Table 2. Gene activation in response to implant materials

	Number of more highly expressed genes** in biological processes					
Implant material*	Response to wounding	Regulation of cytokine production	Chemotaxis	Cell adhesion	Endocytosis	Total genes induced****
Ti	76 (4.1E-12)	38 (4.7E-8)	33 (2.5E-10)	94 (4.3E-7)	48 (2.8E-6)	2067
Mg	56 (1.4E-11)	33 (1.4E-10)	24 (2.1E-8)	69 (4.5E-8)	28 (2.2E-5)	1213
PG	66 (4.4E-9)	38 (5.5E-9)	31 (1.1E-9)	94 (9.2E-9)	42 (7.0E-5)	1884
Ti, Mg, PG	49 (2.8E-11)	29 (5.2E-10)	21 (7.7E-8)	55 (2.6E-6)	28 (7.0E-5)	959
Fe***	53 (1.3E-5)	26 (6.3E-4)	25 (1.4E-6)	65 (2.8E-1)	38 (1.8E-4)	1599

*PG, polyglactin; Mg, magnesium; Ti, titanium; Fe, iron. The numbers in parenthesis correspond to the respective P-values. ** DAVID IDs of activated genes identified in the most significantly regulated biological process categories that were identified using the program DAVID*** Data recalculated from [1]; **** A list of all genes showing increased expression is given in the supplementary Table S1