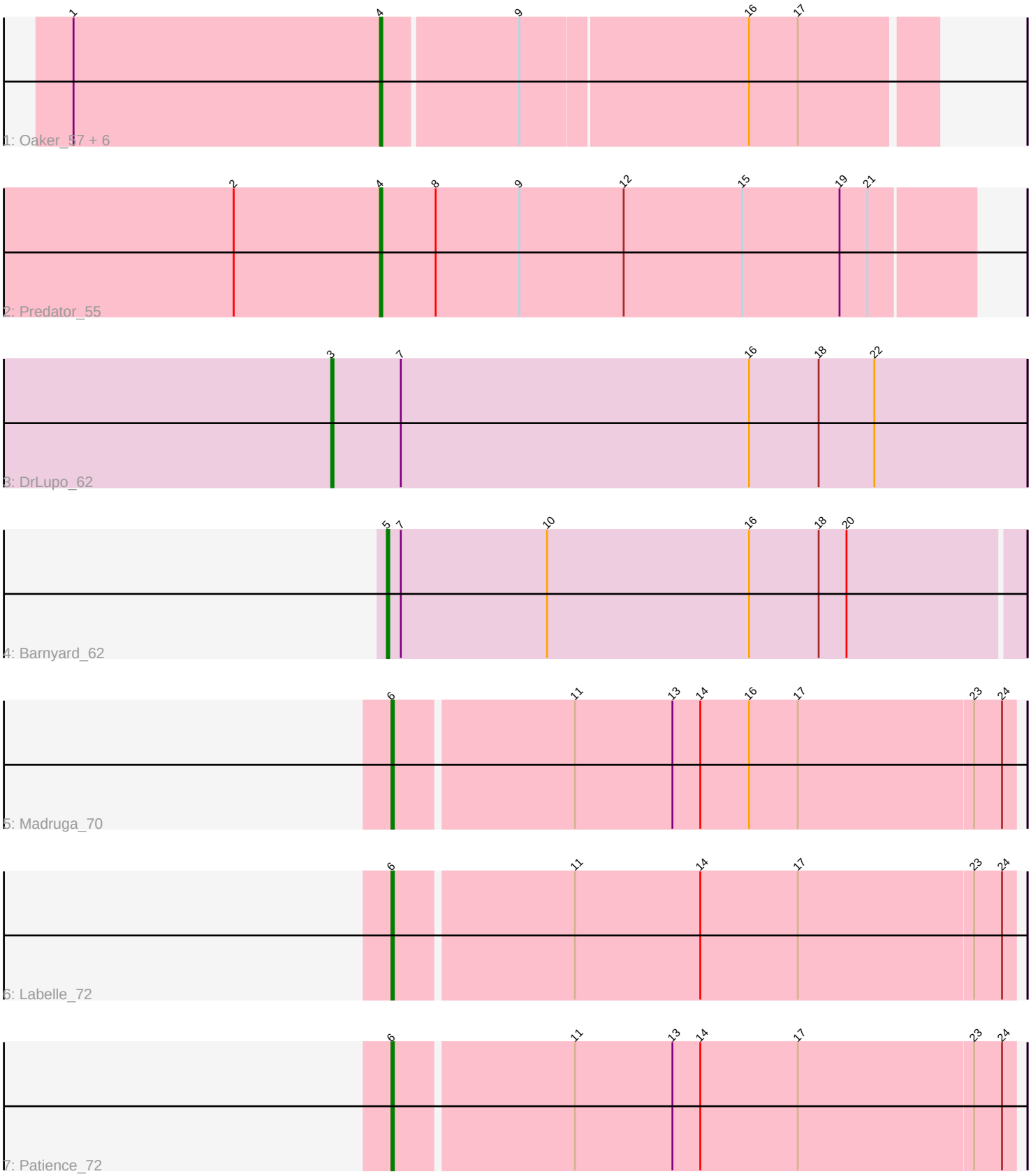
Pham 87289


1
4
9
16
17
1: Oaker_87 + 6
2
4
8
9
12
15
19
21
2: Predator_55
3
7
16
18
22
3: DrLupo_62
5
7
10
16
18
20
4: Barnyard_62
6
11
13
14
16
17
23
24
5: Madruga_70
6
11
14
17
23
24
6: Labelle_72
6
11
13
14
17
23
24
7: Patience_72

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 87289 Report

This analysis was run 04/05/24 on database version 557.

