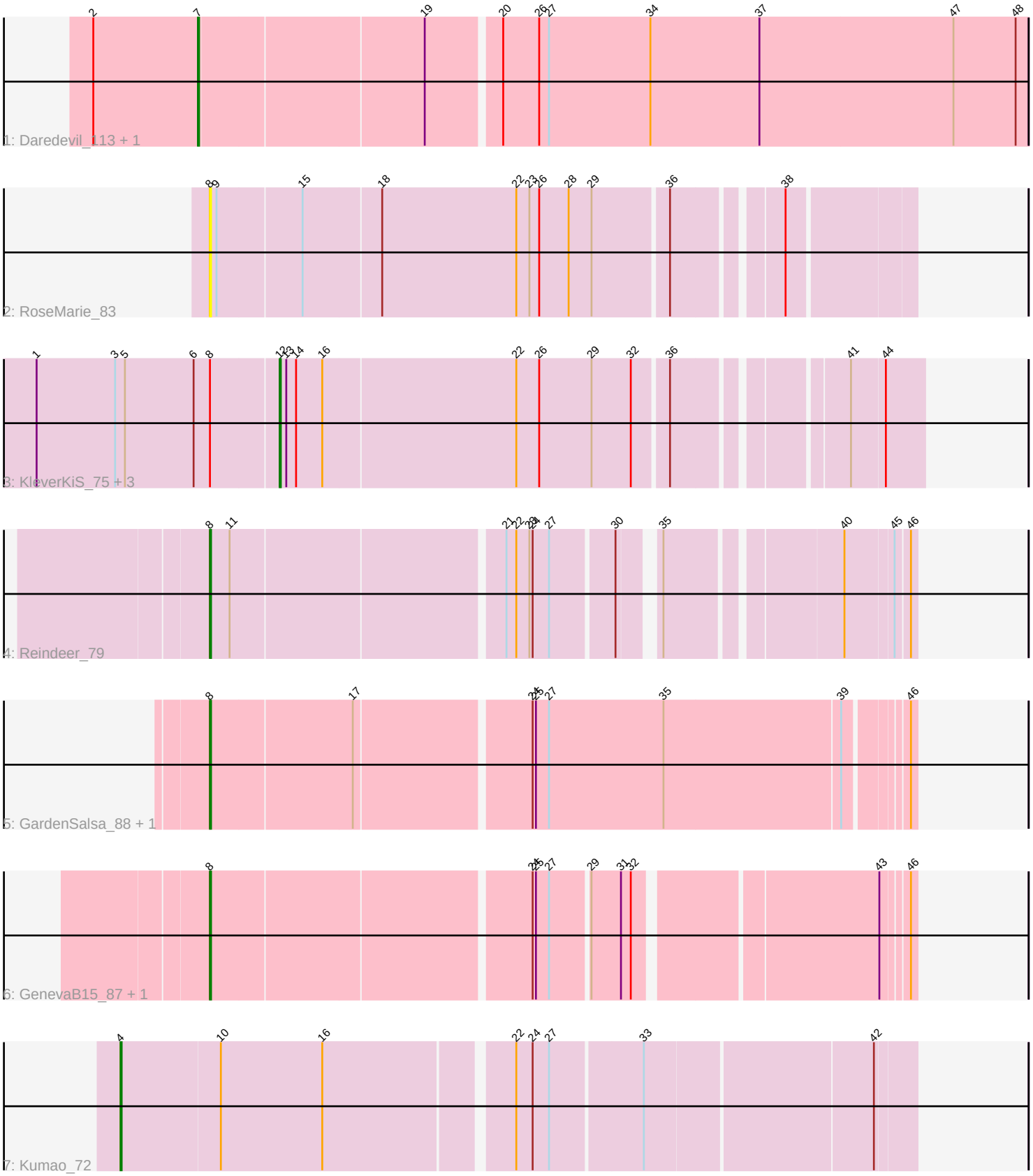
Pham 291686


2
7
19
20
26
27
34
37
47
48
1: Daredevil_113 + 1
8
9
15
18
22
23
26
28
29
36
38
2: RoseMarie_83
1
3
5
6
8
12
13
14
16
22
26
29
32
36
41
44
3: KleverKiS_75 + 3
8
11
21
22
24
27
30
35
40
45
46
4: Reindeer_79
8
17
24
25
27
35
39
46
5: GardenSalsa_88 + 1
8
24
25
27
29
31
32
43
46
6: GenevaB15_87 + 1
4
10
16
22
24
27
33
42
7: Kumao_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 291686 Report

