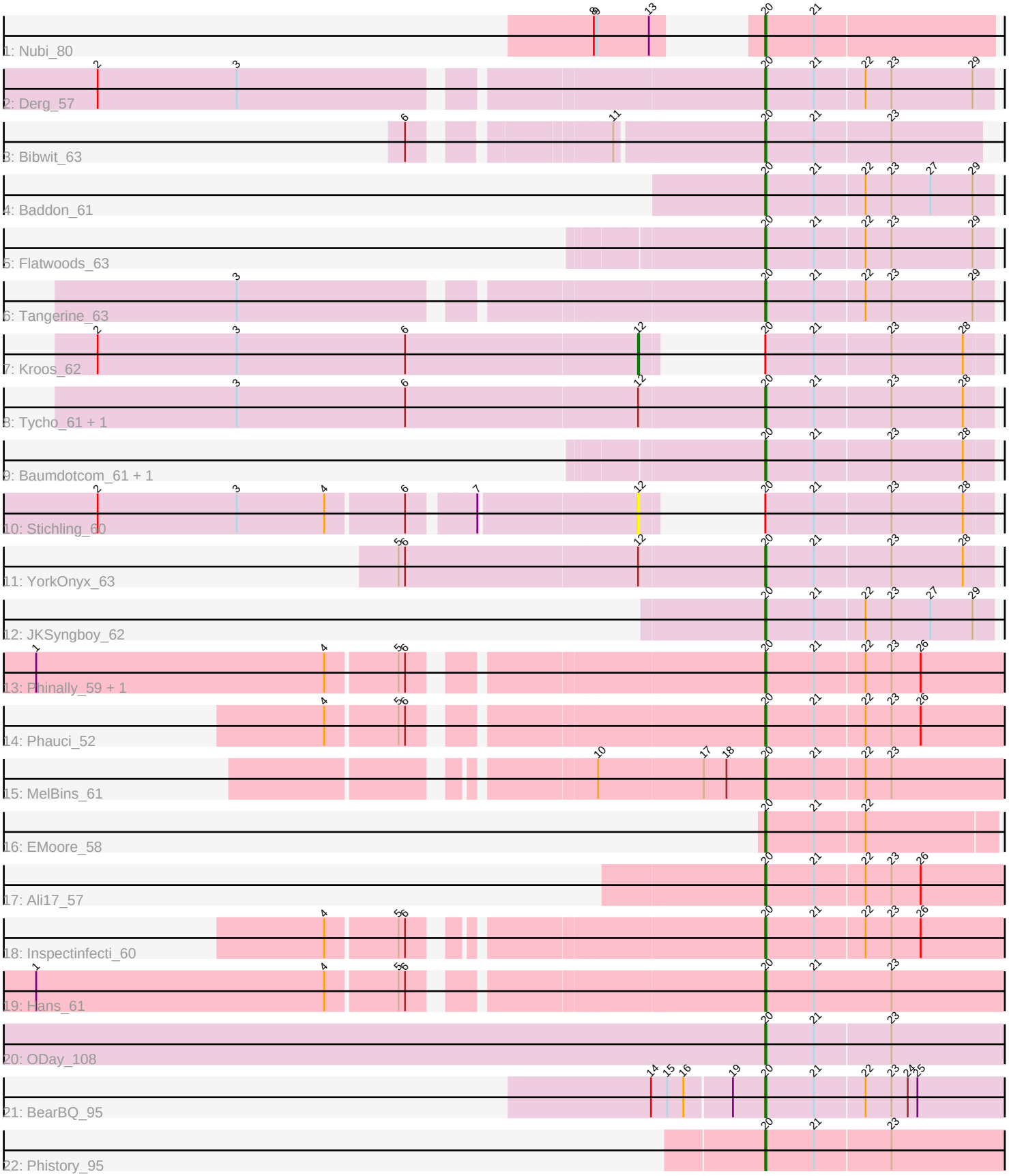
Pham 347964


1: Nubi_80
2: Derg_57
3: Bibwit_63
4: Baddon_61
5: Flatwoods_63
6: Tangerine_63
7: Kroos_62
8: Tycho_61 + 1
9: Baumdotcom_61 + 1
10: Stichling_60
11: YorkOnyx_63
12: JKSyngboy_62
13: Phinally_59 + 1
14: Phauci_52
15: MelBins_61
16: EMoore_58
17: Ali17_57
18: Inspectinfecti_60
19: Hans_61
20: ODay_108
21: BearBQ_95
22: Phistory_95

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 347964 Report

This analysis was run 11/14/26 on database version 672.

Pham number 347964 has 25 members, 1 are drafts.

