

**Supplementary Table S7. Gene ontology (GO) enrichment analysis of the upregulated genes in BCPAP siFRMD5 (in comparison with BCPAP siNEG).**

GOID	GO Term	Ontology Source	Term PValue	Term PValue Corrected with Benjamini- Hochberg	Group PValue	Group PValue Corrected with Benjamini- Hochberg	GO Levels	GO Groups	% Associated Genes	Nr. Genes
GO:0032879	regulation of localization	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	1,28192E-10	1,5335E-08	4,00741E-12	3,5666E-10	[2, 3]	Group185	4,45	133,00
GO:0040012	regulation of locomotion	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	1,89996E-12	1,81826E-09	4,00741E-12	3,5666E-10	[2, 3]	Group185	6,58	68,00
GO:0048870	cell motility	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	1,18486E-09	6,29948E-08	4,00741E-12	3,5666E-10	[2, 3]	Group185	5,00	90,00
GO:0031589	cell-substrate adhesion	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	3,26496E-10	3,47175E-08	4,00741E-12	3,5666E-10	[3]	Group185	9,07	34,00
GO:0040017	positive regulation of locomotion	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	2,08823E-09	9,51635E-08	4,00741E-12	3,5666E-10	[2, 3, 4]	Group185	7,20	43,00
GO:0006935	chemotaxis	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,001700784	0,00538957	4,00741E-12	3,5666E-10	[3, 4]	Group185	4,56	32,00
GO:0030155	regulation of cell adhesion	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	1,32928E-08	3,34768E-07	4,00741E-12	3,5666E-10	[3, 4]	Group185	6,36	48,00
GO:0051270	regulation of cellular component movement	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	4,42024E-11	2,11509E-08	4,00741E-12	3,5666E-10	[3, 4]	Group185	6,18	67,00
GO:0001935	endothelial cell proliferation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,003633375	0,00934715	4,00741E-12	3,5666E-10	[4]	Group185	6,79	11,00
GO:0051271	negative regulation of cellular component movement	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,001396025	0,004606881	4,00741E-12	3,5666E-10	[3, 4, 5]	Group185	5,67	19,00
GO:0001667	ameboidal-type cell migration	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	3,07176E-05	0,00023147	4,00741E-12	3,5666E-10	[4, 5]	Group185	6,24	27,00
GO:0010631	epithelial cell migration	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,00018162	0,00096028	4,00741E-12	3,5666E-10	[4, 5, 6]	Group185	6,51	20,00
GO:0010632	regulation of epithelial cell migration	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000186103	0,000978573	4,00741E-12	3,5666E-10	[3, 4, 5, 6, 7]	Group185	7,14	17,00
GO:0048661	positive regulation of smooth muscle cell proliferation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,00013222	0,000762259	4,00741E-12	3,5666E-10	[4, 5, 6]	Group185	10,99	10,00
GO:0010634	positive regulation of epithelial cell migration	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000839522	0,003066498	4,00741E-12	3,5666E-10	[3, 4, 5, 6, 7, 8]	Group185	7,69	12,00
GO:0030335	positive regulation of cell migration	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	8,27203E-10	5,65453E-08	4,00741E-12	3,5666E-10	[4, 5, 6, 7]	Group185	7,54	42,00
GO:0001568	blood vessel development	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	7,05492E-09	2,10986E-07	4,00741E-12	3,5666E-10	[3, 5, 6, 7, 8]	Group185	6,49	48,00
GO:0010594	regulation of endothelial cell migration	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000681572	0,002640746	4,00741E-12	3,5666E-10	[4, 5, 6, 7, 8]	Group185	7,47	13,00
GO:0043542	endothelial cell migration	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000331147	0,001553468	4,00741E-12	3,5666E-10	[5, 6, 7]	Group185	7,05	16,00
GO:1901342	regulation of vasculature development	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	1,26962E-05	0,00011147	4,00741E-12	3,5666E-10	[4, 5, 6, 7, 8]	Group185	6,85	25,00

GO:1904018	positive regulation of vasculature development	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000129235	0,000758763	4,00741E-12	3,5666E-10	[3, 4, 5, 6, 7, 8, 9]	Group185	7,66	16,00
GO:0010595	positive regulation of endothelial cell migration	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,00920515	0,019361163	4,00741E-12	3,5666E-10	[4, 5, 6, 7, 8, 9]	Group185	7,14	8,00
GO:0048514	blood vessel morphogenesis	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	9,25827E-09	2,60593E-07	4,00741E-12	3,5666E-10	[4, 5, 6, 7, 8, 9]	Group185	6,76	44,00
GO:0043534	blood vessel endothelial cell migration	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,00532592	0,012492415	4,00741E-12	3,5666E-10	[6, 7, 8]	Group185	7,26	9,00
GO:0043535	regulation of blood vessel endothelial cell migration	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,004171744	0,010316174	4,00741E-12	3,5666E-10	[5, 6, 7, 8, 9]	Group185	8,16	8,00
GO:0043536	positive regulation of blood vessel endothelial cell migration	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,02016817	0,034589496	4,00741E-12	3,5666E-10	[5, 6, 7, 8, 9, 10]	Group185	8,33	5,00
GO:0045765	regulation of angiogenesis	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	5,97633E-05	0,000405628	4,00741E-12	3,5666E-10	[4, 5, 6, 7, 8, 9, 10, 11]	Group185	6,69	22,00
GO:1902895	positive regulation of pri-miRNA transcription by RNA polymerase II	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000732948	0,002794546	2,63149E-12	4,6841E-10	[7, 8, 9, 10, 11, 12, 13]	Group192	14,29	6,00
GO:0009653	anatomical structure morphogenesis	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	9,29458E-11	1,48249E-08	2,63149E-12	4,6841E-10	[2, 3]	Group192	4,51	130,00
GO:0023051	regulation of signaling	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	4,33256E-10	3,76933E-08	2,63149E-12	4,6841E-10	[2, 3]	Group192	4,12	158,00
GO:0032879	regulation of localization	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	1,28192E-10	1,5335E-08	2,63149E-12	4,6841E-10	[2, 3]	Group192	4,45	133,00
GO:0040012	regulation of locomotion	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	1,89996E-12	1,81826E-09	2,63149E-12	4,6841E-10	[2, 3]	Group192	6,58	68,00
GO:0048583	regulation of response to stimulus	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	6,27191E-11	2,00074E-08	2,63149E-12	4,6841E-10	[2, 3]	Group192	4,02	182,00
GO:0048870	cell motility	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	1,18486E-09	6,29948E-08	2,63149E-12	4,6841E-10	[2, 3]	Group192	5,00	90,00
GO:0050793	regulation of developmental process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	1,13592E-09	6,39455E-08	2,63149E-12	4,6841E-10	[2, 3]	Group192	4,42	124,00
GO:0051239	regulation of multicellular organismal process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	8,97701E-09	2,60333E-07	2,63149E-12	4,6841E-10	[2, 3]	Group192	4,10	140,00
GO:0009888	tissue development	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	5,58784E-08	1,00898E-06	2,63149E-12	4,6841E-10	[3]	Group192	4,48	98,00
GO:0023056	positive regulation of signaling	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	6,42911E-11	1,53817E-08	2,63149E-12	4,6841E-10	[2, 3, 4]	Group192	5,00	102,00
GO:0040017	positive regulation of locomotion	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	2,08823E-09	9,51635E-08	2,63149E-12	4,6841E-10	[2, 3, 4]	Group192	7,20	43,00
GO:0048584	positive regulation of response to stimulus	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	2,07976E-07	3,15925E-06	2,63149E-12	4,6841E-10	[2, 3, 4]	Group192	4,21	109,00
GO:0048646	anatomical structure formation involved in morphogenesis	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	2,69379E-08	5,60425E-07	2,63149E-12	4,6841E-10	[2, 3, 4]	Group192	5,40	64,00
GO:0051093	negative regulation of developmental process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,002781123	0,007692298	2,63149E-12	4,6841E-10	[2, 3, 4]	Group192	4,07	43,00
GO:0051094	positive regulation of developmental process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	8,57256E-07	1,07947E-05	2,63149E-12	4,6841E-10	[2, 3, 4]	Group192	4,74	70,00

GO:0051240	positive regulation of multicellular organismal process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	3,52846E-07	5,03991E-06	2,63149E-12	4,6841E-10	[2, 3, 4]	Group192	4,50	86,00
GO:0051241	negative regulation of multicellular organismal process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,001074145	0,003697685	2,63149E-12	4,6841E-10	[2, 3, 4]	Group192	4,04	53,00
GO:0000902	cell morphogenesis	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000202677	0,001031712	2,63149E-12	4,6841E-10	[3, 4]	Group192	4,42	50,00
GO:0006935	chemotaxis	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,001700784	0,00538957	2,63149E-12	4,6841E-10	[3, 4]	Group192	4,56	32,00
GO:0009790	embryo development	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000211308	0,001058752	2,63149E-12	4,6841E-10	[3, 4]	Group192	4,41	50,00
GO:0010646	regulation of cell communication	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	3,57848E-10	3,4246E-08	2,63149E-12	4,6841E-10	[3, 4]	Group192	4,14	157,00
GO:0010941	regulation of cell death	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	3,69996E-07	5,20716E-06	2,63149E-12	4,6841E-10	[3, 4]	Group192	4,57	82,00
GO:0022603	regulation of anatomical structure morphogenesis	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	5,07994E-07	6,84718E-06	2,63149E-12	4,6841E-10	[3, 4]	Group192	5,11	60,00
GO:0035295	tube development	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	2,65621E-08	5,64888E-07	2,63149E-12	4,6841E-10	[3, 4]	Group192	5,48	62,00
GO:0045595	regulation of cell differentiation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	5,09874E-05	0,000353586	2,63149E-12	4,6841E-10	[3, 4]	Group192	4,04	80,00
GO:0048468	cell development	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	1,28955E-05	0,00011219	2,63149E-12	4,6841E-10	[3, 4]	Group192	4,03	93,00
GO:0048729	tissue morphogenesis	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	7,67653E-05	0,000486519	2,63149E-12	4,6841E-10	[3, 4]	Group192	5,14	37,00
GO:0051270	regulation of cellular component movement	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	4,42024E-11	2,11509E-08	2,63149E-12	4,6841E-10	[3, 4]	Group192	6,18	67,00
GO:2000026	regulation of multicellular organismal development	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	3,43602E-09	1,42968E-07	2,63149E-12	4,6841E-10	[3, 4]	Group192	4,64	103,00
GO:0001935	endothelial cell proliferation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,003633375	0,00934715	2,63149E-12	4,6841E-10	[4]	Group192	6,79	11,00
GO:0007166	cell surface receptor signaling pathway	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	2,092E-08	4,76678E-07	2,63149E-12	4,6841E-10	[3, 4, 5]	Group192	4,08	137,00
GO:0010647	positive regulation of cell communication	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	1,14659E-10	1,56756E-08	2,63149E-12	4,6841E-10	[3, 4, 5]	Group192	4,98	101,00
GO:0035239	tube morphogenesis	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	6,64249E-09	2,11896E-07	2,63149E-12	4,6841E-10	[3, 4, 5]	Group192	6,04	55,00
GO:0045597	positive regulation of cell differentiation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,00015702	0,000878762	2,63149E-12	4,6841E-10	[3, 4, 5]	Group192	4,52	48,00
GO:0048588	developmental cell growth	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,01525921	0,027815361	2,63149E-12	4,6841E-10	[3, 4, 5]	Group192	5,18	13,00
GO:0048598	embryonic morphogenesis	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000934627	0,003362548	2,63149E-12	4,6841E-10	[3, 4, 5]	Group192	4,79	31,00
GO:0051130	positive regulation of cellular component organization	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	7,13305E-08	1,24115E-06	2,63149E-12	4,6841E-10	[3, 4, 5]	Group192	5,15	67,00
GO:0060429	epithelium development	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	5,08926E-06	5,18131E-05	2,63149E-12	4,6841E-10	[4]	Group192	4,64	64,00

GO:0060548	negative regulation of cell death	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	6,67908E-06	6,3286E-05	2,63149E-12	4,6841E-10	[3, 4, 5]	Group192	4,93	53,00
GO:0000904	cell morphogenesis involved in differentiation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000202059	0,001034068	2,63149E-12	4,6841E-10	[4, 5]	Group192	4,80	39,00
GO:0001667	ameboidal-type cell migration	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	3,07176E-05	0,00023147	2,63149E-12	4,6841E-10	[4, 5]	Group192	6,24	27,00
GO:0002009	morphogenesis of an epithelium	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000210357	0,001059536	2,63149E-12	4,6841E-10	[4, 5]	Group192	5,24	31,00
GO:0009887	animal organ morphogenesis	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000679847	0,002644772	2,63149E-12	4,6841E-10	[3, 4, 5, 6]	Group192	4,21	49,00
GO:0022604	regulation of cell morphogenesis	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,025190763	0,040860273	2,63149E-12	4,6841E-10	[4, 5]	Group192	4,11	22,00
GO:0031344	regulation of cell projection organization	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,004833171	0,011592343	2,63149E-12	4,6841E-10	[4, 5]	Group192	4,26	32,00
GO:0048534	hematopoietic or lymphoid organ development	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	2,0816E-05	0,000167403	2,63149E-12	4,6841E-10	[3, 4, 5, 6]	Group192	4,88	49,00
GO:0072359	circulatory system development	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	3,81703E-07	5,29405E-06	2,63149E-12	4,6841E-10	[4, 5]	Group192	5,15	60,00
GO:0010631	epithelial cell migration	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,00018162	0,00096028	2,63149E-12	4,6841E-10	[4, 5, 6]	Group192	6,51	20,00
GO:0010632	regulation of epithelial cell migration	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000186103	0,000978573	2,63149E-12	4,6841E-10	[3, 4, 5, 6, 7]	Group192	7,14	17,00
GO:0031346	positive regulation of cell projection organization	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,009294322	0,019420668	2,63149E-12	4,6841E-10	[4, 5, 6]	Group192	4,67	20,00
GO:0048661	positive regulation of smooth muscle cell proliferation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,00013222	0,000762259	2,63149E-12	4,6841E-10	[4, 5, 6]	Group192	10,99	10,00
GO:0051962	positive regulation of nervous system development	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,024883866	0,040431	2,63149E-12	4,6841E-10	[3, 4, 5, 6, 7]	Group192	4,03	24,00
GO:0060562	epithelial tube morphogenesis	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,025199339	0,040805023	2,63149E-12	4,6841E-10	[4, 5, 6]	Group192	4,51	16,00
GO:0001944	vasculature development	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	3,67366E-09	1,46487E-07	2,63149E-12	4,6841E-10	[4, 5, 6, 7]	Group192	6,47	50,00
GO:0010634	positive regulation of epithelial cell migration	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000839522	0,003066498	2,63149E-12	4,6841E-10	[3, 4, 5, 6, 7, 8]	Group192	7,69	12,00
GO:0010769	regulation of cell morphogenesis involved in differentiation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,014062108	0,026284058	2,63149E-12	4,6841E-10	[5, 6]	Group192	4,83	16,00
GO:0030335	positive regulation of cell migration	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	8,27203E-10	5,65453E-08	2,63149E-12	4,6841E-10	[4, 5, 6, 7]	Group192	7,54	42,00
GO:0120035	regulation of plasma membrane bounded cell projection organization	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,012516662	0,024396019	2,63149E-12	4,6841E-10	[5, 6]	Group192	4,04	30,00
GO:0001568	blood vessel development	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	7,05492E-09	2,10986E-07	2,63149E-12	4,6841E-10	[3, 5, 6, 7, 8]	Group192	6,49	48,00
GO:0010594	regulation of endothelial cell migration	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000681572	0,002640746	2,63149E-12	4,6841E-10	[4, 5, 6, 7, 8]	Group192	7,47	13,00
GO:0043542	endothelial cell migration	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000331147	0,001553468	2,63149E-12	4,6841E-10	[5, 6, 7]	Group192	7,05	16,00

