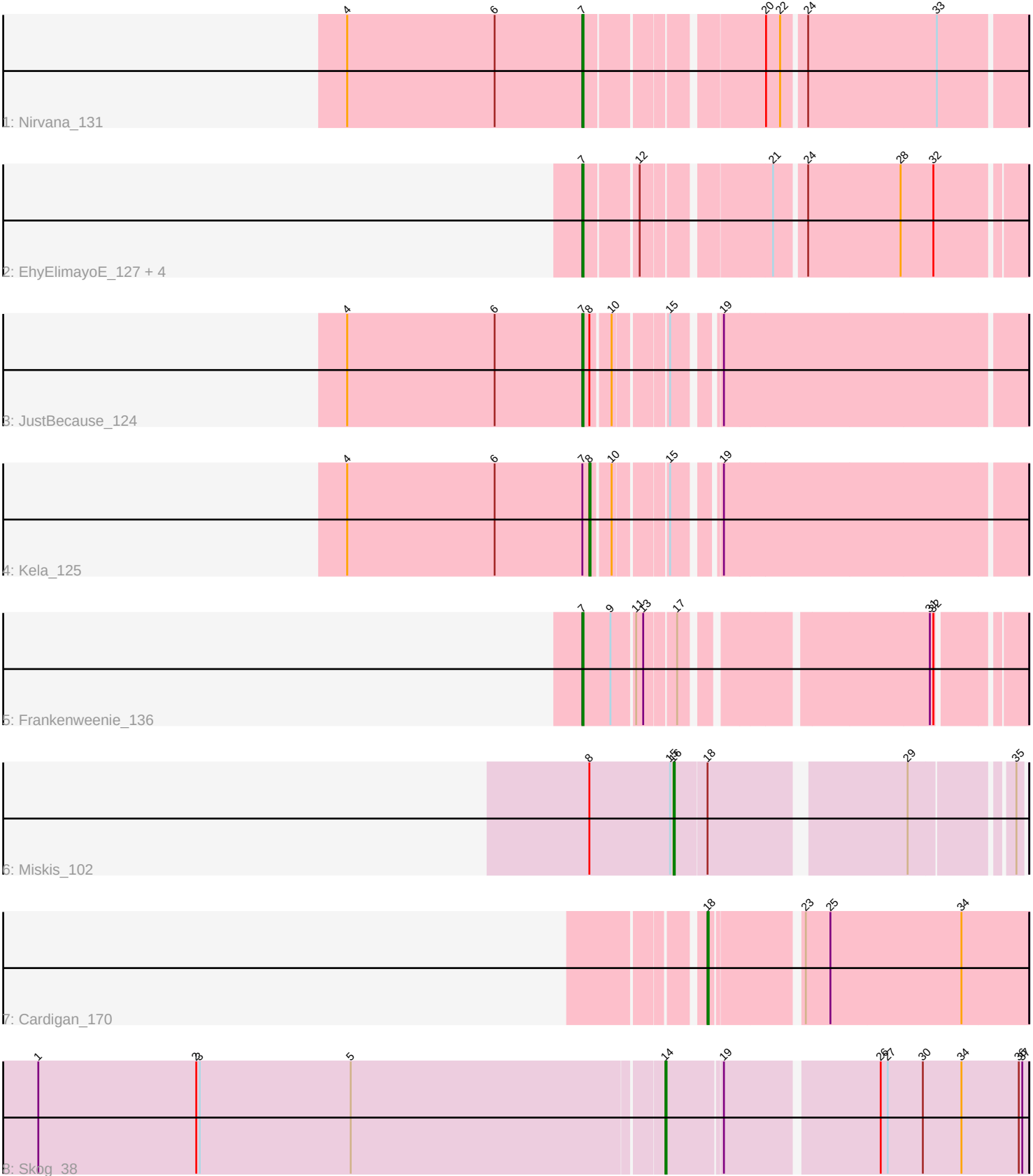


Pham 309627



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 309627 Report

This analysis was run 09/05/26 on database version 662.

Pham number 309627 has 12 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Nirvana_131
- Track 2 : EhyElimayoE_127, Kradal_126, Satis_126, Quantum_125, Sarkar_126
- Track 3 : JustBecause_124
- Track 4 : Kela_125
- Track 5 : Frankenweenie_136
- Track 6 : Miskis_102
- Track 7 : Cardigan_170
- Track 8 : Skog_38

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

The start number called the most often in the published annotations is 7, it was called in 8 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- EhyElimayoE_127, Frankenweenie_136, JustBecause_124, Kradal_126, Nirvana_131, Quantum_125, Sarkar_126, Satis_126,

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

- Kela_125,

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

- Cardigan_170, Miskis_102, Skog_38,

Summary by start number:

Start 7:

- Found in 9 of 12 (75.0%) of genes in pham
- Manual Annotations of this start: 8 of 12
- Called 88.9% of time when present
- Phage (with cluster) where this start called: EhyElimayoE_127 (BM), Frankenweenie_136 (BM), JustBecause_124 (BM), Kradal_126 (BM), Nirvana_131 (BM), Quantum_125 (BM), Sarkar_126 (BM), Satis_126 (BM),

