

Supplementary Materials

Table legends:

Table S1.

The genome sequence details of the phages used to construct the phylogenetic tree presented in Fig. 1.

Table S2.

Clinical isolate number, phage, and antibiotic susceptibility. S – Susceptible, I – Intermediate, R – Resistant, SLST type

Table S3.

Daily scoring and photography of 17 control and 17 phage-treated mice for 8 days. L- left lesion, R- right lesion. Diameter score was calculated based on diameter measured using an electronic caliper. Elevation and eschar scores were assessed by two different blinded scorers. Total score was summed. For more details, refer to the Assessment of Phage Clinical Efficacy section in Materials and Methods and Fig. 6.

Table S4.

List of primers used in this study

Tables:

Table S1:

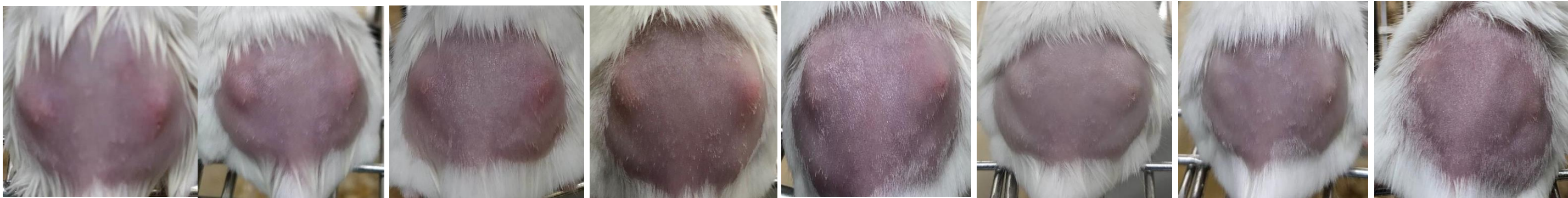
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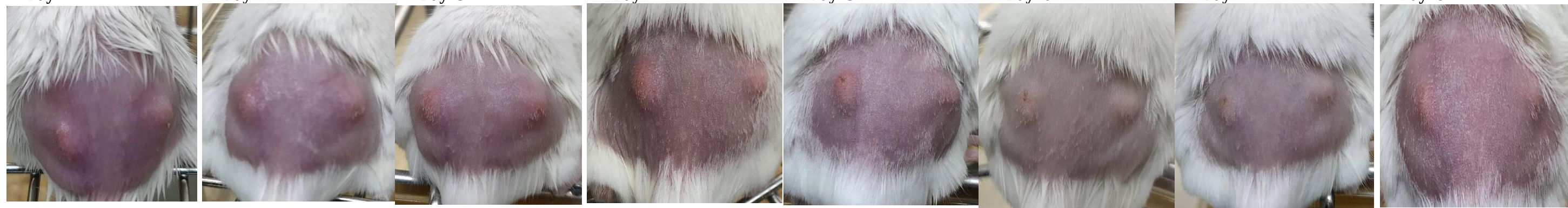
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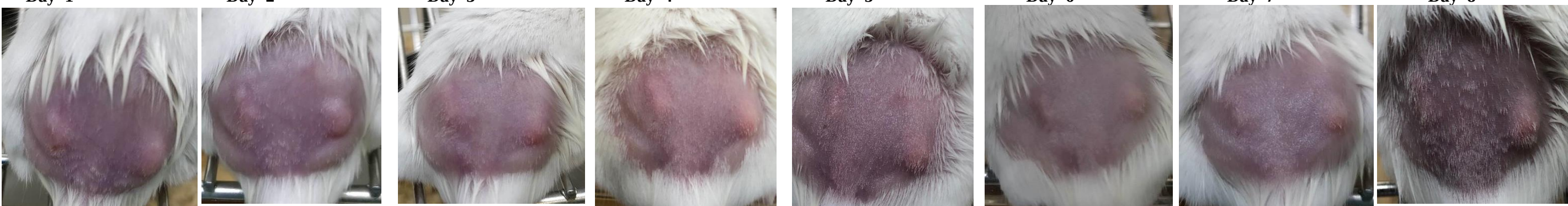
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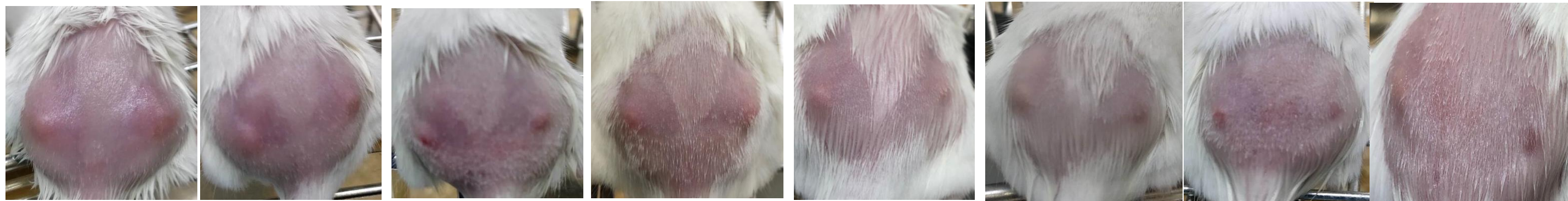
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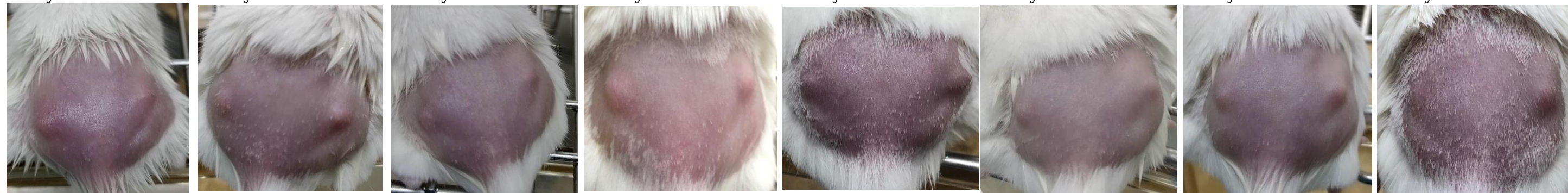
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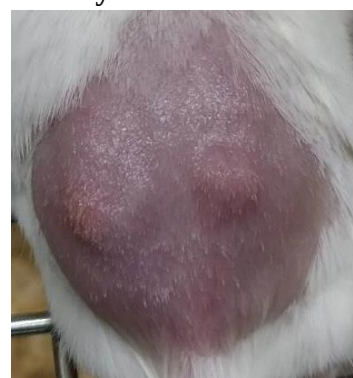
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# Animal :																	
Diameter Score	measured	L	R	L	R	L	R	L	R	L	R	L	R	L	R	L	R
		2	2	1	1	2	2	2	2	2	2	2	2	2	1	1	2
Elevation Score	first scorer	1	1	1	1	1	1	2	2	1	1	1	1	1	1	0	1
	second scorer	2	2	1	1	2	1	1	2	1	1	1	1	0	1	0	1
Eschar Score	first scorer	0	0	0	1	0	0	0	0	0	1	0	0	0	1	0	0
	second scorer	0	0	0	1	0	0	0	0	0	1	0	1	0	0	0	0
Total Score	averaged	3.5	3.5	2	3	3.5	3	3.5	4	3	4	3	3.5	2.5	2.5	1	3

