

Table S2. Primer sets used for virulence and biofilm capacity factors in *Pseudomonas aeruginosa* strains isolated from clinical cases in Poland.

Gene Name	Encoded Virulence Factor	Function	Primer Sequence	Melting Temperature (°C)	Annealing Temperature (°C)	Product size	Reference
<i>toxA</i>	Exotoxin A	Protein synthesis inhibition	F: 5' GGTAACCAGCTCAGCCACAT 3'	53,8	50	352 bp	[10]
			R: 5' TGATGTCCAGGTCATGCTTC 3'	51,8			
<i>exoU</i>	Exotoxin U	Anti-phagocytosis	F: 5' CTCAATGTACTCCCACGCATAG 3'	54,8	52	406 bp	[41]
			R: 5' CATCCTGGAATTCTGTCCACTC 3'	54,8			
<i>exoT</i>	Exotoxin T	Interference with host cellular immunity	F: 5' GCCGAGATCAAGCAGATGAT 3'	51,8	55	1155 bp	
			R: 5' GACAGGCTCGCCCTTTAC 3'	52,6			
<i>exoS</i>	Exotoxin S	Anti-phagocytosis	F: 5' CTTGAAGGGACTCGACAAGG 3'	53,8	50	504 bp	[42]
			R: 5' TTCAGGTCCGCGTAGTGAAT 3'	51,8			
<i>lasB</i>	Elastase B	Damaging tissue components	F: 5' GGGAATGAACGAAGCGTTCTC 3'	51,8	49	300 bp	[43]
				55,9			

			R: 5' GGTCCAGTAGTAGCGGTTGG 3'				
<i>plcN</i>	Phospholipase C (N)	Damaging tissue components	F: 5' GTTATCGCAACCAGCCCTAC 3'	53,8	51	466 bp	[43]
			R : 5' AGGTCGAACACCTGGAACAC 3'	53,8			
<i>plcH</i>	Phospholipase C (H)	Hemolysis	F: 5' GAAGCCATGGGCTACTTCAA 3'	51,8	50	307 bp	[43]
			R: 5' AGAGTGACGAGGAGCGGTAG 3'	55,9			
<i>pIdA</i>	Phospholipase D	Antimicrobial activity	F: 5' TGTCGATCACCACGGATTTC 3'	51,8	50	151 bp	[44]
			R: 5' TATGACTTCGAAACCATGCTCG 3'	53			
<i>aprA</i>	Alkaline protease	Degradation of proteins, interference with the immune system	F: 5' CAGACCCTGACCCACGAGAT 3'	55,9	47	445 bp	[45]
			R: 5' CATTGCCCTTCAACCCG 3'	49,5			
<i>gacA</i>	Response regulator GacA	Regulation of virulence expression	F: 5' CCAGATCGCCCTGATGATCGC 3'	58,3	51	108 bp	[46]
			R: 5' TTCTCGAAGATGCGGTAGCG 3'	53,8			
<i>algD</i>	GDPmannose	Adherence to surfaces	F: 5' ATGCGAATCAGCATCTTTGGT 3'	50,5	48	1310 bp	[47]

	dehydrogenase		R: 5' CTACCAGCAGATGCCCTCGGC 3'	60,2			
<i>pelA</i>	Pel polysaccharide	Intercellular adhesion	F: 5' CCTTCAGCCATCCGT-TCTTCT 3'	53,8	51	118 bp	[48]
			R: 5' TCGCGTACGAA-GTCGACCT 3'	54,4			
<i>endA</i>	DNA-specific endonuclease I	Biofilm spreading	F: 5' GTTTGTAGGCCTTTTCGCCC 3'	53,8	50	237 bp	[49]
			R: 5' GTAGAGCTTCCAGCCGATT 3'	53,8			
<i>oprF</i>	Major porin and structural outer membrane porin OprF precursor	Transmembrane transfer	F: 5' TTAAAAGCTT ATGAAACTGAAGAACACCTTAG 3'	56,7	58	1053 bp	[50]
			R: 5' TATA CTCGAGTTACTTGGCTTCRGCTTCT 3'	60,1			