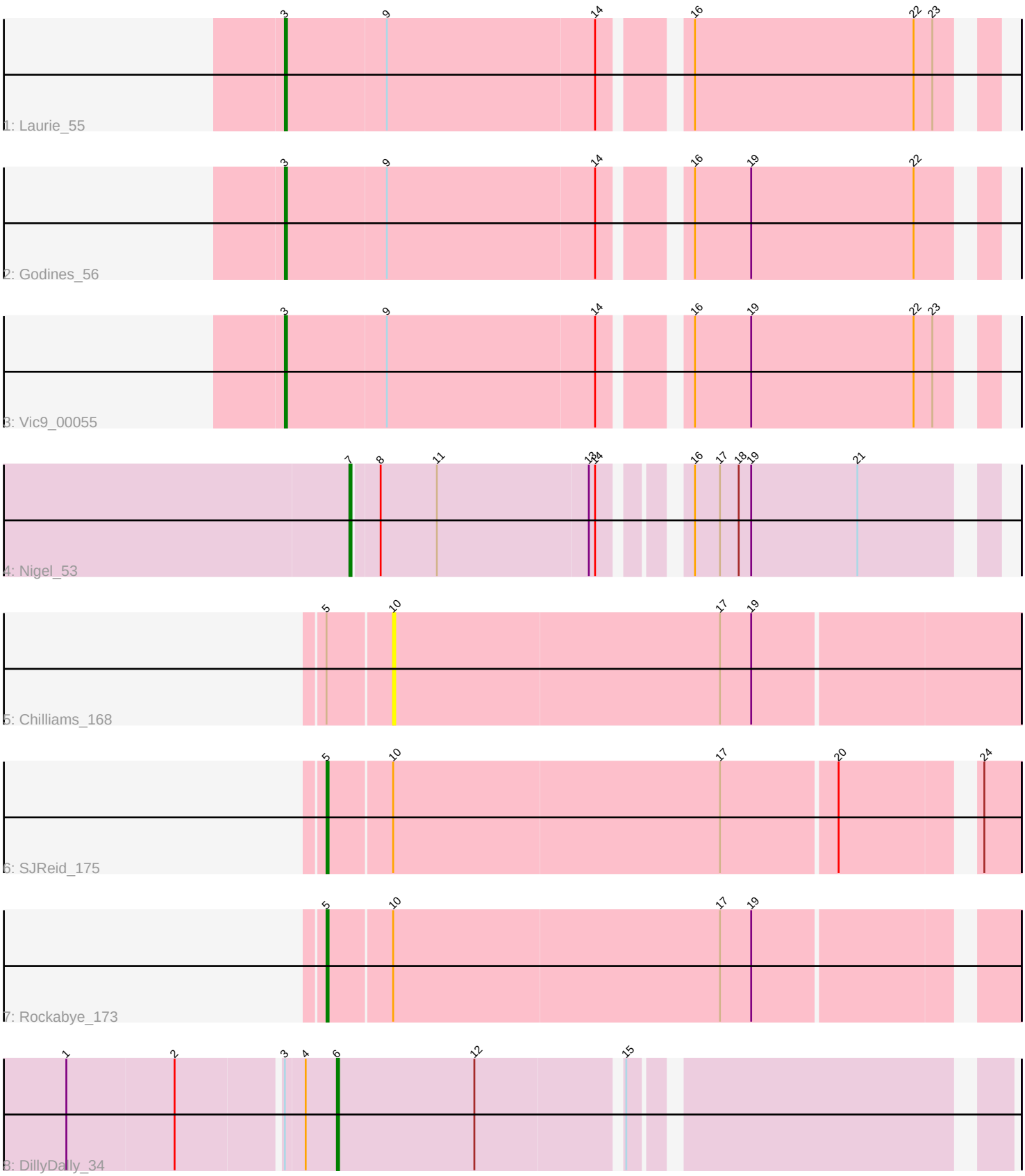
Pham 348333


3
9
14
16
22
23
1: Laurie_55
3
9
14
16
19
22
2: Godines_56
3
9
14
16
19
22
23
3: Vic9_00055
7
8
11
13
14
16
17
18
19
21
4: Nigel_53
5
10
17
19
5: Chilliams_168
5
10
17
20
24
6: SJReid_175
5
10
17
19
7: Rockabye_173
1
2
3
4
6
12
15
8: DillyDally_34