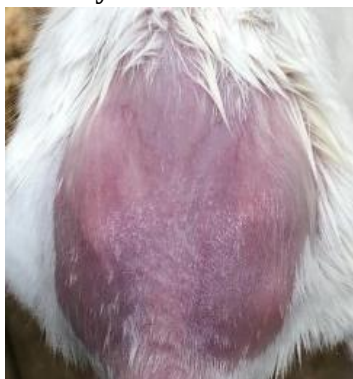
		Day 1		Day 2		Day 3		Day 4		Day 5		Day 6		Day 7		Day 8	
# Animal :																	
Diameter Score	measured	L	R	L	R	L	R	L	R	L	R	L	R	L	R	L	R
		2	3	2	2	3	2	3	1	3	2	2	1	2	2	1	1
Elevation Score	first scorer	2	2	2	2	2	2	2	1	2	1	1	1	1	1	1	1
	second scorer	2	2	2	2	2	2	2	2	1	1	1	1	2	1	2	1
Eschar Score	first scorer	0	0	0	0	0	0	0	0	1	0	1	0	1	0	0	0
	second scorer	0	0	0	0	0	0	0	0	1	0	1	0	1	0	0	0
Total Score	averaged	4	5	4	4	5	4	5	2.5	5.5	3	4	2	4.5	3	2.5	2

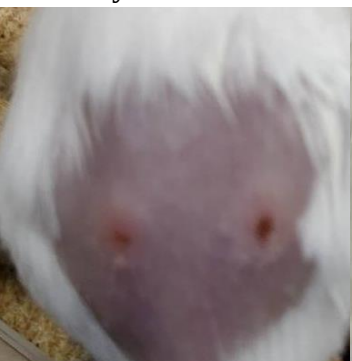
		Day 1		Day 2		Day 3		Day 4		Day 5		Day 6		Day 7		Day 8	
# Animal :																	
Diameter Score	measured	L	R	L	R	L	R	L	R	L	R	L	R	L	R	L	R
		2	2	2	2	2	2	2	2	2	3	2	2	2	1	1	2
Elevation Score	first scorer	1	2	1	2	1	2	1	2	0	1	1	1	1	1	1	1
	second scorer	1	2	1	2	1	2	1	2	0	2	1	2	2	2	0	2
Eschar Score	first scorer	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
	second scorer	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Total Score	averaged	3	4	3	4	3	4	3	4	3	4.5	3	3.5	3.5	2.5	1.5	3.5

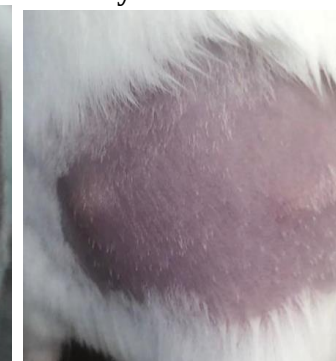
		Day 1		Day 2		Day 3		Day 4		Day 5		Day 6		Day 7		Day 8	
# Animal :																	
Diameter Score	measured	L	R	L	R	L	R	L	R	L	R	L	R	L	R	L	R
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1
Elevation Score	first scorer	2	2	1	1	1	1	1	1	1	1	1	1	0	1	0	0
	second scorer	2	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1
Eschar Score	first scorer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	second scorer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Score	averaged	4	3.5	3	3	3	3	3	3	3	3	3	3	2.5	2.5	1.5	1.5

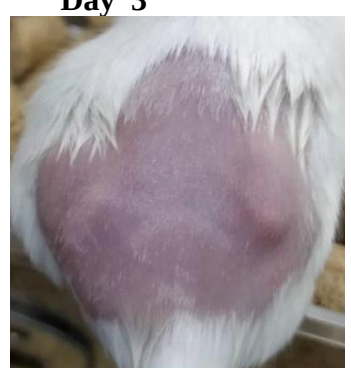
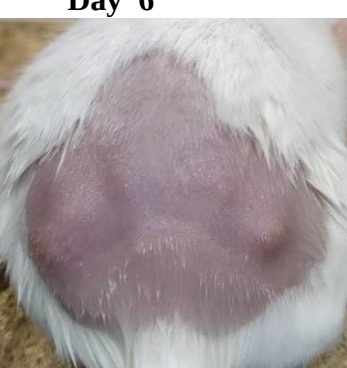
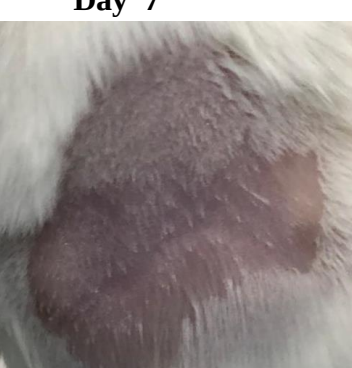
		Day 1		Day 2		Day 3		Day 4		Day 5		Day 6		Day 7		Day 8	
# Animal :																	
Diameter Score	measured	L	R	L	R	L	R	L	R	L	R	L	R	L	R	L	R
		2	2	2	2	1	1	1	1	2	2	2	2	2	2	2	2
Elevation Score	first scorer	1	1	1	2	1	2	2	2	1	2	1	1	2	2	1	1
	second scorer	2	1	1	1	1	1	2	2	2	1	2	2	1	1	1	2
Eschar Score	first scorer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	second scorer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Score	averaged	3.5	3	3	3.5	2	2.5	3	3	3.5	3.5	3.5	3.5	3.5	3.5	3	3.5

