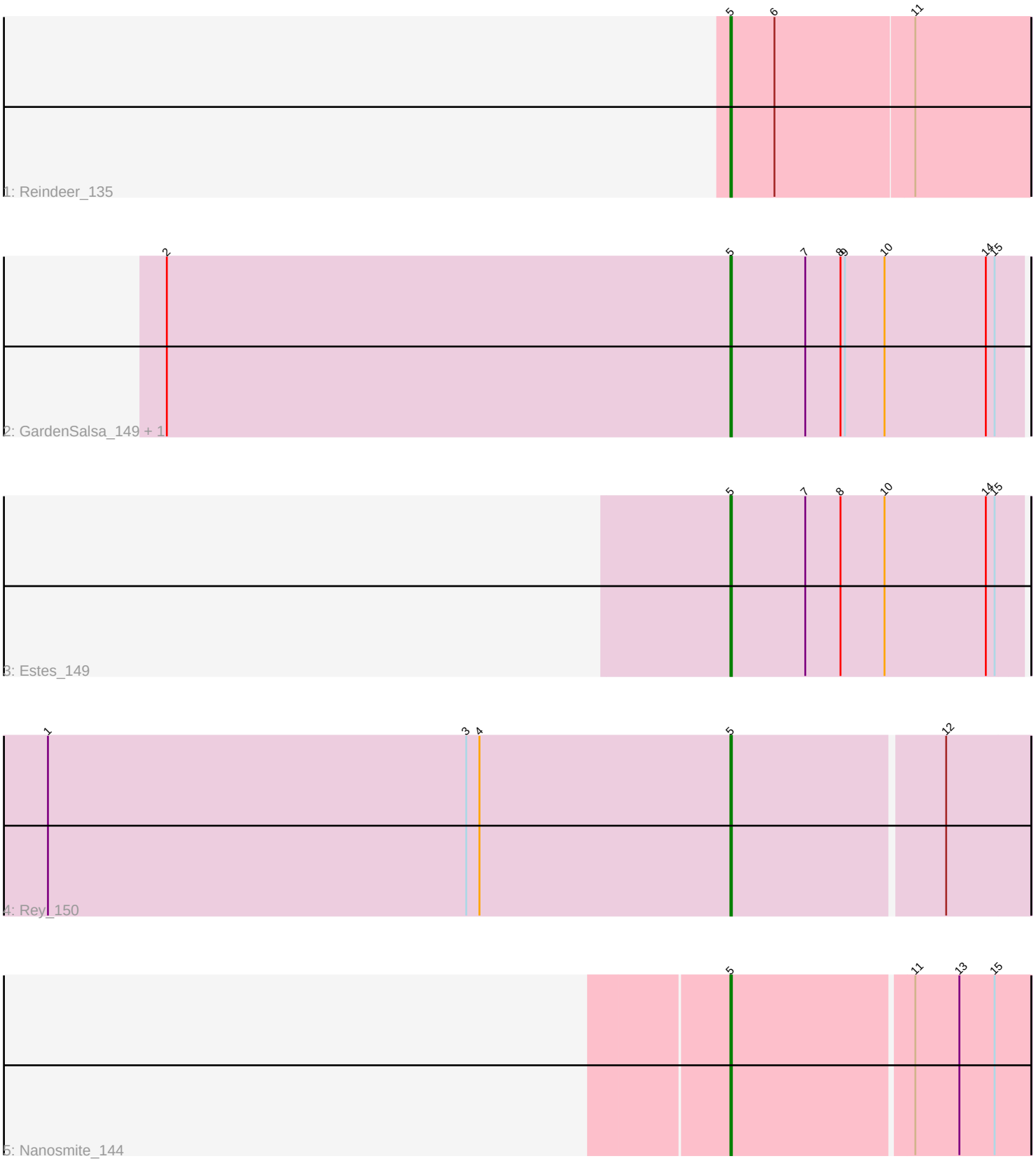
Pham 107152


5
6
11
1: Reindeer_135
2
5
7
8
9
10
14
15
2: GardenSalsa_149 + 1
5
7
8
10
14
15
3: Estes_149
1
3
4
5
12
4: Rey_150
5
11
13
15
5: Nanosmite_144

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 107152 Report

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

Pham number 107152 has 6 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Reindeer_135
• Track 2 : GardenSalsa_149, MrMagoo_151
• Track 3 : Estes_149
• Track 4 : Rey_150
• Track 5 : Nanosmite_144

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

Genes that call this "Most Annotated" start:
• Estes_149, GardenSalsa_149, MrMagoo_151, Nanosmite_144, Reindeer_135, Rey_150,

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 5:
• Found in 6 of 6 (100.0%) of genes in pham
• Manual Annotations of this start: 6 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Estes_149 (M2), GardenSalsa_149 (M2), MrMagoo_151 (M2), Nanosmite_144 (M3), Reindeer_135 (M1), Rey_150 (M2),

Summary by clusters:

There are 3 clusters represented in this pham: M1, M3, M2,

Info for manual annotations of cluster M1:
•Start number 5 was manually annotated 1 time for cluster M1.

Info for manual annotations of cluster M2:
•Start number 5 was manually annotated 4 times for cluster M2.

Info for manual annotations of cluster M3:
•Start number 5 was manually annotated 1 time for cluster M3.

Gene Information:

Gene: Estes_149 Start: 71592, Stop: 71395, Start Num: 5
Candidate Starts for Estes_149:
(Start: 5 @71592 has 6 MA's), (7, 71541), (8, 71517), (10, 71487), (14, 71418), (15, 71412),

Gene: GardenSalsa_149 Start: 71766, Stop: 71569, Start Num: 5
Candidate Starts for GardenSalsa_149:
(2, 72150), (Start: 5 @71766 has 6 MA's), (7, 71715), (8, 71691), (9, 71688), (10, 71661), (14, 71592), (15, 71586),

Gene: MrMagoo_151 Start: 71767, Stop: 71570, Start Num: 5
Candidate Starts for MrMagoo_151:
(2, 72151), (Start: 5 @71767 has 6 MA's), (7, 71716), (8, 71692), (9, 71689), (10, 71662), (14, 71593), (15, 71587),

Gene: Nanosmite_144 Start: 71676, Stop: 71479, Start Num: 5
Candidate Starts for Nanosmite_144:
(Start: 5 @71676 has 6 MA's), (11, 71556), (13, 71526), (15, 71502),

Gene: Reindeer_135 Start: 71821, Stop: 71621, Start Num: 5
Candidate Starts for Reindeer_135:
(Start: 5 @71821 has 6 MA's), (6, 71791), (11, 71698),

Gene: Rey_150 Start: 71017, Stop: 70820, Start Num: 5
Candidate Starts for Rey_150:
(1, 71482), (3, 71197), (4, 71188), (Start: 5 @71017 has 6 MA's), (12, 70876),