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 348333 Report

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

Pham number 348333 has 8 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Laurie_55
• Track 2 : Godines_56
• Track 3 : Vic9_00055
• Track 4 : Nigel_53
• Track 5 : Chilliams_168
• Track 6 : SJReid_175
• Track 7 : Rockabye_173
• Track 8 : DillyDally_34

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

The start number called the most often in the published annotations is 3, it was called in 3 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Godines_56, Laurie_55, Vic9_00055,

Genes that have the "Most Annotated" start but do not call it:
• DillyDally_34,

Genes that do not have the "Most Annotated" start:
• Chilliams_168, Nigel_53, Rockabye_173, SJReid_175,

Summary by start number:

Start 3:
• Found in 4 of 8 (50.0%) of genes in pham
• Manual Annotations of this start: 3 of 7
• Called 75.0% of time when present
• Phage (with cluster) where this start called: Godines_56 (B2), Laurie_55 (B2), Vic9_00055 (B2),

Start 5:
• Found in 3 of 8 (37.5%) of genes in pham

• Manual Annotations of this start: 2 of 7
• Called 66.7% of time when present
• Phage (with cluster) where this start called: Rockabye_173 (FC), SJReid_175 (FC),

Start 6:
• Found in 1 of 8 (12.5%) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: DillyDally_34 (singleton),

Start 7:
• Found in 1 of 8 (12.5%) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Nigel_53 (B4),

Start 10:
• Found in 3 of 8 (37.5%) of genes in pham
• No Manual Annotations of this start.
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Chilliams_168 (FC),

Summary by clusters:

There are 4 clusters represented in this pham: B4, singleton, FC, B2,

Info for manual annotations of cluster B2:
•Start number 3 was manually annotated 3 times for cluster B2.

Info for manual annotations of cluster B4:
•Start number 7 was manually annotated 1 time for cluster B4.

Info for manual annotations of cluster FC:
•Start number 5 was manually annotated 2 times for cluster FC.

Gene Information:

Gene: Chilliams_168 Start: 104931, Stop: 105227, Start Num: 10
Candidate Starts for Chilliams_168:
(Start: 5 @104901 has 2 MA's), (10, 104931), (17, 105087), (19, 105102),

Gene: DillyDally_34 Start: 25564, Stop: 25857, Start Num: 6
Candidate Starts for DillyDally_34:
(1, 25441), (2, 25492), (Start: 3 @25540 has 3 MA's), (4, 25549), (Start: 6 @25564 has 1 MA's), (12, 25630), (15, 25696),

Gene: Godines_56 Start: 50854, Stop: 50540, Start Num: 3
Candidate Starts for Godines_56:
(Start: 3 @50854 has 3 MA's), (9, 50806), (14, 50707), (16, 50674), (19, 50647), (22, 50569),

Gene: Laurie_55 Start: 50282, Stop: 49968, Start Num: 3

Candidate Starts for Laurie_55:
(Start: 3 @50282 has 3 MA's), (9, 50234), (14, 50135), (16, 50102), (22, 49997), (23, 49988),

Gene: Nigel_53 Start: 51747, Stop: 51469, Start Num: 7
Candidate Starts for Nigel_53:
(Start: 7 @51747 has 1 MA's), (8, 51735), (11, 51708), (13, 51636), (14, 51633), (16, 51603), (17, 51591), (18, 51582), (19, 51576), (21, 51525),

Gene: Rockabye_173 Start: 106814, Stop: 107128, Start Num: 5
Candidate Starts for Rockabye_173:
(Start: 5 @106814 has 2 MA's), (10, 106844), (17, 107000), (19, 107015),

Gene: SJReid_175 Start: 105039, Stop: 105353, Start Num: 5
Candidate Starts for SJReid_175:
(Start: 5 @105039 has 2 MA's), (10, 105069), (17, 105225), (20, 105279), (24, 105336),

Gene: Vic9_00055 Start: 51306, Stop: 50992, Start Num: 3
Candidate Starts for Vic9_00055:
(Start: 3 @51306 has 3 MA's), (9, 51258), (14, 51159), (16, 51126), (19, 51099), (22, 51021), (23, 51012),