, 84611),

Gene: SparkleGoddess_152 Start: 85634, Stop: 85813, Start Num: 5
Candidate Starts for SparkleGoddess_152:
(Start: 5 @85634 has 10 MA's),

Gene: TunaTartare_154 Start: 88266, Stop: 88436, Start Num: 5
Candidate Starts for TunaTartare_154:
(Start: 5 @88266 has 10 MA's),