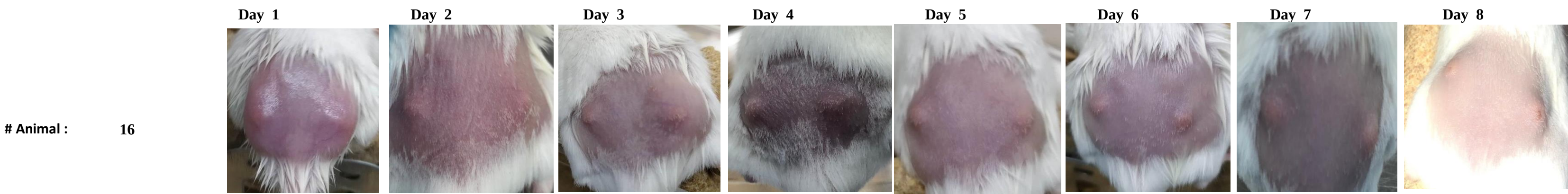
		Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7	Day 8								
# Animal :	11																
Diameter Score	measured	L	R	L	R	L	R	L	R	L	R	L	R	L	R	L	R
Elevation Score	first scorer	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3
	second scorer	2	3	1	2	2	2	2	3	2	2	2	2	2	2	2	3
Eschar Score	first scorer	3	3	2	1	2	2	3	3	1	2	1	2	2	2	2	2
	second scorer	0	0	0	0	1	0	1	0	0	0	0	0	0	0	1	0
Total Score	averaged	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
		4.5	5	3.5	3.5	5	4	5	6	3.5	4	3.5	4	4	4	4.5	5.5

		Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7	Day 8								
# Animal :	12																
Diameter Score	measured	L	R	L	R	L	R	L	R	L	R	L	R	L	R	L	R
Elevation Score	first scorer	2	2	3	2	3	2	2	2	2	2	2	2	2	2	2	2
	second scorer	2	1	1	2	1	2	2	2	2	1	1	1	3	2	2	1
Eschar Score	first scorer	1	1	1	2	1	2	1	2	2	2	2	2	1	2	2	1
	second scorer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Score	averaged	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		3.5	3	4	4	4	4	3.5	4	4	3.5	3.5	3.5	4.5	3.5	4	3

		Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7	Day 8								
# Animal :	13																
Diameter Score	measured	L	R	L	R	L	R	L	R	L	R	L	R	L	R	L	R
Elevation Score	first scorer	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2
	second scorer	2	2	2	1	2	2	2	1	2	2	2	1	1	1	1	1
Eschar Score	first scorer	2	1	1	1	2	2	1	1	3	2	2	1	1	1	1	1
	second scorer	0	0	0	0	0	0	0	0	0	0	0	1	1	2	1	2
Total Score	averaged	0	0	0	0	0	0	0	0	0	0	0	1	1	2	1	2
		4	3.5	3.5	3	4	4	3.5	3	4.5	4	4	4	4	5	3	5

		Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7	Day 8								
# Animal :	14																
Diameter Score	measured	L	R	L	R	L	R	L	R	L	R	L	R	L	R	L	R
Elevation Score	first scorer	2	2	2	2	2	3	2	3	2	3	3	3	2	3	2	3
	second scorer	0	0	1	1	1	1	2	1	1	1	2	1	0	1	1	0
Eschar Score	first scorer	0	1	1	2	1	1	1	2	2	2	1	1	1	1	1	1
	second scorer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Score	averaged	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		2	2.5	3	3.5	3	4	3.5	4.5	3.5	4.5	4.5	4	2.5	4	3	3.5

		Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7	Day 8								
# Animal :	15																
Diameter Score	measured	L	R	L	R	L	R	L	R	L	R	L	R	L	R	L	R
Elevation Score	first scorer	1	2	2	2	2	2	1	1	1	1	1	2	1	2	1	2
	second scorer	2	2	1	1	1	2	1	1	2	1	2	1	1	1	1	1
Eschar Score	first scorer	2	2	0	1	1	2	2	1	2	2	2	2	1	1	1	1
	second scorer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Score	averaged	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		3	4	2.5	3	3	4	3.5	3	3	2.5	3	3.5	2	3	2	3



Diameter Score	measured	L	R	L	R	L	R	L	R	L	R	L	R	L	R	L	R
		2	2	2	1	2	2	2	2	2	2	1	2	2	2	1	2
Elevation Score	first scorer	1	2	1	1	1	2	1	2	1	1	1	1	1	1	1	1
	second scorer	2	2	1	1	1	1	2	1	1	1	1	1	2	2	0	1
Eschar Score	first scorer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2
	second scorer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Total Score	averaged	3.5	4	3	2	3	3.5	3.5	3.5	3	3	2	3	3.5	3.5	2.5	4.5

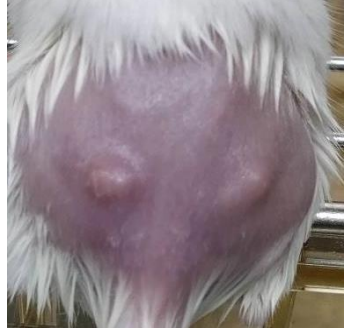
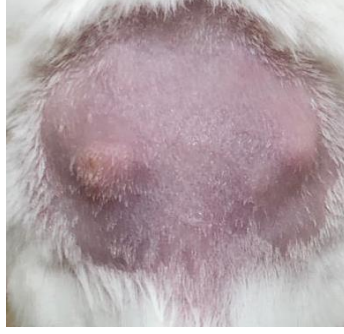


Diameter Score	measured	L	R	L	R	L	R	L	R	L	R	L	R	L	R	L	R
		2	1	3	2	2	2	3	2	2	2	2	3	1	2	2	2
Elevation Score	first scorer	1	1	1	0	1	1	1	1	2	2	2	2	1	2	1	2
	second scorer	1	2	2	1	2	2	1	1	1	1	1	1	2	2	2	2
Eschar Score	first scorer	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	second scorer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Score	averaged	3	3	5	2.5	3.5	3.5	4	3	3.5	3.5	3.5	4.5	2.5	4	3.5	4

