

Supplementary Table 5. List of the top 10 pathway maps enriched based on Metacore analysis.

Pathway Maps	RATIO	-LOG (pValue)	p Value	FDR
Development_Regulation of angiogenesis	6/223	4,37	4,25E-05	2,58E-03
Apoptosis_Anti-Apoptosis mediated by external signals via PI3K/AKT	6/223	4,27	5,43E-05	2,58E-03
Inflammation_IL-10 anti-inflammatory response	3/87	3,90	1,27E-04	4,02E-03
Proliferation_Positive regulation cell proliferation	5/221	3,33	4,64E-04	1,02E-02
Development_Blood vessel morphogenesis	5/228	3,27	5,35E-04	1,02E-02
Chemotaxis	4/137	3,14	7,24E-04	1,15E-02
Inflammation_Jak-STAT Pathway	4/186	2,65	2,25E-03	3,06E-02
Cell adhesion_Leucocyte chemotaxis	4/205	2,49	3,21E-03	3,79E-02
Progesterone signaling	4/214	2,43	3,75E-03	3,79E-02
Signal Transduction_Cholecystokinin signaling	3/106	2,40	3,98E-03	3,79E-02

*P-Values have been obtained through Hypergeometric analysis and corrected by FDR method.