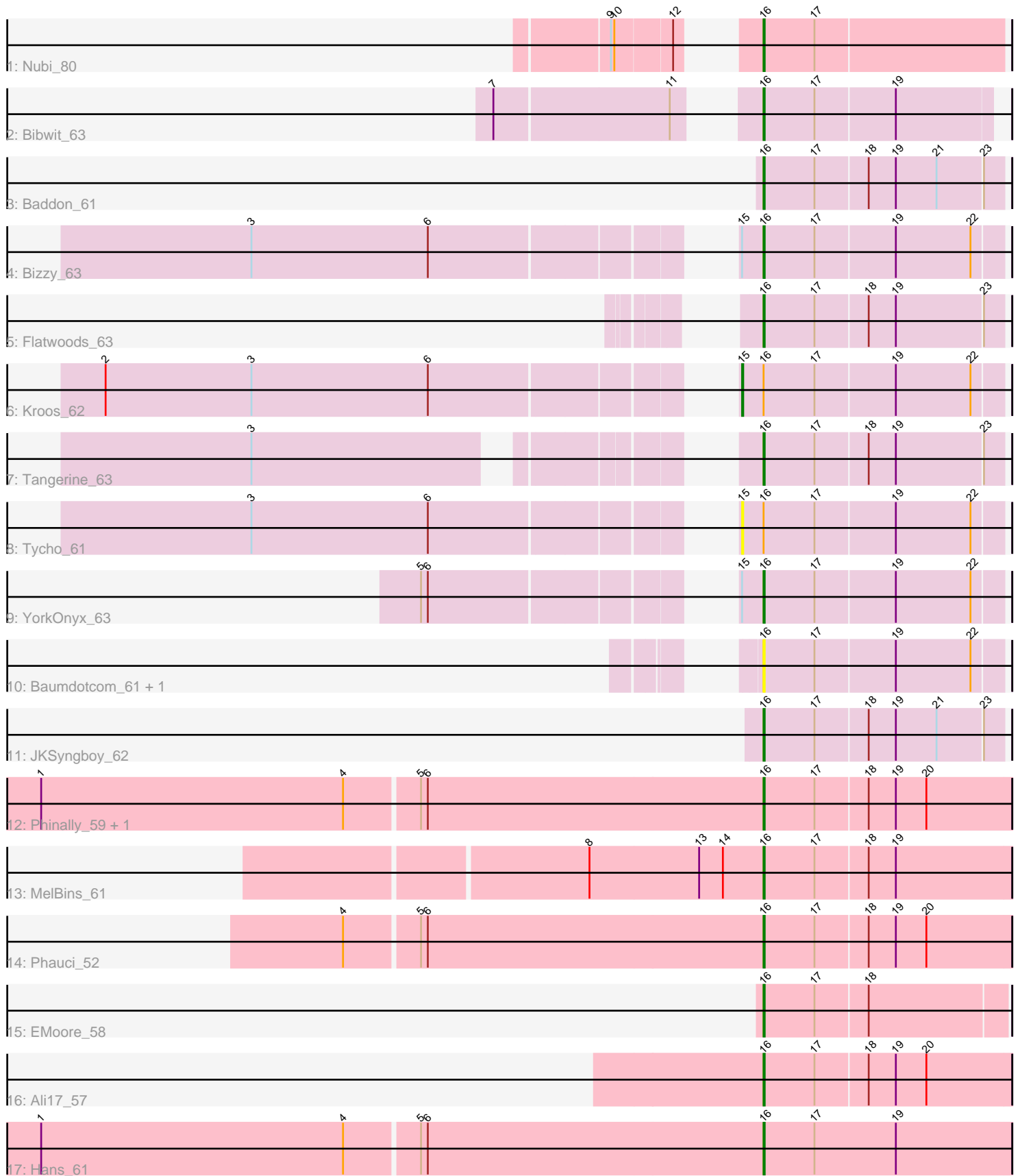


Pham 94072



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 94072 Report

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

Pham number 94072 has 19 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Nubi_80
- Track 2 : Bibwit_63
- Track 3 : Baddon_61
- Track 4 : Bizzy_63
- Track 5 : Flatwoods_63
- Track 6 : Kroos_62
- Track 7 : Tangerine_63
- Track 8 : Tycho_61
- Track 9 : YorkOnyx_63
- Track 10 : Baumdotcom_61, Kwobi_65
- Track 11 : JKSyngboy_62
- Track 12 : Phinally_59, Leonard_59
- Track 13 : MelBins_61
- Track 14 : Phauci_52
- Track 15 : EMoore_58
- Track 16 : Ali17_57
- Track 17 : Hans_61

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

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

Genes that call this "Most Annotated" start:

- Ali17_57, Baddon_61, Baumdotcom_61, Bibwit_63, Bizzy_63, EMoore_58, Flatwoods_63, Hans_61, JKSyngboy_62, Kwobi_65, Leonard_59, MelBins_61, Nubi_80, Phauci_52, Phinally_59, Tangerine_63, YorkOnyx_63,

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

- Kroos_62, Tycho_61,

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

-

Summary by start number:

Start 15:

- Found in 4 of 19 (21.1%) of genes in pham
- Manual Annotations of this start: 1 of 16
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Kroos_62 (DE1), Tycho_61 (DE1),

Start 16:

- Found in 19 of 19 (100.0%) of genes in pham
- Manual Annotations of this start: 15 of 16
- Called 89.5% of time when present
