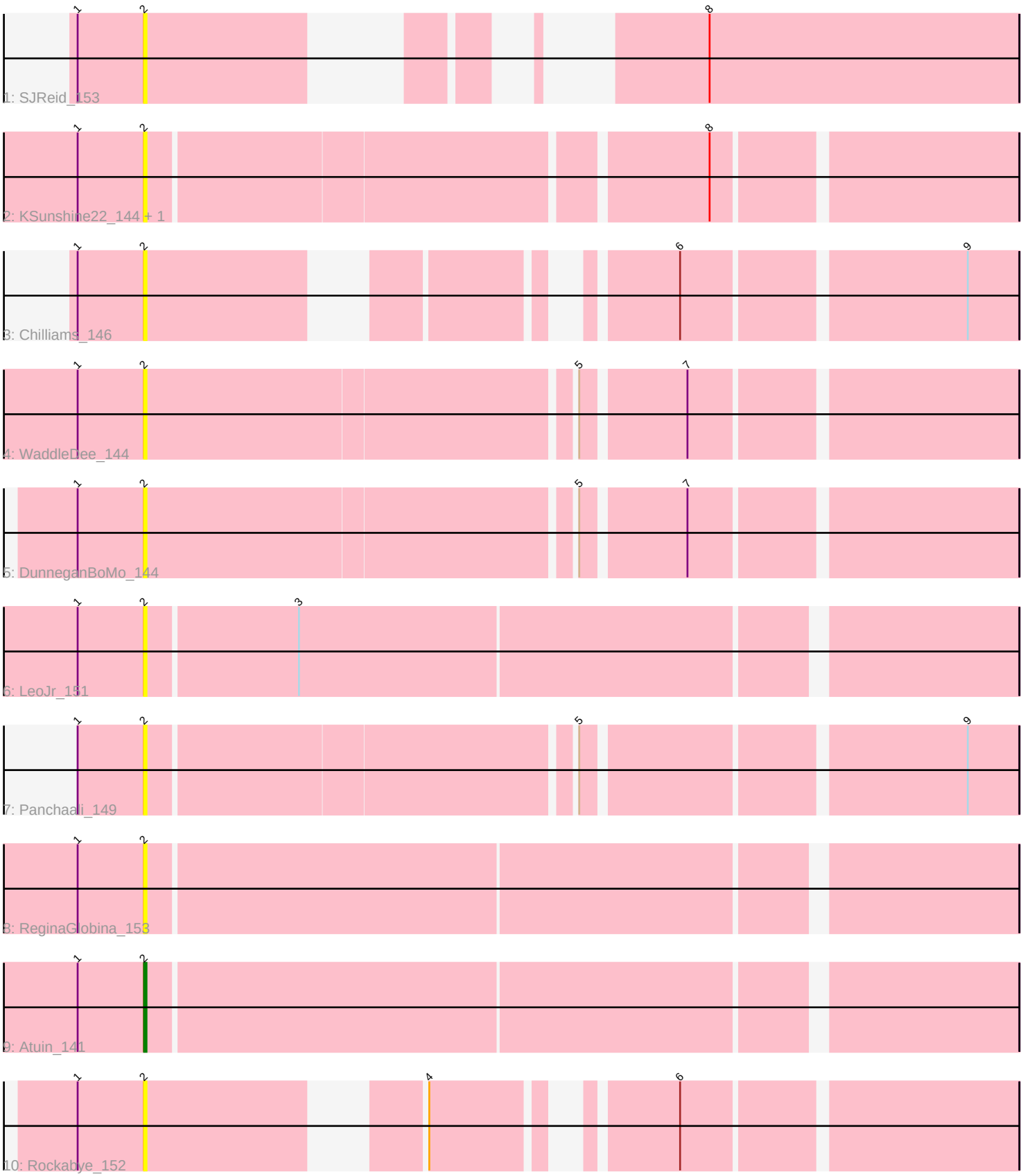
Pham 216763


1
2
8
1: SJReid_153
1
2
8
2: KSunshine22_144 + 1
1
2
6
9
3: Chilliams_146
1
2
5
7
4: WaddleDee_144
1
2
5
7
5: DunneganBoMo_144
1
2
3
6: LeoJr_131
1
2
5
9
7: Panchaali_149
1
2
8: ReginaGlobina_153
1
2
9: Atuin_141
1
2
4
6
10: Rockabye_152

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 216763 Report

This analysis was run 02/22/25 on database version 588.

