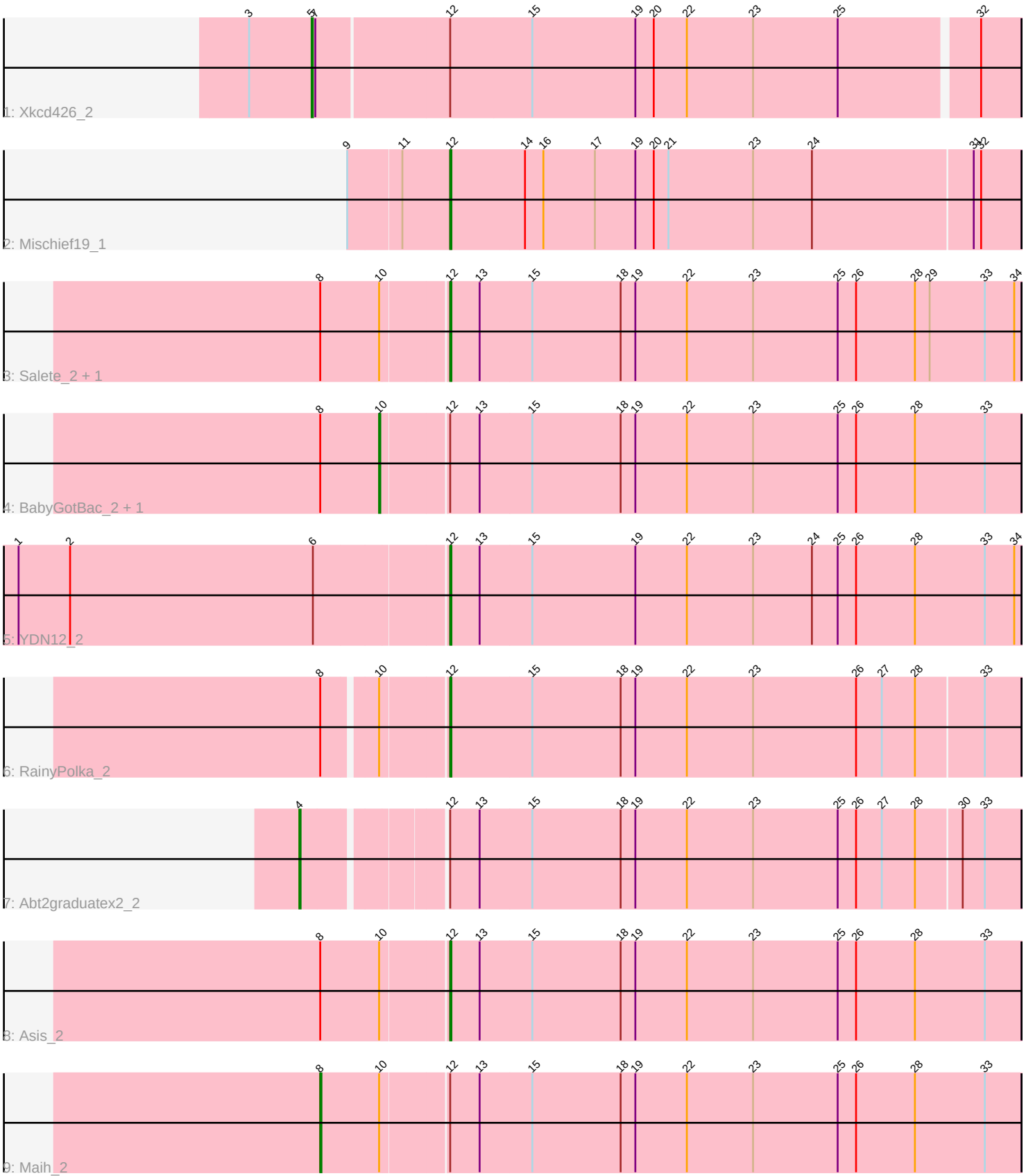
Pham 257977


1: Xkcd426_2
2: Mischief19_1
3: Salete_2 + 1
4: BabyGotBac_2 + 1
5: YDN12_2
6: RainyPolka_2
7: Abt2graduatex2_2
8: Asis_2
9: Maih_2

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 257977 Report

This analysis was run 02/07/26 on database version 634.

Pham number 257977 has 11 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Xkcd426_2
• Track 2 : Mischief19_1
• Track 3 : Salete_2, BayC_2
• Track 4 : BabyGotBac_2, TP1604_2
• Track 5 : YDN12_2
• Track 6 : RainyPolka_2
• Track 7 : Abt2graduatex2_2
• Track 8 : Asis_2
• Track 9 : Maih_2

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

The start number called the most often in the published annotations is 12, it was called in 6 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Asis_2, BayC_2, Mischief19_1, RainyPolka_2, Salete_2, YDN12_2,

Genes that have the "Most Annotated" start but do not call it:
• Abt2graduatex2_2, BabyGotBac_2, Maih_2, TP1604_2, Xkcd426_2,

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

Summary by start number:

Start 4:
• Found in 1 of 11 (9.1%) of genes in pham
• Manual Annotations of this start: 1 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Abt2graduatex2_2 (BG),

Start 5:
• Found in 1 of 11 (9.1%) of genes in pham

• Manual Annotations of this start: 1 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Xkcd426_2 (BG),

Start 8:
• Found in 7 of 11 (63.6%) of genes in pham
• Manual Annotations of this start: 1 of 11
• Called 14.3% of time when present
• Phage (with cluster) where this start called: Maih_2 (BG),