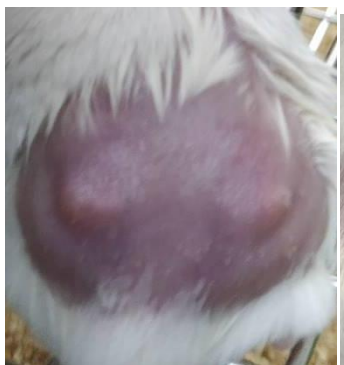
Phage-treated group

		Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7	Day 8
# Animal :	1								

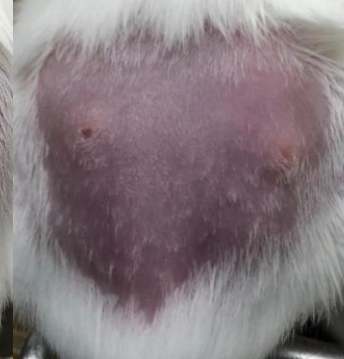
		L	R	L	R	L	R	L	R	L	R	L	R	L	R
Diameter Score	measured	1	2	2	1	2	2	1	1	1	0	1	0	1	0
Elevation Score	first scorer	1	1	2	0	1	0	1	1	0	0	1	1	1	0
	second scorer	2	2	1	0	1	0	0	0	1	0	1	1	1	1
Eschar Score	first scorer	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	second scorer	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Score	averaged	2.5	3.5	3.5	1	3	2	1.5	1.5	1.5	0	2	1	2	0.5

		Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7	Day 8
# Animal :	2								

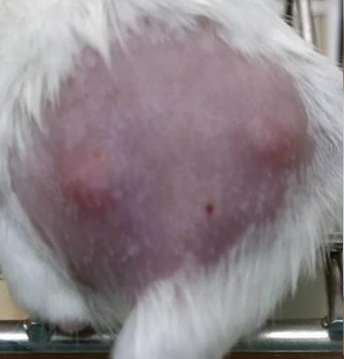
		L	R	L	R	L	R	L	R	L	R	L	R	L	R
Diameter Score	measured	3	1	2	1	2	1	2	1	2	1	1	1	1	1
Elevation Score	first scorer	2	2	2	1	2	2	2	1	2	1	1	2	1	1
	second scorer	2	2	2	2	2	1	2	2	2	2	1	1	1	1
Eschar Score	first scorer	0	0	0	0	0	0	1	0	0	0	0	0	0	0
	second scorer	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Score	averaged	5	3	4	2.5	4	2.5	4.5	2.5	4.5	2.5	4	2.5	2	2

		Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7	Day 8
# Animal :	3								

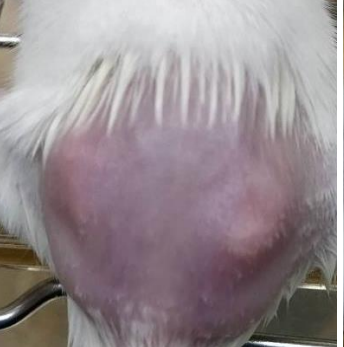
		L	R	L	R	L	R	L	R	L	R	L	R	L	R
Diameter Score	measured	3	2	2	1	2	1	1	1	1	1	1	1	1	0
Elevation Score	first scorer	2	2	1	1	1	1	1	1	0	1	1	1	1	0
	second scorer	2	2	0	1	1	0	1	1	1	1	1	0	1	1
Eschar Score	first scorer	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	second scorer	0	0	0	0	0	0	1	0	0	1	0	0	0	0
Total Score	averaged	5	4	2.5	2	3	1.5	1.5	2.5	2	1.5	2.5	2.5	2	0.5

		Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7	Day 8
# Animal :	4								

		L	R	L	R	L	R	L	R	L	R	L	R	L	R
Diameter Score	measured	2	2	2	2	1	2	1	2	1	1	2	2	1	1
Elevation Score	first scorer	1	1	0	2	1	1	1	1	2	1	1	1	1	1
	second scorer	2	1	1	2	0	1	1	1	1	2	1	1	0	1
Eschar Score	first scorer	2	1	1	0	1	0	1	0	1	0	2	0	0	1
	second scorer	1	1	2	0	2	0	1	0	2	1	1	0	0	0
Total Score	averaged	5	4	4	4	3	3	3	3	4	2.5	4.5	4.5	2.5	2.5

		Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7	Day 8
# Animal :	5								

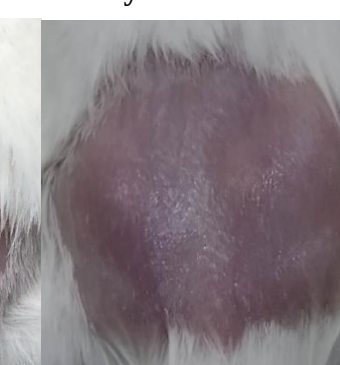
		L	R	L	R	L	R	L	R	L	R	L	R	L	R
Diameter Score	measured	2	1	2	1	2	2	2	1	2	2	2	2	1	0
Elevation Score	first scorer	2	2	2	1	2	1	2	1	2	2	1	1	1	1
	second scorer	2	2	1	1	2	1	1	0	2	2	1	1	0	0
Eschar Score	first scorer	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	second scorer	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Score	averaged	4	3	3.5	2	4	3	3.5	1.5	4	2.5	4	3.5	3	0.5

		Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7	Day 8
# Animal :	6								

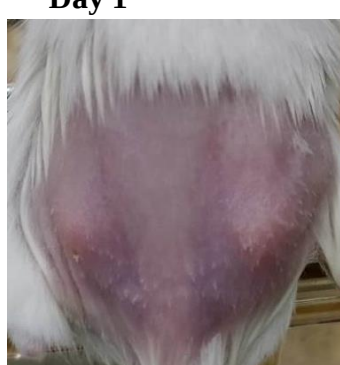
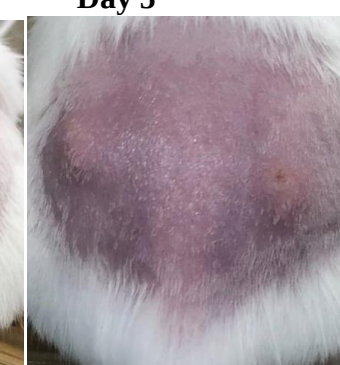
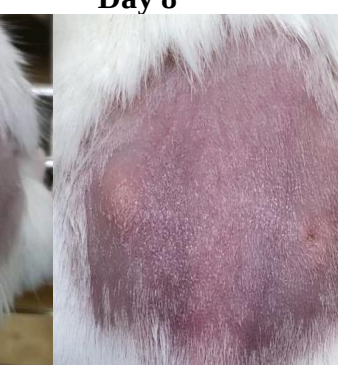
		L	R	L	R	L	R	L	R	L	R	L	R	L	R
Diameter Score	measured	2	2	2	2	2	3	1	2	1	2	1	2	1	2
Elevation Score	first scorer	2	1	1	2	0	2	1	2	2	2	1	1	0	0
	second scorer	1	2	0	1	1	1	0	1	1	1	2	1	0	1
Eschar Score	first scorer	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	second scorer	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Score	averaged	3.5	3.5	2.5	3.5	2.5	4.5	1.5	3.5	2.5	3.5	2	3.5	1.5	2.5

