Table 6. Most significant IPA Bio-Functions (BF; P < 0.01) for the C vs. IC profiles in AI, IVF-ET, and SCNT pregnancies

Category	P-value	Nb. of genes
IPA Biofunction in the [C vs. IC] profiles -AI pregnancies-		
Cellular Growth and Proliferation	1,92E-08-1,46E-02	120
Cellular Movement	3,45E-07-1,42E-02	69
Cell Death	1,22E-06-1,5E-02	96
Cellular Development	1,55E-06-1,33E-02	88
Organismal Development	4,65E-06-1,47E-02	65
Tissue Development	1,61E-05-1,4E-02	76
Tumor Morphology	2,79E-05-1,4E-02	26
Cardiovascular System Development and Function	4,25E-05-1,42E-02	44
Organ Development	6,34E-05-1,12E-02	47
Organismal Functions	6,51E-05-1,63E-03	7
Cell Morphology	1,44E-04-1,47E-02	65
Skeletal and Muscular System Development and Function	1,77E-04-1,28E-02	52
Cell-To-Cell Signaling and Interaction	1,82E-04-1,28E-02	41
Connective Tissue Development and Function	1,82E-04-1,35E-02	40
Tissue Morphology	2,39E-04-1,32E-02	26
Organismal Survival	2,87E-04-1,4E-02	48
Organ Morphology	3,2E-04-1,4E-02	23
Reproductive System Development and Function	5,54E-04-1,4E-02	14
Cellular Assembly and Organization	6,62E-04-1,33E-02	30
Hair and Skin Development and Function	6,62E-04-9,28E-03	6
Hepatic System Development and Function	6,62E-04-9,28E-03	6
Gene Expression	8,63E-04-6,29E-03	27
Embryonic Development	9,95E-04-1,4E-02	21
Nervous System Development and Function	9,95E-04-1,28E-02	28
Cell Cycle	1,27E-03-1,51E-02	41
Molecular Transport	1,95E-03-1,35E-02	27
Respiratory System Development and Function	1,95E-03-6,29E-03	11
Small Molecule Biochemistry	1,95E-03-1,35E-02	33
Cellular Function and Maintenance	2,48E-03-1,46E-02	14
DNA Replication, Recombination, and Repair	2,82E-03-2,82E-03	19
Cellular Compromise	3,84E-03-1,27E-02	8
Lipid Metabolism	5,03E-03-1,35E-02	24
Carbohydrate Metabolism	6,29E-03-1,49E-02	1
Drug Metabolism	6,29E-03-6,99E-03	6

Hematological System Development and Function	8,58E-03-8,58E-03	6
Immune and Lymphatic System Development and Function	8,58E-03-8,58E-03	6
IPA Biofunction in the [C vs. IC] profiles -IVF-ET pregnancies-		
Cellular Growth and Proliferation	1,07E-09-5,26E-03	163
Cell Death	2,33E-09-5,45E-03	136
Tissue Development	3,09E-08-5,22E-03	99
Cellular Movement	4,44E-08-3,98E-03	94
Cardiovascular System Development and Function	4,61E-07-4,81E-03	64
Organ Development	4,61E-07-6,03E-04	57
Organismal Development	1,11E-06-4,81E-03	78
Embryonic Development	1,2E-06-4,63E-03	32
Connective Tissue Development and Function	2,25E-06-4,34E-03	41
Skeletal and Muscular System Development and Function	2,25E-06-5,22E-03	73
Cellular Development	4,6E-06-5,82E-03	105
Cell Morphology	2,63E-05-5,48E-03	94
DNA Replication, Recombination, and Repair	5,98E-05-5,98E-05	28
Gene Expression	8,71E-05-3,47E-03	83
Organismal Survival	9,22E-05-5,22E-03	50
Cell Cycle	1,16E-04-5,87E-03	59
Cellular Assembly and Organization	1,7E-04-4,7E-03	41
Cellular Function and Maintenance	1,81E-04-5,77E-03	30
Tissue Morphology	2,42E-04-5,9E-03	67
Cellular Compromise	3,78E-04-4,34E-03	9
Organ Morphology	5,79E-04-4,34E-03	26
Tumor Morphology	5,85E-04-5,1E-03	24
Cell-To-Cell Signaling and Interaction	7,19E-04-5,77E-03	66
Hair and Skin Development and Function	1,18E-03-5,26E-03	16
Hepatic System Development and Function	1,18E-03-3,23E-03	10
Lipid Metabolism	1,18E-03-5,45E-03	11
Molecular Transport	1,18E-03-5,45E-03	14
Small Molecule Biochemistry	1,18E-03-5,45E-03	16
Nervous System Development and Function	1,28E-03-3,47E-03	7
Free Radical Scavenging	1,37E-03-1,37E-03	8
Hematological System Development and Function	1,39E-03-5,9E-03	39
Immune Response	1,39E-03-3,47E-03	17
Immune and Lymphatic System Development and Function	1,68E-03-5,78E-03	21
Cell Signaling	2,61E-03-3,57E-03	6
Vitamin and Mineral Metabolism	2,61E-03-3,57E-03	6
Post-Translational Modification	3,07E-03-3,07E-03	23
IPA Biofunction in the [C vs. IC] profiles -SCNT pregnancies-		
Cellular Movement	2,09E-08-1,23E-02	83
Cellular Development	2,34E-06-1,18E-02	90

Cellular Growth and Proliferation	2,71E-06-1,37E-02	125
Cardiovascular System Development and Function	2,75E-06-1,23E-02	48
Organismal Development	3,04E-06-1,26E-02	72
Tumor Morphology	8,49E-06-1,18E-02	25
Organ Development	3,14E-05-1,14E-02	48
Embryonic Development	5,9E-05-1,05E-02	28
Tissue Development	5,9E-05-1,11E-02	83
Cell Death	5,93E-05-1,38E-02	100
Skeletal and Muscular System Development and Function	7,19E-05-1,11E-02	46
Reproductive System Development and Function	2,55E-04-9,88E-03	10
Cell-To-Cell Signaling and Interaction	4,37E-04-8,2E-03	57
Connective Tissue Development and Function	4,37E-04-8,2E-03	37
Organismal Survival	4,78E-04-1,14E-02	55
Cell Cycle	5,63E-04-1,29E-02	46
Cellular Compromise	7,48E-04-1,38E-02	13
Cell Morphology	8,18E-04-1,14E-02	57
Organ Morphology	8,18E-04-1,23E-02	26
Tissue Morphology	8,18E-04-1,37E-02	54
Lipid Metabolism	1,17E-03-1,26E-02	32
Molecular Transport	1,17E-03-1,26E-02	27
Small Molecule Biochemistry	1,17E-03-1,26E-02	34
Nervous System Development and Function	1,21E-03-8,2E-03	17
Hematological System Development and Function	1,47E-03-1,37E-02	42
Immune Response	1,47E-03-7,35E-03	32
Immune and Lymphatic System Development and Function	1,47E-03-1,31E-02	33
Gene Expression	1,72E-03-1E-02	59
Visual System Development and Function	1,99E-03-8,92E-03	5
Cellular Assembly and Organization	2,41E-03-1,38E-02	33
Respiratory System Development and Function	2,41E-03-2,74E-03	9
DNA Replication, Recombination, and Repair	3,8E-03-8,25E-03	14
Endocrine System Development and Function	4,28E-03-5,14E-03	6
Renal and Urological System Development and Function	4,84E-03-4,84E-03	5