This analysis was run 03/28/26 on database version 641.

Pham number 291686 has 13 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Daredevil_113, Towmatter_113
• Track 2 : RoseMarie_83
• Track 3 : KleverKiS_75, FreakyGoo_80, TpudiCK_80, PegLeg_77
• Track 4 : Reindeer_79
• Track 5 : GardenSalsa_88, MrMagoo_88
• Track 6 : GenevaB15_87, Aziz_85
• Track 7 : Kumao_72

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

The start number called the most often in the published annotations is 8, it was called in 5 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Aziz_85, GardenSalsa_88, GenevaB15_87, MrMagoo_88, Reindeer_79, RoseMarie_83,

Genes that have the "Most Annotated" start but do not call it:
• FreakyGoo_80, KleverKiS_75, PegLeg_77, TpudiCK_80,

Genes that do not have the "Most Annotated" start:
• Daredevil_113, Kumao_72, Towmatter_113,

Summary by start number:

Start 4:
• Found in 1 of 13 (7.7%) of genes in pham
• Manual Annotations of this start: 1 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Kumao_72 (singleton),

Start 7:
• Found in 2 of 13 (15.4%) of genes in pham
• Manual Annotations of this start: 2 of 10

• Called 100.0% of time when present
• Phage (with cluster) where this start called: Daredevil_113 (DL), Towmatter_113 (DL),

Start 8:
• Found in 10 of 13 (76.9%) of genes in pham
• Manual Annotations of this start: 5 of 10
• Called 60.0% of time when present
• Phage (with cluster) where this start called: Aziz_85 (M2), GardenSalsa_88 (M2), GenevaB15_87 (M2), MrMagoo_88 (M2), Reindeer_79 (M1), RoseMarie_83 (M1),

Start 12:
• Found in 4 of 13 (30.8%) of genes in pham
• Manual Annotations of this start: 2 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: FreakyGoo_80 (M1), KleverKiS_75 (M1), PegLeg_77 (M1), TpudiCK_80 (M1),

Summary by clusters:

There are 4 clusters represented in this pham: DL, M1, singleton, M2,

Info for manual annotations of cluster DL:
•Start number 7 was manually annotated 2 times for cluster DL.

Info for manual annotations of cluster M1:
•Start number 8 was manually annotated 1 time for cluster M1.
•Start number 12 was manually annotated 2 times for cluster M1.

Info for manual annotations of cluster M2:
•Start number 8 was manually annotated 4 times for cluster M2.

Gene Information:

Gene: Aziz_85 Start: 51504, Stop: 52097, Start Num: 8
Candidate Starts for Aziz_85:
(Start: 8 @51504 has 5 MA's), (24, 51783), (25, 51786), (27, 51798), (29, 51831), (31, 51858), (32, 51867), (43, 52071), (46, 52092),

Gene: Daredevil_113 Start: 70798, Stop: 71538, Start Num: 7
Candidate Starts for Daredevil_113:
(2, 70702), (Start: 7 @70798 has 2 MA's), (19, 70996), (20, 71059), (26, 71092), (27, 71101), (34, 71194), (37, 71293), (47, 71470), (48, 71527),

Gene: FreakyGoo_80 Start: 50126, Stop: 50668, Start Num: 12
Candidate Starts for FreakyGoo_80:
(1, 49907), (3, 49979), (5, 49988), (6, 50051), (Start: 8 @50066 has 5 MA's), (Start: 12 @50126 has 2 MA's), (13, 50132), (14, 50141), (16, 50165), (22, 50339), (26, 50360), (29, 50408), (32, 50444), (36, 50474), (41, 50612), (44, 50642),