GO:0045937	positive regulation of phosphate metabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	1,12601E-09	6,73495E-08	2,63149E-12	4,6841E-10	[5, 6, 7]	Group192	5,60	70,00
GO:0120039	plasma membrane bounded cell projection morphogenesis	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,009786652	0,020228567	2,63149E-12	4,6841E-10	[5, 6, 7]	Group192	4,12	30,00
GO:1901342	regulation of vasculature development	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	1,26962E-05	0,00011147	2,63149E-12	4,6841E-10	[4, 5, 6, 7, 8]	Group192	6,85	25,00
GO:1901343	negative regulation of vasculature development	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,028789286	0,045166142	2,63149E-12	4,6841E-10	[3, 4, 5, 6, 7, 8, 9]	Group192	5,80	8,00
GO:1904018	positive regulation of vasculature development	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000129235	0,000758763	2,63149E-12	4,6841E-10	[3, 4, 5, 6, 7, 8, 9]	Group192	7,66	16,00
GO:1904707	positive regulation of vascular smooth muscle cell proliferation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,015443421	0,028044315	2,63149E-12	4,6841E-10	[5, 6, 7]	Group192	10,81	4,00
GO:0001525	angiogenesis	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	5,95789E-09	2,11174E-07	2,63149E-12	4,6841E-10	[3, 4, 5, 6, 7, 8, 9, 10]	Group192	7,27	40,00
GO:0010595	positive regulation of endothelial cell migration	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,00920515	0,019361163	2,63149E-12	4,6841E-10	[4, 5, 6, 7, 8, 9]	Group192	7,14	8,00
GO:0048514	blood vessel morphogenesis	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	9,25827E-09	2,60593E-07	2,63149E-12	4,6841E-10	[4, 5, 6, 7, 8, 9]	Group192	6,76	44,00
GO:0042327	positive regulation of phosphorylation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	3,4551E-08	6,74801E-07	2,63149E-12	4,6841E-10	[6, 7, 8]	Group192	5,40	63,00
GO:0043534	blood vessel endothelial cell migration	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,00532592	0,012492415	2,63149E-12	4,6841E-10	[6, 7, 8]	Group192	7,26	9,00
GO:0043535	regulation of blood vessel endothelial cell migration	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,004171744	0,010316174	2,63149E-12	4,6841E-10	[5, 6, 7, 8, 9]	Group192	8,16	8,00
GO:0048667	cell morphogenesis involved in neuron differentiation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,006632533	0,014899846	2,63149E-12	4,6841E-10	[5, 6, 8, 9, 10]	Group192	4,33	28,00
GO:0002040	sprouting angiogenesis	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,00041584	0,001833911	2,63149E-12	4,6841E-10	[4, 5, 6, 7, 8, 9, 10, 11]	Group192	8,87	11,00
GO:0043536	positive regulation of blood vessel endothelial cell migration	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,02016817	0,034589496	2,63149E-12	4,6841E-10	[5, 6, 7, 8, 9, 10]	Group192	8,33	5,00
GO:0045765	regulation of angiogenesis	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	5,97633E-05	0,000405628	2,63149E-12	4,6841E-10	[4, 5, 6, 7, 8, 9, 10, 11]	Group192	6,69	22,00
GO:0045766	positive regulation of angiogenesis	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,00132399	0,004430275	2,63149E-12	4,6841E-10	[4, 5, 6, 7, 8, 9, 10, 11, 12]	Group192	6,95	13,00
GO:0007411	axon guidance	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,014432535	0,026663968	2,63149E-12	4,6841E-10	[4, 5, 6, 7, 8, 9, 10, 11, 12, 13]	Group192	4,93	15,00
GO:0010975	regulation of neuron projection development	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,011319031	0,022567319	2,63149E-12	4,6841E-10	[6, 7, 8, 9, 10, 11]	Group192	4,33	24,00
GO:1903670	regulation of sprouting angiogenesis	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,003441989	0,008951043	2,63149E-12	4,6841E-10	[5, 6, 7, 8, 9, 10, 11, 12]	Group192	9,33	7,00
GO:0061564	axon development	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,00784214	0,01709551	2,63149E-12	4,6841E-10	[6, 7, 9, 10, 11]	Group192	4,42	25,00
GO:0050770	regulation of axonogenesis	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,00706902	0,015696175	2,63149E-12	4,6841E-10	[6, 7, 8, 9, 10, 11, 12, 13]	Group192	5,94	12,00
GO:0012501	programmed cell death	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	9,88592E-07	1,19757E-05	1,45453E-11	6,4727E-10	[3]	Group187	4,27	94,00

GO:0044092	negative regulation of molecular function	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,001134739	0,003864575	1,45453E-11	6,4727E-10	[3]	Group187	4,07	51,00
GO:0010941	regulation of cell death	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	3,69996E-07	5,20716E-06	1,45453E-11	6,4727E-10	[3, 4]	Group187	4,57	82,00
GO:0010942	positive regulation of cell death	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	5,54439E-06	5,52706E-05	1,45453E-11	6,4727E-10	[3, 4, 5]	Group187	5,53	41,00
GO:0043086	negative regulation of catalytic activity	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,003219853	0,008512152	1,45453E-11	6,4727E-10	[4]	Group187	4,20	37,00
GO:0051336	regulation of hydrolase activity	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	8,71715E-06	7,94506E-05	1,45453E-11	6,4727E-10	[4]	Group187	4,59	63,00
GO:0097190	apoptotic signaling pathway	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	1,38238E-06	1,63326E-05	1,45453E-11	6,4727E-10	[3, 4, 5]	Group187	6,00	39,00
GO:0006508	proteolysis	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	5,7795E-05	0,00039507	1,45453E-11	6,4727E-10	[4, 5]	Group187	4,07	77,00
GO:0030307	positive regulation of cell growth	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,020310845	0,034771878	1,45453E-11	6,4727E-10	[3, 4, 5, 6]	Group187	5,56	10,00
GO:0051248	negative regulation of protein metabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000265156	0,001301303	1,45453E-11	6,4727E-10	[4, 5, 6]	Group187	4,34	51,00
GO:0051345	positive regulation of hydrolase activity	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	9,69574E-06	8,7536E-05	1,45453E-11	6,4727E-10	[5]	Group187	5,30	43,00
GO:0001836	release of cytochrome c from mitochondria	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,001802429	0,005618646	1,45453E-11	6,4727E-10	[4, 5, 6, 7]	Group187	10,45	7,00
GO:0008233	peptidase activity	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,0002754	0,001331101	1,45453E-11	6,4727E-10	[5, 6]	Group187	4,39	49,00
GO:0030162	regulation of proteolysis	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,004999209	0,011901102	1,45453E-11	6,4727E-10	[5, 6]	Group187	4,21	33,00
GO:0032269	negative regulation of cellular protein metabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,00020134	0,001035927	1,45453E-11	6,4727E-10	[4, 5, 6, 7]	Group187	4,45	49,00
GO:0042177	negative regulation of protein catabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,032142218	0,048748184	1,45453E-11	6,4727E-10	[4, 5, 6, 7]	Group187	5,67	8,00
GO:0042981	regulation of apoptotic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	1,11326E-06	1,33174E-05	1,45453E-11	6,4727E-10	[5, 6]	Group187	4,59	75,00
GO:0043065	positive regulation of apoptotic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	5,25908E-05	0,000362082	1,45453E-11	6,4727E-10	[5, 6, 7]	Group187	5,29	36,00
GO:0045861	negative regulation of proteolysis	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,006054374	0,013861331	1,45453E-11	6,4727E-10	[5, 6, 7, 8]	Group187	4,96	19,00
GO:0045862	positive regulation of proteolysis	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,023925476	0,039273895	1,45453E-11	6,4727E-10	[5, 6, 7, 8]	Group187	4,45	17,00
GO:0070011	peptidase activity, acting on L-amino acid peptides	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,00039584	0,00177018	1,45453E-11	6,4727E-10	[6, 7]	Group187	4,37	47,00
GO:0004175	endopeptidase activity	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000555813	0,002282888	1,45453E-11	6,4727E-10	[7, 8]	Group187	4,52	40,00
GO:0008234	cysteine-type peptidase activity	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000334646	0,001554642	1,45453E-11	6,4727E-10	[7, 8]	Group187	5,49	26,00
GO:0010952	positive regulation of peptidase activity	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000395714	0,001777926	1,45453E-11	6,4727E-10	[6, 7, 8, 9]	Group187	7,21	15,00

GO:0052548	regulation of endopeptidase activity	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000937128	0,003333945	1,45453E-11	6,4727E-10	[6, 7, 8, 9]	Group187	5,29	24,00
GO:0097153	cysteine-type endopeptidase activity involved in apoptotic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000249894	0,001232725	1,45453E-11	6,4727E-10	[5, 9, 10]	Group187	6,97	17,00
GO:0004197	cysteine-type endopeptidase activity	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000848939	0,003089106	1,45453E-11	6,4727E-10	[8, 9]	Group187	5,65	21,00
GO:0010951	negative regulation of endopeptidase activity	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,013479644	0,025748543	1,45453E-11	6,4727E-10	[7, 8, 9, 10]	Group187	5,11	14,00
GO:0033135	regulation of peptidyl-serine phosphorylation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,011230711	0,022437977	1,45453E-11	6,4727E-10	[7, 8, 9, 10]	Group187	6,10	10,00
GO:0043281	regulation of cysteine-type endopeptidase activity involved in apoptotic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000159916	0,000884625	1,45453E-11	6,4727E-10	[6, 7, 8, 9, 10, 11]	Group187	7,23	17,00
GO:0043027	cysteine-type endopeptidase inhibitor activity involved in apoptotic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,032678593	0,04924947	1,45453E-11	6,4727E-10	[5, 6, 7, 8, 9, 10, 11, 12, 13]	Group187	11,11	3,00
GO:0043154	negative regulation of cysteine-type endopeptidase activity involved in apoptotic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000993196	0,003468936	1,45453E-11	6,4727E-10	[6, 7, 8, 9, 10, 11, 12]	Group187	9,28	9,00
GO:0043280	positive regulation of cysteine-type endopeptidase activity involved in apoptotic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000360827	0,001652209	1,45453E-11	6,4727E-10	[6, 7, 8, 9, 10, 11, 12]	Group187	8,45	12,00
GO:1902895	positive regulation of pri-miRNA transcription by RNA polymerase II	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000732948	0,002794546	1,11787E-11	6,6327E-10	[7, 8, 9, 10, 11, 12, 13]	Group191	14,29	6,00
GO:0033002	muscle cell proliferation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	3,12928E-05	0,000233963	1,11787E-11	6,6327E-10	[3]	Group191	8,25	17,00
GO:0050673	epithelial cell proliferation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	3,83793E-06	3,94935E-05	1,11787E-11	6,6327E-10	[3]	Group191	6,71	29,00
GO:0035019	somatic stem cell population maintenance	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,020465165	0,034911167	1,11787E-11	6,6327E-10	[3, 4]	Group191	7,32	6,00
GO:0001935	endothelial cell proliferation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,003633375	0,00934715	1,11787E-11	6,6327E-10	[4]	Group191	6,79	11,00
GO:0008284	positive regulation of cell population proliferation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	8,18119E-08	1,37358E-06	1,11787E-11	6,6327E-10	[3, 4, 5]	Group191	5,61	55,00
GO:0046620	regulation of organ growth	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,024403341	0,039853238	1,11787E-11	6,6327E-10	[3, 4, 5]	Group191	6,42	7,00
GO:0048659	smooth muscle cell proliferation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000131848	0,000764721	1,11787E-11	6,6327E-10	[4]	Group191	8,84	13,00
GO:0062013	positive regulation of small molecule metabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,008775524	0,018580036	1,11787E-11	6,6327E-10	[3, 4, 5]	Group191	6,33	10,00
GO:0006109	regulation of carbohydrate metabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,006973192	0,015555582	1,11787E-11	6,6327E-10	[4, 5]	Group191	5,73	13,00
GO:0045913	positive regulation of carbohydrate metabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,002461149	0,007094337	1,11787E-11	6,6327E-10	[3, 4, 5, 6]	Group191	8,89	8,00
GO:0048660	regulation of smooth muscle cell proliferation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000114782	0,000695231	1,11787E-11	6,6327E-10	[4, 5]	Group191	8,97	13,00
GO:0050678	regulation of epithelial cell proliferation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	4,34628E-05	0,000310403	1,11787E-11	6,6327E-10	[4, 5]	Group191	6,50	24,00

GO:1903035	negative regulation of response to wounding	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,005007775	0,011891912	1,11787E-11	6,6327E-10	[3, 4, 5, 6]	Group191	7,92	8,00
GO:0010631	epithelial cell migration	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,00018162	0,00096028	1,11787E-11	6,6327E-10	[4, 5, 6]	Group191	6,51	20,00
GO:0010632	regulation of epithelial cell migration	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000186103	0,000978573	1,11787E-11	6,6327E-10	[3, 4, 5, 6, 7]	Group191	7,14	17,00
GO:0030193	regulation of blood coagulation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000625023	0,002481938	1,11787E-11	6,6327E-10	[3, 4, 5, 6, 7]	Group191	9,89	9,00
GO:0043255	regulation of carbohydrate biosynthetic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,024403341	0,039853238	1,11787E-11	6,6327E-10	[4, 5, 6]	Group191	6,42	7,00
GO:0044344	cellular response to fibroblast growth factor stimulus	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,033316683	0,049818851	1,11787E-11	6,6327E-10	[4, 6]	Group191	5,63	8,00
GO:0048661	positive regulation of smooth muscle cell proliferation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,00013222	0,000762259	1,11787E-11	6,6327E-10	[4, 5, 6]	Group191	10,99	10,00
GO:0050679	positive regulation of epithelial cell proliferation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,00018895	0,000982745	1,11787E-11	6,6327E-10	[4, 5, 6]	Group191	7,41	16,00
GO:0090288	negative regulation of cellular response to growth factor stimulus	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,012154936	0,023885572	1,11787E-11	6,6327E-10	[3, 4, 5, 6, 7]	Group191	6,02	10,00
GO:0101023	vascular endothelial cell proliferation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,026696119	0,042651396	1,11787E-11	6,6327E-10	[5]	Group191	12,00	3,00
GO:1990874	vascular smooth muscle cell proliferation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,003044682	0,008138997	1,11787E-11	6,6327E-10	[5]	Group191	10,91	6,00
GO:0001936	regulation of endothelial cell proliferation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,014143549	0,026282284	1,11787E-11	6,6327E-10	[5, 6]	Group191	6,21	9,00
GO:0010634	positive regulation of epithelial cell migration	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000839522	0,003066498	1,11787E-11	6,6327E-10	[3, 4, 5, 6, 7, 8]	Group191	7,69	12,00
GO:0014909	smooth muscle cell migration	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000144714	0,000819473	1,11787E-11	6,6327E-10	[5, 6]	Group191	12,00	9,00
GO:1904705	regulation of vascular smooth muscle cell proliferation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,003044682	0,008138997	1,11787E-11	6,6327E-10	[5, 6]	Group191	10,91	6,00
GO:0001938	positive regulation of endothelial cell proliferation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,02131371	0,036101274	1,11787E-11	6,6327E-10	[5, 6, 7]	Group191	6,60	7,00
GO:0010594	regulation of endothelial cell migration	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000681572	0,002640746	1,11787E-11	6,6327E-10	[4, 5, 6, 7, 8]	Group191	7,47	13,00
GO:0014910	regulation of smooth muscle cell migration	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000348865	0,001605114	1,11787E-11	6,6327E-10	[5, 6, 7]	Group191	11,94	8,00
GO:0043542	endothelial cell migration	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000331147	0,001553468	1,11787E-11	6,6327E-10	[5, 6, 7]	Group191	7,05	16,00
GO:1901343	negative regulation of vasculature development	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,028789286	0,045166142	1,11787E-11	6,6327E-10	[3, 4, 5, 6, 7, 8, 9]	Group191	5,80	8,00
GO:1904707	positive regulation of vascular smooth muscle cell proliferation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,015443421	0,028044315	1,11787E-11	6,6327E-10	[5, 6, 7]	Group191	10,81	4,00
GO:0010595	positive regulation of endothelial cell migration	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,00920515	0,019361163	1,11787E-11	6,6327E-10	[4, 5, 6, 7, 8, 9]	Group191	7,14	8,00
GO:0014911	positive regulation of smooth muscle cell migration	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000943803	0,003345259	1,11787E-11	6,6327E-10	[5, 6, 7, 8]	Group191	13,64	6,00