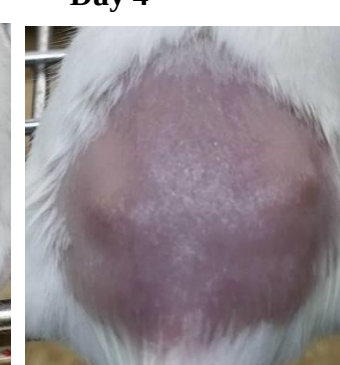
		Day 1		Day 2		Day 3		Day 4		Day 5		Day 6		Day 7		Day 8	
# Animal :																	
		L	R	L	R	L	R	L	R	L	R	L	R	L	R	L	R
Diameter Score	measured	2	1	2	1	2	1	1	1	1	1	1	2	1	2	1	1
Elevation Score	first scorer	2	2	0	2	1	2	0	1	1	1	1	1	1	0	1	1
	second scorer	1	1	1	1	1	1	1	2	1	1	1	2	1	0	1	0
Eschar Score	first scorer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	second scorer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Score	averaged	3.5	2.5	2.5	2.5	3	2.5	1.5	2.5	2	2	2	3.5	2	2	2	1.5

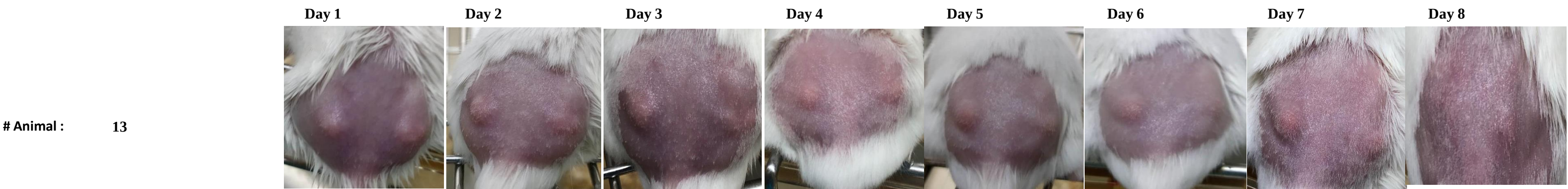
		Day 1		Day 2		Day 3		Day 4		Day 5		Day 6		Day 7		Day 8	
# Animal :																	
		L	R	L	R	L	R	L	R	L	R	L	R	L	R	L	R
Diameter Score	measured	1	2	2	2	2	2	2	2	1	1	1	2	1	1	1	1
Elevation Score	first scorer	1	2	2	1	2	1	1	2	1	1	1	1	1	1	1	1
	second scorer	1	2	1	1	1	1	1	1	1	0	1	2	0	1	1	2
Eschar Score	first scorer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	second scorer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Score	averaged	2	4	3.5	3	3.5	3	3	3.5	2	1.5	2	3.5	1.5	2	2	2.5

		Day 1		Day 2		Day 3		Day 4		Day 5		Day 6		Day 7		Day 8	
# Animal :																	
		L	R	L	R	L	R	L	R	L	R	L	R	L	R	L	R
Diameter Score	measured	1	2	2	2	1	3	1	2	1	1	1	2	1	2	1	2
Elevation Score	first scorer	2	2	0	2	1	2	1	1	1	0	1	1	1	1	1	1
	second scorer	1	1	0	1	1	1	2	2	2	1	0	1	1	1	1	1
Eschar Score	first scorer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	second scorer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Score	averaged	2.5	3.5	2	3.5	2	4.5	2.5	3.5	2.5	1.5	1.5	3	2	3	2	3

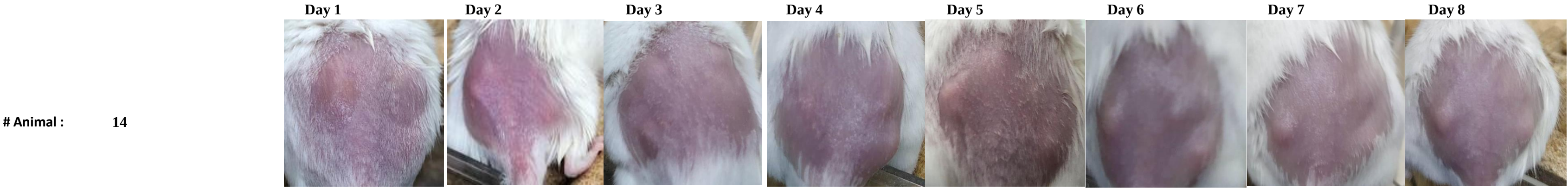
		Day 1		Day 2		Day 3		Day 4		Day 5		Day 6		Day 7		Day 8	
# Animal :																	
		L	R	L	R	L	R	L	R	L	R	L	R	L	R	L	R
Diameter Score	measured	2	3	1	2	2	2	1	2	2	2	1	2	1	2	1	2
Elevation Score	first scorer	2	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1
	second scorer	2	1	2	2	1	1	1	1	1	0	1	1	1	1	1	1
Eschar Score	first scorer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	second scorer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Score	averaged	4	4	3	4	3	3	2	3	3	2.5	2	3	2	3	2	3

		Day 1		Day 2		Day 3		Day 4		Day 5		Day 6		Day 7		Day 8	
# Animal :																	
		L	R	L	R	L	R	L	R	L	R	L	R	L	R	L	R
Diameter Score	measured	2	2	2	2	2	2	1	1	1	0	2	1	1	1	1	0
Elevation Score	first scorer	1	0	1	0	0	1	1	0	0	0	1	1	0	1	1	0
	second scorer	2	1	0	1	1	1	1	1	1	1	1	1	1	1	1	0
Eschar Score	first scorer	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
	second scorer	0	0	0	0	1	0	0	0	0	1	0	1	0	1	0	1
Total Score	averaged	3.5	2.5	2.5	2.5	3	3	2	1.5	1.5	1	3	3	1.5	2.5	2	0.5