Start 8:

- Found in 3 of 12 (25.0%) of genes in pham
- Manual Annotations of this start: 1 of 12
- Called 33.3% of time when present
- Phage (with cluster) where this start called: Kela_125 (BM),

Start 14:

- Found in 1 of 12 (8.3%) of genes in pham
- Manual Annotations of this start: 1 of 12
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Skog_38 (DO),

Start 16:

- Found in 1 of 12 (8.3%) of genes in pham
- Manual Annotations of this start: 1 of 12
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Miskis_102 (CQ1),

Start 18:

- Found in 2 of 12 (16.7%) of genes in pham
- Manual Annotations of this start: 1 of 12
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Cardigan_170 (DD),

Summary by clusters:

There are 4 clusters represented in this pham: BM, DD, CQ1, DO,

Info for manual annotations of cluster BM:

- Start number 7 was manually annotated 8 times for cluster BM.
- Start number 8 was manually annotated 1 time for cluster BM.

Info for manual annotations of cluster CQ1:

- Start number 16 was manually annotated 1 time for cluster CQ1.

Info for manual annotations of cluster DD:

- Start number 18 was manually annotated 1 time for cluster DD.

Info for manual annotations of cluster DO:

- Start number 14 was manually annotated 1 time for cluster DO.

Gene Information:

Gene: Cardigan_170 Start: 89809, Stop: 89552, Start Num: 18

Candidate Starts for Cardigan_170:

(Start: 18 @89809 has 1 MA's), (23, 89740), (25, 89719), (34, 89608),

Gene: EhyElimayoE_127 Start: 82790, Stop: 82452, Start Num: 7

Candidate Starts for EhyElimayoE_127:

(Start: 7 @82790 has 8 MA's), (12, 82748), (21, 82652), (24, 82628), (28, 82550), (32, 82523),

Gene: Frankenweenie_136 Start: 87853, Stop: 87527, Start Num: 7

Candidate Starts for Frankenweenie_136:

(Start: 7 @87853 has 8 MA's), (9, 87829), (11, 87811), (13, 87805), (17, 87781), (31, 87595), (32, 87592),

Gene: JustBecause_124 Start: 81982, Stop: 81644, Start Num: 7

Candidate Starts for JustBecause_124:

(4, 82183), (6, 82057), (Start: 7 @81982 has 8 MA's), (Start: 8 @81976 has 1 MA's), (10, 81961), (15, 81922), (19, 81892),

Gene: Kela_125 Start: 81856, Stop: 81524, Start Num: 8

Candidate Starts for Kela_125:

(4, 82063), (6, 81937), (Start: 7 @81862 has 8 MA's), (Start: 8 @81856 has 1 MA's), (10, 81841), (15, 81802), (19, 81772),

Gene: Kradal_126 Start: 82787, Stop: 82449, Start Num: 7

Candidate Starts for Kradal_126:

(Start: 7 @82787 has 8 MA's), (12, 82745), (21, 82649), (24, 82625), (28, 82547), (32, 82520),

Gene: Miskis_102 Start: 63287, Stop: 63553, Start Num: 16

Candidate Starts for Miskis_102:

(Start: 8 @63215 has 1 MA's), (15, 63284), (Start: 16 @63287 has 1 MA's), (Start: 18 @63314 has 1 MA's), (29, 63470), (35, 63548),

Gene: Nirvana_131 Start: 86259, Stop: 85918, Start Num: 7

Candidate Starts for Nirvana_131:

(4, 86460), (6, 86334), (Start: 7 @86259 has 8 MA's), (20, 86127), (22, 86115), (24, 86097), (33, 85989),

Gene: Quantum_125 Start: 82787, Stop: 82449, Start Num: 7

Candidate Starts for Quantum_125:

(Start: 7 @82787 has 8 MA's), (12, 82745), (21, 82649), (24, 82625), (28, 82547), (32, 82520),

Gene: Sarkar_126 Start: 82787, Stop: 82449, Start Num: 7

Candidate Starts for Sarkar_126:

(Start: 7 @82787 has 8 MA's), (12, 82745), (21, 82649), (24, 82625), (28, 82547), (32, 82520),

Gene: Satis_126 Start: 82783, Stop: 82445, Start Num: 7

Candidate Starts for Satis_126:

(Start: 7 @82783 has 8 MA's), (12, 82741), (21, 82645), (24, 82621), (28, 82543), (32, 82516),

Gene: Skog_38 Start: 17347, Stop: 17640, Start Num: 14

Candidate Starts for Skog_38:

(1, 16819), (2, 16954), (3, 16957), (5, 17086), (Start: 14 @17347 has 1 MA's), (19, 17392), (26, 17515), (27, 17521), (30, 17551), (34, 17584), (36, 17632), (37, 17635),