Start 10:
• Found in 7 of 11 (63.6%) of genes in pham
• Manual Annotations of this start: 2 of 11
• Called 28.6% of time when present
• Phage (with cluster) where this start called: BabyGotBac_2 (BG), TP1604_2 (BG),

Start 12:
• Found in 11 of 11 (100.0%) of genes in pham
• Manual Annotations of this start: 6 of 11
• Called 54.5% of time when present
• Phage (with cluster) where this start called: Asis_2 (BG), BayC_2 (BG), Mischief19_1 (BG), RainyPolka_2 (BG), Salete_2 (BG), YDN12_2 (BG),

Summary by clusters:

There is one cluster represented in this pham: BG

Info for manual annotations of cluster BG:
•Start number 4 was manually annotated 1 time for cluster BG.
•Start number 5 was manually annotated 1 time for cluster BG.
•Start number 8 was manually annotated 1 time for cluster BG.
•Start number 10 was manually annotated 2 times for cluster BG.
•Start number 12 was manually annotated 6 times for cluster BG.

Gene Information:

Gene: Abt2graduatex2_2 Start: 607, Stop: 1170, Start Num: 4
Candidate Starts for Abt2graduatex2_2:
(Start: 4 @607 has 1 MA's), (Start: 12 @709 has 6 MA's), (13, 733), (15, 775), (18, 847), (19, 859), (22, 901), (23, 955), (25, 1024), (26, 1039), (27, 1060), (28, 1087), (30, 1123), (33, 1141),

Gene: Asis_2 Start: 719, Stop: 1183, Start Num: 12
Candidate Starts for Asis_2:
(Start: 8 @620 has 1 MA's), (Start: 10 @668 has 2 MA's), (Start: 12 @719 has 6 MA's), (13, 743), (15, 785), (18, 857), (19, 869), (22, 911), (23, 965), (25, 1034), (26, 1049), (28, 1097), (33, 1154),

Gene: BabyGotBac_2 Start: 668, Stop: 1183, Start Num: 10
Candidate Starts for BabyGotBac_2:
(Start: 8 @620 has 1 MA's), (Start: 10 @668 has 2 MA's), (Start: 12 @719 has 6 MA's), (13, 743), (15, 785), (18, 857), (19, 869), (22, 911), (23, 965), (25, 1034), (26, 1049), (28, 1097), (33, 1154),

Gene: BayC_2 Start: 719, Stop: 1183, Start Num: 12
Candidate Starts for BayC_2:
(Start: 8 @620 has 1 MA's), (Start: 10 @668 has 2 MA's), (Start: 12 @719 has 6 MA's), (13, 743), (15, 785), (18, 857), (19, 869), (22, 911), (23, 965), (25, 1034), (26, 1049), (28, 1097), (29, 1109), (33, 1154), (34, 1178),

Gene: Maih_2 Start: 620, Stop: 1183, Start Num: 8
Candidate Starts for Maih_2:
(Start: 8 @620 has 1 MA's), (Start: 10 @668 has 2 MA's), (Start: 12 @719 has 6 MA's), (13, 743), (15, 785), (18, 857), (19, 869), (22, 911), (23, 965), (25, 1034), (26, 1049), (28, 1097), (33, 1154),

Gene: Mischief19_1 Start: 82, Stop: 543, Start Num: 12
Candidate Starts for Mischief19_1:
(9, 1), (11, 43), (Start: 12 @82 has 6 MA's), (14, 142), (16, 157), (17, 199), (19, 232), (20, 247), (21, 259), (23, 328), (24, 376), (31, 505), (32, 511),

Gene: RainyPolka_2 Start: 716, Stop: 1177, Start Num: 12
Candidate Starts for RainyPolka_2:
(Start: 8 @626 has 1 MA's), (Start: 10 @665 has 2 MA's), (Start: 12 @716 has 6 MA's), (15, 782), (18, 854), (19, 866), (22, 908), (23, 962), (26, 1046), (27, 1067), (28, 1094), (33, 1148),

Gene: Salete_2 Start: 719, Stop: 1183, Start Num: 12
Candidate Starts for Salete_2:
(Start: 8 @620 has 1 MA's), (Start: 10 @668 has 2 MA's), (Start: 12 @719 has 6 MA's), (13, 743), (15, 785), (18, 857), (19, 869), (22, 911), (23, 965), (25, 1034), (26, 1049), (28, 1097), (29, 1109), (33, 1154), (34, 1178),

Gene: TP1604_2 Start: 668, Stop: 1183, Start Num: 10
Candidate Starts for TP1604_2:
(Start: 8 @620 has 1 MA's), (Start: 10 @668 has 2 MA's), (Start: 12 @719 has 6 MA's), (13, 743), (15, 785), (18, 857), (19, 869), (22, 911), (23, 965), (25, 1034), (26, 1049), (28, 1097), (33, 1154),

Gene: Xkcd426_2 Start: 669, Stop: 1232, Start Num: 5
Candidate Starts for Xkcd426_2:
(3, 618), (Start: 5 @669 has 1 MA's), (7, 672), (Start: 12 @777 has 6 MA's), (15, 843), (19, 927), (20, 942), (22, 969), (23, 1023), (25, 1092), (32, 1200),

Gene: YDN12_2 Start: 717, Stop: 1181, Start Num: 12
Candidate Starts for YDN12_2:
(1, 375), (2, 417), (6, 615), (Start: 12 @717 has 6 MA's), (13, 741), (15, 783), (19, 867), (22, 909), (23, 963), (24, 1011), (25, 1032), (26, 1047), (28, 1095), (33, 1152), (34, 1176),