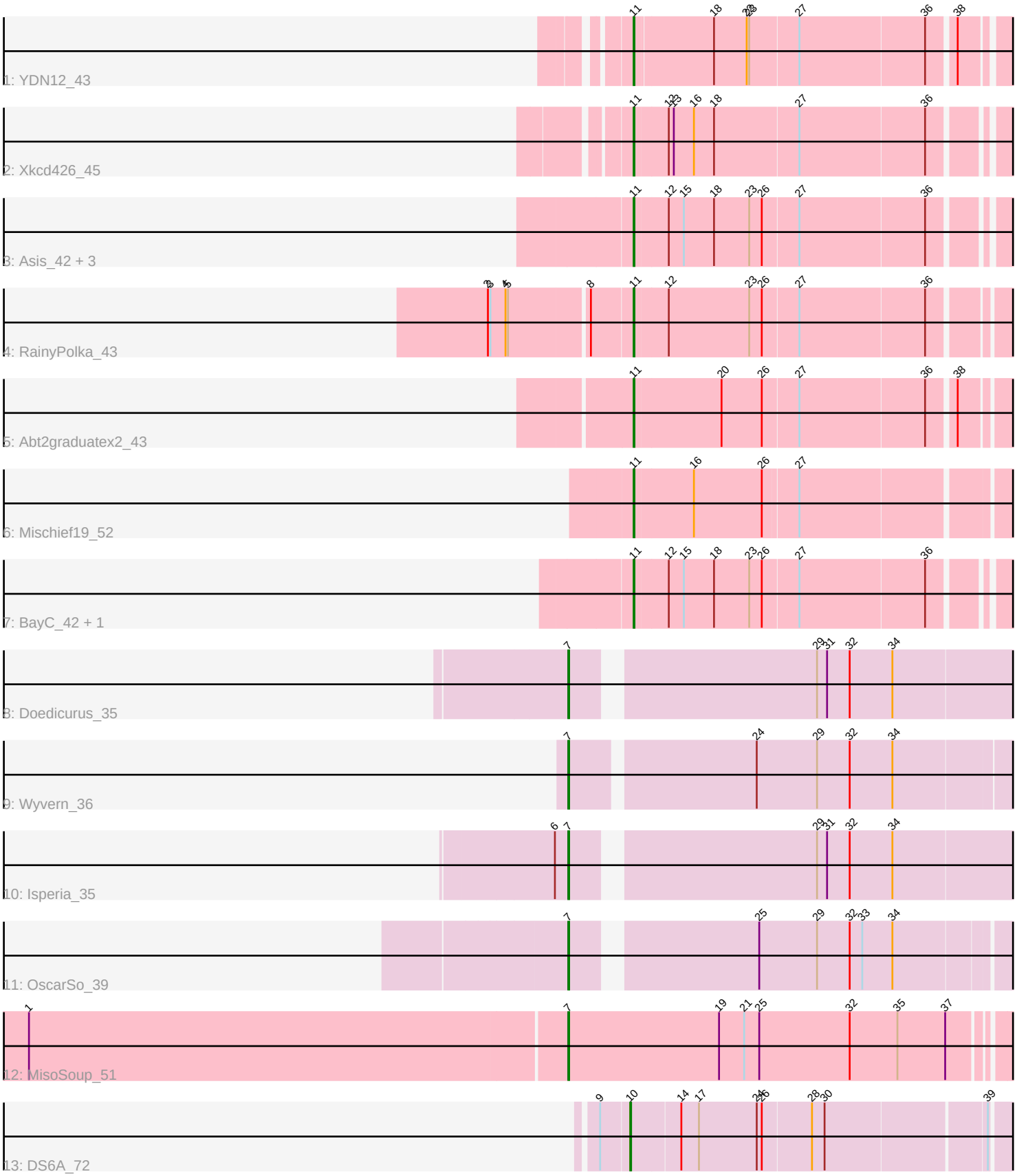
Pham 348108


1: YDN12_43
2: Xkcd426_45
3: Asis_42 + 3
4: RainyPolka_43
5: Abt2graduatex2_43
6: Mischief19_52
7: BayC_42 + 1
8: Doedicurus_35
9: Wyvern_36
10: Isperia_35
11: OscarSo_39
12: MisoSoup_51
13: DS6A_72

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 348108 Report

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

Pham number 348108 has 17 members, 0 are drafts.