Phages represented in each track:
- Track 1 : Nubi_80
- Track 2 : Derg_57
- Track 3 : Bibwit_63
- Track 4 : Baddon_61
- Track 5 : Flatwoods_63
- Track 6 : Tangerine_63
- Track 7 : Kroos_62
- Track 8 : Tycho_61, Bizzy_63
- Track 9 : Baumdotcom_61, Kwobi_66
- Track 10 : Stichling_60
- Track 11 : YorkOnyx_63
- Track 12 : JKSyngboy_62
- Track 13 : Phinally_59, Leonard_59
- Track 14 : Phauci_52
- Track 15 : MelBins_61
- Track 16 : EMoore_58
- Track 17 : Ali17_57
- Track 18 : Inspectinfecti_60
- Track 19 : Hans_61
- Track 20 : ODay_108
- Track 21 : BearBQ_95
- Track 22 : Phistory_95

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

The start number called the most often in the published annotations is 20, it was called in 23 of the 24 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
- Ali17_57, Baddon_61, Baumdotcom_61, BearBQ_95, Bibwit_63, Bizzy_63, Derg_57, EMoore_58, Flatwoods_63, Hans_61, Inspectinfecti_60, JKSyngboy_62, Kwobi_66, Leonard_59, MelBins_61, Nubi_80, ODay_108, Phauci_52, Phinally_59, Phistory_95, Tangerine_63, Tycho_61, YorkOnyx_63,

Genes that have the "Most Annotated" start but do not call it:
• Kroos_62, Stichling_60,

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

Summary by start number:

Start 12:
• Found in 5 of 25 (20.0%) of genes in pham
• Manual Annotations of this start: 1 of 24
• Called 40.0% of time when present
• Phage (with cluster) where this start called: Kroos_62 (DE1), Stichling_60 (DE1),

Start 20:
• Found in 25 of 25 (100.0%) of genes in pham
• Manual Annotations of this start: 23 of 24
• Called 92.0% of time when present
• Phage (with cluster) where this start called: Ali17_57 (DE2), Baddon_61 (DE1), Baumdotcom_61 (DE1), BearBQ_95 (DN), Bibwit_63 (DE1), Bizzy_63 (DE1), Derg_57 (DE1), EMoore_58 (DE2), Flatwoods_63 (DE1), Hans_61 (DE2), Inspectinfecti_60 (DE2), JKSyngboy_62 (DE1), Kwobi_66 (DE1), Leonard_59 (DE2), MelBins_61 (DE2), Nubi_80 (DC1), ODay_108 (DN), Phauci_52 (DE2), Phinally_59 (DE2), Phistory_95 (DN1), Tangerine_63 (DE1), Tycho_61 (DE1), YorkOnyx_63 (DE1),

Summary by clusters:

There are 5 clusters represented in this pham: DN, DE1, DE2, DN1, DC1,

Info for manual annotations of cluster DC1:
•Start number 20 was manually annotated 1 time for cluster DC1.

Info for manual annotations of cluster DE1:
•Start number 12 was manually annotated 1 time for cluster DE1.
•Start number 20 was manually annotated 11 times for cluster DE1.

Info for manual annotations of cluster DE2:
•Start number 20 was manually annotated 8 times for cluster DE2.

Info for manual annotations of cluster DN:
•Start number 20 was manually annotated 2 times for cluster DN.

Info for manual annotations of cluster DN1:
•Start number 20 was manually annotated 1 time for cluster DN1.

Gene Information:

Gene: Ali17_57 Start: 47018, Stop: 47233, Start Num: 20
Candidate Starts for Ali17_57:
(Start: 20 @47018 has 23 MA's), (21, 47063), (22, 47108), (23, 47132), (26, 47159),

Gene: Baddon_61 Start: 49615, Stop: 49821, Start Num: 20
Candidate Starts for Baddon_61:
(Start: 20 @49615 has 23 MA's), (21, 49660), (22, 49705), (23, 49729), (27, 49765), (29, 49804),

Gene: Baumdotcom_61 Start: 48916, Stop: 49122, Start Num: 20
Candidate Starts for Baumdotcom_61:
(Start: 20 @48916 has 23 MA's), (21, 48961), (23, 49030), (28, 49096),

Gene: BearBQ_95 Start: 52472, Stop: 52699, Start Num: 20
Candidate Starts for BearBQ_95:
(14, 52370), (15, 52385), (16, 52400), (19, 52442), (Start: 20 @52472 has 23 MA's), (21, 52517), (22, 52562), (23, 52586), (24, 52601), (25, 52610),

Gene: Bibwit_63 Start: 49471, Stop: 49668, Start Num: 20
Candidate Starts for Bibwit_63:
(6, 49285), (11, 49435), (Start: 20 @49471 has 23 MA's), (21, 49516), (23, 49585),

Gene: Bizzy_63 Start: 48811, Stop: 49017, Start Num: 20
Candidate Starts for Bizzy_63:
(3, 48424), (6, 48580), (Start: 12 @48793 has 1 MA's), (Start: 20 @48811 has 23 MA's), (21, 48856), (23, 48925), (28, 48991),

Gene: Derg_57 Start: 47608, Stop: 47814, Start Num: 20
Candidate Starts for Derg_57:
(2, 47125), (3, 47254), (Start: 20 @47608 has 23 MA's), (21, 47653), (22, 47698), (23, 47722), (29, 47797),