GO:0030212	hyaluronan metabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,005625159	0,013066206	1,11787E-11	6,6327E-10	[6, 7]	Group191	11,36	5,00
GO:0042730	fibrinolysis	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,007393209	0,016265061	1,11787E-11	6,6327E-10	[4, 5, 6, 7, 8, 9]	Group191	13,33	4,00
GO:0040037	negative regulation of fibroblast growth factor receptor signaling pathway	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,012620698	0,024499003	1,11787E-11	6,6327E-10	[4, 5, 6, 7, 8, 9, 10]	Group191	15,79	3,00
GO:0043535	regulation of blood vessel endothelial cell migration	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,004171744	0,010316174	1,11787E-11	6,6327E-10	[5, 6, 7, 8, 9]	Group191	8,16	8,00
GO:0043550	regulation of lipid kinase activity	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,030797191	0,047081329	1,11787E-11	6,6327E-10	[5, 6, 7, 8, 9]	Group191	7,46	5,00
GO:0055024	regulation of cardiac muscle tissue development	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,008760029	0,018588355	1,11787E-11	6,6327E-10	[5, 6, 7, 8, 9]	Group191	7,87	7,00
GO:1905564	positive regulation of vascular endothelial cell proliferation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,014564467	0,026855865	1,11787E-11	6,6327E-10	[6, 7, 8]	Group191	15,00	3,00
GO:0002040	sprouting angiogenesis	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,00041584	0,001833911	1,11787E-11	6,6327E-10	[4, 5, 6, 7, 8, 9, 10, 11]	Group191	8,87	11,00
GO:0031639	plasminogen activation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,003242962	0,008549627	1,11787E-11	6,6327E-10	[7, 8]	Group191	16,67	4,00
GO:0043536	positive regulation of blood vessel endothelial cell migration	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,02016817	0,034589496	1,11787E-11	6,6327E-10	[5, 6, 7, 8, 9, 10]	Group191	8,33	5,00
GO:0002043	blood vessel endothelial cell proliferation involved in sprouting angiogenesis	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,00033793	0,001562316	1,11787E-11	6,6327E-10	[5, 6, 7, 8, 9, 10, 11, 12]	Group191	20,83	5,00
GO:0048583	regulation of response to stimulus	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	6,27191E-11	2,00074E-08	3,1323E-11	1,1151E-09	[2, 3]	Group133	4,02	182,00
GO:0033554	cellular response to stress	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	1,66634E-08	3,98672E-07	3,1323E-11	1,1151E-09	[3]	Group133	4,55	100,00
GO:0048585	negative regulation of response to stimulus	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	1,4974E-08	3,67438E-07	3,1323E-11	1,1151E-09	[2, 3, 4]	Group133	4,85	85,00
GO:0080134	regulation of response to stress	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	1,20431E-08	3,20146E-07	3,1323E-11	1,1151E-09	[3, 4]	Group133	5,05	78,00
GO:0006974	cellular response to DNA damage stimulus	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,001050609	0,003642874	3,1323E-11	1,1151E-09	[4]	Group133	4,38	40,00
GO:0080135	regulation of cellular response to stress	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	5,18829E-08	9,54845E-07	3,1323E-11	1,1151E-09	[3, 4, 5]	Group133	6,08	48,00
GO:2001020	regulation of response to DNA damage stimulus	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,004286675	0,010465174	3,1323E-11	1,1151E-09	[4, 5, 6]	Group133	5,86	14,00
GO:0000187	activation of MAPK activity	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,001091557	0,003744156	4,56071E-11	1,353E-09	[7, 8, 9, 10, 11, 12, 13]	Group193	6,80	14,00
GO:0023051	regulation of signaling	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	4,33256E-10	3,76933E-08	4,56071E-11	1,353E-09	[2, 3]	Group193	4,12	158,00
GO:0048583	regulation of response to stimulus	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	6,27191E-11	2,00074E-08	4,56071E-11	1,353E-09	[2, 3]	Group193	4,02	182,00
GO:0051239	regulation of multicellular organismal process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	8,97701E-09	2,60333E-07	4,56071E-11	1,353E-09	[2, 3]	Group193	4,10	140,00
GO:0006793	phosphorus metabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	6,13427E-09	2,09661E-07	4,56071E-11	1,353E-09	[3]	Group193	4,09	144,00

GO:0010033	response to organic substance	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	4,09467E-08	7,68353E-07	4,56071E-11	1,353E-09	[3]	Group193	4,00	141,00
GO:0016772	transferase activity, transferring phosphorus-containing groups	GO_MolecularFunction-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	2,30551E-06	2,53606E-05	4,56071E-11	1,353E-09	[3]	Group193	4,42	79,00
GO:0023056	positive regulation of signaling	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	6,42911E-11	1,53817E-08	4,56071E-11	1,353E-09	[2, 3, 4]	Group193	5,00	102,00
GO:0023057	negative regulation of signaling	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	8,40763E-06	7,73663E-05	4,56071E-11	1,353E-09	[2, 3, 4]	Group193	4,48	68,00
GO:0044092	negative regulation of molecular function	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,001134739	0,003864575	4,56071E-11	1,353E-09	[3]	Group193	4,07	51,00
GO:0044093	positive regulation of molecular function	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	6,68997E-11	1,28046E-08	4,56071E-11	1,353E-09	[3]	Group193	5,07	99,00
GO:0048584	positive regulation of response to stimulus	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	2,07976E-07	3,15925E-06	4,56071E-11	1,353E-09	[2, 3, 4]	Group193	4,21	109,00
GO:0048585	negative regulation of response to stimulus	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	1,4974E-08	3,67438E-07	4,56071E-11	1,353E-09	[2, 3, 4]	Group193	4,85	85,00
GO:0050790	regulation of catalytic activity	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	1,121E-08	3,06514E-07	4,56071E-11	1,353E-09	[3]	Group193	4,41	112,00
GO:0051240	positive regulation of multicellular organismal process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	3,52846E-07	5,03991E-06	4,56071E-11	1,353E-09	[2, 3, 4]	Group193	4,50	86,00
GO:0051241	negative regulation of multicellular organismal process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,001074145	0,003697685	4,56071E-11	1,353E-09	[2, 3, 4]	Group193	4,04	53,00
GO:0010646	regulation of cell communication	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	3,57848E-10	3,4246E-08	4,56071E-11	1,353E-09	[3, 4]	Group193	4,14	157,00
GO:0010941	regulation of cell death	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	3,69996E-07	5,20716E-06	4,56071E-11	1,353E-09	[3, 4]	Group193	4,57	82,00
GO:0019637	organophosphate metabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000611052	0,002436569	4,56071E-11	1,353E-09	[3, 4]	Group193	4,26	48,00
GO:0042127	regulation of cell population proliferation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	9,02399E-10	5,75731E-08	4,56071E-11	1,353E-09	[3, 4]	Group193	5,05	89,00
GO:0080134	regulation of response to stress	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	1,20431E-08	3,20146E-07	4,56071E-11	1,353E-09	[3, 4]	Group193	5,05	78,00
GO:2000026	regulation of multicellular organismal development	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	3,43602E-09	1,42968E-07	4,56071E-11	1,353E-09	[3, 4]	Group193	4,64	103,00
GO:0006796	phosphate-containing compound metabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	2,32844E-08	5,06435E-07	4,56071E-11	1,353E-09	[4]	Group193	4,04	141,00
GO:0007166	cell surface receptor signaling pathway	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	2,092E-08	4,76678E-07	4,56071E-11	1,353E-09	[3, 4, 5]	Group193	4,08	137,00
GO:0009966	regulation of signal transduction	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	2,92397E-09	1,27193E-07	4,56071E-11	1,353E-09	[3, 4, 5]	Group193	4,19	138,00
GO:0010647	positive regulation of cell communication	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	1,14659E-10	1,56756E-08	4,56071E-11	1,353E-09	[3, 4, 5]	Group193	4,98	101,00
GO:0010648	negative regulation of cell communication	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	7,87514E-06	7,317E-05	4,56071E-11	1,353E-09	[3, 4, 5]	Group193	4,49	68,00
GO:0016773	phosphotransferase activity, alcohol group as acceptor	GO_MolecularFunction-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	3,23306E-05	0,000239848	4,56071E-11	1,353E-09	[4]	Group193	4,40	63,00

GO:0030234	enzyme regulator activity	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000976118	0,003447031	4,56071E-11	1,353E-09	[4]	Group193	4,17	48,00
GO:0035556	intracellular signal transduction	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	1,26934E-09	6,39346E-08	4,56071E-11	1,353E-09	[3, 4, 5]	Group193	4,34	130,00
GO:0043085	positive regulation of catalytic activity	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	1,27347E-09	6,09358E-08	4,56071E-11	1,353E-09	[4]	Group193	5,20	82,00
GO:0043086	negative regulation of catalytic activity	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,003219853	0,008512152	4,56071E-11	1,353E-09	[4]	Group193	4,20	37,00
GO:0051336	regulation of hydrolase activity	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	8,71715E-06	7,94506E-05	4,56071E-11	1,353E-09	[4]	Group193	4,59	63,00
GO:0051338	regulation of transferase activity	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	2,2116E-07	3,30703E-06	4,56071E-11	1,353E-09	[4]	Group193	5,31	58,00
GO:0071310	cellular response to organic substance	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	3,0656E-08	6,24208E-07	4,56071E-11	1,353E-09	[4]	Group193	4,21	122,00
GO:0009967	positive regulation of signal transduction	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	4,99385E-09	1,91165E-07	4,56071E-11	1,353E-09	[3, 4, 5, 6]	Group193	4,92	87,00
GO:0009968	negative regulation of signal transduction	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	6,11198E-07	8,01255E-06	4,56071E-11	1,353E-09	[3, 4, 5, 6]	Group193	4,89	66,00
GO:0051246	regulation of protein metabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	1,25694E-08	3,25106E-07	4,56071E-11	1,353E-09	[4, 5]	Group193	4,21	127,00
GO:0007167	enzyme linked receptor protein signaling pathway	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	3,81246E-06	3,96579E-05	4,56071E-11	1,353E-09	[4, 5, 6]	Group193	4,96	55,00
GO:0008047	enzyme activator activity	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000987177	0,003460544	4,56071E-11	1,353E-09	[5]	Group193	4,96	28,00
GO:0016310	phosphorylation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	8,61421E-08	1,42135E-06	4,56071E-11	1,353E-09	[5]	Group193	4,27	110,00
GO:0031098	stress-activated protein kinase signaling cascade	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,011678319	0,023091221	4,56071E-11	1,353E-09	[4, 5, 6]	Group193	4,94	16,00
GO:0032268	regulation of cellular protein metabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	6,44939E-09	2,1283E-07	4,56071E-11	1,353E-09	[4, 5, 6]	Group193	4,32	122,00
GO:0043087	regulation of GTPase activity	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000172834	0,000924034	4,56071E-11	1,353E-09	[5]	Group193	5,53	28,00
GO:0043491	protein kinase B signaling	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	7,17147E-05	0,000466877	4,56071E-11	1,353E-09	[4, 5, 6]	Group193	7,20	19,00
GO:0051247	positive regulation of protein metabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	6,97002E-09	2,15171E-07	4,56071E-11	1,353E-09	[4, 5, 6]	Group193	4,84	89,00
GO:0051248	negative regulation of protein metabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000265156	0,001301303	4,56071E-11	1,353E-09	[4, 5, 6]	Group193	4,34	51,00
GO:0051345	positive regulation of hydrolase activity	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	9,69574E-06	8,7536E-05	4,56071E-11	1,353E-09	[5]	Group193	5,30	43,00
GO:0051347	positive regulation of transferase activity	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	1,65631E-06	1,93304E-05	4,56071E-11	1,353E-09	[5]	Group193	5,68	43,00
GO:0051348	negative regulation of transferase activity	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,005998993	0,013800568	4,56071E-11	1,353E-09	[5]	Group193	5,32	16,00
GO:1902531	regulation of intracellular signal transduction	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	7,94893E-07	1,01428E-05	4,56071E-11	1,353E-09	[4, 5, 6]	Group193	4,43	85,00

