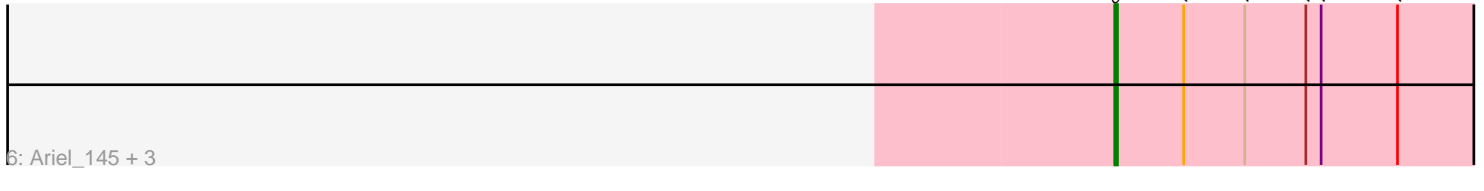
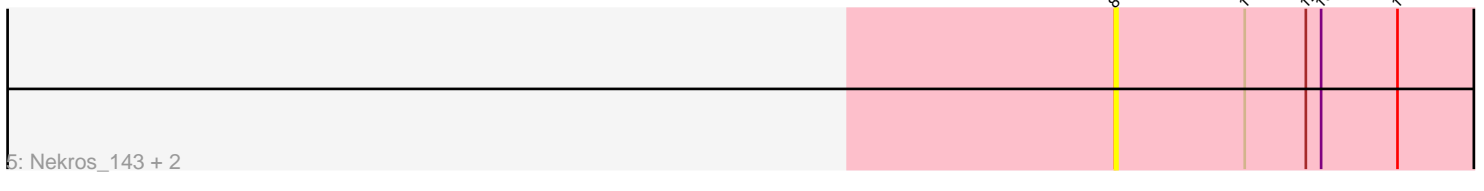
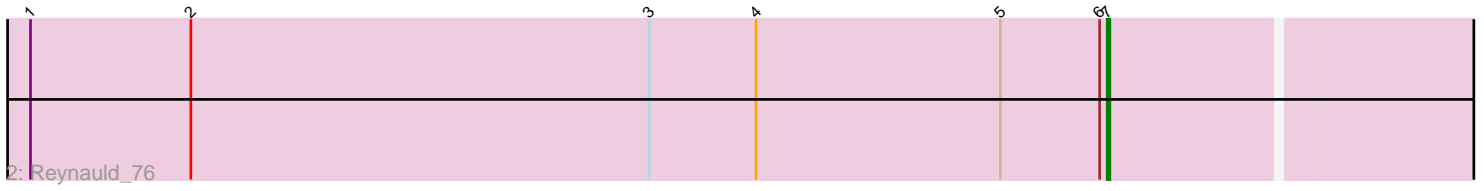
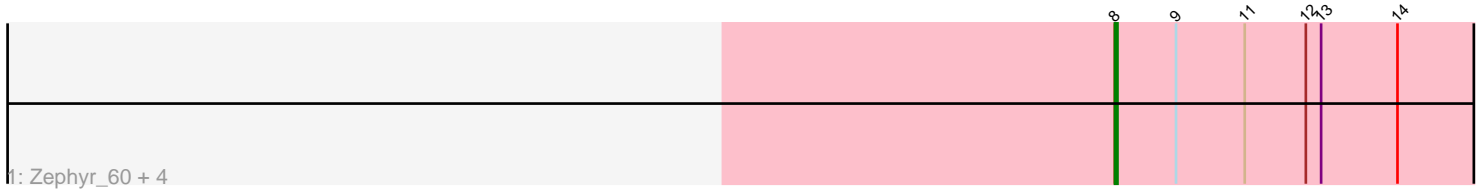


Pham 305313



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 305313 Report

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

Pham number 305313 has 22 members, 6 are drafts.