Gene: EMoore_58 Start: 48525, Stop: 48734, Start Num: 20
Candidate Starts for EMoore_58:
(Start: 20 @48525 has 23 MA's), (21, 48570), (22, 48615),

Gene: Flatwoods_63 Start: 48489, Stop: 48695, Start Num: 20
Candidate Starts for Flatwoods_63:
(Start: 20 @48489 has 23 MA's), (21, 48534), (22, 48579), (23, 48603), (29, 48678),

Gene: Hans_61 Start: 47742, Stop: 47960, Start Num: 20
Candidate Starts for Hans_61:
(1, 47208), (4, 47475), (5, 47538), (6, 47544), (Start: 20 @47742 has 23 MA's), (21, 47787), (23, 47859),

Gene: Inspectinfecti_60 Start: 47867, Stop: 48082, Start Num: 20
Candidate Starts for Inspectinfecti_60:
(4, 47606), (5, 47669), (6, 47675), (Start: 20 @47867 has 23 MA's), (21, 47912), (22, 47957), (23, 47981), (26, 48008),

Gene: JKSyngboy_62 Start: 49841, Stop: 50047, Start Num: 20
Candidate Starts for JKSyngboy_62:
(Start: 20 @49841 has 23 MA's), (21, 49886), (22, 49931), (23, 49955), (27, 49991), (29, 50030),

Gene: Kroos_62 Start: 49360, Stop: 49584, Start Num: 12
Candidate Starts for Kroos_62:

(2, 48862), (3, 48991), (6, 49147), (Start: 12 @49360 has 1 MA's), (Start: 20 @49378 has 23 MA's), (21, 49423), (23, 49492), (28, 49558),

Gene: Kwobi_66 Start: 49987, Stop: 50193, Start Num: 20
Candidate Starts for Kwobi_66:
(Start: 20 @49987 has 23 MA's), (21, 50032), (23, 50101), (28, 50167),

Gene: Leonard_59 Start: 47944, Stop: 48159, Start Num: 20
Candidate Starts for Leonard_59:
(1, 47410), (4, 47677), (5, 47740), (6, 47746), (Start: 20 @47944 has 23 MA's), (21, 47989), (22, 48034), (23, 48058), (26, 48085),

Gene: MelBins_61 Start: 48205, Stop: 48420, Start Num: 20
Candidate Starts for MelBins_61:
(10, 48052), (17, 48148), (18, 48169), (Start: 20 @48205 has 23 MA's), (21, 48250), (22, 48295), (23, 48319),

Gene: Nubi_80 Start: 52419, Stop: 52628, Start Num: 20
Candidate Starts for Nubi_80:
(8, 52338), (9, 52341), (13, 52389), (Start: 20 @52419 has 23 MA's), (21, 52464),

Gene: ODay_108 Start: 55478, Stop: 55705, Start Num: 20
Candidate Starts for ODay_108:
(Start: 20 @55478 has 23 MA's), (21, 55523), (23, 55592),

Gene: Phauci_52 Start: 44793, Stop: 45008, Start Num: 20
Candidate Starts for Phauci_52:
(4, 44526), (5, 44589), (6, 44595), (Start: 20 @44793 has 23 MA's), (21, 44838), (22, 44883), (23, 44907), (26, 44934),

Gene: Phinally_59 Start: 47941, Stop: 48156, Start Num: 20
Candidate Starts for Phinally_59:
(1, 47407), (4, 47674), (5, 47737), (6, 47743), (Start: 20 @47941 has 23 MA's), (21, 47986), (22, 48031), (23, 48055), (26, 48082),

Gene: Phistory_95 Start: 49991, Stop: 50218, Start Num: 20
Candidate Starts for Phistory_95:
(Start: 20 @49991 has 23 MA's), (21, 50036), (23, 50105),

Gene: Stichling_60 Start: 48646, Stop: 48870, Start Num: 12
Candidate Starts for Stichling_60:
(2, 48172), (3, 48301), (4, 48382), (6, 48451), (7, 48505), (Start: 12 @48646 has 1 MA's), (Start: 20 @48664 has 23 MA's), (21, 48709), (23, 48778), (28, 48844),

Gene: Tangerine_63 Start: 48997, Stop: 49203, Start Num: 20
Candidate Starts for Tangerine_63:
(3, 48643), (Start: 20 @48997 has 23 MA's), (21, 49042), (22, 49087), (23, 49111), (29, 49186),

Gene: Tycho_61 Start: 48800, Stop: 49006, Start Num: 20
Candidate Starts for Tycho_61:
(3, 48413), (6, 48569), (Start: 12 @48782 has 1 MA's), (Start: 20 @48800 has 23 MA's), (21, 48845), (23, 48914), (28, 48980),

Gene: YorkOnyx_63 Start: 48830, Stop: 49036, Start Num: 20
Candidate Starts for YorkOnyx_63:
(5, 48593), (6, 48599), (Start: 12 @48812 has 1 MA's), (Start: 20 @48830 has 23 MA's), (21, 48875), (23, 48944), (28, 49010),