- Phage (with cluster) where this start called: Ali17_57 (DE2), Baddon_61 (DE1), Baumdotcom_61 (DE1), Bibwit_63 (DE1), Bizzy_63 (DE1), EMoore_58 (DE2), Flatwoods_63 (DE1), Hans_61 (DE2), JKSyngboy_62 (DE1), Kwobi_65 (DE1), Leonard_59 (DE2), MelBins_61 (DE2), Nubi_80 (DC1), Phauci_52 (DE2), Phinally_59 (DE2), Tangerine_63 (DE1), YorkOnyx_63 (DE1),

Summary by clusters:

There are 3 clusters represented in this pham: DE1, DE2, DC1,

Info for manual annotations of cluster DC1:

- Start number 16 was manually annotated 1 time for cluster DC1.

Info for manual annotations of cluster DE1:

- Start number 15 was manually annotated 1 time for cluster DE1.
- Start number 16 was manually annotated 7 times for cluster DE1.

Info for manual annotations of cluster DE2:

- Start number 16 was manually annotated 7 times for cluster DE2.

Gene Information:

Gene: Ali17_57 Start: 47018, Stop: 47233, Start Num: 16

Candidate Starts for Ali17_57:

(Start: 16 @47018 has 15 MA's), (17, 47063), (18, 47108), (19, 47132), (20, 47159),

Gene: Baddon_61 Start: 49615, Stop: 49821, Start Num: 16

Candidate Starts for Baddon_61:

(Start: 16 @49615 has 15 MA's), (17, 49660), (18, 49705), (19, 49729), (21, 49765), (23, 49804),

Gene: Baumdotcom_61 Start: 48916, Stop: 49122, Start Num: 16

Candidate Starts for Baumdotcom_61:

(Start: 16 @48916 has 15 MA's), (17, 48961), (19, 49030), (22, 49096),

Gene: Bibwit_63 Start: 49471, Stop: 49668, Start Num: 16

Candidate Starts for Bibwit_63:

(7, 49285), (11, 49435), (Start: 16 @49471 has 15 MA's), (17, 49516), (19, 49585),

Gene: Bizzy_63 Start: 48811, Stop: 49017, Start Num: 16

Candidate Starts for Bizzy_63:

(3, 48424), (6, 48580), (Start: 15 @48793 has 1 MA's), (Start: 16 @48811 has 15 MA's), (17, 48856), (19, 48925), (22, 48991),