Phages represented in each track:

- Track 1 : Zephyr_60, Sibs6_61, MPlant7149_58, PinkPlastic_59, Magnito_58
- Track 2 : Reynauld_76
- Track 3 : Hidrated_134, Xiaokay_144
- Track 4 : Optimus_139, Bagrid_149, BAKA_148, EricMillard_140, Duke13_144
- Track 5 : Nekros_143, Gonephishing_139, Rearden_144
- Track 6 : Ariel_145, Courthouse_141, Hannaconda_139, Superphikiman_143
- Track 7 : Thibault_130
- Track 8 : Stellammi_128

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

The start number called the most often in the published annotations is 8, it was called in 15 of the 16 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Ariel_145, BAKA_148, Bagrid_149, Courthouse_141, Duke13_144, EricMillard_140, Gonephishing_139, Hannaconda_139, Hidrated_134, MPlant7149_58, Magnito_58, Nekros_143, Optimus_139, PinkPlastic_59, Rearden_144, Sibs6_61, Stellammi_128, Superphikiman_143, Thibault_130, Xiaokay_144, Zephyr_60,

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

-

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

- Reynauld_76,

Summary by start number:

Start 7:

- Found in 1 of 22 (4.5%) of genes in pham
- Manual Annotations of this start: 1 of 16
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Reynauld_76 (CH),

Start 8:

- Found in 21 of 22 (95.5%) of genes in pham
- Manual Annotations of this start: 15 of 16
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Ariel_145 (J), BAKA_148 (J), Bagrid_149 (J), Courthouse_141 (J), Duke13_144 (J), EricMillard_140 (J), Gonephishing_139 (J), Hannaconda_139 (J), Hidrated_134 (J), MPlant7149_58 (A1), Magnito_58 (A1), Nekros_143 (J), Optimus_139 (J), PinkPlastic_59 (A1), Rearden_144 (J), Sibs6_61 (A1), Stellammi_128 (UNK), Superphikiman_143 (J), Thibault_130 (J), Xiaokay_144 (J), Zephyr_60 (A1),

Summary by clusters:

There are 4 clusters represented in this pham: A1, UNK, CH, J,

Info for manual annotations of cluster A1:

- Start number 8 was manually annotated 5 times for cluster A1.

Info for manual annotations of cluster CH:

- Start number 7 was manually annotated 1 time for cluster CH.

Info for manual annotations of cluster J:

- Start number 8 was manually annotated 9 times for cluster J.

Info for manual annotations of cluster UNK:

- Start number 8 was manually annotated 1 time for cluster UNK.

Gene Information:

Gene: Ariel_145 Start: 73854, Stop: 74024, Start Num: 8

Candidate Starts for Ariel_145:

(Start: 8 @73854 has 15 MA's), (10, 73881), (11, 73905), (12, 73929), (13, 73935), (14, 73965),

Gene: BAKA_148 Start: 77184, Stop: 77354, Start Num: 8

Candidate Starts for BAKA_148:

(Start: 8 @77184 has 15 MA's), (9, 77208), (11, 77235), (12, 77259), (13, 77265), (14, 77295),

Gene: Bagrid_149 Start: 77879, Stop: 78049, Start Num: 8

Candidate Starts for Bagrid_149:

(Start: 8 @77879 has 15 MA's), (9, 77903), (11, 77930), (12, 77954), (13, 77960), (14, 77990),

Gene: Courthouse_141 Start: 73712, Stop: 73882, Start Num: 8

Candidate Starts for Courthouse_141:

(Start: 8 @73712 has 15 MA's), (10, 73739), (11, 73763), (12, 73787), (13, 73793), (14, 73823),

Gene: Duke13_144 Start: 75469, Stop: 75639, Start Num: 8

Candidate Starts for Duke13_144:

(Start: 8 @75469 has 15 MA's), (9, 75493), (11, 75520), (12, 75544), (13, 75550), (14, 75580),

Gene: EricMillard_140 Start: 76821, Stop: 76991, Start Num: 8

Candidate Starts for EricMillard_140:

(Start: 8 @76821 has 15 MA's), (9, 76845), (11, 76872), (12, 76896), (13, 76902), (14, 76932),

Gene: Gonephishing_139 Start: 73945, Stop: 74115, Start Num: 8

Candidate Starts for Gonephishing_139:

(Start: 8 @73945 has 15 MA's), (11, 73996), (12, 74020), (13, 74026), (14, 74056),

Gene: Hannaconda_139 Start: 74461, Stop: 74631, Start Num: 8

Candidate Starts for Hannaconda_139:

(Start: 8 @74461 has 15 MA's), (10, 74488), (11, 74512), (12, 74536), (13, 74542), (14, 74572),

Gene: Hidrated_134 Start: 77064, Stop: 77234, Start Num: 8

Candidate Starts for Hidrated_134:

(Start: 8 @77064 has 15 MA's), (10, 77091), (11, 77115), (12, 77139), (14, 77175),

Gene: MPlant7149_58 Start: 38800, Stop: 38630, Start Num: 8

Candidate Starts for MPlant7149_58:

(Start: 8 @38800 has 15 MA's), (9, 38776), (11, 38749), (12, 38725), (13, 38719), (14, 38689),

Gene: Magnito_58 Start: 39967, Stop: 39797, Start Num: 8

Candidate Starts for Magnito_58:

(Start: 8 @39967 has 15 MA's), (9, 39943), (11, 39916), (12, 39892), (13, 39886), (14, 39856),

Gene: Nekros_143 Start: 77051, Stop: 77221, Start Num: 8

Candidate Starts for Nekros_143:

(Start: 8 @77051 has 15 MA's), (11, 77102), (12, 77126), (13, 77132), (14, 77162),

Gene: Optimus_139 Start: 75143, Stop: 75313, Start Num: 8

Candidate Starts for Optimus_139:

(Start: 8 @75143 has 15 MA's), (9, 75167), (11, 75194), (12, 75218), (13, 75224), (14, 75254),

Gene: PinkPlastic_59 Start: 39832, Stop: 39662, Start Num: 8

Candidate Starts for PinkPlastic_59:

(Start: 8 @39832 has 15 MA's), (9, 39808), (11, 39781), (12, 39757), (13, 39751), (14, 39721),

Gene: Rearden_144 Start: 76460, Stop: 76630, Start Num: 8

Candidate Starts for Rearden_144:

(Start: 8 @76460 has 15 MA's), (11, 76511), (12, 76535), (13, 76541), (14, 76571),

Gene: Reynauld_76 Start: 62933, Stop: 62751, Start Num: 7

Candidate Starts for Reynauld_76:

(1, 63356), (2, 63293), (3, 63113), (4, 63071), (5, 62975), (6, 62936), (Start: 7 @62933 has 1 MA's),

Gene: Sibs6_61 Start: 38862, Stop: 38692, Start Num: 8

Candidate Starts for Sibs6_61:

(Start: 8 @38862 has 15 MA's), (9, 38838), (11, 38811), (12, 38787), (13, 38781), (14, 38751),

Gene: Stellammi_128 Start: 60941, Stop: 61135, Start Num: 8

Candidate Starts for Stellammi_128:

(Start: 8 @60941 has 15 MA's), (9, 60965),

Gene: Superphikiman_143 Start: 73994, Stop: 74164, Start Num: 8

Candidate Starts for Superphikiman_143:

(Start: 8 @73994 has 15 MA's), (10, 74021), (11, 74045), (12, 74069), (13, 74075), (14, 74105),

Gene: Thibault_130 Start: 74570, Stop: 74740, Start Num: 8

Candidate Starts for Thibault_130:

(Start: 8 @74570 has 15 MA's), (11, 74621), (12, 74645), (13, 74651), (14, 74681),

Gene: Xiaokay_144 Start: 78000, Stop: 78170, Start Num: 8

Candidate Starts for Xiaokay_144:

(Start: 8 @78000 has 15 MA's), (10, 78027), (11, 78051), (12, 78075), (14, 78111),

Gene: Zephyr_60 Start: 39858, Stop: 39688, Start Num: 8

Candidate Starts for Zephyr_60:

(Start: 8 @39858 has 15 MA's), (9, 39834), (11, 39807), (12, 39783), (13, 39777), (14, 39747),