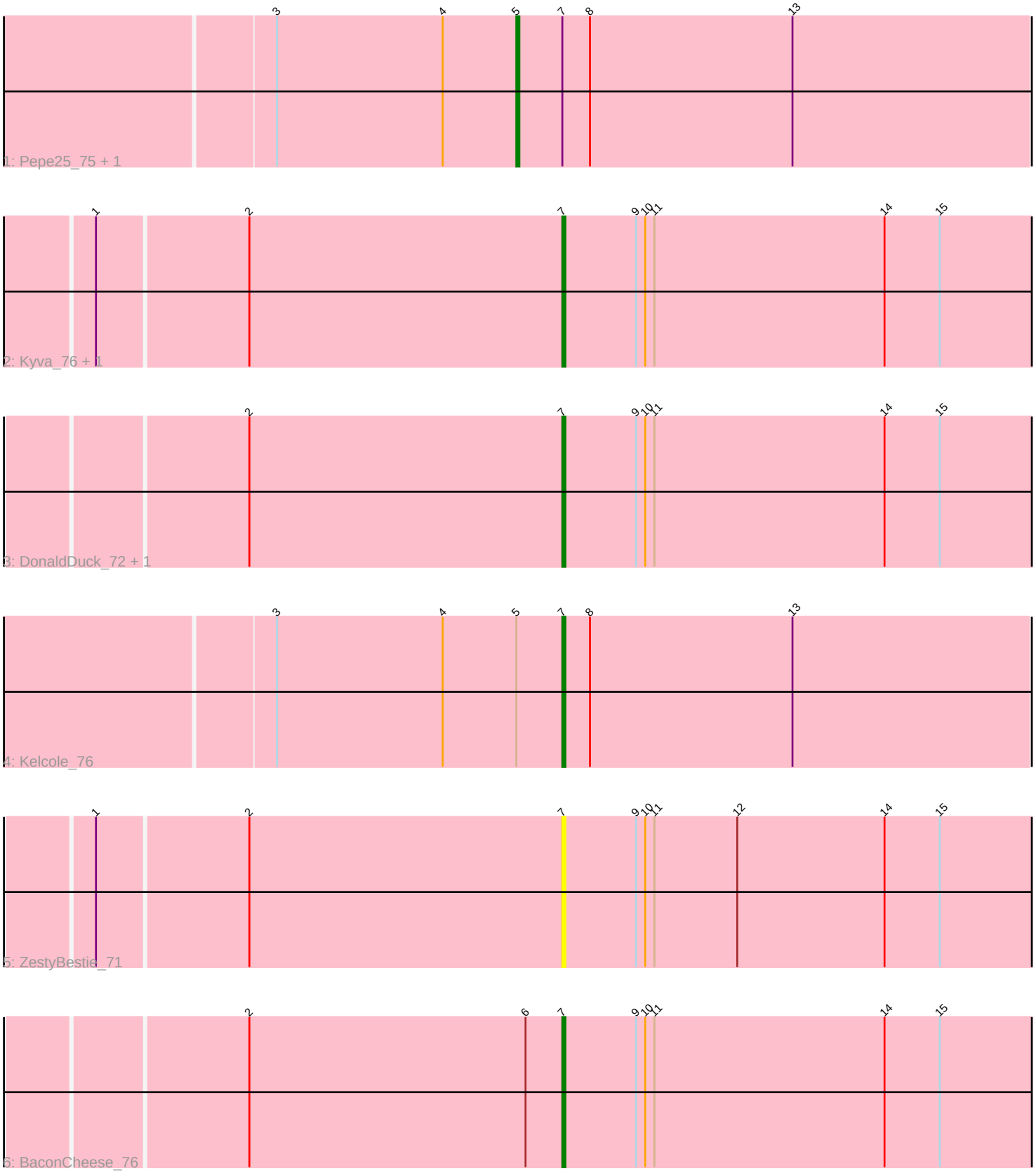
Pham 344657


3
4
5
7
8
13
1: Pepe25_75 + 1
1
2
7
9
10
11
14
15
2: Kyva_76 + 1
2
7
9
10
11
14
15
3: DonaldDuck_72 + 1
3
4
5
7
8
13
4: Kelcole_76
1
2
7
9
10
11
12
14
15
5: ZestyBestie_71
2
6
7
9
10
11
14
15
6: BaconCheese_76