Gene: EMoore_58 Start: 48525, Stop: 48734, Start Num: 16

Candidate Starts for EMoore_58:

(Start: 16 @48525 has 15 MA's), (17, 48570), (18, 48615),

Gene: Flatwoods_63 Start: 48489, Stop: 48695, Start Num: 16

Candidate Starts for Flatwoods_63:

(Start: 16 @48489 has 15 MA's), (17, 48534), (18, 48579), (19, 48603), (23, 48678),

Gene: Hans_61 Start: 47742, Stop: 47960, Start Num: 16

Candidate Starts for Hans_61:

(1, 47208), (4, 47475), (5, 47538), (6, 47544), (Start: 16 @47742 has 15 MA's), (17, 47787), (19, 47859),

Gene: JKSyngboy_62 Start: 49841, Stop: 50047, Start Num: 16

Candidate Starts for JKSyngboy_62:

(Start: 16 @49841 has 15 MA's), (17, 49886), (18, 49931), (19, 49955), (21, 49991), (23, 50030),

Gene: Kroos_62 Start: 49360, Stop: 49584, Start Num: 15

Candidate Starts for Kroos_62:

(2, 48862), (3, 48991), (6, 49147), (Start: 15 @49360 has 1 MA's), (Start: 16 @49378 has 15 MA's), (17, 49423), (19, 49492), (22, 49558),

Gene: Kwobi_65 Start: 49987, Stop: 50193, Start Num: 16

Candidate Starts for Kwobi_65:

(Start: 16 @49987 has 15 MA's), (17, 50032), (19, 50101), (22, 50167),

Gene: Leonard_59 Start: 47944, Stop: 48159, Start Num: 16

Candidate Starts for Leonard_59:

(1, 47410), (4, 47677), (5, 47740), (6, 47746), (Start: 16 @47944 has 15 MA's), (17, 47989), (18, 48034), (19, 48058), (20, 48085),

Gene: MelBins_61 Start: 48205, Stop: 48420, Start Num: 16

Candidate Starts for MelBins_61:

(8, 48052), (13, 48148), (14, 48169), (Start: 16 @48205 has 15 MA's), (17, 48250), (18, 48295), (19, 48319),

Gene: Nubi_80 Start: 52419, Stop: 52628, Start Num: 16

Candidate Starts for Nubi_80:

(9, 52338), (10, 52341), (12, 52389), (Start: 16 @52419 has 15 MA's), (17, 52464),

Gene: Phauci_52 Start: 44793, Stop: 45008, Start Num: 16

Candidate Starts for Phauci_52:

(4, 44526), (5, 44589), (6, 44595), (Start: 16 @44793 has 15 MA's), (17, 44838), (18, 44883), (19, 44907), (20, 44934),

Gene: Phinally_59 Start: 47941, Stop: 48156, Start Num: 16

Candidate Starts for Phinally_59:

(1, 47407), (4, 47674), (5, 47737), (6, 47743), (Start: 16 @47941 has 15 MA's), (17, 47986), (18, 48031), (19, 48055), (20, 48082),

Gene: Tangerine_63 Start: 48997, Stop: 49203, Start Num: 16

Candidate Starts for Tangerine_63:

(3, 48643), (Start: 16 @48997 has 15 MA's), (17, 49042), (18, 49087), (19, 49111), (23, 49186),

Gene: Tycho_61 Start: 48782, Stop: 49006, Start Num: 15

Candidate Starts for Tycho_61:

(3, 48413), (6, 48569), (Start: 15 @48782 has 1 MA's), (Start: 16 @48800 has 15 MA's), (17, 48845),
(19, 48914), (22, 48980),

Gene: YorkOnyx_63 Start: 48830, Stop: 49036, Start Num: 16

Candidate Starts for YorkOnyx_63:

(5, 48593), (6, 48599), (Start: 15 @48812 has 1 MA's), (Start: 16 @48830 has 15 MA's), (17, 48875),
(19, 48944), (22, 49010),