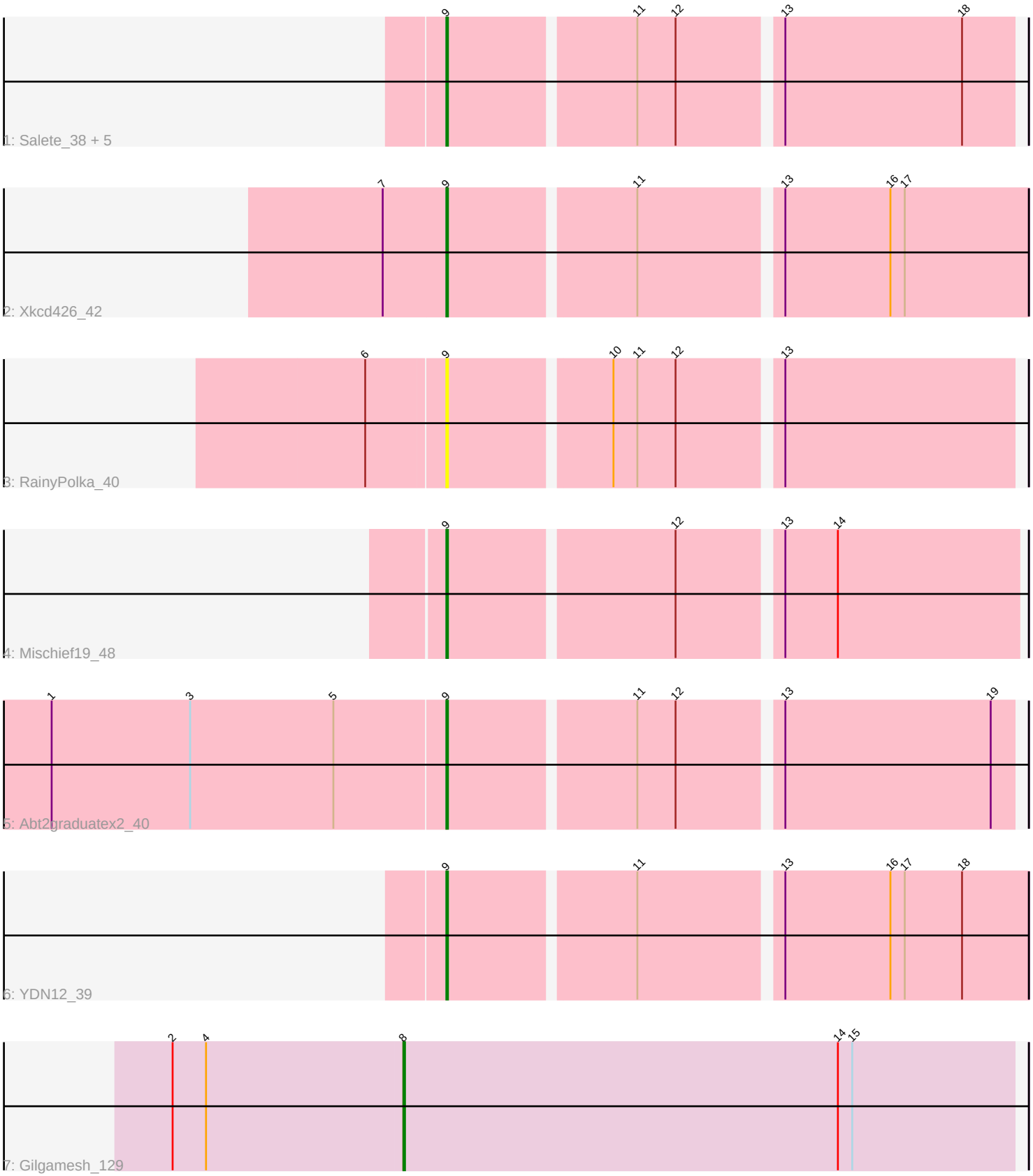
Pham 5241


9
11
12
13
18
1: Salete_38 + 5
7
9
11
13
16
17
2: Xkcd426_42
6
9
10
11
12
13
3: RainyPolka_40
9
12
13
14
4: Mischief19_48
1
3
5
9
11
12
13
19
5: Abt2graduatex2_40
9
11
13
16
17
18
6: YDN12_39
2
4
8
14
15
7: Gilgamesh_129

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 5241 Report

This analysis was run 04/28/24 on database version 559.