Pham number 87289 has 13 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Oaker_57, Beckerton_57, Cborch11_60, Konstantine_62, Megatron06_61, Phreeze_57, Thumb_59
• Track 2 : Predator_55
• Track 3 : DrLupo_62
• Track 4 : Barnyard_62
• Track 5 : Madruga_70
• Track 6 : Labelle_72
• Track 7 : Patience_72

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

The start number called the most often in the published annotations is 4, it was called in 7 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Beckerton_57, Cborch11_60, Konstantine_62, Megatron06_61, Oaker_57, Phreeze_57, Predator_55, Thumb_59,

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

Genes that do not have the "Most Annotated" start:
• Barnyard_62, DrLupo_62, Labelle_72, Madruga_70, Patience_72,

Summary by start number:

Start 3:
• Found in 1 of 13 (7.7%) of genes in pham
• Manual Annotations of this start: 1 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: DrLupo_62 (H2),

Start 4:
• Found in 8 of 13 (61.5%) of genes in pham

• Manual Annotations of this start: 7 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Beckerton_57 (H1), Cborch11_60 (H1), Konstantine_62 (H1), Megatron06_61 (H1), Oaker_57 (H1), Phreeze_57 (H1), Predator_55 (H1), Thumb_59 (H1),

Start 5:
• Found in 1 of 13 (7.7%) of genes in pham
• Manual Annotations of this start: 1 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Barnyard_62 (H2),

Start 6:
• Found in 3 of 13 (23.1%) of genes in pham
• Manual Annotations of this start: 3 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Labelle_72 (U), Madruga_70 (U), Patience_72 (U),

Summary by clusters:

There are 3 clusters represented in this pham: H2, H1, U,

Info for manual annotations of cluster H1:
•Start number 4 was manually annotated 7 times for cluster H1.

Info for manual annotations of cluster H2:
•Start number 3 was manually annotated 1 time for cluster H2.
•Start number 5 was manually annotated 1 time for cluster H2.

Info for manual annotations of cluster U:
•Start number 6 was manually annotated 3 times for cluster U.

Gene Information:

Gene: Barnyard_62 Start: 44007, Stop: 44279, Start Num: 5
Candidate Starts for Barnyard_62:
(Start: 5 @44007 has 1 MA's), (7, 44013), (10, 44076), (16, 44163), (18, 44193), (20, 44205),

Gene: Beckerton_57 Start: 45436, Stop: 45666, Start Num: 4
Candidate Starts for Beckerton_57:
(1, 45304), (Start: 4 @45436 has 7 MA's), (9, 45493), (16, 45589), (17, 45610),

Gene: Cborch11_60 Start: 44954, Stop: 45184, Start Num: 4
Candidate Starts for Cborch11_60:
(1, 44822), (Start: 4 @44954 has 7 MA's), (9, 45011), (16, 45107), (17, 45128),

Gene: DrLupo_62 Start: 44089, Stop: 44388, Start Num: 3
Candidate Starts for DrLupo_62:
(Start: 3 @44089 has 1 MA's), (7, 44119), (16, 44269), (18, 44299), (22, 44323),

Gene: Konstantine_62 Start: 45747, Stop: 45977, Start Num: 4
Candidate Starts for Konstantine_62:
(1, 45615), (Start: 4 @45747 has 7 MA's), (9, 45804), (16, 45900), (17, 45921),

Gene: Labelle_72 Start: 47514, Stop: 47777, Start Num: 6
Candidate Starts for Labelle_72:
(Start: 6 @47514 has 3 MA's), (11, 47589), (14, 47643), (17, 47685), (23, 47760), (24, 47772),

Gene: Madruga_70 Start: 47164, Stop: 47427, Start Num: 6
Candidate Starts for Madruga_70:
(Start: 6 @47164 has 3 MA's), (11, 47239), (13, 47281), (14, 47293), (16, 47314), (17, 47335), (23, 47410), (24, 47422),

Gene: Megatron06_61 Start: 45493, Stop: 45723, Start Num: 4
Candidate Starts for Megatron06_61:
(1, 45361), (Start: 4 @45493 has 7 MA's), (9, 45550), (16, 45646), (17, 45667),

Gene: Oaker_57 Start: 45208, Stop: 45438, Start Num: 4
Candidate Starts for Oaker_57:
(1, 45076), (Start: 4 @45208 has 7 MA's), (9, 45265), (16, 45361), (17, 45382),

Gene: Patience_72 Start: 48058, Stop: 48321, Start Num: 6
Candidate Starts for Patience_72:
(Start: 6 @48058 has 3 MA's), (11, 48133), (13, 48175), (14, 48187), (17, 48229), (23, 48304), (24, 48316),

Gene: Phreeze_57 Start: 44513, Stop: 44743, Start Num: 4
Candidate Starts for Phreeze_57:
(1, 44381), (Start: 4 @44513 has 7 MA's), (9, 44570), (16, 44666), (17, 44687),

Gene: Predator_55 Start: 42802, Stop: 43056, Start Num: 4
Candidate Starts for Predator_55:
(2, 42739), (Start: 4 @42802 has 7 MA's), (8, 42826), (9, 42862), (12, 42907), (15, 42958), (19, 43000), (21, 43012),

Gene: Thumb_59 Start: 44948, Stop: 45178, Start Num: 4
Candidate Starts for Thumb_59:
(1, 44816), (Start: 4 @44948 has 7 MA's), (9, 45005), (16, 45101), (17, 45122),