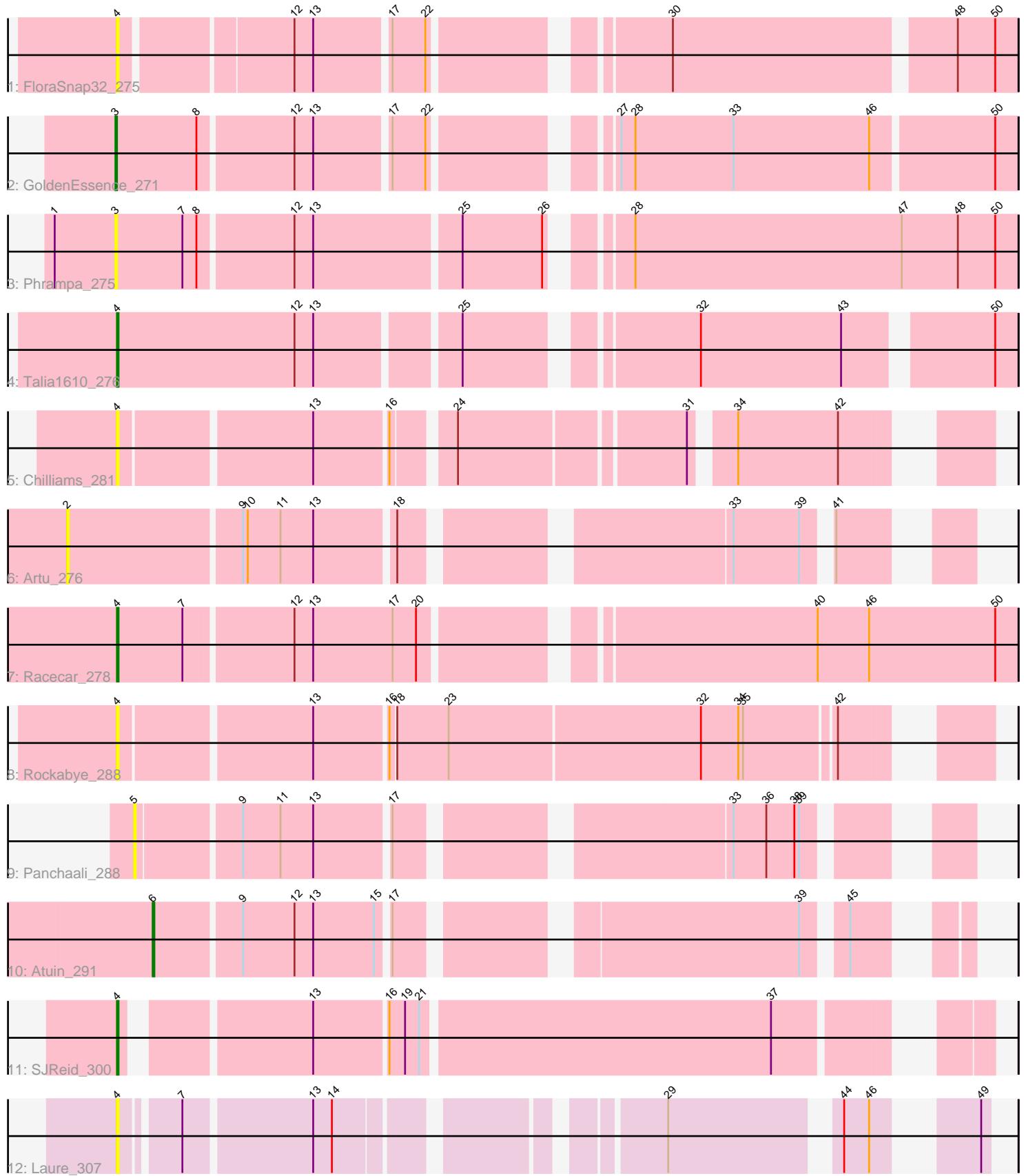


# Pham 276757



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 276757 Report

This analysis was run 02/07/26 on database version 634.

Pham number 276757 has 12 members, 7 are drafts.

Phages represented in each track:

- Track 1 : FloraSnap32\_275
- Track 2 : GoldenEssence\_271
- Track 3 : Phrampa\_275
- Track 4 : Talia1610\_276
- Track 5 : Chilliams\_281
- Track 6 : Artu\_276
- Track 7 : Racecar\_278
- Track 8 : RockabYE\_288
- Track 9 : Panchaali\_288
- Track 10 : Atuin\_291
- Track 11 : SJReid\_300
- Track 12 : Laure\_307

### ***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 3 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Chilliams\_281, FloraSnap32\_275, Laure\_307, Racecar\_278, RockabYE\_288, SJReid\_300, Talia1610\_276,

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

- 

Genes that do not have the "Most Annotated" start:

- Artu\_276, Atuin\_291, GoldenEssence\_271, Panchaali\_288, Phrampa\_275,

### **Summary by start number:**

Start 2:

- Found in 1 of 12 ( 8.3% ) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Artu\_276 (FC),