Phages represented in each track:
• Track 1 : YDN12_43
• Track 2 : Xkcd426_45
• Track 3 : Asis_42, BabyGotBac_43, TP1604_42, Maih_41
• Track 4 : RainyPolka_43
• Track 5 : Abt2graduatex2_43
• Track 6 : Mischief19_52
• Track 7 : BayC_42, Salete_42
• Track 8 : Doedicurus_35
• Track 9 : Wyvern_36
• Track 10 : Isperia_35
• Track 11 : OscarSo_39
• Track 12 : MisoSoup_51
• Track 13 : DS6A_72

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

The start number called the most often in the published annotations is 11, it was called in 11 of the 17 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Abt2graduatex2_43, Asis_42, BabyGotBac_43, BayC_42, Maih_41, Mischief19_52, RainyPolka_43, Salete_42, TP1604_42, Xkcd426_45, YDN12_43,

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

Genes that do not have the "Most Annotated" start:
• DS6A_72, Doedicurus_35, Isperia_35, MisoSoup_51, OscarSo_39, Wyvern_36,

Summary by start number:

Start 7:
• Found in 5 of 17 (29.4%) of genes in pham
• Manual Annotations of this start: 5 of 17

• Called 100.0% of time when present
• Phage (with cluster) where this start called: Doedicurus_35 (GJ), Isperia_35 (GJ), MisoSoup_51 (GM), OscarSo_39 (GJ), Wyvern_36 (GJ),

Start 10:
• Found in 1 of 17 (5.9%) of genes in pham
• Manual Annotations of this start: 1 of 17
• Called 100.0% of time when present
• Phage (with cluster) where this start called: DS6A_72 (singleton),

Start 11:
• Found in 11 of 17 (64.7%) of genes in pham
• Manual Annotations of this start: 11 of 17
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Abt2graduatex2_43 (BG), Asis_42 (BG), BabyGotBac_43 (BG), BayC_42 (BG), Maih_41 (BG), Mischief19_52 (BG), RainyPolka_43 (BG), Salete_42 (BG), TP1604_42 (BG), Xkcd426_45 (BG), YDN12_43 (BG),

Summary by clusters:

There are 4 clusters represented in this pham: singleton, BG, GM, GJ,

Info for manual annotations of cluster BG:
•Start number 11 was manually annotated 11 times for cluster BG.

Info for manual annotations of cluster GJ:
•Start number 7 was manually annotated 4 times for cluster GJ.

Info for manual annotations of cluster GM:
•Start number 7 was manually annotated 1 time for cluster GM.

Gene Information:

Gene: Abt2graduatex2_43 Start: 34463, Stop: 34035, Start Num: 11
Candidate Starts for Abt2graduatex2_43:
(Start: 11 @34463 has 11 MA's), (20, 34361), (26, 34313), (27, 34271), (36, 34124), (38, 34094),

Gene: Asis_42 Start: 34223, Stop: 33801, Start Num: 11
Candidate Starts for Asis_42:
(Start: 11 @34223 has 11 MA's), (12, 34184), (15, 34166), (18, 34130), (23, 34088), (26, 34073), (27, 34031), (36, 33884),

Gene: BabyGotBac_43 Start: 34223, Stop: 33801, Start Num: 11
Candidate Starts for BabyGotBac_43:
(Start: 11 @34223 has 11 MA's), (12, 34184), (15, 34166), (18, 34130), (23, 34088), (26, 34073), (27, 34031), (36, 33884),

Gene: BayC_42 Start: 34220, Stop: 33798, Start Num: 11
Candidate Starts for BayC_42:

(Start: 11 @34220 has 11 MA's), (12, 34181), (15, 34163), (18, 34127), (23, 34085), (26, 34070), (27, 34028), (36, 33881),

Gene: DS6A_72 Start: 46893, Stop: 47366, Start Num: 10
Candidate Starts for DS6A_72:
(9, 46860), (Start: 10 @46893 has 1 MA's), (14, 46950), (17, 46971), (24, 47040), (26, 47046), (28, 47103), (30, 47118), (39, 47301),

Gene: Doedicurus_35 Start: 23838, Stop: 23290, Start Num: 7
Candidate Starts for Doedicurus_35:
(Start: 7 @23838 has 5 MA's), (29, 23571), (31, 23559), (32, 23532), (34, 23481),

Gene: Isperia_35 Start: 23474, Stop: 22926, Start Num: 7
Candidate Starts for Isperia_35:
(6, 23489), (Start: 7 @23474 has 5 MA's), (29, 23207), (31, 23195), (32, 23168), (34, 23117),

Gene: Maih_41 Start: 34222, Stop: 33800, Start Num: 11
Candidate Starts for Maih_41:
(Start: 11 @34222 has 11 MA's), (12, 34183), (15, 34165), (18, 34129), (23, 34087), (26, 34072), (27, 34030), (36, 33883),

Gene: Mischief19_52 Start: 45192, Stop: 44764, Start Num: 11
Candidate Starts for Mischief19_52:
(Start: 11 @45192 has 11 MA's), (16, 45123), (26, 45042), (27, 45003),

Gene: MisoSoup_51 Start: 33046, Stop: 32498, Start Num: 7
Candidate Starts for MisoSoup_51:
(1, 33679), (Start: 7 @33046 has 5 MA's), (19, 32866), (21, 32836), (25, 32818), (32, 32710), (35, 32653), (37, 32596),

Gene: OscarSo_39 Start: 25306, Stop: 24770, Start Num: 7
Candidate Starts for OscarSo_39:
(Start: 7 @25306 has 5 MA's), (25, 25108), (29, 25039), (32, 25000), (33, 24985), (34, 24949),

Gene: RainyPolka_43 Start: 34205, Stop: 33777, Start Num: 11
Candidate Starts for RainyPolka_43:
(2, 34367), (3, 34364), (4, 34346), (5, 34343), (8, 34253), (Start: 11 @34205 has 11 MA's), (12, 34166), (23, 34070), (26, 34055), (27, 34013), (36, 33866),

Gene: Salete_42 Start: 34220, Stop: 33798, Start Num: 11
Candidate Starts for Salete_42:
(Start: 11 @34220 has 11 MA's), (12, 34181), (15, 34163), (18, 34127), (23, 34085), (26, 34070), (27, 34028), (36, 33881),

Gene: TP1604_42 Start: 34223, Stop: 33801, Start Num: 11
Candidate Starts for TP1604_42:
(Start: 11 @34223 has 11 MA's), (12, 34184), (15, 34166), (18, 34130), (23, 34088), (26, 34073), (27, 34031), (36, 33884),

Gene: Wyvern_36 Start: 24369, Stop: 23770, Start Num: 7
Candidate Starts for Wyvern_36:
(Start: 7 @24369 has 5 MA's), (24, 24162), (29, 24090), (32, 24051), (34, 24000),

Gene: Xkcd426_45 Start: 40092, Stop: 39676, Start Num: 11
Candidate Starts for Xkcd426_45:
(Start: 11 @40092 has 11 MA's), (12, 40053), (13, 40047), (16, 40023), (18, 39999), (27, 39900), (36, 39753),

Gene: YDN12_43 Start: 33738, Stop: 33316, Start Num: 11
Candidate Starts for YDN12_43:
(Start: 11 @33738 has 11 MA's), (18, 33648), (22, 33609), (23, 33606), (27, 33549), (36, 33402), (38, 33372),