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SUPPLEMENTARY INFORMATION

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Standardized bacteriophage purification for personalized phage therapy

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Supplemental Table 1. Bacteriophage cultivation and purification titers and endotoxin units after each production process.

		Sterile Phage Lysate (Steps 84-92; mL^{-1})		**Cross-Flow Filtration** (Steps 93-105; mL^{-1})		**Density Gradient Ultracentrifugation & Dialysis** (Steps 106-120; mL^{-1})		**LPS-affinity Chromatography** (Steps 121-134; mL^{-1})	
Phage Strain*	**Bacterial Host**	**PFU**†	**EU**‡	**PFU**	**EU**	**PFU**	**EU**	**PFU**	**EU**
PAK_P1	*P. aeruginosa*	2.04×10^{10}	2.09×10^{5}	2.13×10^{11}	29.14	5.19×10^{11}	42.77	5.78×10^{10}	4.49
PAK_P5	*P. aeruginosa*	4.33×10^{10}	5.84×10^{4}	2.00×10^{12}	39.48	2.30×10^{12}	39.91	4.00×10^{11}	4.30
E217	*P. aeruginosa*	3.05×10^{10}	1.94×10^{5}	1.14×10^{11}	37.08	2.00×10^{11}	40.61	1.89×10^{11}	5.26
PYO2	*P. aeruginosa*	2.50×10^{10}	1.35×10^{4}	3.67×10^{12}	39.38	2.81×10^{12}	35.83	4.00×10^{12}	5.05
JG265	*K. oxytoca*	1.00×10^{9}	4.98×10^{5}	1.20×10^{10}	55.67	2.50×10^{10}	ND†	1.30×10^{10}	24.10
JG266	*K. oxytoca*	2.00×10^{9}	5.43×10^{5}	9.00×10^{9}	60.58	4.00×10^{9}	ND	2.00×10^{9}	17.30
SM219	*S. marcescens*	1.60×10^{9}	5.16×10^{5}	5.00×10^{10}	37.22	8.50×10^{10}	33.84	2.90×10^{10}	18.85

* GenBank Accession #: PAK_P1, KC862297.1; PAK_P5, KC862301.1; E217, MF490240; PYO2, MF490236.
† PFU (plaque forming units) determined by Step 20 option B; ND (not determined)
‡ EU (endotoxin units) determined by the Pierce™ LAL chromogenic endotoxin quantitation Steps 135-143.