GO:0023014	signal transduction by protein phosphorylation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	6,64101E-07	8,58844E-06	4,56071E-11	1,353E-09	[3, 4, 5, 7, 8]	Group193	5,34	53,00
GO:0019220	regulation of phosphate metabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	1,73471E-08	4,04906E-07	4,56071E-11	1,353E-09	[5, 6]	Group193	4,71	91,00
GO:0032269	negative regulation of cellular protein metabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,00020134	0,001035927	4,56071E-11	1,353E-09	[4, 5, 6, 7]	Group193	4,45	49,00
GO:0032270	positive regulation of cellular protein metabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	5,27485E-09	1,94155E-07	4,56071E-11	1,353E-09	[4, 5, 6, 7]	Group193	4,96	85,00
GO:0042981	regulation of apoptotic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	1,11326E-06	1,33174E-05	4,56071E-11	1,353E-09	[5, 6]	Group193	4,59	75,00
GO:1902532	negative regulation of intracellular signal transduction	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	4,25172E-05	0,000305932	4,56071E-11	1,353E-09	[4, 5, 6, 7]	Group193	5,72	31,00
GO:1902533	positive regulation of intracellular signal transduction	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	3,51826E-06	3,69997E-05	4,56071E-11	1,353E-09	[4, 5, 6, 7]	Group193	4,97	55,00
GO:0016301	kinase activity	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	5,86806E-06	5,78942E-05	4,56071E-11	1,353E-09	[6]	Group193	4,48	70,00
GO:0031399	regulation of protein modification process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	1,07623E-07	1,68845E-06	4,56071E-11	1,353E-09	[5, 6, 7]	Group193	4,55	90,00
GO:0043547	positive regulation of GTPase activity	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000437988	0,001896626	4,56071E-11	1,353E-09	[6]	Group193	5,58	24,00
GO:0045936	negative regulation of phosphate metabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000540563	0,002239477	4,56071E-11	1,353E-09	[5, 6, 7]	Group193	5,02	30,00
GO:0045937	positive regulation of phosphate metabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	1,12601E-09	6,73495E-08	4,56071E-11	1,353E-09	[5, 6, 7]	Group193	5,60	70,00
GO:0051896	regulation of protein kinase B signaling	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000195626	0,001011969	4,56071E-11	1,353E-09	[5, 6, 7]	Group193	7,11	17,00
GO:0000165	MAPK cascade	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	1,91283E-06	2,15362E-05	4,56071E-11	1,353E-09	[4, 5, 6, 8, 9]	Group193	5,24	51,00
GO:0006468	protein phosphorylation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	3,55363E-08	6,80165E-07	4,56071E-11	1,353E-09	[6, 7]	Group193	4,55	96,00
GO:0031401	positive regulation of protein modification process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	7,84556E-08	1,34075E-06	4,56071E-11	1,353E-09	[5, 6, 7, 8]	Group193	5,11	68,00
GO:0042325	regulation of phosphorylation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	6,23797E-08	1,10551E-06	4,56071E-11	1,353E-09	[6, 7]	Group193	4,77	82,00
GO:0051897	positive regulation of protein kinase B signaling	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	8,10058E-05	0,000506683	4,56071E-11	1,353E-09	[5, 6, 7, 8]	Group193	8,33	15,00
GO:0043549	regulation of kinase activity	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	1,8027E-06	2,05379E-05	4,56071E-11	1,353E-09	[5, 7, 8]	Group193	5,25	51,00
GO:0001932	regulation of protein phosphorylation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	1,20031E-07	1,85273E-06	4,56071E-11	1,353E-09	[6, 7, 8]	Group193	4,86	75,00
GO:0042326	negative regulation of phosphorylation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,001627748	0,005192518	4,56071E-11	1,353E-09	[6, 7, 8]	Group193	5,07	24,00
GO:0042327	positive regulation of phosphorylation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	3,4551E-08	6,74801E-07	4,56071E-11	1,353E-09	[6, 7, 8]	Group193	5,40	63,00
GO:0004707	MAP kinase activity	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,004993279	0,011916628	4,56071E-11	1,353E-09	[5, 6, 7, 9, 10]	Group193	5,05	19,00

GO:0070371	ERK1 and ERK2 cascade	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	7,46413E-05	0,000479408	4,56071E-11	1,353E-09	[5, 6, 7, 9, 10]	Group193	6,59	22,00
GO:0001933	negative regulation of protein phosphorylation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,004805825	0,011555714	4,56071E-11	1,353E-09	[6, 7, 8, 9]	Group193	4,88	21,00
GO:0001934	positive regulation of protein phosphorylation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	4,44036E-07	6,07061E-06	4,56071E-11	1,353E-09	[6, 7, 8, 9]	Group193	5,24	57,00
GO:0004672	protein kinase activity	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	4,63941E-05	0,000324081	4,56071E-11	1,353E-09	[7, 8]	Group193	4,46	58,00
GO:0004693	cyclin-dependent protein serine/threonine kinase activity	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000545112	0,002248586	4,56071E-11	1,353E-09	[5, 6, 9, 10]	Group193	8,59	11,00
GO:0018209	peptidyl-serine modification	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000275328	0,001337508	4,56071E-11	1,353E-09	[7, 8]	Group193	6,01	22,00
GO:0018212	peptidyl-tyrosine modification	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,00348192	0,00900594	4,56071E-11	1,353E-09	[7, 8]	Group193	5,02	21,00
GO:0033674	positive regulation of kinase activity	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	1,62283E-05	0,000136232	4,56071E-11	1,353E-09	[6, 7, 8, 9]	Group193	5,53	37,00
GO:0043408	regulation of MAPK cascade	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	3,12878E-06	3,36432E-05	4,56071E-11	1,353E-09	[5, 6, 7, 8, 9, 10]	Group193	5,54	43,00
GO:0045859	regulation of protein kinase activity	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	1,77981E-05	0,000148111	4,56071E-11	1,353E-09	[6, 7, 8, 9]	Group193	5,12	44,00
GO:0000079	regulation of cyclin-dependent protein serine/threonine kinase activity	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,001520331	0,004948833	4,56071E-11	1,353E-09	[5, 6, 7, 8, 9, 10, 11]	Group193	8,74	9,00
GO:0018105	peptidyl-serine phosphorylation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000650843	0,00255269	4,56071E-11	1,353E-09	[7, 8, 9]	Group193	5,90	20,00
GO:0043410	positive regulation of MAPK cascade	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	2,28998E-07	3,37156E-06	4,56071E-11	1,353E-09	[5, 6, 7, 8, 9, 10, 11]	Group193	6,54	38,00
GO:0004674	protein serine/threonine kinase activity	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	7,87337E-05	0,000495711	4,56071E-11	1,353E-09	[8, 9]	Group193	4,80	44,00
GO:0006469	negative regulation of protein kinase activity	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,012703408	0,02460964	4,56071E-11	1,353E-09	[7, 8, 9, 10]	Group193	5,31	13,00
GO:0043405	regulation of MAP kinase activity	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,00374708	0,009486654	4,56071E-11	1,353E-09	[6, 7, 8, 9, 10, 11]	Group193	5,19	19,00
GO:0045860	positive regulation of protein kinase activity	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	9,04722E-05	0,00056222	4,56071E-11	1,353E-09	[7, 8, 9, 10]	Group193	5,41	32,00
GO:0070372	regulation of ERK1 and ERK2 cascade	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,001373574	0,004564272	4,56071E-11	1,353E-09	[6, 7, 8, 9, 10, 11]	Group193	5,83	18,00
GO:0071900	regulation of protein serine/threonine kinase activity	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	6,17963E-05	0,00041356	4,56071E-11	1,353E-09	[7, 8, 9, 10]	Group193	5,61	31,00
GO:0070374	positive regulation of ERK1 and ERK2 cascade	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,005401376	0,012638426	4,56071E-11	1,353E-09	[6, 7, 8, 9, 10, 11, 12]	Group193	5,91	13,00
GO:0032147	activation of protein kinase activity	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	2,21901E-05	0,000176966	4,56071E-11	1,353E-09	[8, 9, 10, 11]	Group193	6,48	26,00
GO:0071902	positive regulation of protein serine/threonine kinase activity	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000370646	0,00168108	4,56071E-11	1,353E-09	[8, 9, 10, 11]	Group193	5,88	22,00
GO:0032879	regulation of localization	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	1,28192E-10	1,5335E-08	6,27813E-11	1,3969E-09	[2, 3]	Group148	4,45	133,00

GO:0040012	regulation of locomotion	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	1,89996E-12	1,81826E-09	6,27813E-11	1,3969E-09	[2, 3]	Group148	6,58	68,00
GO:0048870	cell motility	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	1,18486E-09	6,29948E-08	6,27813E-11	1,3969E-09	[2, 3]	Group148	5,00	90,00
GO:0051239	regulation of multicellular organismal process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	8,97701E-09	2,60333E-07	6,27813E-11	1,3969E-09	[2, 3]	Group148	4,10	140,00
GO:0032880	regulation of protein localization	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,001417178	0,004660617	6,27813E-11	1,3969E-09	[3, 4]	Group148	4,12	47,00
GO:0051049	regulation of transport	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	6,30185E-05	0,00041881	6,27813E-11	1,3969E-09	[3, 4]	Group148	4,00	81,00
GO:0051050	positive regulation of transport	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,001033711	0,003597314	6,27813E-11	1,3969E-09	[2, 3, 4, 5]	Group148	4,20	46,00
GO:0051270	regulation of cellular component movement	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	4,42024E-11	2,11509E-08	6,27813E-11	1,3969E-09	[3, 4]	Group148	6,18	67,00
GO:0060341	regulation of cellular localization	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000142641	0,000812543	6,27813E-11	1,3969E-09	[3, 4]	Group148	4,51	49,00
GO:0040013	negative regulation of locomotion	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,002997997	0,008104755	5,61565E-11	1,428E-09	[2, 3, 4]	Group082	5,42	18,00
GO:0051270	regulation of cellular component movement	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	4,42024E-11	2,11509E-08	5,61565E-11	1,428E-09	[3, 4]	Group082	6,18	67,00
GO:0051271	negative regulation of cellular component movement	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,001396025	0,004606881	5,61565E-11	1,428E-09	[3, 4, 5]	Group082	5,67	19,00
GO:0030336	negative regulation of cell migration	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,001381399	0,00457439	5,61565E-11	1,428E-09	[4, 5, 6, 7]	Group082	5,99	17,00
GO:0002294	CD4-positive, alpha-beta T cell differentiation involved in immune response	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,02291313	0,038135417	7,38011E-11	1,4596E-09	[8, 9, 10, 11, 12, 13]	Group190	8,06	5,00
GO:0040012	regulation of locomotion	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	1,89996E-12	1,81826E-09	7,38011E-11	1,4596E-09	[2, 3]	Group190	6,58	68,00
GO:0045321	leukocyte activation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	7,48312E-05	0,000477423	7,38011E-11	1,4596E-09	[2, 3]	Group190	4,32	61,00
GO:0048870	cell motility	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	1,18486E-09	6,29948E-08	7,38011E-11	1,4596E-09	[2, 3]	Group190	5,00	90,00
GO:0031589	cell-substrate adhesion	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	3,26496E-10	3,47175E-08	7,38011E-11	1,4596E-09	[3]	Group190	9,07	34,00
GO:0051241	negative regulation of multicellular organismal process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,001074145	0,003697685	7,38011E-11	1,4596E-09	[2, 3, 4]	Group190	4,04	53,00
GO:0098609	cell-cell adhesion	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	3,39098E-08	6,76077E-07	7,38011E-11	1,4596E-09	[3]	Group190	5,86	53,00
GO:0002262	myeloid cell homeostasis	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000130379	0,000760808	7,38011E-11	1,4596E-09	[2, 5]	Group190	8,38	14,00
GO:0030155	regulation of cell adhesion	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	1,32928E-08	3,34768E-07	7,38011E-11	1,4596E-09	[3, 4]	Group190	6,36	48,00
GO:0045595	regulation of cell differentiation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	5,09874E-05	0,000353586	7,38011E-11	1,4596E-09	[3, 4]	Group190	4,04	80,00
GO:0046649	lymphocyte activation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,001648926	0,0052426	7,38011E-11	1,4596E-09	[3, 4]	Group190	4,41	36,00

GO:0051270	regulation of cellular component movement	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	4,42024E-11	2,11509E-08	7,38011E-11	1,4596E-09	[3, 4]	Group190	6,18	67,00
GO:0002520	immune system development	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	5,84203E-07	7,76503E-06	7,38011E-11	1,4596E-09	[2, 4, 5]	Group190	5,23	56,00
GO:0007159	leukocyte cell-cell adhesion	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000792809	0,002952212	7,38011E-11	1,4596E-09	[4]	Group190	5,68	21,00
GO:0007160	cell-matrix adhesion	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	2,11574E-08	4,70876E-07	7,38011E-11	1,4596E-09	[4]	Group190	10,00	24,00
GO:0007162	negative regulation of cell adhesion	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000116516	0,000701296	7,38011E-11	1,4596E-09	[3, 4, 5]	Group190	6,73	20,00
GO:0045785	positive regulation of cell adhesion	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	2,56997E-05	0,000201595	7,38011E-11	1,4596E-09	[3, 4, 5]	Group190	6,18	28,00
GO:0048872	homeostasis of number of cells	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,00023294	0,001161058	7,38011E-11	1,4596E-09	[4]	Group190	6,57	19,00
GO:0050866	negative regulation of cell activation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,024882277	0,040497176	7,38011E-11	1,4596E-09	[3, 4, 5]	Group190	5,16	11,00
GO:0002285	lymphocyte activation involved in immune response	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,004762104	0,01147943	7,38011E-11	1,4596E-09	[4, 5]	Group190	6,25	12,00
GO:0010810	regulation of cell-substrate adhesion	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	3,73914E-05	0,000273157	7,38011E-11	1,4596E-09	[4, 5]	Group190	7,83	18,00
GO:0022407	regulation of cell-cell adhesion	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	9,88883E-08	1,57727E-06	7,38011E-11	1,4596E-09	[4, 5]	Group190	7,37	33,00
GO:0034101	erythrocyte homeostasis	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000242113	0,00120053	7,38011E-11	1,4596E-09	[3, 6]	Group190	8,82	12,00
GO:0042110	T cell activation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,002095667	0,006306772	7,38011E-11	1,4596E-09	[4, 5]	Group190	4,90	25,00
GO:0048534	hematopoietic or lymphoid organ development	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	2,0816E-05	0,000167403	7,38011E-11	1,4596E-09	[3, 4, 5, 6]	Group190	4,88	49,00
GO:0010811	positive regulation of cell-substrate adhesion	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,002776	0,007700383	7,38011E-11	1,4596E-09	[4, 5, 6]	Group190	7,46	10,00
GO:0022408	negative regulation of cell-cell adhesion	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000468324	0,001983124	7,38011E-11	1,4596E-09	[4, 5, 6]	Group190	7,41	14,00
GO:0022409	positive regulation of cell-cell adhesion	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000265458	0,001296139	7,38011E-11	1,4596E-09	[4, 5, 6]	Group190	6,51	19,00
GO:0051249	regulation of lymphocyte activation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,021119829	0,035836305	7,38011E-11	1,4596E-09	[4, 5, 6]	Group190	4,14	23,00
GO:0030097	hemopoiesis	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	2,93906E-05	0,000225015	7,38011E-11	1,4596E-09	[4, 5, 6, 7]	Group190	4,89	47,00
GO:0051250	negative regulation of lymphocyte activation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,02252461	0,037685405	7,38011E-11	1,4596E-09	[4, 5, 6, 7]	Group190	5,73	9,00
GO:1903037	regulation of leukocyte cell-cell adhesion	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000205795	0,001042039	7,38011E-11	1,4596E-09	[5, 6]	Group190	6,29	21,00
GO:1903706	regulation of hemopoiesis	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,007959014	0,017271601	7,38011E-11	1,4596E-09	[3, 4, 5, 6, 7, 8]	Group190	4,53	23,00
GO:0002521	leukocyte differentiation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,00341803	0,008912955	7,38011E-11	1,4596E-09	[4, 5, 6, 7, 8]	Group190	4,66	26,00

