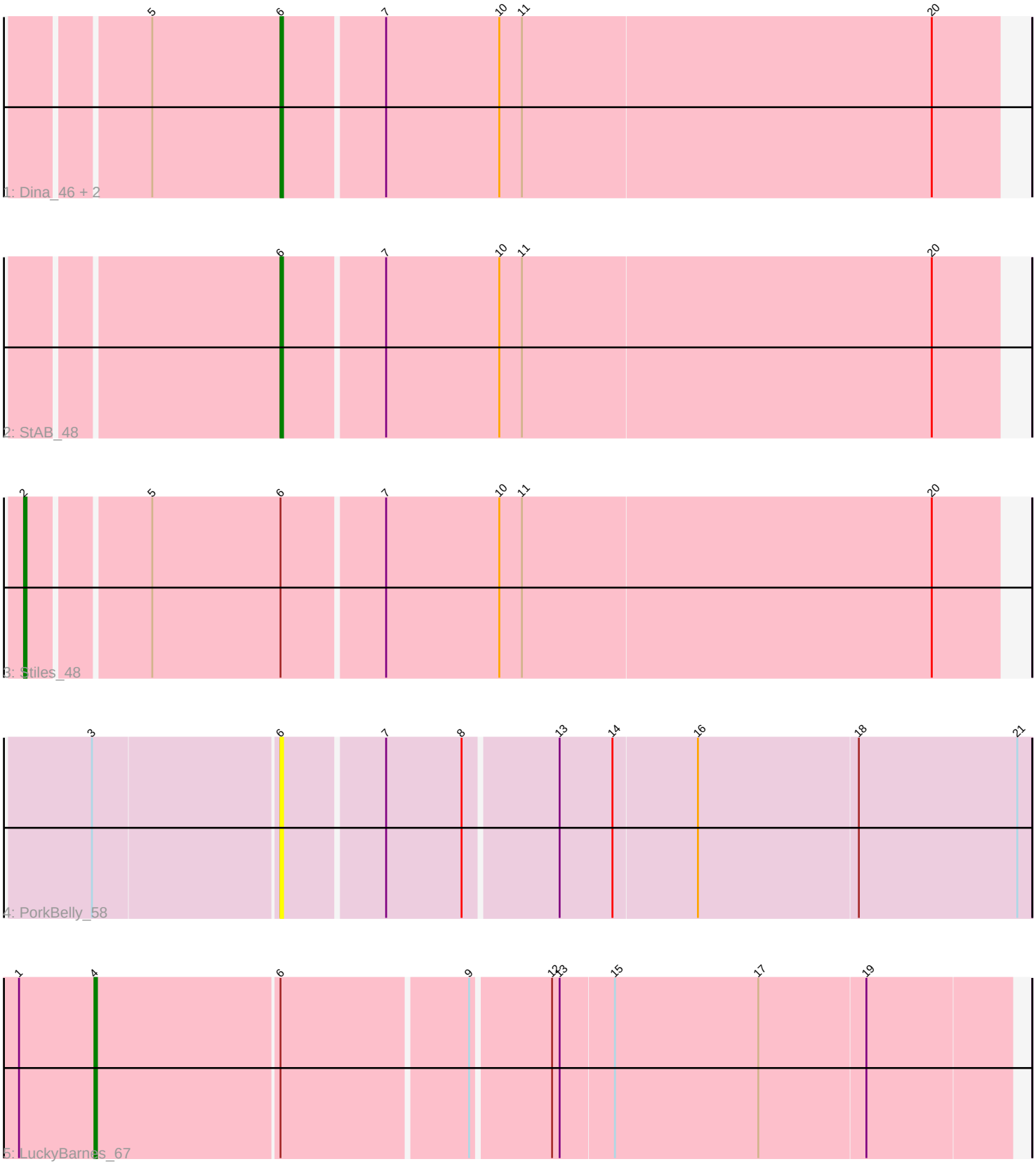
Pham 333590


5
6
7
10
11
20
1: Dina_46 + 2
6
7
10
11
20
2: StAB_48
2
5
6
7
10
11
20
3: Stiles_48
3
6
7
8
13
14
16
18
21
4: PorkBelly_58
1
4
6
9
12
13
15
17
19
5: LuckyBarnes_67

