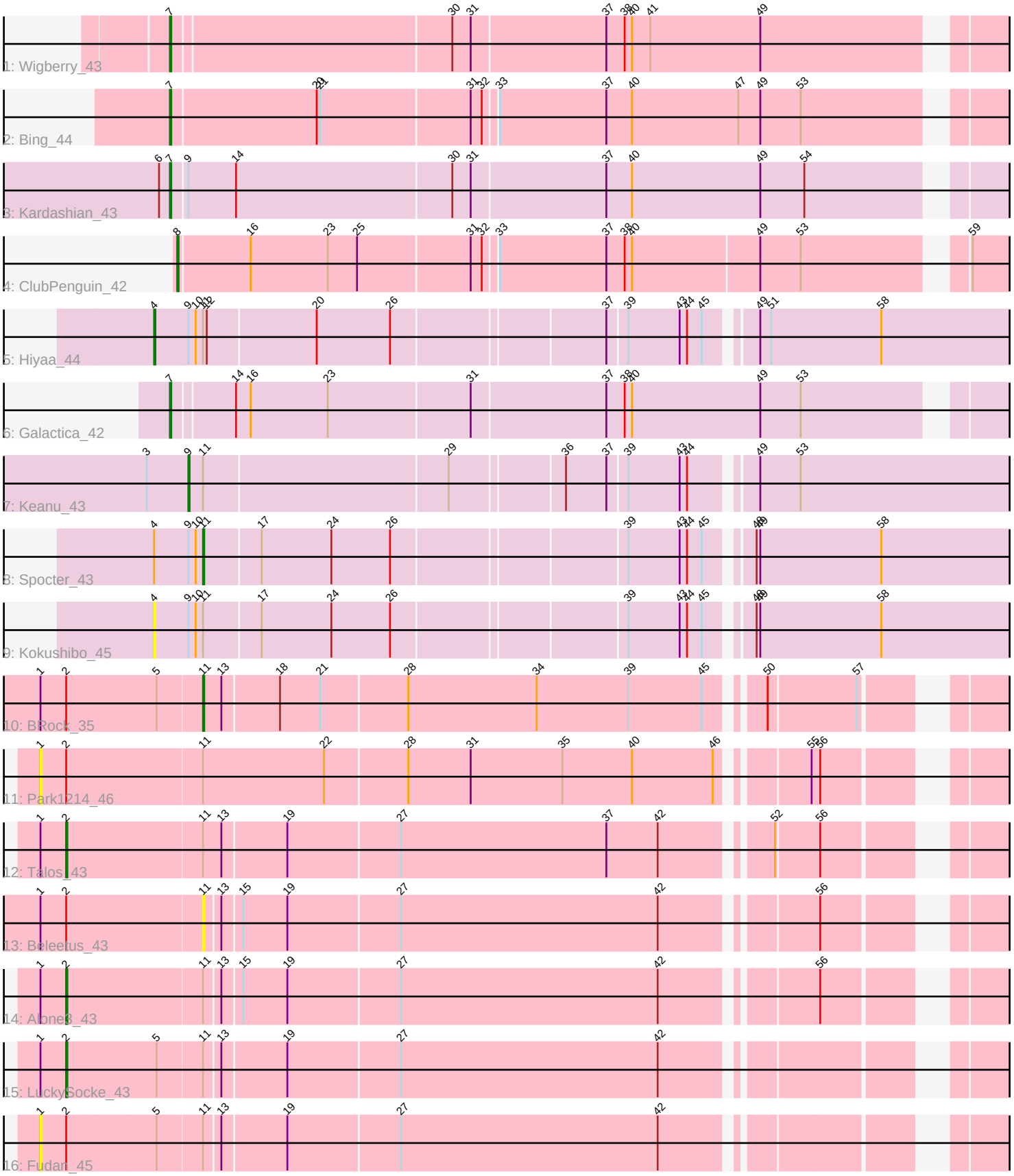
Pham 297049


1: Wigberry_43
2: Bing_44
3: Kardashian_43
4: ClubPenguin_42
5: Hiyaa_44
6: Galactica_42
7: Keanu_43
8: Spocter_43
9: Kokushibo_45
10: BRock_35
11: Park1214_46
12: Talos_43
13: Beleerus_43
14: Albne3_43
15: LuckySocke_43
16: Fudan_45

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 297049 Report

This analysis was run 04/25/26 on database version 644.

Pham number 297049 has 16 members, 4 are drafts.