GO:0030099	myeloid cell differentiation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	6,2456E-06	5,97704E-05	7,38011E-11	1,4596E-09	[4, 5, 6, 7, 8]	Group190	6,55	29,00
GO:0050863	regulation of T cell activation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,011387548	0,022656724	7,38011E-11	1,4596E-09	[5, 6, 7]	Group190	4,84	17,00
GO:1903038	negative regulation of leukocyte cell-cell adhesion	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,023751667	0,039055575	7,38011E-11	1,4596E-09	[5, 6, 7]	Group190	6,02	8,00
GO:1903039	positive regulation of leukocyte cell-cell adhesion	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,005321251	0,012512132	7,38011E-11	1,4596E-09	[5, 6, 7]	Group190	5,71	14,00
GO:1903556	negative regulation of tumor necrosis factor superfamily cytokine production	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,029100992	0,045283981	7,38011E-11	1,4596E-09	[4, 5, 6, 7, 8]	Group190	7,58	5,00
GO:0030098	lymphocyte differentiation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,005579029	0,013022271	7,38011E-11	1,4596E-09	[4, 5, 6, 7, 8, 9]	Group190	5,00	19,00
GO:0030218	erythrocyte differentiation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,001763233	0,005550702	7,38011E-11	1,4596E-09	[4, 5, 6, 7, 8, 9]	Group190	7,94	10,00
GO:0045637	regulation of myeloid cell differentiation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,023358641	0,038541757	7,38011E-11	1,4596E-09	[4, 5, 6, 7, 8, 9]	Group190	4,89	13,00
GO:0061515	myeloid cell development	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000976749	0,003436575	7,38011E-11	1,4596E-09	[4, 5, 6, 7, 8, 9]	Group190	10,26	8,00
GO:0002573	myeloid leukocyte differentiation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,002206373	0,00653715	7,38011E-11	1,4596E-09	[5, 6, 7, 8, 9]	Group190	6,31	14,00
GO:0030183	B cell differentiation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,029878801	0,04604511	7,38011E-11	1,4596E-09	[5, 6, 7, 8, 9, 10]	Group190	5,76	8,00
GO:0030316	osteoclast differentiation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,02034726	0,034772012	7,38011E-11	1,4596E-09	[6, 7, 8, 9, 10]	Group190	6,67	7,00
GO:0050860	negative regulation of T cell receptor signaling pathway	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,00033793	0,001562316	7,38011E-11	1,4596E-09	[4, 5, 6, 7, 8, 9, 10, 11, 12]	Group190	20,83	5,00
GO:0044092	negative regulation of molecular function	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,001134739	0,003864575	8,69098E-11	1,547E-09	[3]	Group188	4,07	51,00
GO:0050790	regulation of catalytic activity	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	1,121E-08	3,06514E-07	8,69098E-11	1,547E-09	[3]	Group188	4,41	112,00
GO:0016773	phosphotransferase activity, alcohol group as acceptor	GO_MolecularFunction-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	3,23306E-05	0,000239848	8,69098E-11	1,547E-09	[4]	Group188	4,40	63,00
GO:0019900	kinase binding	GO_MolecularFunction-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,00272406	0,007600365	8,69098E-11	1,547E-09	[4]	Group188	4,35	34,00
GO:0030234	enzyme regulator activity	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000976118	0,003447031	8,69098E-11	1,547E-09	[4]	Group188	4,17	48,00
GO:0043086	negative regulation of catalytic activity	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,003219853	0,008512152	8,69098E-11	1,547E-09	[4]	Group188	4,20	37,00
GO:0051336	regulation of hydrolase activity	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	8,71715E-06	7,94506E-05	8,69098E-11	1,547E-09	[4]	Group188	4,59	63,00
GO:0051338	regulation of transferase activity	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	2,2116E-07	3,30703E-06	8,69098E-11	1,547E-09	[4]	Group188	5,31	58,00
GO:0051246	regulation of protein metabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	1,25694E-08	3,25106E-07	8,69098E-11	1,547E-09	[4, 5]	Group188	4,21	127,00
GO:0032268	regulation of cellular protein metabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	6,44939E-09	2,1283E-07	8,69098E-11	1,547E-09	[4, 5, 6]	Group188	4,32	122,00



GO:0051248	negative regulation of protein metabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000265156	0,001301303	8,69098E-11	1,547E-09	[4, 5, 6]	Group188	4,34	51,00
GO:0051348	negative regulation of transferase activity	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,005998993	0,013800568	8,69098E-11	1,547E-09	[5]	Group188	5,32	16,00
GO:0019220	regulation of phosphate metabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	1,73471E-08	4,04906E-07	8,69098E-11	1,547E-09	[5, 6]	Group188	4,71	91,00
GO:0030162	regulation of proteolysis	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,004999209	0,011901102	8,69098E-11	1,547E-09	[5, 6]	Group188	4,21	33,00
GO:0032269	negative regulation of cellular protein metabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,00020134	0,001035927	8,69098E-11	1,547E-09	[4, 5, 6, 7]	Group188	4,45	49,00
GO:0031399	regulation of protein modification process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	1,07623E-07	1,68845E-06	8,69098E-11	1,547E-09	[5, 6, 7]	Group188	4,55	90,00
GO:0045936	negative regulation of phosphate metabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000540563	0,002239477	8,69098E-11	1,547E-09	[5, 6, 7]	Group188	5,02	30,00
GO:0042325	regulation of phosphorylation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	6,23797E-08	1,10551E-06	8,69098E-11	1,547E-09	[6, 7]	Group188	4,77	82,00
GO:0045861	negative regulation of proteolysis	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,006054374	0,013861331	8,69098E-11	1,547E-09	[5, 6, 7, 8]	Group188	4,96	19,00
GO:0043549	regulation of kinase activity	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	1,8027E-06	2,05379E-05	8,69098E-11	1,547E-09	[5, 7, 8]	Group188	5,25	51,00
GO:0001932	regulation of protein phosphorylation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	1,20031E-07	1,85273E-06	8,69098E-11	1,547E-09	[6, 7, 8]	Group188	4,86	75,00
GO:0042326	negative regulation of phosphorylation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,001627748	0,005192518	8,69098E-11	1,547E-09	[6, 7, 8]	Group188	5,07	24,00
GO:0001933	negative regulation of protein phosphorylation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,004805825	0,011555714	8,69098E-11	1,547E-09	[6, 7, 8, 9]	Group188	4,88	21,00
GO:0004672	protein kinase activity	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	4,63941E-05	0,000324081	8,69098E-11	1,547E-09	[7, 8]	Group188	4,46	58,00
GO:0004693	cyclin-dependent protein serine/threonine kinase activity	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000545112	0,002248586	8,69098E-11	1,547E-09	[5, 6, 9, 10]	Group188	8,59	11,00
GO:0045859	regulation of protein kinase activity	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	1,77981E-05	0,000148111	8,69098E-11	1,547E-09	[6, 7, 8, 9]	Group188	5,12	44,00
GO:0052548	regulation of endopeptidase activity	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000937128	0,003333945	8,69098E-11	1,547E-09	[6, 7, 8, 9]	Group188	5,29	24,00
GO:2000134	negative regulation of G1/S transition of mitotic cell cycle	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,022311579	0,037394363	8,69098E-11	1,547E-09	[6, 7, 8, 9]	Group188	6,54	7,00
GO:0000079	regulation of cyclin-dependent protein serine/threonine kinase activity	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,001520331	0,004948833	8,69098E-11	1,547E-09	[5, 6, 7, 8, 9, 10, 11]	Group188	8,74	9,00
GO:0045736	negative regulation of cyclin-dependent protein serine/threonine kinase activity	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,007393209	0,016265061	8,69098E-11	1,547E-09	[4, 5, 6, 7, 8, 9, 10, 11, 12]	Group188	13,33	4,00
GO:0006469	negative regulation of protein kinase activity	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,012703408	0,02460964	8,69098E-11	1,547E-09	[7, 8, 9, 10]	Group188	5,31	13,00
GO:0010951	negative regulation of endopeptidase activity	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,013479644	0,025748543	8,69098E-11	1,547E-09	[7, 8, 9, 10]	Group188	5,11	14,00
GO:0071900	regulation of protein serine/threonine kinase activity	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	6,17963E-05	0,00041356	8,69098E-11	1,547E-09	[7, 8, 9, 10]	Group188	5,61	31,00

GO:0012501	programmed cell death	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	9,88592E-07	1,19757E-05	1,12394E-10	1,6672E-09	[3]	Group180	4,27	94,00
GO:0048584	positive regulation of response to stimulus	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	2,07976E-07	3,15925E-06	1,12394E-10	1,6672E-09	[2, 3, 4]	Group180	4,21	109,00
GO:0051094	positive regulation of developmental process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	8,57256E-07	1,07947E-05	1,12394E-10	1,6672E-09	[2, 3, 4]	Group180	4,74	70,00
GO:0010941	regulation of cell death	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	3,69996E-07	5,20716E-06	1,12394E-10	1,6672E-09	[3, 4]	Group180	4,57	82,00
GO:0042127	regulation of cell population proliferation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	9,02399E-10	5,75731E-08	1,12394E-10	1,6672E-09	[3, 4]	Group180	5,05	89,00
GO:0008284	positive regulation of cell population proliferation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	8,18119E-08	1,37358E-06	1,12394E-10	1,6672E-09	[3, 4, 5]	Group180	5,61	55,00
GO:0010942	positive regulation of cell death	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	5,54439E-06	5,52706E-05	1,12394E-10	1,6672E-09	[3, 4, 5]	Group180	5,53	41,00
GO:0045597	positive regulation of cell differentiation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,00015702	0,000878762	1,12394E-10	1,6672E-09	[3, 4, 5]	Group180	4,52	48,00
GO:0060548	negative regulation of cell death	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	6,67908E-06	6,3286E-05	1,12394E-10	1,6672E-09	[3, 4, 5]	Group180	4,93	53,00
GO:0097190	apoptotic signaling pathway	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	1,38238E-06	1,63326E-05	1,12394E-10	1,6672E-09	[3, 4, 5]	Group180	6,00	39,00
GO:0097191	extrinsic apoptotic signaling pathway	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000831256	0,00305966	1,12394E-10	1,6672E-09	[4, 5, 6]	Group180	6,48	16,00
GO:0097193	intrinsic apoptotic signaling pathway	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000166499	0,000895165	1,12394E-10	1,6672E-09	[4, 5, 6]	Group180	6,56	20,00
GO:0042981	regulation of apoptotic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	1,11326E-06	1,33174E-05	1,12394E-10	1,6672E-09	[5, 6]	Group180	4,59	75,00
GO:2001233	regulation of apoptotic signaling pathway	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,003071183	0,008186971	1,12394E-10	1,6672E-09	[4, 5, 6, 7]	Group180	4,99	22,00
GO:0043065	positive regulation of apoptotic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	5,25908E-05	0,000362082	1,12394E-10	1,6672E-09	[5, 6, 7]	Group180	5,29	36,00
GO:0043066	negative regulation of apoptotic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	2,58132E-05	0,000200839	1,12394E-10	1,6672E-09	[5, 6, 7]	Group180	4,91	47,00
GO:2001234	negative regulation of apoptotic signaling pathway	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,001539791	0,004978311	1,12394E-10	1,6672E-09	[4, 5, 6, 7, 8]	Group180	6,11	16,00
GO:2001236	regulation of extrinsic apoptotic signaling pathway	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,01962244	0,034081079	1,12394E-10	1,6672E-09	[5, 6, 7, 8]	Group180	5,59	10,00
GO:2001242	regulation of intrinsic apoptotic signaling pathway	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,01703891	0,03036543	1,12394E-10	1,6672E-09	[5, 6, 7, 8]	Group180	5,71	10,00
GO:2001237	negative regulation of extrinsic apoptotic signaling pathway	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,012383579	0,024285011	1,12394E-10	1,6672E-09	[5, 6, 7, 8, 9]	Group180	6,78	8,00
GO:2001243	negative regulation of intrinsic apoptotic signaling pathway	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,00920515	0,019361163	1,12394E-10	1,6672E-09	[5, 6, 7, 8, 9]	Group180	7,14	8,00
GO:0050673	epithelial cell proliferation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	3,83793E-06	3,94935E-05	1,07725E-10	1,7432E-09	[3]	Group163	6,71	29,00
GO:0048729	tissue morphogenesis	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	7,67653E-05	0,000486519	1,07725E-10	1,7432E-09	[3, 4]	Group163	5,14	37,00

GO:0035239	tube morphogenesis	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	6,64249E-09	2,11896E-07	1,07725E-10	1,7432E-09	[3, 4, 5]	Group163	6,04	55,00
GO:0001655	urogenital system development	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,00374708	0,009486654	1,07725E-10	1,7432E-09	[4, 5]	Group163	5,19	19,00
GO:0002009	morphogenesis of an epithelium	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000210357	0,001059536	1,07725E-10	1,7432E-09	[4, 5]	Group163	5,24	31,00
GO:0050679	positive regulation of epithelial cell proliferation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,00018895	0,000982745	1,07725E-10	1,7432E-09	[4, 5, 6]	Group163	7,41	16,00
GO:0060562	epithelial tube morphogenesis	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,025199339	0,040805023	1,07725E-10	1,7432E-09	[4, 5, 6]	Group163	4,51	16,00
GO:0072001	renal system development	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,010179704	0,02081619	1,07725E-10	1,7432E-09	[4, 5, 6]	Group163	5,02	16,00
GO:0001822	kidney development	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,032703687	0,049209792	1,07725E-10	1,7432E-09	[4, 5, 6, 7]	Group163	4,55	14,00
GO:0072073	kidney epithelium development	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,008775524	0,018580036	1,07725E-10	1,7432E-09	[5, 6, 7, 8]	Group163	6,33	10,00
GO:0035850	epithelial cell differentiation involved in kidney development	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,002283362	0,006702997	1,07725E-10	1,7432E-09	[5, 6, 7, 8, 9]	Group163	11,54	6,00
GO:0072015	glomerular visceral epithelial cell development	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,005222608	0,012340829	1,07725E-10	1,7432E-09	[6, 7, 8, 9, 10, 11, 12, 13]	Group163	21,43	3,00
GO:0007166	cell surface receptor signaling pathway	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	2,092E-08	4,76678E-07	1,63315E-10	1,938E-09	[3, 4, 5]	Group171	4,08	137,00
GO:0070848	response to growth factor	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	1,15067E-05	0,000101962	1,63315E-10	1,938E-09	[4]	Group171	5,37	41,00
GO:0090287	regulation of cellular response to growth factor stimulus	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,00110216	0,003767027	1,63315E-10	1,938E-09	[3, 4, 6]	Group171	5,94	18,00
GO:0009967	positive regulation of signal transduction	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	4,99385E-09	1,91165E-07	1,63315E-10	1,938E-09	[3, 4, 5, 6]	Group171	4,92	87,00
GO:0007167	enzyme linked receptor protein signaling pathway	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	3,81246E-06	3,96579E-05	1,63315E-10	1,938E-09	[4, 5, 6]	Group171	4,96	55,00
GO:0071363	cellular response to growth factor stimulus	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	2,22323E-05	0,000175837	1,63315E-10	1,938E-09	[5]	Group171	5,33	39,00
GO:0007169	transmembrane receptor protein tyrosine kinase signaling pathway	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,00012082	0,000718164	1,63315E-10	1,938E-09	[5, 6, 7]	Group171	4,97	38,00
GO:0045937	positive regulation of phosphate metabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	1,12601E-09	6,73495E-08	1,63315E-10	1,938E-09	[5, 6, 7]	Group171	5,60	70,00
GO:0031401	positive regulation of protein modification process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	7,84556E-08	1,34075E-06	1,63315E-10	1,938E-09	[5, 6, 7, 8]	Group171	5,11	68,00
GO:0042325	regulation of phosphorylation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	6,23797E-08	1,10551E-06	1,63315E-10	1,938E-09	[6, 7]	Group171	4,77	82,00
GO:0001932	regulation of protein phosphorylation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	1,20031E-07	1,85273E-06	1,63315E-10	1,938E-09	[6, 7, 8]	Group171	4,86	75,00
GO:0042327	positive regulation of phosphorylation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	3,4551E-08	6,74801E-07	1,63315E-10	1,938E-09	[6, 7, 8]	Group171	5,40	63,00
GO:0001934	positive regulation of protein phosphorylation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	4,44036E-07	6,07061E-06	1,63315E-10	1,938E-09	[6, 7, 8, 9]	Group171	5,24	57,00