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 333590 Report

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

Pham number 333590 has 7 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Dina_46, Adelaide_44, Lederberg_44
• Track 2 : StAB_48
• Track 3 : Stiles_48
• Track 4 : PorkBelly_58
• Track 5 : LuckyBarnes_67

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

Genes that call this "Most Annotated" start:
• Adelaide_44, Dina_46, Lederberg_44, PorkBelly_58, StAB_48,

Genes that have the "Most Annotated" start but do not call it:
• LuckyBarnes_67, Stiles_48,

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

Summary by start number:

Start 2:
• Found in 1 of 7 (14.3%) of genes in pham
• Manual Annotations of this start: 1 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Stiles_48 (EP),

Start 4:
• Found in 1 of 7 (14.3%) of genes in pham
• Manual Annotations of this start: 1 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: LuckyBarnes_67 (singleton),

Start 6:
• Found in 7 of 7 (100.0%) of genes in pham
• Manual Annotations of this start: 4 of 6
• Called 71.4% of time when present
• Phage (with cluster) where this start called: Adelaide_44 (EP), Dina_46 (EP), Lederberg_44 (EP), PorkBelly_58 (FJ), StAB_48 (EP),

Summary by clusters:

There are 3 clusters represented in this pham: FJ, EP, singleton,

Info for manual annotations of cluster EP:
•Start number 2 was manually annotated 1 time for cluster EP.
•Start number 6 was manually annotated 4 times for cluster EP.

Gene Information:

Gene: Adelaide_44 Start: 37000, Stop: 37281, Start Num: 6
Candidate Starts for Adelaide_44:
(5, 36949), (Start: 6 @37000 has 4 MA's), (7, 37039), (10, 37084), (11, 37093), (20, 37255),

Gene: Dina_46 Start: 36076, Stop: 36357, Start Num: 6
Candidate Starts for Dina_46:
(5, 36025), (Start: 6 @36076 has 4 MA's), (7, 36115), (10, 36160), (11, 36169), (20, 36331),

Gene: Lederberg_44 Start: 36869, Stop: 37150, Start Num: 6
Candidate Starts for Lederberg_44:
(5, 36818), (Start: 6 @36869 has 4 MA's), (7, 36908), (10, 36953), (11, 36962), (20, 37124),

Gene: LuckyBarnes_67 Start: 50469, Stop: 50116, Start Num: 4
Candidate Starts for LuckyBarnes_67:
(1, 50499), (Start: 4 @50469 has 1 MA's), (Start: 6 @50397 has 4 MA's), (9, 50325), (12, 50295), (13, 50292), (15, 50271), (17, 50214), (19, 50172),

Gene: PorkBelly_58 Start: 44897, Stop: 44607, Start Num: 6
Candidate Starts for PorkBelly_58:
(3, 44969), (Start: 6 @44897 has 4 MA's), (7, 44858), (8, 44828), (13, 44792), (14, 44771), (16, 44738), (18, 44675), (21, 44612),

Gene: StAB_48 Start: 39065, Stop: 39346, Start Num: 6
Candidate Starts for StAB_48:
(Start: 6 @39065 has 4 MA's), (7, 39104), (10, 39149), (11, 39158), (20, 39320),

Gene: Stiles_48 Start: 38424, Stop: 38801, Start Num: 2
Candidate Starts for Stiles_48:
(Start: 2 @38424 has 1 MA's), (5, 38469), (Start: 6 @38520 has 4 MA's), (7, 38559), (10, 38604), (11, 38613), (20, 38775),