Start 3:

- Found in 2 of 12 ( 16.7% ) of genes in pham
- Manual Annotations of this start: 1 of 5
- Called 100.0% of time when present
- Phage (with cluster) where this start called: GoldenEssence\_271 (FC), Phrampa\_275 (FC),

Start 4:

- Found in 7 of 12 ( 58.3% ) of genes in pham
- Manual Annotations of this start: 3 of 5
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Chilliams\_281 (FC), FloraSnap32\_275 (FC), Laure\_307 (UNK), Racecar\_278 (FC), Rockabye\_288 (FC), SJReid\_300 (FC), Talia1610\_276 (FC),

Start 5:

- Found in 1 of 12 ( 8.3% ) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Panchaali\_288 (FC),

Start 6:

- Found in 1 of 12 ( 8.3% ) of genes in pham
- Manual Annotations of this start: 1 of 5
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Atuin\_291 (FC),

### **Summary by clusters:**

There are 2 clusters represented in this pham: UNK, FC,

Info for manual annotations of cluster FC:

- Start number 3 was manually annotated 1 time for cluster FC.
- Start number 4 was manually annotated 3 times for cluster FC.
- Start number 6 was manually annotated 1 time for cluster FC.

### **Gene Information:**

Gene: Artu\_276 Start: 174790, Stop: 175290, Start Num: 2

Candidate Starts for Artu\_276:

(2, 174790), (9, 174898), (10, 174901), (11, 174922), (13, 174943), (18, 174991), (33, 175174), (39, 175216), (41, 175228),

Gene: Atuin\_291 Start: 173414, Stop: 173854, Start Num: 6

Candidate Starts for Atuin\_291:

(Start: 6 @173414 has 1 MA's), (9, 173465), (12, 173498), (13, 173510), (15, 173549), (17, 173555), (39, 173783), (45, 173804),

Gene: Chilliams\_281 Start: 168229, Stop: 168711, Start Num: 4

Candidate Starts for Chilliams\_281:

(Start: 4 @168229 has 3 MA's), (13, 168346), (16, 168391), (24, 168424), (31, 168559), (34, 168580), (42, 168643),

Gene: FloraSnap32\_275 Start: 170256, Stop: 170774, Start Num: 4

Candidate Starts for FloraSnap32\_275:

(Start: 4 @170256 has 3 MA's), (12, 170358), (13, 170370), (17, 170415), (22, 170436), (30, 170565), (48, 170736), (50, 170760),

Gene: GoldenEssence\_271 Start: 166691, Stop: 167221, Start Num: 3

Candidate Starts for GoldenEssence\_271:

(Start: 3 @166691 has 1 MA's), (8, 166742), (12, 166799), (13, 166811), (17, 166856), (22, 166877), (27, 166973), (28, 166982), (33, 167045), (46, 167132), (50, 167207),

Gene: Laure\_307 Start: 164871, Stop: 165326, Start Num: 4

Candidate Starts for Laure\_307:

(Start: 4 @164871 has 3 MA's), (7, 164904), (13, 164982), (14, 164994), (29, 165168), (44, 165264), (46, 165279), (49, 165321),

Gene: Panchaali\_288 Start: 174600, Stop: 175055, Start Num: 5

Candidate Starts for Panchaali\_288:

(5, 174600), (9, 174663), (11, 174687), (13, 174708), (17, 174753), (33, 174939), (36, 174960), (38, 174978), (39, 174981),

Gene: Phrampa\_275 Start: 172393, Stop: 172935, Start Num: 3

Candidate Starts for Phrampa\_275:

(1, 172354), (Start: 3 @172393 has 1 MA's), (7, 172435), (8, 172444), (12, 172501), (13, 172513), (25, 172603), (26, 172654), (28, 172690), (47, 172861), (48, 172897), (50, 172921),

Gene: Racecar\_278 Start: 169786, Stop: 170328, Start Num: 4

Candidate Starts for Racecar\_278:

(Start: 4 @169786 has 3 MA's), (7, 169828), (12, 169894), (13, 169906), (17, 169957), (20, 169972), (40, 170200), (46, 170233), (50, 170314),

Gene: Rockabye\_288 Start: 168270, Stop: 168776, Start Num: 4

Candidate Starts for Rockabye\_288:

(Start: 4 @168270 has 3 MA's), (13, 168387), (16, 168432), (18, 168435), (23, 168468), (32, 168627), (34, 168651), (35, 168654), (42, 168708),

Gene: SJReid\_300 Start: 169574, Stop: 170062, Start Num: 4

Candidate Starts for SJReid\_300:

(Start: 4 @169574 has 3 MA's), (13, 169679), (16, 169724), (19, 169733), (21, 169742), (37, 169961),

Gene: Talia1610\_276 Start: 170693, Stop: 171220, Start Num: 4

Candidate Starts for Talia1610\_276:

(Start: 4 @170693 has 3 MA's), (12, 170807), (13, 170819), (25, 170903), (32, 171032), (43, 171122), (50, 171206),