GO:0043408	regulation of MAPK cascade	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	3,12878E-06	3,36432E-05	1,63315E-10	1,938E-09	[5, 6, 7, 8, 9, 10]	Group171	5,54	43,00
GO:0043410	positive regulation of MAPK cascade	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	2,28998E-07	3,37156E-06	1,63315E-10	1,938E-09	[5, 6, 7, 8, 9, 10, 11]	Group171	6,54	38,00
GO:0051239	regulation of multicellular organismal process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	8,97701E-09	2,60333E-07	1,42071E-10	1,9453E-09	[2, 3]	Group127	4,10	140,00
GO:0048585	negative regulation of response to stimulus	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	1,4974E-08	3,67438E-07	1,42071E-10	1,9453E-09	[2, 3, 4]	Group127	4,85	85,00
GO:0051093	negative regulation of developmental process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,002781123	0,007692298	1,42071E-10	1,9453E-09	[2, 3, 4]	Group127	4,07	43,00
GO:0051241	negative regulation of multicellular organismal process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,001074145	0,003697685	1,42071E-10	1,9453E-09	[2, 3, 4]	Group127	4,04	53,00
GO:2000026	regulation of multicellular organismal development	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	3,43602E-09	1,42968E-07	1,42071E-10	1,9453E-09	[3, 4]	Group127	4,64	103,00
GO:0002521	leukocyte differentiation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,00341803	0,008912955	1,42071E-10	1,9453E-09	[4, 5, 6, 7, 8]	Group127	4,66	26,00
GO:0050793	regulation of developmental process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	1,13592E-09	6,39455E-08	1,53186E-10	1,9476E-09	[2, 3]	Group126	4,42	124,00
GO:0051093	negative regulation of developmental process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,002781123	0,007692298	1,53186E-10	1,9476E-09	[2, 3, 4]	Group126	4,07	43,00
GO:0051241	negative regulation of multicellular organismal process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,001074145	0,003697685	1,53186E-10	1,9476E-09	[2, 3, 4]	Group126	4,04	53,00
GO:2000026	regulation of multicellular organismal development	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	3,43602E-09	1,42968E-07	1,53186E-10	1,9476E-09	[3, 4]	Group126	4,64	103,00
GO:0035239	tube morphogenesis	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	6,64249E-09	2,11896E-07	1,53186E-10	1,9476E-09	[3, 4, 5]	Group126	6,04	55,00
GO:0048514	blood vessel morphogenesis	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	9,25827E-09	2,60593E-07	1,53186E-10	1,9476E-09	[4, 5, 6, 7, 8, 9]	Group126	6,76	44,00
GO:0032879	regulation of localization	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	1,28192E-10	1,5335E-08	1,94136E-10	2,1598E-09	[2, 3]	Group179	4,45	133,00
GO:0140352	export from cell	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	9,53733E-05	0,000588853	1,94136E-10	2,1598E-09	[2, 4]	Group179	4,10	71,00
GO:0032880	regulation of protein localization	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,001417178	0,004660617	1,94136E-10	2,1598E-09	[3, 4]	Group179	4,12	47,00
GO:0051049	regulation of transport	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	6,30185E-05	0,00041881	1,94136E-10	2,1598E-09	[3, 4]	Group179	4,00	81,00
GO:0051050	positive regulation of transport	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,001033711	0,003597314	1,94136E-10	2,1598E-09	[2, 3, 4, 5]	Group179	4,20	46,00
GO:0060341	regulation of cellular localization	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000142641	0,000812543	1,94136E-10	2,1598E-09	[3, 4]	Group179	4,51	49,00
GO:0034762	regulation of transmembrane transport	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,009670558	0,020031869	1,94136E-10	2,1598E-09	[3, 4, 5]	Group179	4,29	26,00
GO:1904951	positive regulation of establishment of protein localization	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,032269876	0,048864357	1,94136E-10	2,1598E-09	[2, 3, 4, 5, 6]	Group179	4,05	21,00
GO:0043269	regulation of ion transport	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,013630096	0,025880955	1,94136E-10	2,1598E-09	[4, 5]	Group179	4,02	30,00

GO:0043270	positive regulation of ion transport	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,029049521	0,045351375	1,94136E-10	2,1598E-09	[3, 4, 5, 6]	Group179	4,62	14,00
GO:0070201	regulation of establishment of protein localization	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,004486383	0,01086954	1,94136E-10	2,1598E-09	[4, 5]	Group179	4,18	35,00
GO:1903827	regulation of cellular protein localization	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,014565298	0,026805751	1,94136E-10	2,1598E-09	[4, 5]	Group179	4,19	25,00
GO:1903829	positive regulation of cellular protein localization	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,025775954	0,04145813	1,94136E-10	2,1598E-09	[3, 4, 5, 6]	Group179	4,49	16,00
GO:0072657	protein localization to membrane	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,00820952	0,017734786	1,94136E-10	2,1598E-09	[5]	Group179	4,22	29,00
GO:0090087	regulation of peptide transport	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,009193194	0,019378606	1,94136E-10	2,1598E-09	[4, 5, 6, 7]	Group179	4,01	34,00
GO:0009306	protein secretion	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,017033646	0,030412685	1,94136E-10	2,1598E-09	[4, 5, 6, 7, 8]	Group179	4,05	27,00
GO:0050663	cytokine secretion	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,028077139	0,044266593	1,94136E-10	2,1598E-09	[3, 4, 5, 6, 7, 8, 9]	Group179	4,76	13,00
GO:0072659	protein localization to plasma membrane	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,010597887	0,021351954	1,94136E-10	2,1598E-09	[6]	Group179	5,12	15,00
GO:1903747	regulation of establishment of protein localization to mitochondrion	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,016363574	0,029491413	1,94136E-10	2,1598E-09	[5, 6, 7, 8]	Group179	7,69	6,00
GO:0070838	divalent metal ion transport	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,001574539	0,005056488	1,94136E-10	2,1598E-09	[7]	Group179	4,93	26,00
GO:0060402	calcium ion transport into cytosol	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000377397	0,001703626	1,94136E-10	2,1598E-09	[4, 10, 12]	Group179	7,57	14,00
GO:0030198	extracellular matrix organization	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	4,35711E-10	3,4748E-08	4,35711E-10	4,5622E-09	[5]	Group042	8,77	35,00
GO:0009653	anatomical structure morphogenesis	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	9,29458E-11	1,48249E-08	4,8189E-10	4,7654E-09	[2, 3]	Group184	4,51	130,00
GO:0009888	tissue development	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	5,58784E-08	1,00898E-06	4,8189E-10	4,7654E-09	[3]	Group184	4,48	98,00
GO:0048646	anatomical structure formation involved in morphogenesis	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	2,69379E-08	5,60425E-07	4,8189E-10	4,7654E-09	[2, 3, 4]	Group184	5,40	64,00
GO:0051093	negative regulation of developmental process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,002781123	0,007692298	4,8189E-10	4,7654E-09	[2, 3, 4]	Group184	4,07	43,00
GO:0009790	embryo development	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000211308	0,001058752	4,8189E-10	4,7654E-09	[3, 4]	Group184	4,41	50,00
GO:0022603	regulation of anatomical structure morphogenesis	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	5,07994E-07	6,84718E-06	4,8189E-10	4,7654E-09	[3, 4]	Group184	5,11	60,00
GO:0035295	tube development	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	2,65621E-08	5,64888E-07	4,8189E-10	4,7654E-09	[3, 4]	Group184	5,48	62,00
GO:0048729	tissue morphogenesis	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	7,67653E-05	0,000486519	4,8189E-10	4,7654E-09	[3, 4]	Group184	5,14	37,00
GO:2000026	regulation of multicellular organismal development	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	3,43602E-09	1,42968E-07	4,8189E-10	4,7654E-09	[3, 4]	Group184	4,64	103,00
GO:0035239	tube morphogenesis	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	6,64249E-09	2,11896E-07	4,8189E-10	4,7654E-09	[3, 4, 5]	Group184	6,04	55,00

GO:0048598	embryonic morphogenesis	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000934627	0,003362548	4,8189E-10	4,7654E-09	[3, 4, 5]	Group184	4,79	31,00
GO:0060429	epithelium development	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	5,08926E-06	5,18131E-05	4,8189E-10	4,7654E-09	[4]	Group184	4,64	64,00
GO:0002009	morphogenesis of an epithelium	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000210357	0,001059536	4,8189E-10	4,7654E-09	[4, 5]	Group184	5,24	31,00
GO:0009887	animal organ morphogenesis	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000679847	0,002644772	4,8189E-10	4,7654E-09	[3, 4, 5, 6]	Group184	4,21	49,00
GO:0030855	epithelial cell differentiation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,00043345	0,001885508	4,8189E-10	4,7654E-09	[4, 5]	Group184	4,66	38,00
GO:0072359	circulatory system development	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	3,81703E-07	5,29405E-06	4,8189E-10	4,7654E-09	[4, 5]	Group184	5,15	60,00
GO:0001704	formation of primary germ layer	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,008327947	0,017869608	4,8189E-10	4,7654E-09	[3, 4, 5, 6, 7]	Group184	6,77	9,00
GO:0002064	epithelial cell development	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	3,30027E-06	3,50928E-05	4,8189E-10	4,7654E-09	[4, 5, 6]	Group184	8,62	20,00
GO:0007369	gastrulation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,00706902	0,015696175	4,8189E-10	4,7654E-09	[4, 5, 6]	Group184	5,94	12,00
GO:0060562	epithelial tube morphogenesis	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,025199339	0,040805023	4,8189E-10	4,7654E-09	[4, 5, 6]	Group184	4,51	16,00
GO:0001944	vasculature development	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	3,67366E-09	1,46487E-07	4,8189E-10	4,7654E-09	[4, 5, 6, 7]	Group184	6,47	50,00
GO:0001568	blood vessel development	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	7,05492E-09	2,10986E-07	4,8189E-10	4,7654E-09	[3, 5, 6, 7, 8]	Group184	6,49	48,00
GO:1901342	regulation of vasculature development	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	1,26962E-05	0,00011147	4,8189E-10	4,7654E-09	[4, 5, 6, 7, 8]	Group184	6,85	25,00
GO:0001525	angiogenesis	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	5,95789E-09	2,11174E-07	4,8189E-10	4,7654E-09	[3, 4, 5, 6, 7, 8, 9, 10]	Group184	7,27	40,00
GO:0048514	blood vessel morphogenesis	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	9,25827E-09	2,60593E-07	4,8189E-10	4,7654E-09	[4, 5, 6, 7, 8, 9]	Group184	6,76	44,00
GO:0045765	regulation of angiogenesis	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	5,97633E-05	0,000405628	4,8189E-10	4,7654E-09	[4, 5, 6, 7, 8, 9, 10, 11]	Group184	6,69	22,00
GO:0044092	negative regulation of molecular function	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,001134739	0,003864575	6,09514E-10	5,7102E-09	[3]	Group177	4,07	51,00
GO:0044093	positive regulation of molecular function	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	6,68997E-11	1,28046E-08	6,09514E-10	5,7102E-09	[3]	Group177	5,07	99,00
GO:0050790	regulation of catalytic activity	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	1,121E-08	3,06514E-07	6,09514E-10	5,7102E-09	[3]	Group177	4,41	112,00
GO:0030234	enzyme regulator activity	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000976118	0,003447031	6,09514E-10	5,7102E-09	[4]	Group177	4,17	48,00
GO:0043085	positive regulation of catalytic activity	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	1,27347E-09	6,09358E-08	6,09514E-10	5,7102E-09	[4]	Group177	5,20	82,00
GO:0043086	negative regulation of catalytic activity	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,003219853	0,008512152	6,09514E-10	5,7102E-09	[4]	Group177	4,20	37,00
GO:0051020	GTPase binding	GO_MolecularFunction-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,012022416	0,023673771	6,09514E-10	5,7102E-09	[4]	Group177	4,26	25,00
GO:0051336	regulation of hydrolase activity	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	8,71715E-06	7,94506E-05	6,09514E-10	5,7102E-09	[4]	Group177	4,59	63,00

GO:0007264	small GTPase mediated signal transduction	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,002490827	0,007158323	6,09514E-10	5,7102E-09	[4, 5, 6]	Group177	4,65	28,00
GO:0008047	enzyme activator activity	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000987177	0,003460544	6,09514E-10	5,7102E-09	[5]	Group177	4,96	28,00
GO:0043087	regulation of GTPase activity	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000172834	0,000924034	6,09514E-10	5,7102E-09	[5]	Group177	5,53	28,00
GO:0051345	positive regulation of hydrolase activity	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	9,69574E-06	8,7536E-05	6,09514E-10	5,7102E-09	[5]	Group177	5,30	43,00
GO:0060589	nucleoside-triphosphatase regulator activity	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,003531843	0,009110441	6,09514E-10	5,7102E-09	[5]	Group177	5,22	19,00
GO:0030162	regulation of proteolysis	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,004999209	0,011901102	6,09514E-10	5,7102E-09	[5, 6]	Group177	4,21	33,00
GO:0043547	positive regulation of GTPase activity	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000437988	0,001896626	6,09514E-10	5,7102E-09	[6]	Group177	5,58	24,00
GO:0005096	GTPase activator activity	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,004219768	0,010354661	6,09514E-10	5,7102E-09	[6, 7]	Group177	5,52	16,00
GO:0045862	positive regulation of proteolysis	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,023925476	0,039273895	6,09514E-10	5,7102E-09	[5, 6, 7, 8]	Group177	4,45	17,00
GO:0010952	positive regulation of peptidase activity	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000395714	0,001777926	6,09514E-10	5,7102E-09	[6, 7, 8, 9]	Group177	7,21	15,00
GO:0052548	regulation of endopeptidase activity	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000937128	0,003333945	6,09514E-10	5,7102E-09	[6, 7, 8, 9]	Group177	5,29	24,00
GO:0043280	positive regulation of cysteine-type endopeptidase activity involved in apoptotic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000360827	0,001652209	6,09514E-10	5,7102E-09	[6, 7, 8, 9, 10, 11, 12]	Group177	8,45	12,00
GO:0023051	regulation of signaling	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	4,33256E-10	3,76933E-08	6,94518E-10	6,1812E-09	[2, 3]	Group154	4,12	158,00
GO:0010033	response to organic substance	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	4,09467E-08	7,68353E-07	6,94518E-10	6,1812E-09	[3]	Group154	4,00	141,00
GO:0010646	regulation of cell communication	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	3,57848E-10	3,4246E-08	6,94518E-10	6,1812E-09	[3, 4]	Group154	4,14	157,00
GO:0007166	cell surface receptor signaling pathway	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	2,092E-08	4,76678E-07	6,94518E-10	6,1812E-09	[3, 4, 5]	Group154	4,08	137,00
GO:0034097	response to cytokine	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	2,97291E-07	4,31072E-06	6,94518E-10	6,1812E-09	[4]	Group154	5,05	64,00
GO:0071310	cellular response to organic substance	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	3,0656E-08	6,24208E-07	6,94518E-10	6,1812E-09	[4]	Group154	4,21	122,00
GO:0019221	cytokine-mediated signaling pathway	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000164126	0,000887395	6,94518E-10	6,1812E-09	[4, 5, 6]	Group154	4,81	40,00
GO:0070555	response to interleukin-1	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	1,33456E-05	0,000114034	6,94518E-10	6,1812E-09	[5]	Group154	8,45	18,00
GO:0071345	cellular response to cytokine stimulus	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	2,34572E-06	2,55097E-05	6,94518E-10	6,1812E-09	[5]	Group154	4,94	58,00
GO:0071363	cellular response to growth factor stimulus	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	2,22323E-05	0,000175837	6,94518E-10	6,1812E-09	[5]	Group154	5,33	39,00
GO:0048870	cell motility	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	1,18486E-09	6,29948E-08	7,52287E-10	6,3765E-09	[2, 3]	Group175	5,00	90,00

