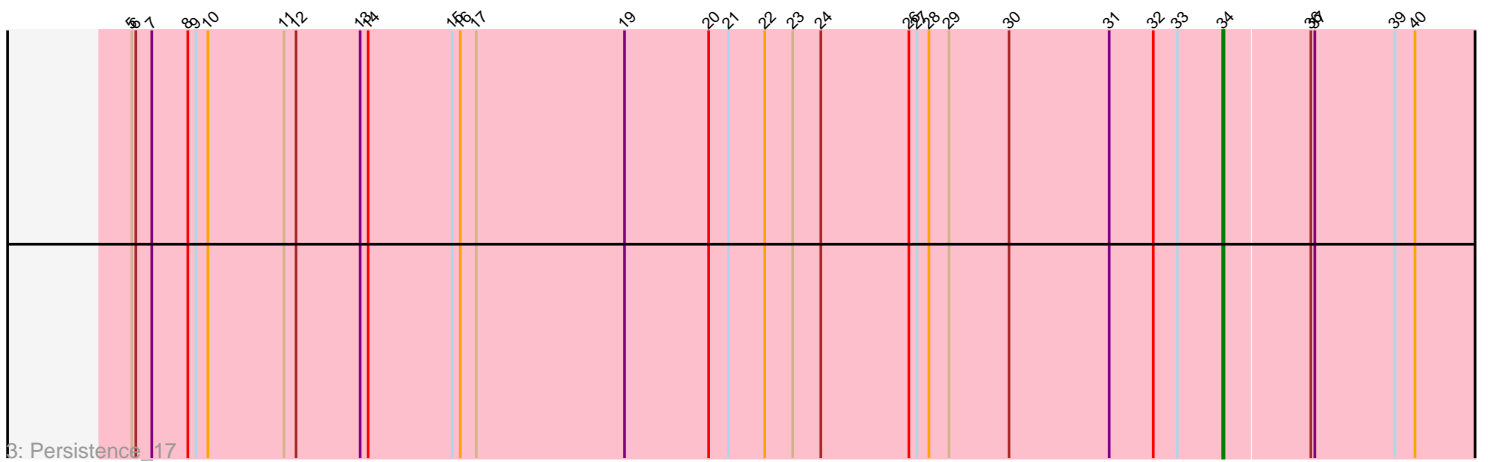
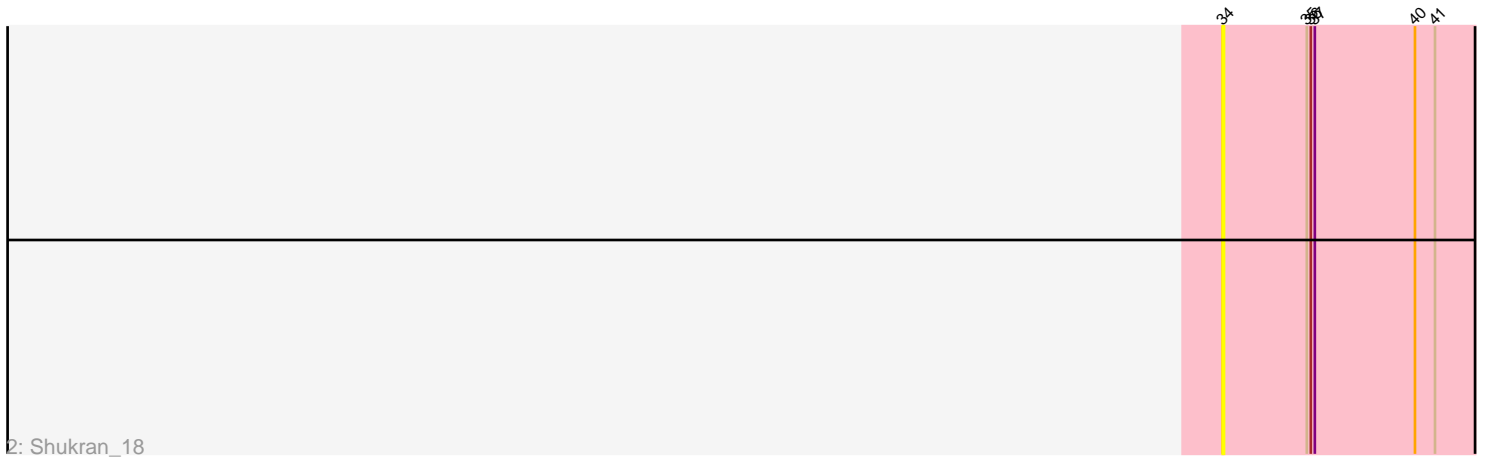
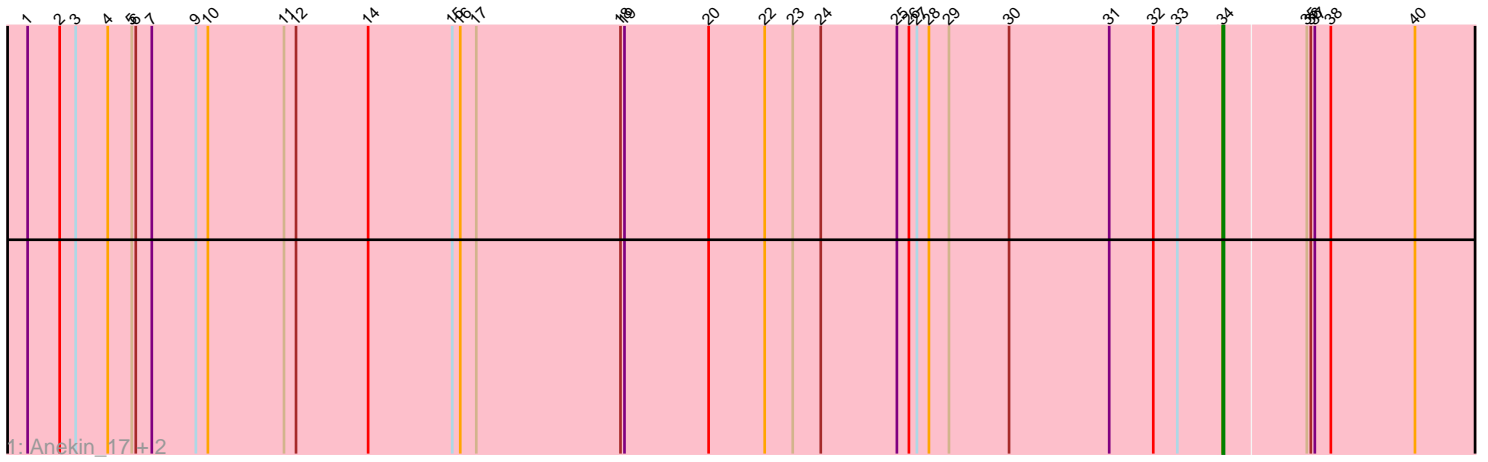