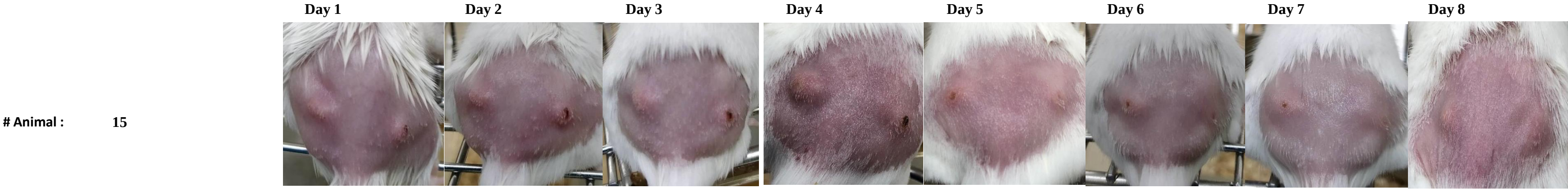
		Day 1		Day 2		Day 3		Day 4		Day 5		Day 6		Day 7		Day 8	
# Animal :																	
		L	R	L	R	L	R	L	R	L	R	L	R	L	R	L	R
Diameter Score	measured	3	2	2	2	3	2	2	1	2	1	2	1	1	0	1	1
Elevation Score	first scorer	2	2	2	1	2	1	1	2	2	2	2	1	2	1	1	1
	second scorer	3	3	2	1	2	1	2	1	2	1	2	1	1	0	1	1
Eschar Score	first scorer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	second scorer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Score	averaged	5.5	4.5	4	3	5	3	3.5	2.5	4	2.5	4	2	2.5	0.5	2	2



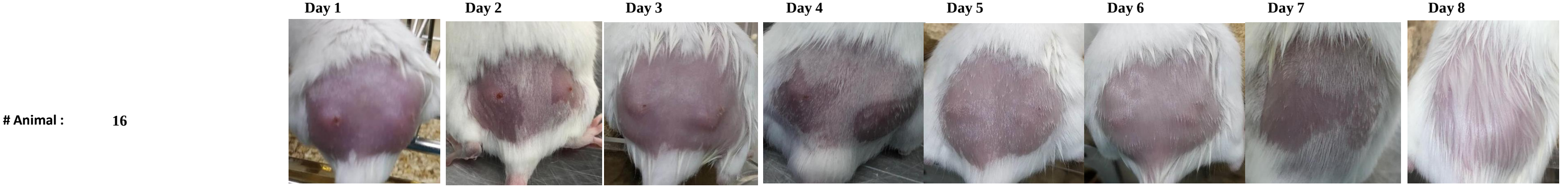
Diameter Score	measured	L	R	L	R	L	R	L	R	L	R	L	R	L	R
		2	2	2	2	3	2	2	1	2	1	2	0	2	0
Elevation Score	first scorer	1	1	1	1	2	1	2	1	2	1	1	1	1	0
	second scorer	2	2	1	1	2	1	2	1	2	1	1	0	0	1
Eschar Score	first scorer	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	second scorer	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Score	averaged	3.5	3.5	3	3	5	3	4	2	4	2	3	0.5	3	0.5



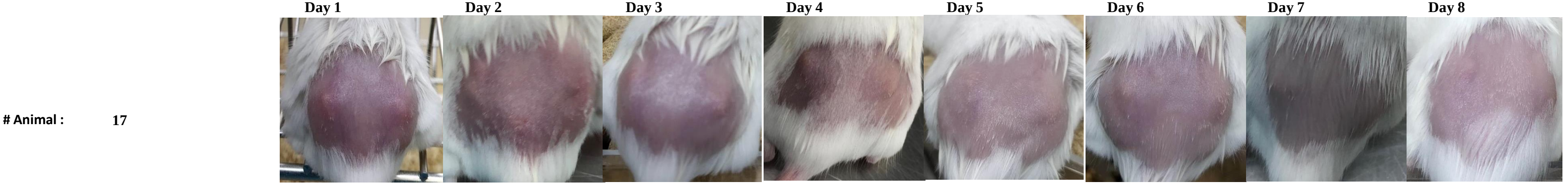
Diameter Score	measured	L	R	L	R	L	R	L	R	L	R	L	R	L	R
		1	2	1	2	1	0	1	0	2	1	2	2	1	1
Elevation Score	first scorer	1	0	1	0	0	0	1	1	2	1	2	1	2	0
	second scorer	0	0	1	0	0	0	0	0	1	1	2	1	2	1
Eschar Score	first scorer	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	second scorer	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Score	averaged	1.5	2	2	2	1	0	1.5	0.5	3.5	2	3.5	3	4	1.5



Diameter Score	measured	L	R	L	R	L	R	L	R	L	R	L	R	L	R
		2	2	2	2	3	1	2	1	2	2	2	1	2	1
Elevation Score	first scorer	2	1	2	2	2	1	2	1	1	1	1	0	1	0
	second scorer	2	1	2	2	2	1	2	1	1	1	1	1	1	1
Eschar Score	first scorer	0	1	0	2	0	2	0	1	1	0	1	0	0	0
	second scorer	0	2	0	2	0	2	0	2	0	2	0	1	0	0
Total Score	averaged	4	4.5	4	6	5	4	4	4	4.5	2.5	4.5	3	4	1.5



Diameter Score	measured	L	R	L	R	L	R	L	R	L	R	L	R	L	R
		3	2	2	1	2	1	0	0	1	1	1	0	0	0
Elevation Score	first scorer	1	1	1	1	1	1	0	0	0	0	0	0	0	0
	second scorer	1	1	0	1	1	1	0	0	0	0	0	0	0	0
Eschar Score	first scorer	2	0	2	1	1	1	1	0	0	0	0	0	0	0
	second scorer	2	0	2	2	1	0	1	0	0	0	0	0	0	0
Total Score	averaged	6	3	4.5	3.5	4	2.5	1	0	1	1	1	0	0	0



Diameter Score	measured	L	R	L	R	L	R	L	R	L	R	L	R	L	R
		2	2	2	2	2	2	2	1	2	1	1	1	1	1
Elevation Score	first scorer	2	2	2	1	1	1	1	1	1	1	1	1	1	0
	second scorer	2	2	1	1	1	1	1	1	1	1	1	1	1	0
Eschar Score	first scorer	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	second scorer	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Score	averaged	4	4	3.5	3	3	3	3	2	3	2	3.5	2	2	1

Table S4:

Gene	Forword	Revrese	Source	Identifer
18S	CGG CTA CCA CAT CCA AGG AA	GGG CCT CGA AAG AGT CCT GTA T	This paper	N/A
CXCL2	TGA ACA AAG GCA AGG CTA ACT	CAG GTA CGA TCC AGG CTT CC	This paper	N/A
TNF- alpha	CCC AGG GAC CTC TCT CTA ATC A	AGC TGC CCC TCA GCT TGA G	This paper	N/A
IL1- beta	CCA CAG ACC TTC CAG GAG AAT G	GTG CAG TTC AGT GAT CGT ACA GG	This paper	N/A
IL-6	AGT TGC CTT CTT GGG ACT G	CAG AAT TGC CAT TGC ACA A	This paper	N/A
IL-17	CAC TTT GCC TCC CAG ATC AC	ACC AAT CCC AAA AGG TCC TC	This paper	N/A

Figure Legend:

Fig. S1. *C. acnes* molecular typing in 36 clinical isolates: (A) SLST types and (B) Phylotypes (traditional typing).

