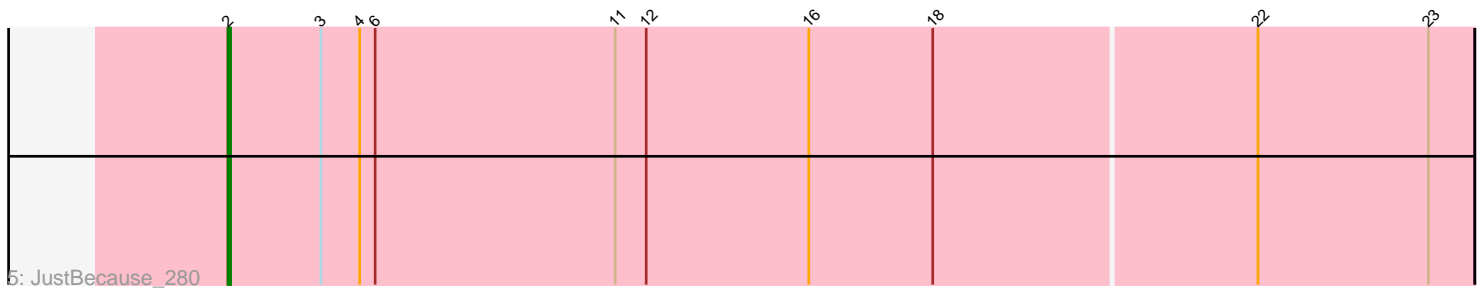
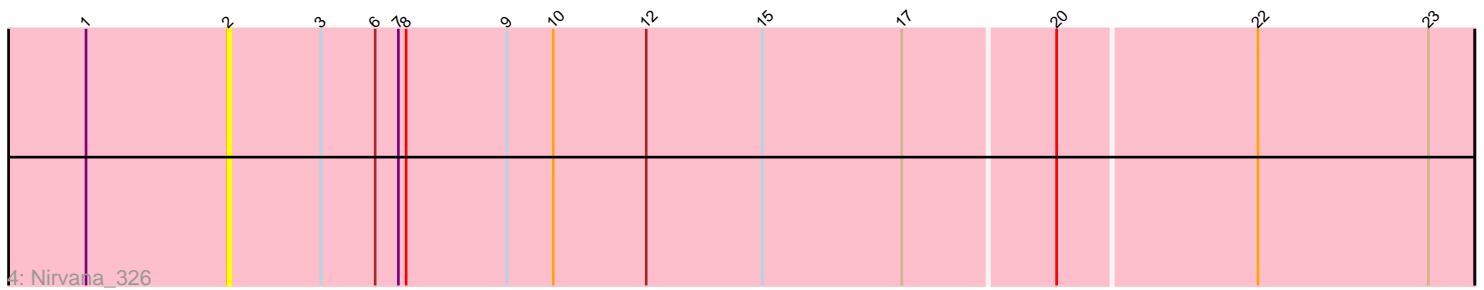
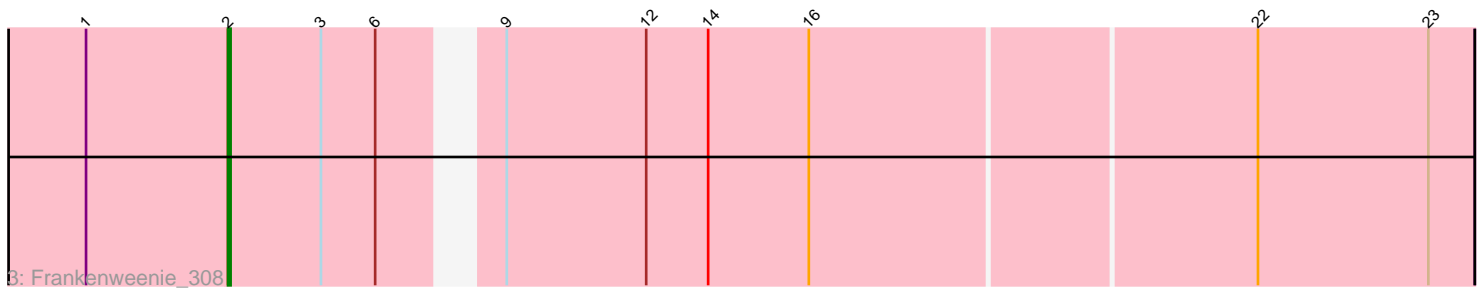
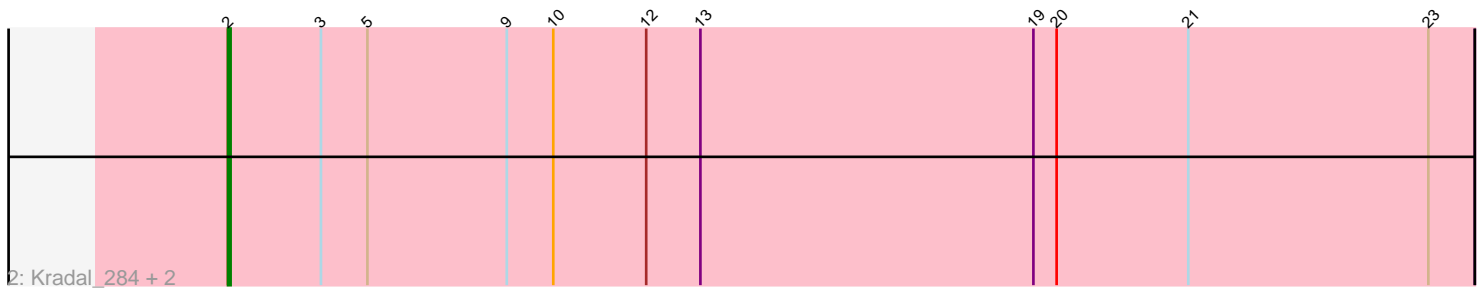
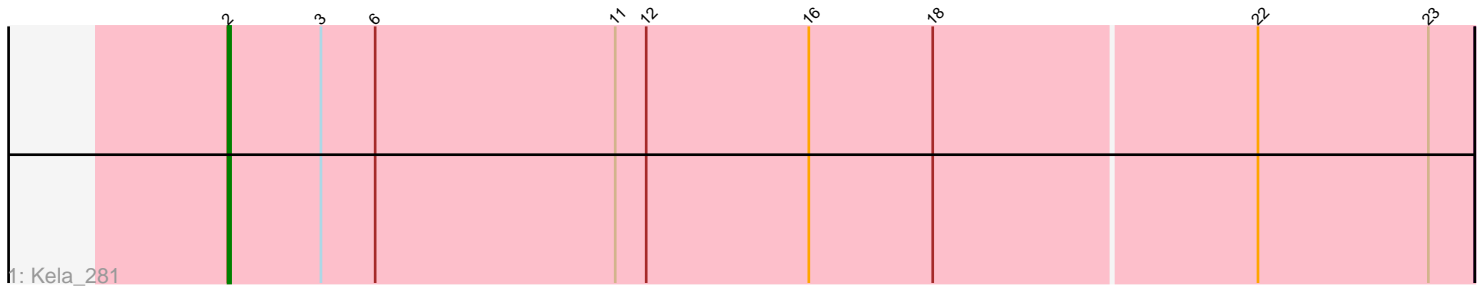