Pham 305638



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 305638 Report

This analysis was run 06/08/26 on database version 649.

Pham number 305638 has 5 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Anekin_17, Crescenzo_18, DarwinJr_21
- Track 2 : Shukran_18
- Track 3 : Persistence_17

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

The start number called the most often in the published annotations is 34, it was called in 4 of the 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Anekin_17, Crescenzo_18, DarwinJr_21, Persistence_17, Shukran_18,

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 34:

- Found in 5 of 5 (100.0%) of genes in pham
- Manual Annotations of this start: 4 of 4
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Anekin_17 (AY), Crescenzo_18 (AY), DarwinJr_21 (AY), Persistence_17 (AY), Shukran_18 (AY),

Summary by clusters:

There is one cluster represented in this pham: AY

Info for manual annotations of cluster AY:

- Start number 34 was manually annotated 4 times for cluster AY.

Gene Information:

Gene: Anekin_17 Start: 10843, Stop: 10652, Start Num: 34

Candidate Starts for Anekin_17:

(1, 11737), (2, 11713), (3, 11701), (4, 11677), (5, 11659), (6, 11656), (7, 11644), (9, 11611), (10, 11602), (11, 11545), (12, 11536), (14, 11482), (15, 11419), (16, 11413), (17, 11401), (18, 11293), (19, 11290), (20, 11227), (22, 11185), (23, 11164), (24, 11143), (25, 11086), (26, 11077), (27, 11071), (28, 11062), (29, 11047), (30, 11002), (31, 10927), (32, 10894), (33, 10876), (Start: 34 @10843 has 4 MA's), (35, 10783), (36, 10780), (37, 10777), (38, 10765), (40, 10702),

Gene: Crescenzo_18 Start: 10771, Stop: 10580, Start Num: 34

Candidate Starts for Crescenzo_18:

(1, 11665), (2, 11641), (3, 11629), (4, 11605), (5, 11587), (6, 11584), (7, 11572), (9, 11539), (10, 11530), (11, 11473), (12, 11464), (14, 11410), (15, 11347), (16, 11341), (17, 11329), (18, 11221), (19, 11218), (20, 11155), (22, 11113), (23, 11092), (24, 11071), (25, 11014), (26, 11005), (27, 10999), (28, 10990), (29, 10975), (30, 10930), (31, 10855), (32, 10822), (33, 10804), (Start: 34 @10771 has 4 MA's), (35, 10711), (36, 10708), (37, 10705), (38, 10693), (40, 10630),

Gene: DarwinJr_21 Start: 12075, Stop: 11884, Start Num: 34

Candidate Starts for DarwinJr_21:

(1, 12969), (2, 12945), (3, 12933), (4, 12909), (5, 12891), (6, 12888), (7, 12876), (9, 12843), (10, 12834), (11, 12777), (12, 12768), (14, 12714), (15, 12651), (16, 12645), (17, 12633), (18, 12525), (19, 12522), (20, 12459), (22, 12417), (23, 12396), (24, 12375), (25, 12318), (26, 12309), (27, 12303), (28, 12294), (29, 12279), (30, 12234), (31, 12159), (32, 12126), (33, 12108), (Start: 34 @12075 has 4 MA's), (35, 12015), (36, 12012), (37, 12009), (38, 11997), (40, 11934),

Gene: Persistence_17 Start: 10798, Stop: 10607, Start Num: 34

Candidate Starts for Persistence_17:

(5, 11614), (6, 11611), (7, 11599), (8, 11572), (9, 11566), (10, 11557), (11, 11500), (12, 11491), (13, 11443), (14, 11437), (15, 11374), (16, 11368), (17, 11356), (19, 11245), (20, 11182), (21, 11167), (22, 11140), (23, 11119), (24, 11098), (26, 11032), (27, 11026), (28, 11017), (29, 11002), (30, 10957), (31, 10882), (32, 10849), (33, 10831), (Start: 34 @10798 has 4 MA's), (36, 10735), (37, 10732), (39, 10672), (40, 10657),

Gene: Shukran_18 Start: 10689, Stop: 10495, Start Num: 34

Candidate Starts for Shukran_18:

(Start: 34 @10689 has 4 MA's), (35, 10626), (36, 10623), (37, 10620), (40, 10545), (41, 10530),