Fig. S2. - Example of a phage susceptibility assay on strain 19 (A) and on strain 15 (B). Comparing single phages: FD1, FD3, PAVL45 to a cocktail containing a combination of all three phages together in growth kinetics on *C. acnes* strain 27 (C).

Fig. S3. Assessment of the ability of FD3 phages to penetrate the uninjured skin of mice. Skin fragments of sacrificed mice were sampled *ex-vivo*. Drops of saline or FD3 phage were spotted on the skin fragments or on pieces of parafilm. After incubation of 24 hours, the liquid medium was filtered through a 0.22 µm filter, and PFU was assessed

Fig. S4. Histological score. The score was created based on four biopsies from each group of mice. The area was calculated using ImageJ (1.53) and a score was calculated based on the

pathological report. Averaging and combining the histological and clinical scores resulted in the Combined Histological and Clinical Score (See also Fig. 5).

Fig. S5. Flow cytometry summery at various timepoints.

Flow cytometry analysis. No significant difference in %Monocytes in the tissue was found between different time points in the phage group and between the phage group and the control group. Data is presented as mean $\pm$ SD. All three time points tested are presented, at time point 3 and 5, 3 mice were sacrificed and at the final time point, 5 mice were sacrificed.

Figures:

Fig. S1:

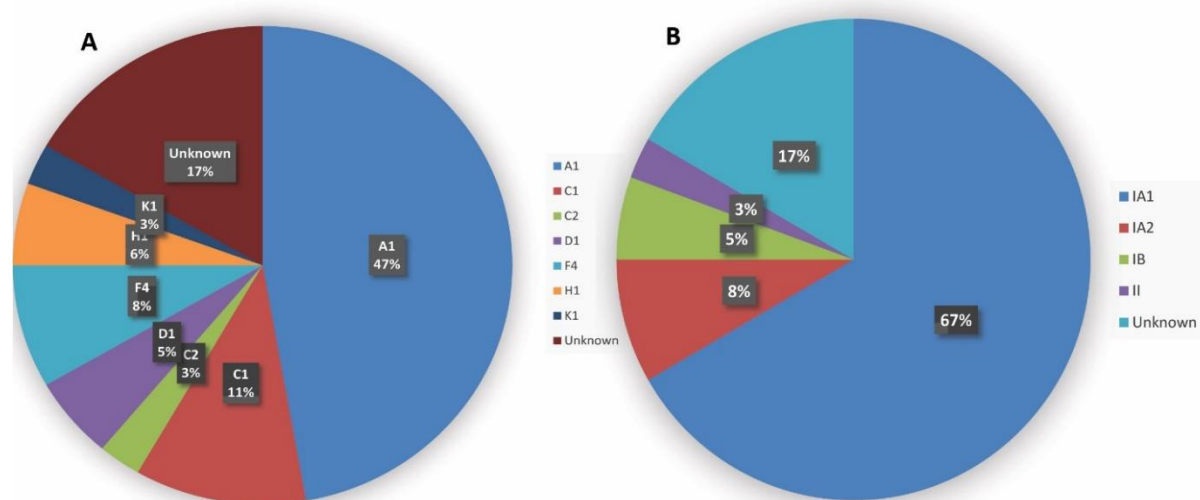


Fig. S2:

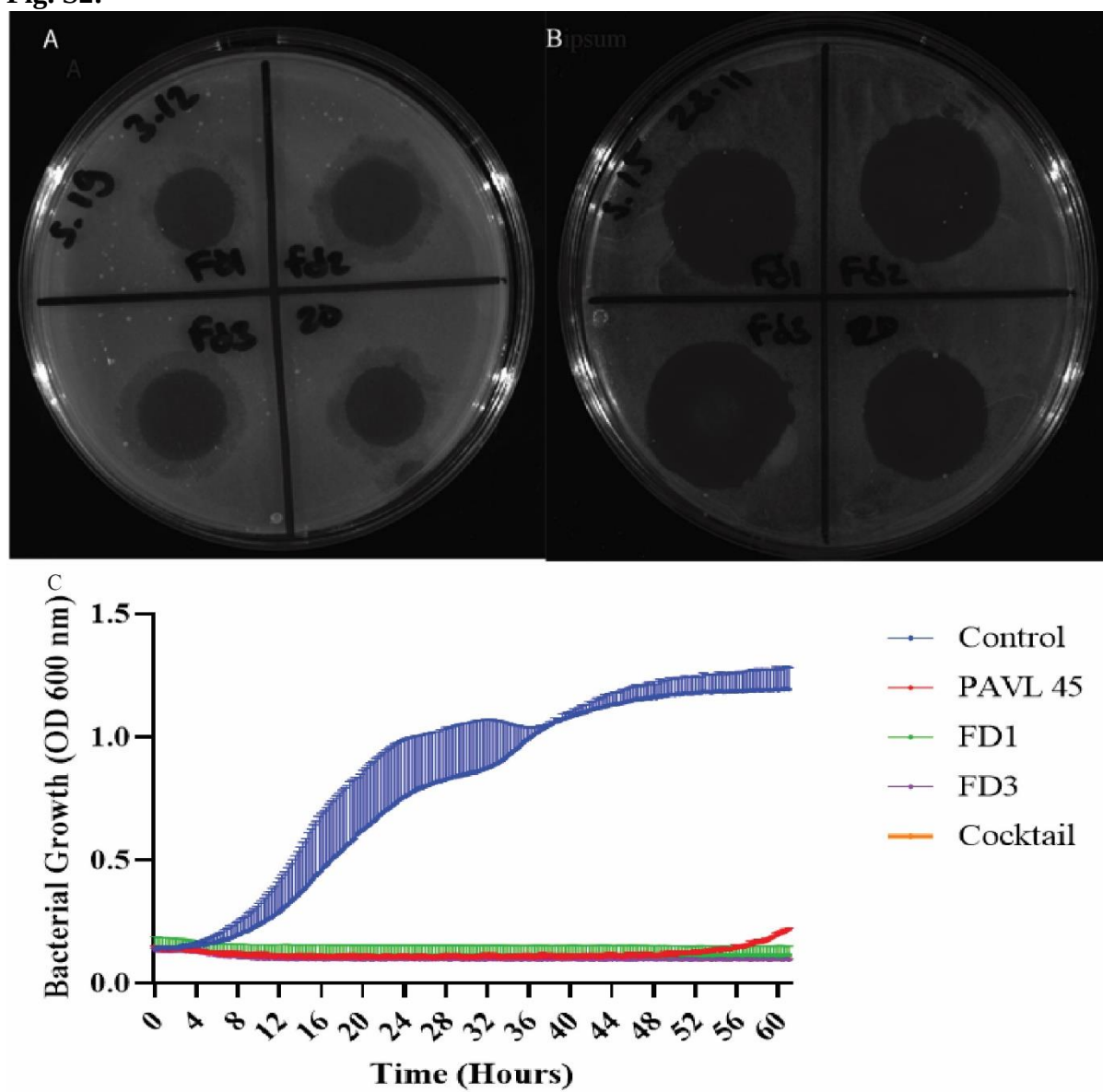


Fig. S3:

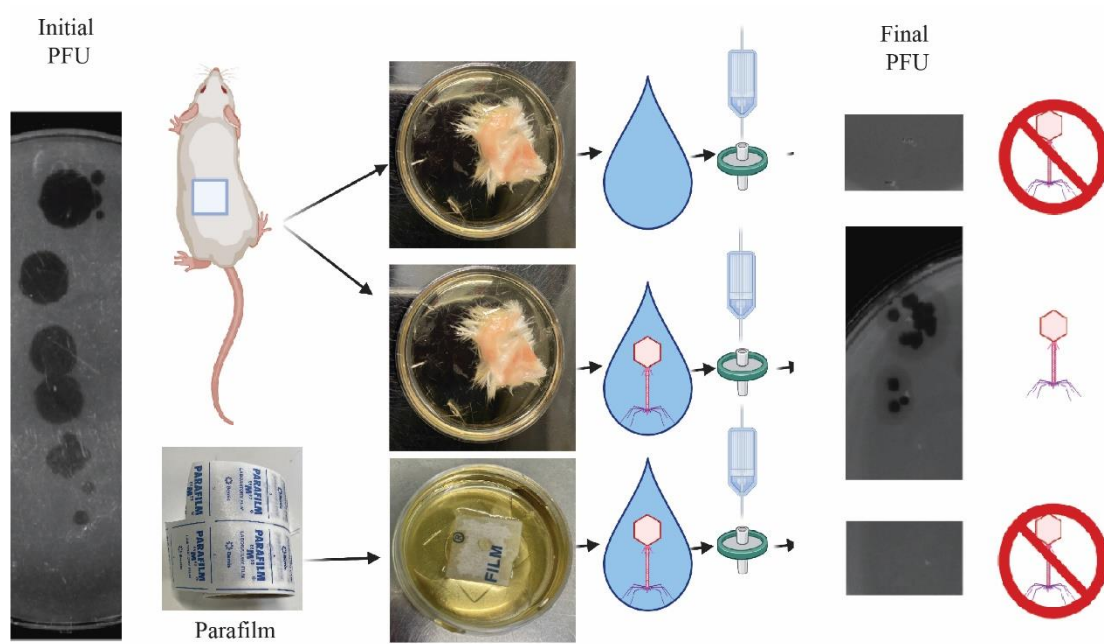


Fig. S4:

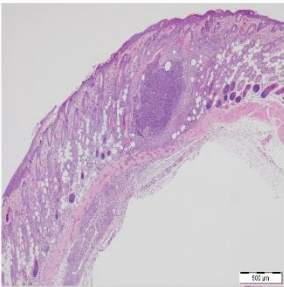
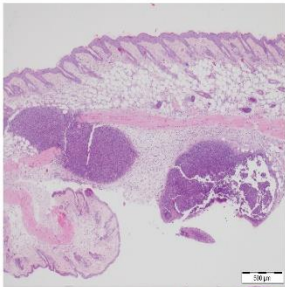
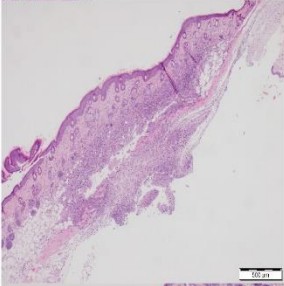
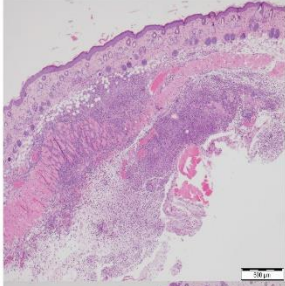
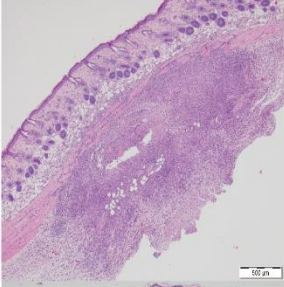
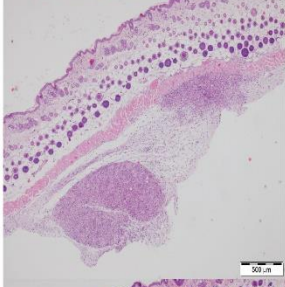
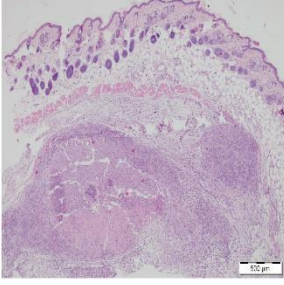
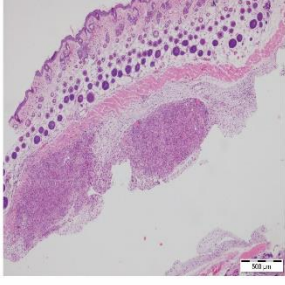
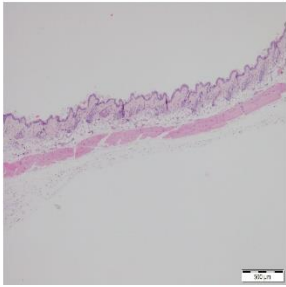
Control Group				Phage Treated Group			
#sample	Histology	Score	Area (mm ²)	#sample	Histology	Score	Area (mm ²)
A		2	0.68	A		1	0.72
B		2	0.852	B		2	0.612
C		3	3.3	C		1	0.71
D		2	2.3	D		1	0.541
Average		2.25	1.753	Average		1.25	0.6458
Not infected				Score = 0			
							

Fig. S5:

