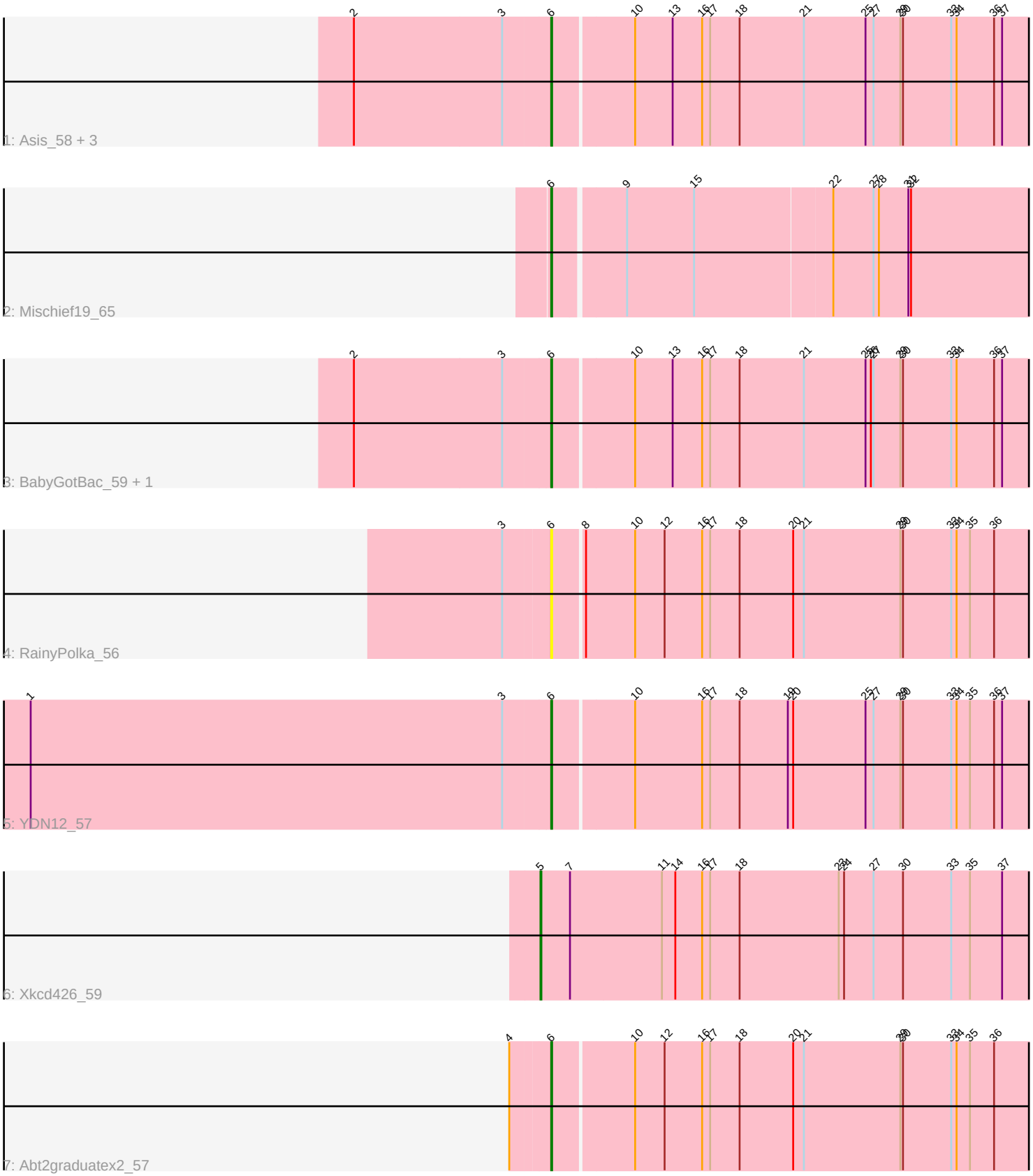
Pham 5588


1: Asis_58 + 3
2: Mischief19_65
3: BabyGotBac_59 + 1
4: RainyPolka_56
5: YDN12_57
6: Xkcd426_59
7: Abt2graduatex2_57

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 5588 Report

This analysis was run 04/05/24 on database version 557.

Pham number 5588 has 11 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Asis_58, Salete_58, Maih_57, BayC_58
• Track 2 : Mischief19_65
• Track 3 : BabyGotBac_59, TP1604_58
• Track 4 : RainyPolka_56
• Track 5 : YDN12_57
• Track 6 : Xkcd426_59
• Track 7 : Abt2graduatex2_57

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

The start number called the most often in the published annotations is 6, it was called in 9 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Abt2graduatex2_57, Asis_58, BabyGotBac_59, BayC_58, Maih_57, Mischief19_65, RainyPolka_56, Salete_58, TP1604_58, YDN12_57,

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

Genes that do not have the "Most Annotated" start:
• Xkcd426_59,

Summary by start number:

Start 5:
• Found in 1 of 11 (9.1%) of genes in pham
• Manual Annotations of this start: 1 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Xkcd426_59 (BG),

Start 6:
• Found in 10 of 11 (90.9%) of genes in pham
• Manual Annotations of this start: 9 of 10

• Called 100.0% of time when present
• Phage (with cluster) where this start called: Abt2graduatex2_57 (BG), Asis_58 (BG), BabyGotBac_59 (BG), BayC_58 (BG), Maih_57 (BG), Mischief19_65 (BG), RainyPolka_56 (BG), Salete_58 (BG), TP1604_58 (BG), YDN12_57 (BG),

Summary by clusters:

There is one cluster represented in this pham: BG

Info for manual annotations of cluster BG:
•Start number 5 was manually annotated 1 time for cluster BG.
•Start number 6 was manually annotated 9 times for cluster BG.