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 344657 Report

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

Pham number 344657 has 9 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Pepe25_75, Romm_79
• Track 2 : Kyva_76, Grassboy_76
• Track 3 : DonaldDuck_72, Wheelie_72
• Track 4 : Kelcole_76
• Track 5 : ZestyBestie_71
• Track 6 : BaconCheese_76

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 6 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BaconCheese_76, DonaldDuck_72, Grassboy_76, Kelcole_76, Kyva_76, Wheelie_72, ZestyBestie_71,

Genes that have the "Most Annotated" start but do not call it:
• Pepe25_75, Romm_79,

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

Summary by start number:

Start 5:
• Found in 3 of 9 (33.3%) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 66.7% of time when present
• Phage (with cluster) where this start called: Pepe25_75 (EG), Romm_79 (EG),

Start 7:
• Found in 9 of 9 (100.0%) of genes in pham
• Manual Annotations of this start: 6 of 7
• Called 77.8% of time when present

• Phage (with cluster) where this start called: BaconCheese_76 (EG), DonaldDuck_72 (EG), Grassboy_76 (EG), Kelcole_76 (EG), Kyva_76 (EG), Wheelie_72 (EG), ZestyBestie_71 (EG),

Summary by clusters:

There is one cluster represented in this pham: EG

Info for manual annotations of cluster EG:
•Start number 5 was manually annotated 1 time for cluster EG.
•Start number 7 was manually annotated 6 times for cluster EG.

Gene Information:

Gene: BaconCheese_76 Start: 51949, Stop: 51779, Start Num: 7
Candidate Starts for BaconCheese_76:
(2, 52051), (6, 51961), (Start: 7 @51949 has 6 MA's), (9, 51925), (10, 51922), (11, 51919), (14, 51844), (15, 51826),

Gene: DonaldDuck_72 Start: 49925, Stop: 49755, Start Num: 7
Candidate Starts for DonaldDuck_72:
(2, 50027), (Start: 7 @49925 has 6 MA's), (9, 49901), (10, 49898), (11, 49895), (14, 49820), (15, 49802),

Gene: Grassboy_76 Start: 50705, Stop: 50535, Start Num: 7
Candidate Starts for Grassboy_76:
(1, 50855), (2, 50807), (Start: 7 @50705 has 6 MA's), (9, 50681), (10, 50678), (11, 50675), (14, 50600), (15, 50582),

Gene: Kelcole_76 Start: 50518, Stop: 50333, Start Num: 7
Candidate Starts for Kelcole_76:
(3, 50611), (4, 50557), (Start: 5 @50533 has 1 MA's), (Start: 7 @50518 has 6 MA's), (8, 50509), (13, 50443),

Gene: Kyva_76 Start: 50729, Stop: 50559, Start Num: 7
Candidate Starts for Kyva_76:
(1, 50879), (2, 50831), (Start: 7 @50729 has 6 MA's), (9, 50705), (10, 50702), (11, 50699), (14, 50624), (15, 50606),

Gene: Pepe25_75 Start: 49514, Stop: 49314, Start Num: 5
Candidate Starts for Pepe25_75:
(3, 49592), (4, 49538), (Start: 5 @49514 has 1 MA's), (Start: 7 @49499 has 6 MA's), (8, 49490), (13, 49424),

Gene: Romm_79 Start: 50714, Stop: 50514, Start Num: 5
Candidate Starts for Romm_79:
(3, 50792), (4, 50738), (Start: 5 @50714 has 1 MA's), (Start: 7 @50699 has 6 MA's), (8, 50690), (13, 50624),

Gene: Wheelie_72 Start: 49925, Stop: 49755, Start Num: 7
Candidate Starts for Wheelie_72:

(2, 50027), (Start: 7 @49925 has 6 MA's), (9, 49901), (10, 49898), (11, 49895), (14, 49820), (15, 49802),

Gene: ZestyBestie_71 Start: 50016, Stop: 49846, Start Num: 7
Candidate Starts for ZestyBestie_71:
(1, 50166), (2, 50118), (Start: 7 @50016 has 6 MA's), (9, 49992), (10, 49989), (11, 49986), (12, 49959), (14, 49911), (15, 49893),