GO:0031589	cell-substrate adhesion	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	3,26496E-10	3,47175E-08	7,52287E-10	6,3765E-09	[3]	Group175	9,07	34,00
GO:0030155	regulation of cell adhesion	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	1,32928E-08	3,34768E-07	7,52287E-10	6,3765E-09	[3, 4]	Group175	6,36	48,00
GO:0007160	cell-matrix adhesion	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	2,11574E-08	4,70876E-07	7,52287E-10	6,3765E-09	[4]	Group175	10,00	24,00
GO:0034330	cell junction organization	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	6,16658E-05	0,000415593	7,52287E-10	6,3765E-09	[4]	Group175	5,08	39,00
GO:0045785	positive regulation of cell adhesion	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	2,56997E-05	0,000201595	7,52287E-10	6,3765E-09	[3, 4, 5]	Group175	6,18	28,00
GO:0010810	regulation of cell-substrate adhesion	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	3,73914E-05	0,000273157	7,52287E-10	6,3765E-09	[4, 5]	Group175	7,83	18,00
GO:0010811	positive regulation of cell-substrate adhesion	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,002776	0,007700383	7,52287E-10	6,3765E-09	[4, 5, 6]	Group175	7,46	10,00
GO:0010812	negative regulation of cell-substrate adhesion	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,032554209	0,04921703	7,52287E-10	6,3765E-09	[4, 5, 6]	Group175	7,35	5,00
GO:0034329	cell junction assembly	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000284442	0,001361054	7,52287E-10	6,3765E-09	[5]	Group175	5,54	26,00
GO:1901888	regulation of cell junction assembly	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,029677309	0,045956612	7,52287E-10	6,3765E-09	[4, 5, 6]	Group175	5,02	11,00
GO:0001952	regulation of cell-matrix adhesion	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	4,35039E-05	0,000308394	7,52287E-10	6,3765E-09	[5, 6]	Group175	9,85	13,00
GO:1901890	positive regulation of cell junction assembly	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,023341313	0,038579684	7,52287E-10	6,3765E-09	[4, 5, 6, 7]	Group175	6,48	7,00
GO:0001954	positive regulation of cell-matrix adhesion	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000936067	0,003342597	7,52287E-10	6,3765E-09	[5, 6, 7]	Group175	11,67	7,00
GO:0007044	cell-substrate junction assembly	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	6,03086E-06	5,82983E-05	7,52287E-10	6,3765E-09	[6]	Group175	11,82	13,00
GO:0048041	focal adhesion assembly	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,00302181	0,00814612	7,52287E-10	6,3765E-09	[5, 7]	Group175	8,60	8,00
GO:0031581	hemidesmosome assembly	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	1,29834E-05	0,000111938	7,52287E-10	6,3765E-09	[7]	Group175	38,46	5,00
GO:0050860	negative regulation of T cell receptor signaling pathway	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,00033793	0,001562316	7,52287E-10	6,3765E-09	[4, 5, 6, 7, 8, 9, 10, 11, 12]	Group175	20,83	5,00
GO:0004713	protein tyrosine kinase activity	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,017674305	0,031322796	7,52287E-10	6,3765E-09	[8, 9, 10]	Group175	5,08	13,00
GO:0033002	muscle cell proliferation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	3,12928E-05	0,000233963	1,83274E-09	1,4829E-08	[3]	Group122	8,25	17,00
GO:0042127	regulation of cell population proliferation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	9,02399E-10	5,75731E-08	1,83274E-09	1,4829E-08	[3, 4]	Group122	5,05	89,00
GO:0008284	positive regulation of cell population proliferation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	8,18119E-08	1,37358E-06	1,83274E-09	1,4829E-08	[3, 4, 5]	Group122	5,61	55,00
GO:0060548	negative regulation of cell death	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	6,67908E-06	6,3286E-05	1,83274E-09	1,4829E-08	[3, 4, 5]	Group122	4,93	53,00
GO:0050678	regulation of epithelial cell proliferation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	4,34628E-05	0,000310403	1,83274E-09	1,4829E-08	[4, 5]	Group122	6,50	24,00



GO:0050679	positive regulation of epithelial cell proliferation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,00018895	0,000982745	1,83274E-09	1,4829E-08	[4, 5, 6]	Group122	7,41	16,00
GO:0070848	response to growth factor	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	1,15067E-05	0,000101962	2,70404E-09	2,0927E-08	[4]	Group160	5,37	41,00
GO:0071310	cellular response to organic substance	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	3,0656E-08	6,24208E-07	2,70404E-09	2,0927E-08	[4]	Group160	4,21	122,00
GO:0090287	regulation of cellular response to growth factor stimulus	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,00110216	0,003767027	2,70404E-09	2,0927E-08	[3, 4, 6]	Group160	5,94	18,00
GO:0007167	enzyme linked receptor protein signaling pathway	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	3,81246E-06	3,96579E-05	2,70404E-09	2,0927E-08	[4, 5, 6]	Group160	4,96	55,00
GO:0071363	cellular response to growth factor stimulus	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	2,22323E-05	0,000175837	2,70404E-09	2,0927E-08	[5]	Group160	5,33	39,00
GO:0071560	cellular response to transforming growth factor beta stimulus	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,006329319	0,014387551	2,70404E-09	2,0927E-08	[4, 6]	Group160	5,60	14,00
GO:0090288	negative regulation of cellular response to growth factor stimulus	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,012154936	0,023885572	2,70404E-09	2,0927E-08	[3, 4, 5, 6, 7]	Group160	6,02	10,00
GO:0007169	transmembrane receptor protein tyrosine kinase signaling pathway	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,00012082	0,000718164	2,70404E-09	2,0927E-08	[5, 6, 7]	Group160	4,97	38,00
GO:0090092	regulation of transmembrane receptor protein serine/threonine kinase signaling pathway	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,018717377	0,032806829	2,70404E-09	2,0927E-08	[4, 5, 6, 7, 8]	Group160	5,04	13,00
GO:0030510	regulation of BMP signaling pathway	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,013690378	0,025892671	2,70404E-09	2,0927E-08	[4, 5, 6, 7, 8, 9]	Group160	7,22	7,00
GO:0030513	positive regulation of BMP signaling pathway	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,016912684	0,030253155	2,70404E-09	2,0927E-08	[5, 6, 7, 8, 9, 10]	Group160	10,53	4,00
GO:0001935	endothelial cell proliferation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,003633375	0,00934715	3,62156E-09	2,686E-08	[4]	Group161	6,79	11,00
GO:1901342	regulation of vasculature development	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	1,26962E-05	0,00011147	3,62156E-09	2,686E-08	[4, 5, 6, 7, 8]	Group161	6,85	25,00
GO:1901343	negative regulation of vasculature development	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,028789286	0,045166142	3,62156E-09	2,686E-08	[3, 4, 5, 6, 7, 8, 9]	Group161	5,80	8,00
GO:0001525	angiogenesis	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	5,95789E-09	2,11174E-07	3,62156E-09	2,686E-08	[3, 4, 5, 6, 7, 8, 9, 10]	Group161	7,27	40,00
GO:0043534	blood vessel endothelial cell migration	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,00532592	0,012492415	3,62156E-09	2,686E-08	[6, 7, 8]	Group161	7,26	9,00
GO:0043535	regulation of blood vessel endothelial cell migration	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,004171744	0,010316174	3,62156E-09	2,686E-08	[5, 6, 7, 8, 9]	Group161	8,16	8,00
GO:0002040	sprouting angiogenesis	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,00041584	0,001833911	3,62156E-09	2,686E-08	[4, 5, 6, 7, 8, 9, 10, 11]	Group161	8,87	11,00
GO:0045765	regulation of angiogenesis	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	5,97633E-05	0,000405628	3,62156E-09	2,686E-08	[4, 5, 6, 7, 8, 9, 10, 11]	Group161	6,69	22,00
GO:0002043	blood vessel endothelial cell proliferation involved in sprouting angiogenesis	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,00033793	0,001562316	3,62156E-09	2,686E-08	[5, 6, 7, 8, 9, 10, 11, 12]	Group161	20,83	5,00
GO:1903670	regulation of sprouting angiogenesis	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,003441989	0,008951043	3,62156E-09	2,686E-08	[5, 6, 7, 8, 9, 10, 11, 12]	Group161	9,33	7,00

GO:1903671	negative regulation of sprouting angiogenesis	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,032678593	0,04924947	3,62156E-09	2,686E-08	[5, 6, 7, 8, 9, 10, 11, 12, 13]	Group161	11,11	3,00
GO:0050839	cell adhesion molecule binding	GO_MolecularFunction-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	5,04854E-10	3,7165E-08	4,39417E-09	3,1286E-08	[3]	Group074	7,66	42,00
GO:0005178	integrin binding	GO_MolecularFunction-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	8,79082E-07	1,09257E-05	4,39417E-09	3,1286E-08	[3, 4]	Group074	10,76	17,00
GO:0045296	cadherin binding	GO_MolecularFunction-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000159296	0,000886316	4,39417E-09	3,1286E-08	[4]	Group074	6,25	22,00
GO:0007229	integrin-mediated signaling pathway	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,001144356	0,003883505	4,39417E-09	3,1286E-08	[4, 5, 6]	Group074	8,40	10,00
GO:0040012	regulation of locomotion	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	1,89996E-12	1,81826E-09	9,46731E-09	6,4815E-08	[2, 3]	Group152	6,58	68,00
GO:0040017	positive regulation of locomotion	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	2,08823E-09	9,51635E-08	9,46731E-09	6,4815E-08	[2, 3, 4]	Group152	7,20	43,00
GO:0006935	chemotaxis	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,001700784	0,00538957	9,46731E-09	6,4815E-08	[3, 4]	Group152	4,56	32,00
GO:0051270	regulation of cellular component movement	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	4,42024E-11	2,11509E-08	9,46731E-09	6,4815E-08	[3, 4]	Group152	6,18	67,00
GO:0000904	cell morphogenesis involved in differentiation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000202059	0,001034068	9,46731E-09	6,4815E-08	[4, 5]	Group152	4,80	39,00
GO:0120039	plasma membrane bounded cell projection morphogenesis	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,009786652	0,020228567	9,46731E-09	6,4815E-08	[5, 6, 7]	Group152	4,12	30,00
GO:0048667	cell morphogenesis involved in neuron differentiation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,006632533	0,014899846	9,46731E-09	6,4815E-08	[5, 6, 8, 9, 10]	Group152	4,33	28,00
GO:0007411	axon guidance	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,014432535	0,026663968	9,46731E-09	6,4815E-08	[4, 5, 6, 7, 8, 9, 10, 11, 12, 13]	Group152	4,93	15,00
GO:0061564	axon development	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,00784214	0,01709551	9,46731E-09	6,4815E-08	[6, 7, 9, 10, 11]	Group152	4,42	25,00
GO:0048584	positive regulation of response to stimulus	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	2,07976E-07	3,15925E-06	1,09679E-08	7,2307E-08	[2, 3, 4]	Group100	4,21	109,00
GO:0042127	regulation of cell population proliferation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	9,02399E-10	5,75731E-08	1,09679E-08	7,2307E-08	[3, 4]	Group100	5,05	89,00
GO:0008284	positive regulation of cell population proliferation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	8,18119E-08	1,37358E-06	1,09679E-08	7,2307E-08	[3, 4, 5]	Group100	5,61	55,00
GO:0008285	negative regulation of cell population proliferation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,002655257	0,007430061	1,09679E-08	7,2307E-08	[3, 4, 5]	Group100	4,39	33,00
GO:0042981	regulation of apoptotic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	1,11326E-06	1,33174E-05	1,09679E-08	7,2307E-08	[5, 6]	Group100	4,59	75,00
GO:0006793	phosphorus metabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	6,13427E-09	2,09661E-07	1,17301E-08	7,457E-08	[3]	Group173	4,09	144,00
GO:0019637	organophosphate metabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000611052	0,002436569	1,17301E-08	7,457E-08	[3, 4]	Group173	4,26	48,00
GO:0006796	phosphate-containing compound metabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	2,32844E-08	5,06435E-07	1,17301E-08	7,457E-08	[4]	Group173	4,04	141,00
GO:0055086	nucleobase-containing small molecule metabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,003933324	0,009853902	1,17301E-08	7,457E-08	[3, 4, 5]	Group173	4,41	30,00

GO:0006644	phospholipid metabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,002634456	0,007393474	1,17301E-08	7,457E-08	[4, 5]	Group173	4,97	23,00
GO:0030258	lipid modification	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,027085837	0,043130025	1,17301E-08	7,457E-08	[4, 5]	Group173	4,56	15,00
GO:0046486	glycerolipid metabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,004992535	0,01194464	1,17301E-08	7,457E-08	[4, 5]	Group173	4,71	23,00
GO:0090407	organophosphate biosynthetic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000779392	0,002936529	1,17301E-08	7,457E-08	[4, 5]	Group173	4,79	32,00
GO:0008654	phospholipid biosynthetic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,002142059	0,006386139	1,17301E-08	7,457E-08	[4, 5, 6]	Group173	5,74	17,00
GO:0045017	glycerolipid biosynthetic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,010909148	0,021886906	1,17301E-08	7,457E-08	[4, 5, 6]	Group173	5,10	15,00
GO:0006650	glycerophospholipid metabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,003137021	0,008339248	1,17301E-08	7,457E-08	[5, 6]	Group173	5,17	20,00
GO:0046834	lipid phosphorylation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,005052869	0,011969296	1,17301E-08	7,457E-08	[5, 6]	Group173	7,32	9,00
GO:0009117	nucleotide metabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,022016035	0,036963765	1,17301E-08	7,457E-08	[5, 6, 7]	Group173	4,07	24,00
GO:0046488	phosphatidylinositol metabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,017771911	0,031437557	1,17301E-08	7,457E-08	[6, 7]	Group173	5,24	12,00
GO:0043550	regulation of lipid kinase activity	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,030797191	0,047081329	1,17301E-08	7,457E-08	[5, 6, 7, 8, 9]	Group173	7,46	5,00
GO:0046856	phosphatidylinositol dephosphorylation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,007393209	0,016265061	1,17301E-08	7,457E-08	[6, 7, 8]	Group173	13,33	4,00
GO:0006974	cellular response to DNA damage stimulus	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,001050609	0,003642874	1,34163E-08	8,2348E-08	[4]	Group140	4,38	40,00
GO:0080135	regulation of cellular response to stress	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	5,18829E-08	9,54845E-07	1,34163E-08	8,2348E-08	[3, 4, 5]	Group140	6,08	48,00
GO:2001020	regulation of response to DNA damage stimulus	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,004286675	0,010465174	1,34163E-08	8,2348E-08	[4, 5, 6]	Group140	5,86	14,00
GO:2001021	negative regulation of response to DNA damage stimulus	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,030644687	0,046923146	1,34163E-08	8,2348E-08	[3, 4, 5, 6, 7]	Group140	6,67	6,00
GO:0051052	regulation of DNA metabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,002958667	0,008043876	1,34163E-08	8,2348E-08	[4, 5, 6, 7]	Group140	5,19	20,00
GO:0051053	negative regulation of DNA metabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,02470557	0,040278073	1,34163E-08	8,2348E-08	[4, 5, 6, 7, 8]	Group140	5,97	8,00
GO:2000780	negative regulation of double-strand break repair	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,014057252	0,026326399	1,34163E-08	8,2348E-08	[5, 6, 7, 8, 9, 10]	Group140	11,11	4,00
GO:0032970	regulation of actin filament-based process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000145525	0,000819218	1,52233E-08	9,0325E-08	[3, 4]	Group182	5,90	25,00
GO:0044087	regulation of cellular component biogenesis	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,003717563	0,00943689	1,52233E-08	9,0325E-08	[3, 4]	Group182	4,03	42,00
GO:0051128	regulation of cellular component organization	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	9,5472E-08	1,54859E-06	1,52233E-08	9,0325E-08	[3, 4]	Group182	4,27	109,00
GO:0044089	positive regulation of cellular component biogenesis	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,006975319	0,01552414	1,52233E-08	9,0325E-08	[3, 4, 5]	Group182	4,41	26,00