Pham number 5241 has 12 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Salete_38, BayC_38, BabyGotBac_39, Asis_38, TP1604_38, Maih_37
• Track 2 : Xkcd426_42
• Track 3 : RainyPolka_40
• Track 4 : Mischief19_48
• Track 5 : Abt2graduatex2_40
• Track 6 : YDN12_39
• Track 7 : Gilgamesh_129

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

The start number called the most often in the published annotations is 9, it was called in 10 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Abt2graduatex2_40, Asis_38, BabyGotBac_39, BayC_38, Maih_37, Mischief19_48, RainyPolka_40, Salete_38, TP1604_38, Xkcd426_42, YDN12_39,

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

Genes that do not have the "Most Annotated" start:
• Gilgamesh_129,

Summary by start number:

Start 8:
• Found in 1 of 12 (8.3%) 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: Gilgamesh_129 (singleton),

Start 9:
• Found in 11 of 12 (91.7%) of genes in pham
• Manual Annotations of this start: 10 of 11

• Called 100.0% of time when present
• Phage (with cluster) where this start called: Abt2graduatex2_40 (BG), Asis_38 (BG), BabyGotBac_39 (BG), BayC_38 (BG), Maih_37 (BG), Mischief19_48 (BG), RainyPolka_40 (BG), Salete_38 (BG), TP1604_38 (BG), Xkcd426_42 (BG), YDN12_39 (BG),

Summary by clusters:

There are 2 clusters represented in this pham: singleton, BG,

Info for manual annotations of cluster BG:
•Start number 9 was manually annotated 10 times for cluster BG.

Gene Information:

Gene: Abt2graduatex2_40 Start: 31695, Stop: 31357, Start Num: 9
Candidate Starts for Abt2graduatex2_40:
(1, 31941), (3, 31854), (5, 31764), (Start: 9 @31695 has 10 MA's), (11, 31584), (12, 31560), (13, 31500), (19, 31371),

Gene: Asis_38 Start: 30919, Stop: 30581, Start Num: 9
Candidate Starts for Asis_38:
(Start: 9 @30919 has 10 MA's), (11, 30808), (12, 30784), (13, 30724), (18, 30613),

Gene: BabyGotBac_39 Start: 30919, Stop: 30581, Start Num: 9
Candidate Starts for BabyGotBac_39:
(Start: 9 @30919 has 10 MA's), (11, 30808), (12, 30784), (13, 30724), (18, 30613),

Gene: BayC_38 Start: 30919, Stop: 30581, Start Num: 9
Candidate Starts for BayC_38:
(Start: 9 @30919 has 10 MA's), (11, 30808), (12, 30784), (13, 30724), (18, 30613),

Gene: Gilgamesh_129 Start: 113144, Stop: 113527, Start Num: 8
Candidate Starts for Gilgamesh_129:
(2, 113000), (4, 113021), (Start: 8 @113144 has 1 MA's), (14, 113417), (15, 113426),

Gene: Maih_37 Start: 30918, Stop: 30580, Start Num: 9
Candidate Starts for Maih_37:
(Start: 9 @30918 has 10 MA's), (11, 30807), (12, 30783), (13, 30723), (18, 30612),

Gene: Mischief19_48 Start: 42738, Stop: 42397, Start Num: 9
Candidate Starts for Mischief19_48:
(Start: 9 @42738 has 10 MA's), (12, 42603), (13, 42543), (14, 42510),

Gene: RainyPolka_40 Start: 31480, Stop: 31142, Start Num: 9
Candidate Starts for RainyPolka_40:
(6, 31528), (Start: 9 @31480 has 10 MA's), (10, 31384), (11, 31369), (12, 31345), (13, 31285),

Gene: Salete_38 Start: 30919, Stop: 30581, Start Num: 9
Candidate Starts for Salete_38:
(Start: 9 @30919 has 10 MA's), (11, 30808), (12, 30784), (13, 30724), (18, 30613),

Gene: TP1604_38 Start: 30919, Stop: 30581, Start Num: 9
Candidate Starts for TP1604_38:
(Start: 9 @30919 has 10 MA's), (11, 30808), (12, 30784), (13, 30724), (18, 30613),

Gene: Xkcd426_42 Start: 38235, Stop: 37888, Start Num: 9
Candidate Starts for Xkcd426_42:
(7, 38274), (Start: 9 @38235 has 10 MA's), (11, 38124), (13, 38040), (16, 37974), (17, 37965),

Gene: YDN12_39 Start: 30926, Stop: 30579, Start Num: 9
Candidate Starts for YDN12_39:
(Start: 9 @30926 has 10 MA's), (11, 30815), (13, 30731), (16, 30665), (17, 30656), (18, 30620),