Gene: GardenSalsa_88 Start: 52055, Stop: 52666, Start Num: 8

Candidate Starts for GardenSalsa_88:
(Start: 8 @52055 has 5 MA's), (17, 52181), (24, 52334), (25, 52337), (27, 52349), (35, 52454), (39, 52613), (46, 52661),

Gene: GenevaB15_87 Start: 51504, Stop: 52097, Start Num: 8
Candidate Starts for GenevaB15_87:
(Start: 8 @51504 has 5 MA's), (24, 51783), (25, 51786), (27, 51798), (29, 51831), (31, 51858), (32, 51867), (43, 52071), (46, 52092),

Gene: KleverKiS_75 Start: 49130, Stop: 49681, Start Num: 12
Candidate Starts for KleverKiS_75:
(1, 48911), (3, 48983), (5, 48992), (6, 49055), (Start: 8 @49070 has 5 MA's), (Start: 12 @49130 has 2 MA's), (13, 49136), (14, 49145), (16, 49169), (22, 49343), (26, 49364), (29, 49412), (32, 49448), (36, 49478), (41, 49616), (44, 49646),

Gene: Kumao_72 Start: 49482, Stop: 50174, Start Num: 4
Candidate Starts for Kumao_72:
(Start: 4 @49482 has 1 MA's), (10, 49572), (16, 49665), (22, 49827), (24, 49842), (27, 49857), (33, 49938), (42, 50139),

Gene: MrMagoo_88 Start: 52055, Stop: 52666, Start Num: 8
Candidate Starts for MrMagoo_88:
(Start: 8 @52055 has 5 MA's), (17, 52181), (24, 52334), (25, 52337), (27, 52349), (35, 52454), (39, 52613), (46, 52661),

Gene: PegLeg_77 Start: 49391, Stop: 49933, Start Num: 12
Candidate Starts for PegLeg_77:
(1, 49172), (3, 49244), (5, 49253), (6, 49316), (Start: 8 @49331 has 5 MA's), (Start: 12 @49391 has 2 MA's), (13, 49397), (14, 49406), (16, 49430), (22, 49604), (26, 49625), (29, 49673), (32, 49709), (36, 49739), (41, 49877), (44, 49907),

Gene: Reindeer_79 Start: 50345, Stop: 50923, Start Num: 8
Candidate Starts for Reindeer_79:
(Start: 8 @50345 has 5 MA's), (11, 50363), (21, 50600), (22, 50609), (23, 50621), (24, 50624), (27, 50639), (30, 50693), (35, 50720), (40, 50864), (45, 50906), (46, 50918),

Gene: RoseMarie_83 Start: 52812, Stop: 53417, Start Num: 8
Candidate Starts for RoseMarie_83:
(Start: 8 @52812 has 5 MA's), (9, 52818), (15, 52893), (18, 52962), (22, 53085), (23, 53097), (26, 53106), (28, 53133), (29, 53154), (36, 53220), (38, 53307),

Gene: Towmatter_113 Start: 70879, Stop: 71619, Start Num: 7
Candidate Starts for Towmatter_113:
(2, 70783), (Start: 7 @70879 has 2 MA's), (19, 71077), (20, 71140), (26, 71173), (27, 71182), (34, 71275), (37, 71374), (47, 71551), (48, 71608),

Gene: TpudiCK_80 Start: 49650, Stop: 50192, Start Num: 12
Candidate Starts for TpudiCK_80:
(1, 49431), (3, 49503), (5, 49512), (6, 49575), (Start: 8 @49590 has 5 MA's), (Start: 12 @49650 has 2 MA's), (13, 49656), (14, 49665), (16, 49689), (22, 49863), (26, 49884), (29, 49932), (32, 49968), (36, 49998), (41, 50136), (44, 50166),