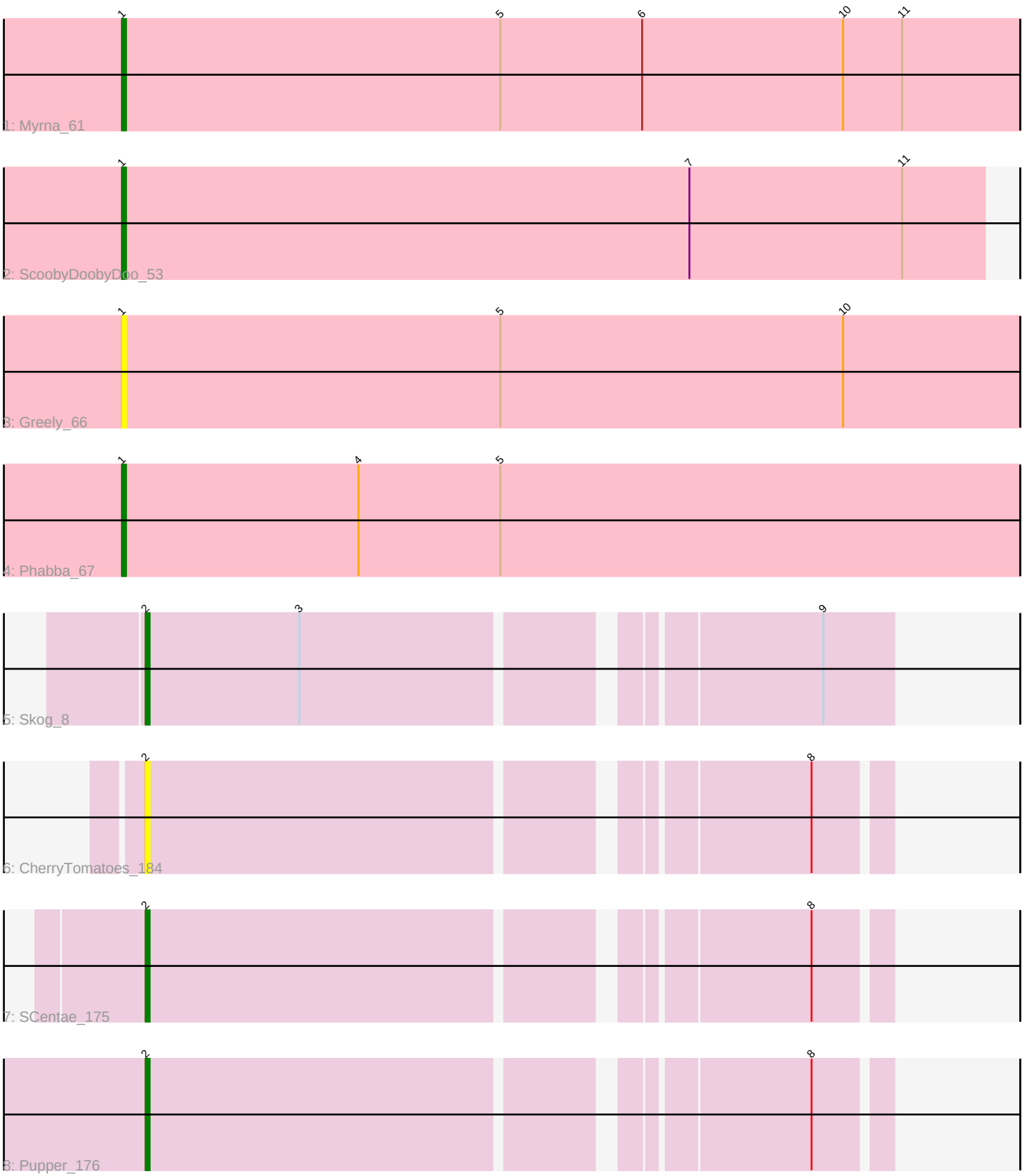
Pham 107195


1
5
6
10
11
1: Myrna_61
1
7
11
2: ScoobyDoobyDoo_53
1
5
10
3: Greely_66
1
4
5
4: Phabba_67
2
3
9
5: Skog_8
2
8
6: CherryTomatoes_184
2
8
7: SCentae_175
2
8
8: Pupper_176

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 107195 Report

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

Pham number 107195 has 8 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Myrna_61
• Track 2 : ScoobyDoobyDoo_53
• Track 3 : Greely_66
• Track 4 : Phabba_67
• Track 5 : Skog_8
• Track 6 : CherryTomatoes_184
• Track 7 : SCentae_175
• Track 8 : Pupper_176

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 3 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• CherryTomatoes_184, Pupper_176, SCentae_175, Skog_8,

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

Genes that do not have the "Most Annotated" start:
• Greely_66, Myrna_61, Phabba_67, ScoobyDoobyDoo_53,

Summary by start number:

Start 1:
• Found in 4 of 8 (50.0%) of genes in pham
• Manual Annotations of this start: 3 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Greely_66 (C2), Myrna_61 (C2), Phabba_67 (C2), ScoobyDoobyDoo_53 (C2),

Start 2:
• Found in 4 of 8 (50.0%) of genes in pham

• Manual Annotations of this start: 3 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: CherryTomatoes_184 (DO), Pupper_176 (DO), SCentae_175 (DO), Skog_8 (DO),

Summary by clusters:

There are 2 clusters represented in this pham: DO, C2,

Info for manual annotations of cluster C2:
•Start number 1 was manually annotated 3 times for cluster C2.

Info for manual annotations of cluster DO:
•Start number 2 was manually annotated 3 times for cluster DO.

Gene Information:

Gene: CherryTomatoes_184 Start: 129843, Stop: 130016, Start Num: 2
Candidate Starts for CherryTomatoes_184:
(Start: 2 @129843 has 3 MA's), (8, 129999),

Gene: Greely_66 Start: 24053, Stop: 24280, Start Num: 1
Candidate Starts for Greely_66:
(Start: 1 @24053 has 3 MA's), (5, 24149), (10, 24236),

Gene: Myrna_61 Start: 23414, Stop: 23641, Start Num: 1
Candidate Starts for Myrna_61:
(Start: 1 @23414 has 3 MA's), (5, 23510), (6, 23546), (10, 23597), (11, 23612),

Gene: Phabba_67 Start: 23879, Stop: 24106, Start Num: 1
Candidate Starts for Phabba_67:
(Start: 1 @23879 has 3 MA's), (4, 23939), (5, 23975),

Gene: Pupper_176 Start: 129427, Stop: 129600, Start Num: 2
Candidate Starts for Pupper_176:
(Start: 2 @129427 has 3 MA's), (8, 129583),

Gene: SCentae_175 Start: 129619, Stop: 129792, Start Num: 2
Candidate Starts for SCentae_175:
(Start: 2 @129619 has 3 MA's), (8, 129775),

Gene: ScoobyDoobyDoo_53 Start: 18629, Stop: 18847, Start Num: 1
Candidate Starts for ScoobyDoobyDoo_53:
(Start: 1 @18629 has 3 MA's), (7, 18773), (11, 18827),

Gene: Skog_8 Start: 5977, Stop: 6153, Start Num: 2
Candidate Starts for Skog_8:
(Start: 2 @5977 has 3 MA's), (3, 6016), (9, 6136),