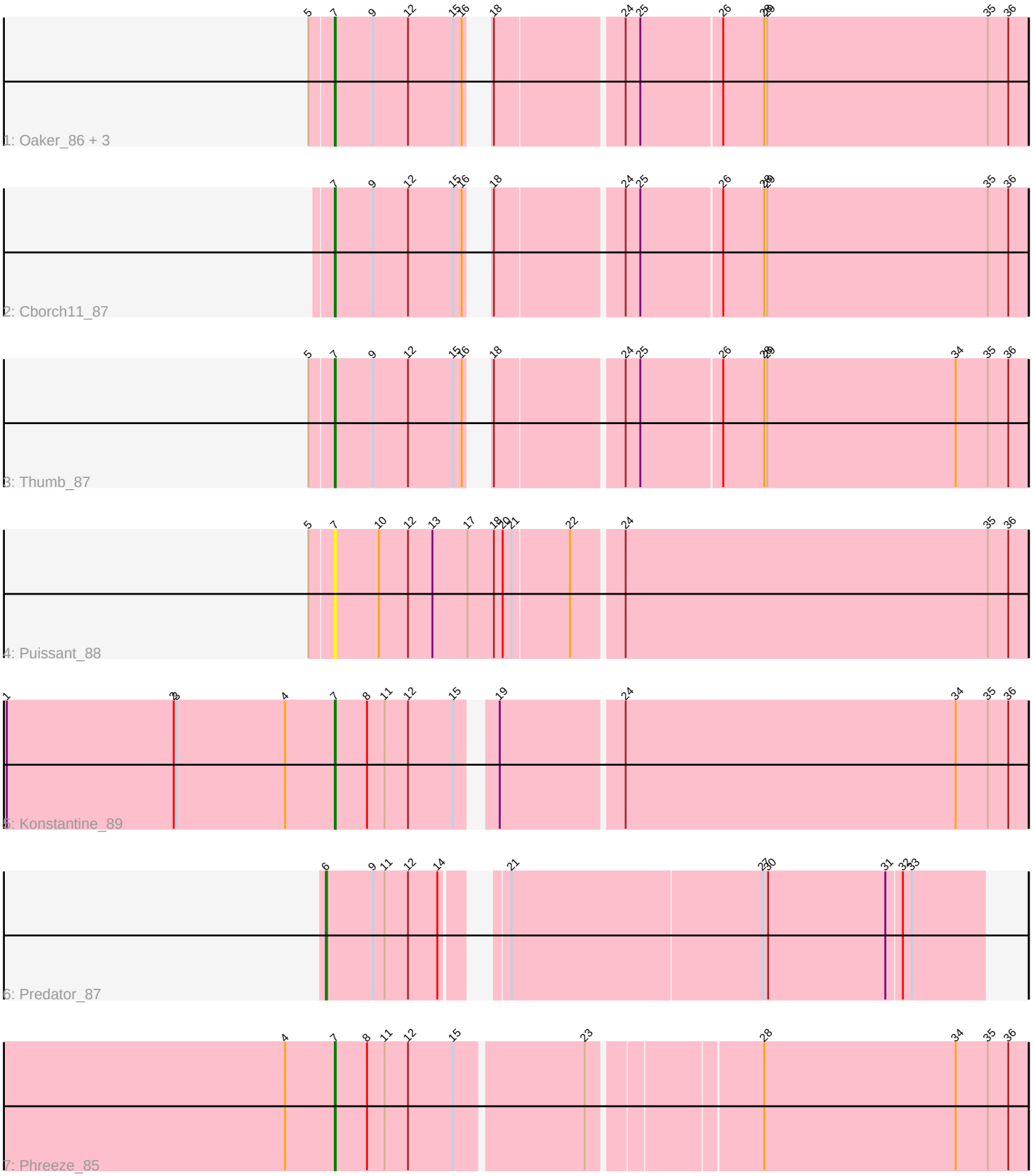
Pham 27972


1: Oaker_86 + 3
2: Cborch11_87
3: Thumb_87
4: Puissant_88
5: Konstantine_89
6: Predator_87
7: Phreeze_85

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 27972 Report

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

Pham number 27972 has 10 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Oaker_86, Damien_86, Beckerton_85, Megatron06_89
• Track 2 : Cborch11_87
• Track 3 : Thumb_87
• Track 4 : Puissant_88
• Track 5 : Konstantine_89
• Track 6 : Predator_87
• Track 7 : Phreeze_85

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 7 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Beckerton_85, Cborch11_87, Damien_86, Konstantine_89, Megatron06_89, Oaker_86, Phreeze_85, Puissant_88, Thumb_87,

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

Genes that do not have the "Most Annotated" start:
• Predator_87,

Summary by start number:

Start 6:
• Found in 1 of 10 (10.0%) of genes in pham
• Manual Annotations of this start: 1 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Predator_87 (H1),

Start 7:
• Found in 9 of 10 (90.0%) of genes in pham
• Manual Annotations of this start: 7 of 8

• Called 100.0% of time when present
• Phage (with cluster) where this start called: Beckerton_85 (H1), Cborch11_87 (H1), Damien_86 (H1), Konstantine_89 (H1), Megatron06_89 (H1), Oaker_86 (H1), Phreeze_85 (H1), Puissant_88 (H1), Thumb_87 (H1),

Summary by clusters:

There is one cluster represented in this pham: H1

Info for manual annotations of cluster H1:
•Start number 6 was manually annotated 1 time for cluster H1.
•Start number 7 was manually annotated 7 times for cluster H1.

Gene Information:

Gene: Beckerton_85 Start: 62871, Stop: 63536, Start Num: 7
Candidate Starts for Beckerton_85:
(5, 62847), (Start: 7 @62871 has 7 MA's), (9, 62910), (12, 62946), (15, 62991), (16, 63000), (18, 63006), (24, 63129), (25, 63144), (26, 63225), (28, 63267), (29, 63270), (35, 63495), (36, 63516),

Gene: Cborch11_87 Start: 61767, Stop: 62432, Start Num: 7
Candidate Starts for Cborch11_87:
(Start: 7 @61767 has 7 MA's), (9, 61806), (12, 61842), (15, 61887), (16, 61896), (18, 61902), (24, 62025), (25, 62040), (26, 62121), (28, 62163), (29, 62166), (35, 62391), (36, 62412),

Gene: Damien_86 Start: 62367, Stop: 63032, Start Num: 7
Candidate Starts for Damien_86:
(5, 62343), (Start: 7 @62367 has 7 MA's), (9, 62406), (12, 62442), (15, 62487), (16, 62496), (18, 62502), (24, 62625), (25, 62640), (26, 62721), (28, 62763), (29, 62766), (35, 62991), (36, 63012),

Gene: Konstantine_89 Start: 62865, Stop: 63542, Start Num: 7
Candidate Starts for Konstantine_89:
(1, 62529), (2, 62700), (3, 62703), (4, 62814), (Start: 7 @62865 has 7 MA's), (8, 62898), (11, 62916), (12, 62940), (15, 62985), (19, 63012), (24, 63132), (34, 63468), (35, 63501), (36, 63522),

Gene: Megatron06_89 Start: 62952, Stop: 63617, Start Num: 7
Candidate Starts for Megatron06_89:
(5, 62928), (Start: 7 @62952 has 7 MA's), (9, 62991), (12, 63027), (15, 63072), (16, 63081), (18, 63087), (24, 63210), (25, 63225), (26, 63306), (28, 63348), (29, 63351), (35, 63576), (36, 63597),

Gene: Oaker_86 Start: 62969, Stop: 63634, Start Num: 7
Candidate Starts for Oaker_86:
(5, 62945), (Start: 7 @62969 has 7 MA's), (9, 63008), (12, 63044), (15, 63089), (16, 63098), (18, 63104), (24, 63227), (25, 63242), (26, 63323), (28, 63365), (29, 63368), (35, 63593), (36, 63614),

Gene: Phreeze_85 Start: 61895, Stop: 62572, Start Num: 7
Candidate Starts for Phreeze_85:
(4, 61844), (Start: 7 @61895 has 7 MA's), (8, 61928), (11, 61946), (12, 61970), (15, 62015), (23, 62141), (28, 62303), (34, 62498), (35, 62531), (36, 62552),

Gene: Predator_87 Start: 63486, Stop: 64115, Start Num: 6

Candidate Starts for Predator_87:
(Start: 6 @63486 has 1 MA's), (9, 63534), (11, 63546), (12, 63570), (14, 63600), (21, 63639), (27, 63891), (30, 63897), (31, 64017), (32, 64032), (33, 64041),

Gene: Puissant_88 Start: 62549, Stop: 63244, Start Num: 7
Candidate Starts for Puissant_88:
(5, 62525), (Start: 7 @62549 has 7 MA's), (10, 62594), (12, 62624), (13, 62648), (17, 62684), (18, 62711), (20, 62720), (21, 62729), (22, 62786), (24, 62834), (35, 63203), (36, 63224),

Gene: Thumb_87 Start: 62321, Stop: 62986, Start Num: 7
Candidate Starts for Thumb_87:
(5, 62297), (Start: 7 @62321 has 7 MA's), (9, 62360), (12, 62396), (15, 62441), (16, 62450), (18, 62456), (24, 62579), (25, 62594), (26, 62675), (28, 62717), (29, 62720), (34, 62912), (35, 62945), (36, 62966),