Phages represented in each track:
• Track 1 : Wigberry_43
• Track 2 : Bing_44
• Track 3 : Kardashian_43
• Track 4 : ClubPenguin_42
• Track 5 : Hiyaa_44
• Track 6 : Galactica_42
• Track 7 : Keanu_43
• Track 8 : Spocter_43
• Track 9 : Kokushibo_45
• Track 10 : BRock_35
• Track 11 : Park1214_46
• Track 12 : Talos_43
• Track 13 : Beleetus_43
• Track 14 : Alone3_43
• Track 15 : LuckySocke_43
• Track 16 : Fudan_45

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 4 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Bing_44, Galactica_42, Kardashian_43, Wigberry_43,

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

Genes that do not have the "Most Annotated" start:
• Alone3_43, BRock_35, Beleetus_43, ClubPenguin_42, Fudan_45, Hiyaa_44, Keanu_43, Kokushibo_45, LuckySocke_43, Park1214_46, Spocter_43, Talos_43,

Summary by start number:

Start 1:
• Found in 7 of 16 (43.8%) of genes in pham
• No Manual Annotations of this start.
• Called 28.6% of time when present
• Phage (with cluster) where this start called: Fudan_45 (BS), Park1214_46 (BS),

Start 2:
• Found in 7 of 16 (43.8%) of genes in pham
• Manual Annotations of this start: 3 of 12
• Called 42.9% of time when present
• Phage (with cluster) where this start called: Alone3_43 (BS), LuckySocke_43 (BS), Talos_43 (BS),

Start 4:
• Found in 3 of 16 (18.8%) of genes in pham
• Manual Annotations of this start: 1 of 12
• Called 66.7% of time when present
• Phage (with cluster) where this start called: Hiyaa_44 (BQ), Kokushibo_45 (BQ),

Start 7:
• Found in 4 of 16 (25.0%) of genes in pham
• Manual Annotations of this start: 4 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Bing_44 (BI5), Galactica_42 (BQ), Kardashian_43 (BI6), Wigberry_43 (BI5),

Start 8:
• Found in 1 of 16 (6.2%) 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: ClubPenguin_42 (BI7),

Start 9:
• Found in 5 of 16 (31.2%) of genes in pham
• Manual Annotations of this start: 1 of 12
• Called 20.0% of time when present
• Phage (with cluster) where this start called: Keanu_43 (BQ),

Start 11:
• Found in 11 of 16 (68.8%) of genes in pham
• Manual Annotations of this start: 2 of 12
• Called 27.3% of time when present
• Phage (with cluster) where this start called: BRock_35 (BS), Beleetus_43 (BS), Spocter_43 (BQ),

Summary by clusters:

There are 5 clusters represented in this pham: BI6, BI7, BI5, BQ, BS,

Info for manual annotations of cluster BI5:
•Start number 7 was manually annotated 2 times for cluster BI5.

Info for manual annotations of cluster BI6:

•Start number 7 was manually annotated 1 time for cluster BI6.

Info for manual annotations of cluster BI7:
•Start number 8 was manually annotated 1 time for cluster BI7.

Info for manual annotations of cluster BQ:
•Start number 4 was manually annotated 1 time for cluster BQ.
•Start number 7 was manually annotated 1 time for cluster BQ.
•Start number 9 was manually annotated 1 time for cluster BQ.
•Start number 11 was manually annotated 1 time for cluster BQ.

Info for manual annotations of cluster BS:
•Start number 2 was manually annotated 3 times for cluster BS.
•Start number 11 was manually annotated 1 time for cluster BS.

Gene Information:

Gene: Alone3_43 Start: 15416, Stop: 16123, Start Num: 2
Candidate Starts for Alone3_43:
(1, 15395), (Start: 2 @15416 has 3 MA's), (Start: 11 @15524 has 2 MA's), (13, 15536), (15, 15551), (19, 15587), (27, 15677), (42, 15887), (56, 15998),

Gene: BRock_35 Start: 12948, Stop: 13547, Start Num: 11
Candidate Starts for BRock_35:
(1, 12819), (Start: 2 @12840 has 3 MA's), (5, 12912), (Start: 11 @12948 has 2 MA's), (13, 12963), (18, 13008), (21, 13041), (28, 13110), (34, 13215), (39, 13290), (45, 13350), (50, 13386), (57, 13455),

Gene: Beleetus_43 Start: 15395, Stop: 15994, Start Num: 11
Candidate Starts for Beleetus_43:
(1, 15266), (Start: 2 @15287 has 3 MA's), (Start: 11 @15395 has 2 MA's), (13, 15407), (15, 15422), (19, 15458), (27, 15548), (42, 15758), (56, 15869),

Gene: Bing_44 Start: 29532, Stop: 30185, Start Num: 7
Candidate Starts for Bing_44:
(Start: 7 @29532 has 4 MA's), (20, 29649), (21, 29652), (31, 29772), (32, 29781), (33, 29790), (37, 29877), (40, 29898), (47, 29985), (49, 30003), (53, 30036),