Gene Information:

Gene: Abt2graduatex2_57 Start: 47643, Stop: 48188, Start Num: 6
Candidate Starts for Abt2graduatex2_57:
(4, 47601), (Start: 6 @47643 has 9 MA's), (10, 47730), (12, 47763), (16, 47805), (17, 47814), (18, 47847), (20, 47907), (21, 47919), (29, 48027), (30, 48030), (33, 48084), (34, 48090), (35, 48105), (36, 48132),

Gene: Asis_58 Start: 47753, Stop: 48295, Start Num: 6
Candidate Starts for Asis_58:
(2, 47537), (3, 47702), (Start: 6 @47753 has 9 MA's), (10, 47840), (13, 47882), (16, 47915), (17, 47924), (18, 47957), (21, 48029), (25, 48098), (27, 48107), (29, 48137), (30, 48140), (33, 48194), (34, 48200), (36, 48242), (37, 48251),

Gene: BabyGotBac_59 Start: 47759, Stop: 48301, Start Num: 6
Candidate Starts for BabyGotBac_59:
(2, 47543), (3, 47708), (Start: 6 @47759 has 9 MA's), (10, 47846), (13, 47888), (16, 47921), (17, 47930), (18, 47963), (21, 48035), (25, 48104), (26, 48110), (27, 48113), (29, 48143), (30, 48146), (33, 48200), (34, 48206), (36, 48248), (37, 48257),

Gene: BayC_58 Start: 47757, Stop: 48299, Start Num: 6
Candidate Starts for BayC_58:
(2, 47541), (3, 47706), (Start: 6 @47757 has 9 MA's), (10, 47844), (13, 47886), (16, 47919), (17, 47928), (18, 47961), (21, 48033), (25, 48102), (27, 48111), (29, 48141), (30, 48144), (33, 48198), (34, 48204), (36, 48246), (37, 48255),

Gene: Maih_57 Start: 47770, Stop: 48312, Start Num: 6
Candidate Starts for Maih_57:
(2, 47554), (3, 47719), (Start: 6 @47770 has 9 MA's), (10, 47857), (13, 47899), (16, 47932), (17, 47941), (18, 47974), (21, 48046), (25, 48115), (27, 48124), (29, 48154), (30, 48157), (33, 48211), (34, 48217), (36, 48259), (37, 48268),

Gene: Mischief19_65 Start: 57916, Stop: 58443, Start Num: 6
Candidate Starts for Mischief19_65:
(Start: 6 @57916 has 9 MA's), (9, 57991), (15, 58066), (22, 58216), (27, 58261), (28, 58267), (31, 58300), (32, 58303),

Gene: RainyPolka_56 Start: 47032, Stop: 47571, Start Num: 6

Candidate Starts for RainyPolka_56:
(3, 46984), (Start: 6 @47032 has 9 MA's), (8, 47065), (10, 47119), (12, 47152), (16, 47194), (17, 47203), (18, 47236), (20, 47296), (21, 47308), (29, 47416), (30, 47419), (33, 47473), (34, 47479), (35, 47494), (36, 47521),

Gene: Salete_58 Start: 47757, Stop: 48299, Start Num: 6
Candidate Starts for Salete_58:
(2, 47541), (3, 47706), (Start: 6 @47757 has 9 MA's), (10, 47844), (13, 47886), (16, 47919), (17, 47928), (18, 47961), (21, 48033), (25, 48102), (27, 48111), (29, 48141), (30, 48144), (33, 48198), (34, 48204), (36, 48246), (37, 48255),

Gene: TP1604_58 Start: 47762, Stop: 48304, Start Num: 6
Candidate Starts for TP1604_58:
(2, 47546), (3, 47711), (Start: 6 @47762 has 9 MA's), (10, 47849), (13, 47891), (16, 47924), (17, 47933), (18, 47966), (21, 48038), (25, 48107), (26, 48113), (27, 48116), (29, 48146), (30, 48149), (33, 48203), (34, 48209), (36, 48251), (37, 48260),

Gene: Xkcd426_59 Start: 52880, Stop: 53443, Start Num: 5
Candidate Starts for Xkcd426_59:
(Start: 5 @52880 has 1 MA's), (7, 52913), (11, 53015), (14, 53030), (16, 53060), (17, 53069), (18, 53102), (23, 53213), (24, 53219), (27, 53252), (30, 53285), (33, 53339), (35, 53360), (37, 53396),

Gene: YDN12_57 Start: 46597, Stop: 47139, Start Num: 6
Candidate Starts for YDN12_57:
(1, 46018), (3, 46546), (Start: 6 @46597 has 9 MA's), (10, 46684), (16, 46759), (17, 46768), (18, 46801), (19, 46855), (20, 46861), (25, 46942), (27, 46951), (29, 46981), (30, 46984), (33, 47038), (34, 47044), (35, 47059), (36, 47086), (37, 47095),