Pham number 216763 has 11 members, 10 are drafts.

Phages represented in each track:
• Track 1 : SJReid_153
• Track 2 : KSunshine22_144, Ellewin_144
• Track 3 : Chilliams_146
• Track 4 : WaddleDee_144
• Track 5 : DunneganBoMo_144
• Track 6 : LeoJr_151
• Track 7 : Panchaali_149
• Track 8 : ReginaGlobina_153
• Track 9 : Atuin_141
• Track 10 : Rockabye_152

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 1 of the 1 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Atuin_141, Chilliams_146, DunneganBoMo_144, Ellewin_144, KSunshine22_144, LeoJr_151, Panchaali_149, ReginaGlobina_153, Rockabye_152, SJReid_153, WaddleDee_144,

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 2:
• Found in 11 of 11 (100.0%) of genes in pham
• Manual Annotations of this start: 1 of 1
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Atuin_141 (FC), Chilliams_146 (FC), DunneganBoMo_144 (FC), Ellewin_144 (FC), KSunshine22_144 (FC), LeoJr_151 (FC), Panchaali_149 (FC), ReginaGlobina_153 (FC), Rockabye_152 (FC), SJReid_153 (FC), WaddleDee_144 (FC),

Summary by clusters:

There is one cluster represented in this pham: FC

Info for manual annotations of cluster FC:
•Start number 2 was manually annotated 1 time for cluster FC.

Gene Information:

Gene: Atuin_141 Start: 102470, Stop: 102808, Start Num: 2
Candidate Starts for Atuin_141:
(1, 102443), (Start: 2 @102470 has 1 MA's),

Gene: Chilliams_146 Start: 92996, Stop: 93289, Start Num: 2
Candidate Starts for Chilliams_146:
(1, 92969), (Start: 2 @92996 has 1 MA's), (6, 93161), (9, 93269),

Gene: DunneganBoMo_144 Start: 99250, Stop: 99582, Start Num: 2
Candidate Starts for DunneganBoMo_144:
(1, 99223), (Start: 2 @99250 has 1 MA's), (5, 99418), (7, 99457),

Gene: Ellewin_144 Start: 99314, Stop: 99646, Start Num: 2
Candidate Starts for Ellewin_144:
(1, 99287), (Start: 2 @99314 has 1 MA's), (8, 99530),

Gene: KSunshine22_144 Start: 100659, Stop: 100991, Start Num: 2
Candidate Starts for KSunshine22_144:
(1, 100632), (Start: 2 @100659 has 1 MA's), (8, 100875),

Gene: LeoJr_151 Start: 103056, Stop: 103394, Start Num: 2
Candidate Starts for LeoJr_151:
(1, 103029), (Start: 2 @103056 has 1 MA's), (3, 103116),

Gene: Panchaali_149 Start: 99779, Stop: 100108, Start Num: 2
Candidate Starts for Panchaali_149:
(1, 99752), (Start: 2 @99779 has 1 MA's), (5, 99944), (9, 100088),

Gene: ReginaGlobina_153 Start: 104264, Stop: 104602, Start Num: 2
Candidate Starts for ReginaGlobina_153:
(1, 104237), (Start: 2 @104264 has 1 MA's),

Gene: Rockabye_152 Start: 94626, Stop: 94919, Start Num: 2
Candidate Starts for Rockabye_152:
(1, 94599), (Start: 2 @94626 has 1 MA's), (4, 94713), (6, 94791),

Gene: SJReid_153 Start: 93407, Stop: 93670, Start Num: 2

Candidate Starts for SJReid_153:
(1, 93380), (Start: 2 @93407 has 1 MA's), (8, 93545),

Gene: WaddleDee_144 Start: 98436, Stop: 98768, Start Num: 2
Candidate Starts for WaddleDee_144:
(1, 98409), (Start: 2 @98436 has 1 MA's), (5, 98604), (7, 98643),