Gene: ClubPenguin_42 Start: 28804, Stop: 29448, Start Num: 8
Candidate Starts for ClubPenguin_42:
(Start: 8 @28804 has 1 MA's), (16, 28861), (23, 28924), (25, 28948), (31, 29038), (32, 29047), (33, 29056), (37, 29143), (38, 29158), (40, 29164), (49, 29266), (53, 29299), (59, 29413),

Gene: Fudan_45 Start: 15264, Stop: 15989, Start Num: 1
Candidate Starts for Fudan_45:
(1, 15264), (Start: 2 @15285 has 3 MA's), (5, 15357), (Start: 11 @15393 has 2 MA's), (13, 15405), (19, 15456), (27, 15546), (42, 15756),

Gene: Galactica_42 Start: 30036, Stop: 30689, Start Num: 7
Candidate Starts for Galactica_42:
(Start: 7 @30036 has 4 MA's), (14, 30084), (16, 30096), (23, 30159), (31, 30273), (37, 30381), (38, 30396), (40, 30402), (49, 30507), (53, 30540),

Gene: Hiyaa_44 Start: 31405, Stop: 32076, Start Num: 4
Candidate Starts for Hiyaa_44:
(Start: 4 @31405 has 1 MA's), (Start: 9 @31432 has 1 MA's), (10, 31438), (Start: 11 @31444 has 2 MA's), (12, 31447), (20, 31534), (26, 31594), (37, 31759), (39, 31774), (43, 31816), (44, 31822), (45, 31834), (49, 31867), (51, 31876), (58, 31966),

Gene: Kardashian_43 Start: 30111, Stop: 30767, Start Num: 7
Candidate Starts for Kardashian_43:
(6, 30102), (Start: 7 @30111 has 4 MA's), (Start: 9 @30123 has 1 MA's), (14, 30162), (30, 30336), (31, 30351), (37, 30459), (40, 30480), (49, 30585), (54, 30621),

Gene: Keanu_43 Start: 31141, Stop: 31785, Start Num: 9
Candidate Starts for Keanu_43:
(3, 31108), (Start: 9 @31141 has 1 MA's), (Start: 11 @31153 has 2 MA's), (29, 31348), (36, 31435), (37, 31468), (39, 31483), (43, 31525), (44, 31531), (49, 31576), (53, 31609),

Gene: Kokushibo_45 Start: 31355, Stop: 32026, Start Num: 4
Candidate Starts for Kokushibo_45:
(Start: 4 @31355 has 1 MA's), (Start: 9 @31382 has 1 MA's), (10, 31388), (Start: 11 @31394 has 2 MA's), (17, 31439), (24, 31496), (26, 31544), (39, 31724), (43, 31766), (44, 31772), (45, 31784), (48, 31814), (49, 31817), (58, 31916),

Gene: LuckySocke_43 Start: 15234, Stop: 15938, Start Num: 2
Candidate Starts for LuckySocke_43:
(1, 15213), (Start: 2 @15234 has 3 MA's), (5, 15306), (Start: 11 @15342 has 2 MA's), (13, 15354), (19, 15405), (27, 15495), (42, 15705),

Gene: Park1214_46 Start: 15477, Stop: 16208, Start Num: 1
Candidate Starts for Park1214_46:
(1, 15477), (Start: 2 @15498 has 3 MA's), (Start: 11 @15606 has 2 MA's), (22, 15705), (28, 15771), (31, 15822), (35, 15897), (40, 15954), (46, 16020), (55, 16080), (56, 16086),

Gene: Spocter_43 Start: 31367, Stop: 31999, Start Num: 11
Candidate Starts for Spocter_43:
(Start: 4 @31328 has 1 MA's), (Start: 9 @31355 has 1 MA's), (10, 31361), (Start: 11 @31367 has 2 MA's), (17, 31412), (24, 31469), (26, 31517), (39, 31697), (43, 31739), (44, 31745), (45, 31757), (48, 31787), (49, 31790), (58, 31889),

Gene: Talos_43 Start: 15366, Stop: 16073, Start Num: 2
Candidate Starts for Talos_43:
(1, 15345), (Start: 2 @15366 has 3 MA's), (Start: 11 @15474 has 2 MA's), (13, 15489), (19, 15540), (27, 15630), (37, 15798), (42, 15840), (52, 15918), (56, 15951),

Gene: Wigberry_43 Start: 29103, Stop: 29756, Start Num: 7
Candidate Starts for Wigberry_43:
(Start: 7 @29103 has 4 MA's), (30, 29325), (31, 29340), (37, 29448), (38, 29463), (40, 29469), (41, 29484), (49, 29574),