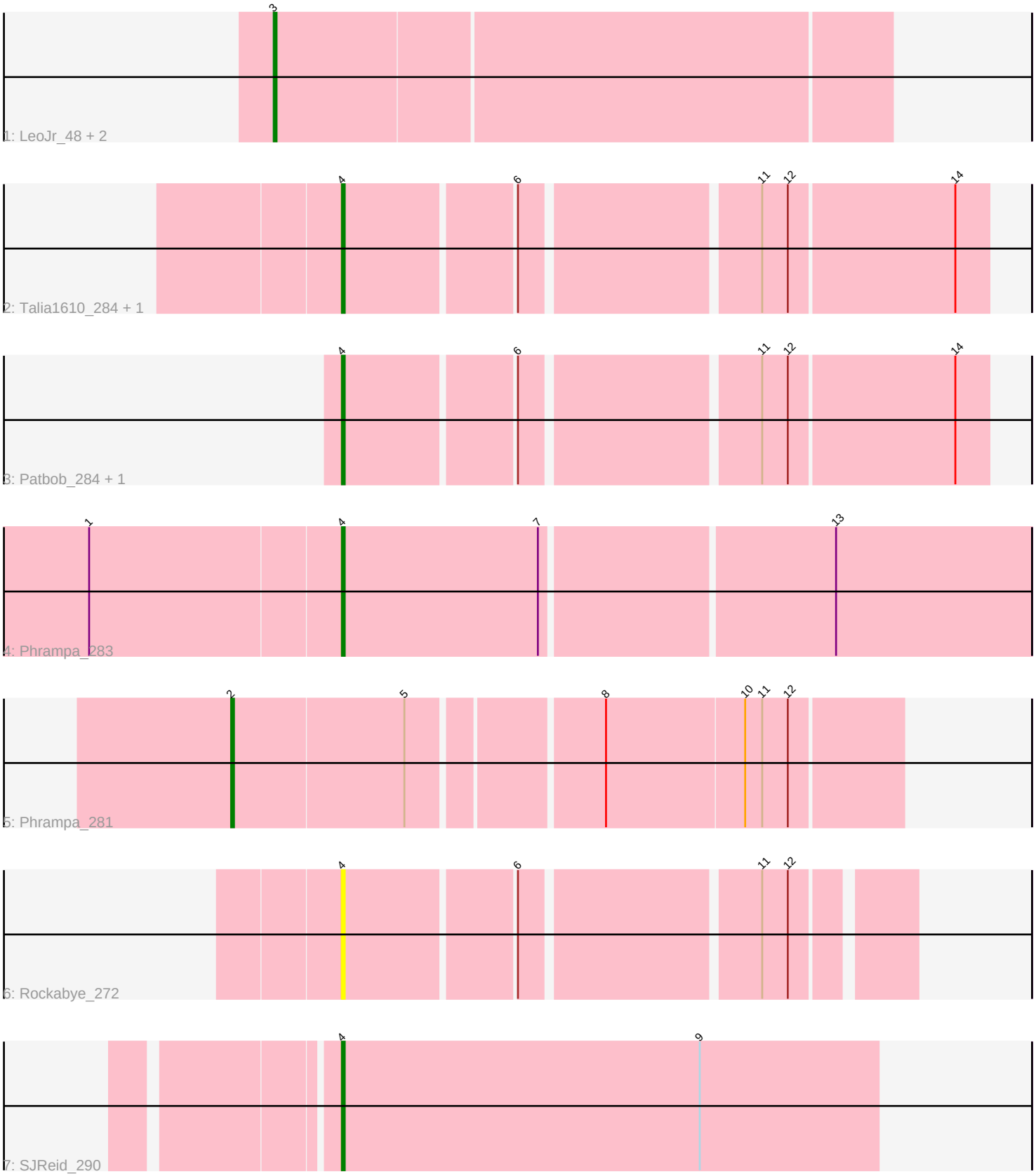
Pham 289928


3
1: LeoJr_48 + 2
4
6
11
12
14
2: Talia1610_284 + 1
4
6
11
12
14
3: Patbob_284 + 1
1
4
7
13
4: Phrampa_283
2
5
8
10
11
12
5: Phrampa_281
4
6
11
12
6: Rockabye_272
4
9
7: SJReid_290

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 289928 Report

This analysis was run 03/28/26 on database version 641.

Pham number 289928 has 11 members, 3 are drafts.

Phages represented in each track:
• Track 1 : LeoJr_48, ReginaGlobina_48, Atuin_45
• Track 2 : Talia1610_284, Mimi_283
• Track 3 : Patbob_284, Racecar_287
• Track 4 : Phrampa_283
• Track 5 : Phrampa_281
• Track 6 : Rockabye_272
• Track 7 : SJReid_290

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

The start number called the most often in the published annotations is 4, it was called in 6 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Mimi_283, Patbob_284, Phrampa_283, Racecar_287, Rockabye_272, SJReid_290, Talia1610_284,

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

Genes that do not have the "Most Annotated" start:
• Atuin_45, LeoJr_48, Phrampa_281, ReginaGlobina_48,

Summary by start number:

Start 2:
• Found in 1 of 11 (9.1%) of genes in pham
• Manual Annotations of this start: 1 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Phrampa_281 (FC),

Start 3:
• Found in 3 of 11 (27.3%) of genes in pham
• Manual Annotations of this start: 1 of 8

• Called 100.0% of time when present
• Phage (with cluster) where this start called: Atuin_45 (FC), LeoJr_48 (FC), ReginaGlobina_48 (FC),

Start 4:
• Found in 7 of 11 (63.6%) of genes in pham
• Manual Annotations of this start: 6 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Mimi_283 (FC), Patbob_284 (FC), Phrampa_283 (FC), Racecar_287 (FC), Rockabye_272 (FC), SJReid_290 (FC), Talia1610_284 (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.
•Start number 3 was manually annotated 1 time for cluster FC.
•Start number 4 was manually annotated 6 times for cluster FC.

Gene Information:

Gene: Atuin_45 Start: 20542, Stop: 20754, Start Num: 3
Candidate Starts for Atuin_45:
(Start: 3 @20542 has 1 MA's),

Gene: LeoJr_48 Start: 20708, Stop: 20920, Start Num: 3
Candidate Starts for LeoJr_48:
(Start: 3 @20708 has 1 MA's),

Gene: Mimi_283 Start: 172046, Stop: 172258, Start Num: 4
Candidate Starts for Mimi_283:
(Start: 4 @172046 has 6 MA's), (6, 172103), (11, 172181), (12, 172190), (14, 172247),

Gene: Patbob_284 Start: 174847, Stop: 175059, Start Num: 4
Candidate Starts for Patbob_284:
(Start: 4 @174847 has 6 MA's), (6, 174904), (11, 174982), (12, 174991), (14, 175048),

Gene: Phrampa_283 Start: 175935, Stop: 176171, Start Num: 4
Candidate Starts for Phrampa_283:
(1, 175848), (Start: 4 @175935 has 6 MA's), (7, 176004), (13, 176103),

Gene: Phrampa_281 Start: 175514, Stop: 175738, Start Num: 2
Candidate Starts for Phrampa_281:
(Start: 2 @175514 has 1 MA's), (5, 175574), (8, 175637), (10, 175685), (11, 175691), (12, 175700),

Gene: Racecar_287 Start: 173097, Stop: 173309, Start Num: 4
Candidate Starts for Racecar_287:
(Start: 4 @173097 has 6 MA's), (6, 173154), (11, 173232), (12, 173241), (14, 173298),

Gene: ReginaGlobina_48 Start: 20905, Stop: 21117, Start Num: 3
Candidate Starts for ReginaGlobina_48:
(Start: 3 @20905 has 1 MA's),

Gene: Rockabye_272 Start: 161895, Stop: 162077, Start Num: 4
Candidate Starts for Rockabye_272:
(Start: 4 @161895 has 6 MA's), (6, 161952), (11, 162030), (12, 162039),

Gene: SJReid_290 Start: 165038, Stop: 165226, Start Num: 4
Candidate Starts for SJReid_290:
(Start: 4 @165038 has 6 MA's), (9, 165164),

Gene: Talia1610_284 Start: 173825, Stop: 174037, Start Num: 4
Candidate Starts for Talia1610_284:
(Start: 4 @173825 has 6 MA's), (6, 173882), (11, 173960), (12, 173969), (14, 174026),