Pham 7880



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 7880 Report

This analysis was run 04/28/24 on database version 559.

Pham number 7880 has 7 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Kela_281
- Track 2 : Kradal_284, EhyElimayoE_287, Satis_284
- Track 3 : Frankenweenie_308
- Track 4 : Nirvana_326
- Track 5 : JustBecause_280

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

Genes that call this "Most Annotated" start:

- EhyElimayoE_287, Frankenweenie_308, JustBecause_280, Kela_281, Kradal_284, Nirvana_326, Satis_284,

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 7 of 7 (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: EhyElimayoE_287 (BM), Frankenweenie_308 (BM), JustBecause_280 (BM), Kela_281 (BM), Kradal_284 (BM), Nirvana_326 (BM), Satis_284 (BM),

Summary by clusters:

There is one cluster represented in this pham: BM

Info for manual annotations of cluster BM:

•Start number 2 was manually annotated 6 times for cluster BM.

Gene Information:

Gene: EhyElimayoE_287 Start: 159840, Stop: 159358, Start Num: 2

Candidate Starts for EhyElimayoE_287:

(Start: 2 @159840 has 6 MA's), (3, 159804), (5, 159786), (9, 159732), (10, 159714), (12, 159678), (13, 159657), (19, 159528), (20, 159519), (21, 159468), (23, 159375),

Gene: Frankenweenie_308 Start: 171638, Stop: 171180, Start Num: 2

Candidate Starts for Frankenweenie_308:

(1, 171692), (Start: 2 @171638 has 6 MA's), (3, 171602), (6, 171581), (9, 171548), (12, 171494), (14, 171470), (16, 171431), (22, 171263), (23, 171197),

Gene: JustBecause_280 Start: 155315, Stop: 154836, Start Num: 2

Candidate Starts for JustBecause_280:

(Start: 2 @155315 has 6 MA's), (3, 155279), (4, 155264), (6, 155258), (11, 155165), (12, 155153), (16, 155090), (18, 155042), (22, 154919), (23, 154853),

Gene: Kela_281 Start: 157345, Stop: 156866, Start Num: 2

Candidate Starts for Kela_281:

(Start: 2 @157345 has 6 MA's), (3, 157309), (6, 157288), (11, 157195), (12, 157183), (16, 157120), (18, 157072), (22, 156949), (23, 156883),

Gene: Kradal_284 Start: 159837, Stop: 159355, Start Num: 2

Candidate Starts for Kradal_284:

(Start: 2 @159837 has 6 MA's), (3, 159801), (5, 159783), (9, 159729), (10, 159711), (12, 159675), (13, 159654), (19, 159525), (20, 159516), (21, 159465), (23, 159372),

Gene: Nirvana_326 Start: 172905, Stop: 172429, Start Num: 2

Candidate Starts for Nirvana_326:

(1, 172959), (Start: 2 @172905 has 6 MA's), (3, 172869), (6, 172848), (7, 172839), (8, 172836), (9, 172797), (10, 172779), (12, 172743), (15, 172698), (17, 172644), (20, 172587), (22, 172512), (23, 172446),

Gene: Satis_284 Start: 160174, Stop: 159692, Start Num: 2

Candidate Starts for Satis_284:

(Start: 2 @160174 has 6 MA's), (3, 160138), (5, 160120), (9, 160066), (10, 160048), (12, 160012), (13, 159991), (19, 159862), (20, 159853), (21, 159802), (23, 159709),