GO:0051130	positive regulation of cellular component organization	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	7,13305E-08	1,24115E-06	1,52233E-08	9,0325E-08	[3, 4, 5]	Group182	5,15	67,00
GO:0097435	supramolecular fiber organization	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,002547205	0,007233459	1,52233E-08	9,0325E-08	[4]	Group182	4,41	33,00
GO:0030036	actin cytoskeleton organization	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000141026	0,000808154	1,52233E-08	9,0325E-08	[3, 6]	Group182	4,99	37,00
GO:0033043	regulation of organelle organization	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000797572	0,002958436	1,52233E-08	9,0325E-08	[4, 5]	Group182	4,03	56,00
GO:1902903	regulation of supramolecular fiber organization	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000770037	0,002912747	1,52233E-08	9,0325E-08	[4, 5]	Group182	5,57	22,00
GO:0010638	positive regulation of organelle organization	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,002543105	0,007243308	1,52233E-08	9,0325E-08	[4, 5, 6]	Group182	4,49	31,00
GO:1902905	positive regulation of supramolecular fiber organization	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,002495378	0,007149931	1,52233E-08	9,0325E-08	[4, 5, 6]	Group182	6,22	14,00
GO:0007015	actin filament organization	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,002237182	0,006607973	1,52233E-08	9,0325E-08	[4, 5, 7]	Group182	5,03	23,00
GO:0031032	actomyosin structure organization	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000129235	0,000758763	1,52233E-08	9,0325E-08	[4, 7]	Group182	7,66	16,00
GO:0032956	regulation of actin cytoskeleton organization	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000413217	0,001830783	1,52233E-08	9,0325E-08	[4, 5, 6, 7]	Group182	5,84	22,00
GO:0051493	regulation of cytoskeleton organization	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,003203749	0,008493042	1,52233E-08	9,0325E-08	[5, 6]	Group182	4,62	27,00
GO:1901890	positive regulation of cell junction assembly	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,023341313	0,038579684	1,52233E-08	9,0325E-08	[4, 5, 6, 7]	Group182	6,48	7,00
GO:0051495	positive regulation of cytoskeleton organization	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,013936384	0,026202591	1,52233E-08	9,0325E-08	[5, 6, 7]	Group182	5,24	13,00
GO:0110053	regulation of actin filament organization	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000781211	0,002931841	1,52233E-08	9,0325E-08	[5, 6, 7, 8]	Group182	6,12	18,00
GO:0051017	actin filament bundle assembly	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	2,96766E-05	0,000225401	1,52233E-08	9,0325E-08	[5, 6, 7, 9]	Group182	9,09	15,00
GO:0032231	regulation of actin filament bundle assembly	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	5,44583E-06	5,48596E-05	1,52233E-08	9,0325E-08	[4, 5, 6, 7, 8, 9, 10]	Group182	11,93	13,00
GO:0032232	negative regulation of actin filament bundle assembly	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,010381774	0,021094177	1,52233E-08	9,0325E-08	[5, 6, 7, 8, 9, 10, 11]	Group182	12,12	4,00
GO:0043149	stress fiber assembly	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	7,36972E-06	6,91454E-05	1,52233E-08	9,0325E-08	[5, 7, 8, 9, 11]	Group182	11,61	13,00
GO:0051496	positive regulation of stress fiber assembly	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,00011102	0,000676726	1,52233E-08	9,0325E-08	[5, 6, 7, 8, 9, 10, 11, 12, 13]	Group182	14,04	8,00
GO:0015278	calcium-release channel activity	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,010487842	0,021219587	1,8002E-08	1,0337E-07	[5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15]	Group189	9,80	5,00
GO:0051281	positive regulation of release of sequestered calcium ion into cytosol	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,025549145	0,041231927	1,8002E-08	1,0337E-07	[4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16]	Group189	9,30	4,00
GO:0051235	maintenance of location	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,002857794	0,007836415	1,8002E-08	1,0337E-07	[2, 3]	Group189	5,32	19,00
GO:0019725	cellular homeostasis	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	4,43303E-05	0,000311942	1,8002E-08	1,0337E-07	[2, 4]	Group189	4,70	50,00

GO:0042592	homeostatic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	9,1536E-07	1,12308E-05	1,8002E-08	1,0337E-07	[3]	Group189	4,32	91,00
GO:0051651	maintenance of location in cell	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,00192218	0,005914877	1,8002E-08	1,0337E-07	[2, 3, 4]	Group189	6,17	15,00
GO:0051049	regulation of transport	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	6,30185E-05	0,00041881	1,8002E-08	1,0337E-07	[3, 4]	Group189	4,00	81,00
GO:0051050	positive regulation of transport	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,001033711	0,003597314	1,8002E-08	1,0337E-07	[2, 3, 4, 5]	Group189	4,20	46,00
GO:0051051	negative regulation of transport	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,020912321	0,035610486	1,8002E-08	1,0337E-07	[2, 3, 4, 5]	Group189	4,19	22,00
GO:0060341	regulation of cellular localization	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000142641	0,000812543	1,8002E-08	1,0337E-07	[3, 4]	Group189	4,51	49,00
GO:0034762	regulation of transmembrane transport	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,009670558	0,020031869	1,8002E-08	1,0337E-07	[3, 4, 5]	Group189	4,29	26,00
GO:0048878	chemical homeostasis	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000636798	0,002507882	1,8002E-08	1,0337E-07	[4]	Group189	4,13	53,00
GO:0055082	cellular chemical homeostasis	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	2,01483E-05	0,000163406	1,8002E-08	1,0337E-07	[3, 5]	Group189	5,04	45,00
GO:0019751	polyol metabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,006168251	0,014088344	1,8002E-08	1,0337E-07	[4, 5]	Group189	6,67	10,00
GO:0034763	negative regulation of transmembrane transport	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,021045569	0,035773728	1,8002E-08	1,0337E-07	[3, 4, 5, 6]	Group189	6,15	8,00
GO:0034764	positive regulation of transmembrane transport	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,031413406	0,047870431	1,8002E-08	1,0337E-07	[3, 4, 5, 6]	Group189	4,98	11,00
GO:0043269	regulation of ion transport	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,013630096	0,025880955	1,8002E-08	1,0337E-07	[4, 5]	Group189	4,02	30,00
GO:0043270	positive regulation of ion transport	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,029049521	0,045351375	1,8002E-08	1,0337E-07	[3, 4, 5, 6]	Group189	4,62	14,00
GO:0043271	negative regulation of ion transport	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,011685916	0,023058603	1,8002E-08	1,0337E-07	[3, 4, 5, 6]	Group189	6,06	10,00
GO:0046165	alcohol biosynthetic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,029087059	0,045336019	1,8002E-08	1,0337E-07	[4, 5]	Group189	5,24	10,00
GO:0034765	regulation of ion transmembrane transport	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,028976446	0,045385364	1,8002E-08	1,0337E-07	[4, 5, 6]	Group189	4,10	21,00
GO:0044070	regulation of anion transport	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,032775592	0,049240567	1,8002E-08	1,0337E-07	[5, 6]	Group189	6,03	7,00
GO:0046173	polyol biosynthetic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,00929126	0,019456752	1,8002E-08	1,0337E-07	[5, 6]	Group189	7,78	7,00
GO:0010959	regulation of metal ion transport	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,008230304	0,017739642	1,8002E-08	1,0337E-07	[5, 6, 7]	Group189	4,73	20,00
GO:0030001	metal ion transport	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,00093562	0,003353513	1,8002E-08	1,0337E-07	[6]	Group189	4,31	43,00
GO:0030003	cellular cation homeostasis	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	2,90438E-05	0,000224153	1,8002E-08	1,0337E-07	[5, 7]	Group189	5,32	38,00
GO:0032412	regulation of ion transmembrane transporter activity	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,00381815	0,009641081	1,8002E-08	1,0337E-07	[5, 6, 7]	Group189	5,57	16,00

GO:0050806	positive regulation of synaptic transmission	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,010380722	0,021136915	1,8002E-08	1,0337E-07	[3, 4, 5, 6, 7, 8, 9]	Group189	5,88	11,00
GO:0051208	sequestering of calcium ion	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000410002	0,001824987	1,8002E-08	1,0337E-07	[3, 4, 5, 8, 10]	Group189	8,33	12,00
GO:0098771	inorganic ion homeostasis	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000333665	0,001557644	1,8002E-08	1,0337E-07	[6]	Group189	4,73	38,00
GO:1904062	regulation of cation transmembrane transport	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,004210313	0,010358021	1,8002E-08	1,0337E-07	[5, 6, 7]	Group189	5,14	19,00
GO:0006875	cellular metal ion homeostasis	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000161235	0,000881727	1,8002E-08	1,0337E-07	[6, 8]	Group189	5,18	33,00
GO:0070838	divalent metal ion transport	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,001574539	0,005056488	1,8002E-08	1,0337E-07	[7]	Group189	4,93	26,00
GO:0070588	calcium ion transmembrane transport	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,003038352	0,008144826	1,8002E-08	1,0337E-07	[6, 8, 9]	Group189	5,29	19,00
GO:0010522	regulation of calcium ion transport into cytosol	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,007866058	0,017108677	1,8002E-08	1,0337E-07	[3, 4, 5, 7, 8, 9, 10, 11, 13]	Group189	7,34	8,00
GO:0006874	cellular calcium ion homeostasis	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	6,50747E-05	0,000426551	1,8002E-08	1,0337E-07	[7, 9]	Group189	5,77	29,00
GO:2001257	regulation of cation channel activity	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,002512984	0,007178881	1,8002E-08	1,0337E-07	[6, 7, 8, 9, 10]	Group189	6,47	13,00
GO:0060402	calcium ion transport into cytosol	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000377397	0,001703626	1,8002E-08	1,0337E-07	[4, 10, 12]	Group189	7,57	14,00
GO:0051209	release of sequestered calcium ion into cytosol	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,0002773	0,001333548	1,8002E-08	1,0337E-07	[4, 5, 6, 7, 8, 10, 11, 12, 13, 14]	Group189	8,70	12,00
GO:0051480	regulation of cytosolic calcium ion concentration	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,002075759	0,006286397	1,8002E-08	1,0337E-07	[8, 10]	Group189	5,25	21,00
GO:0033002	muscle cell proliferation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	3,12928E-05	0,000233963	2,73016E-08	1,5187E-07	[3]	Group176	8,25	17,00
GO:0050673	epithelial cell proliferation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	3,83793E-06	3,94935E-05	2,73016E-08	1,5187E-07	[3]	Group176	6,71	29,00
GO:0035019	somatic stem cell population maintenance	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,020465165	0,034911167	2,73016E-08	1,5187E-07	[3, 4]	Group176	7,32	6,00
GO:0001935	endothelial cell proliferation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,003633375	0,00934715	2,73016E-08	1,5187E-07	[4]	Group176	6,79	11,00
GO:0008284	positive regulation of cell population proliferation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	8,18119E-08	1,37358E-06	2,73016E-08	1,5187E-07	[3, 4, 5]	Group176	5,61	55,00
GO:0046620	regulation of organ growth	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,024403341	0,039853238	2,73016E-08	1,5187E-07	[3, 4, 5]	Group176	6,42	7,00
GO:0048659	smooth muscle cell proliferation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000131848	0,000764721	2,73016E-08	1,5187E-07	[4]	Group176	8,84	13,00
GO:0001655	urogenital system development	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,00374708	0,009486654	2,73016E-08	1,5187E-07	[4, 5]	Group176	5,19	19,00
GO:0048660	regulation of smooth muscle cell proliferation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000114782	0,000695231	2,73016E-08	1,5187E-07	[4, 5]	Group176	8,97	13,00
GO:0050678	regulation of epithelial cell proliferation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	4,34628E-05	0,000310403	2,73016E-08	1,5187E-07	[4, 5]	Group176	6,50	24,00

GO:0048661	positive regulation of smooth muscle cell proliferation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,00013222	0,000762259	2,73016E-08	1,5187E-07	[4, 5, 6]	Group176	10,99	10,00
GO:0050679	positive regulation of epithelial cell proliferation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,00018895	0,000982745	2,73016E-08	1,5187E-07	[4, 5, 6]	Group176	7,41	16,00
GO:0072001	renal system development	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,010179704	0,02081619	2,73016E-08	1,5187E-07	[4, 5, 6]	Group176	5,02	16,00
GO:1990874	vascular smooth muscle cell proliferation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,003044682	0,008138997	2,73016E-08	1,5187E-07	[5]	Group176	10,91	6,00
GO:0001822	kidney development	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,032703687	0,049209792	2,73016E-08	1,5187E-07	[4, 5, 6, 7]	Group176	4,55	14,00
GO:0001936	regulation of endothelial cell proliferation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,014143549	0,026282284	2,73016E-08	1,5187E-07	[5, 6]	Group176	6,21	9,00
GO:1904705	regulation of vascular smooth muscle cell proliferation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,003044682	0,008138997	2,73016E-08	1,5187E-07	[5, 6]	Group176	10,91	6,00
GO:0001938	positive regulation of endothelial cell proliferation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,02131371	0,036101274	2,73016E-08	1,5187E-07	[5, 6, 7]	Group176	6,60	7,00
GO:0055024	regulation of cardiac muscle tissue development	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,008760029	0,018588355	2,73016E-08	1,5187E-07	[5, 6, 7, 8, 9]	Group176	7,87	7,00
GO:0033554	cellular response to stress	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	1,66634E-08	3,98672E-07	3,63422E-08	1,9026E-07	[3]	Group141	4,55	100,00
GO:0006974	cellular response to DNA damage stimulus	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,001050609	0,003642874	3,63422E-08	1,9026E-07	[4]	Group141	4,38	40,00
GO:0000075	cell cycle checkpoint	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,003692508	0,00942328	3,63422E-08	1,9026E-07	[2, 4, 5, 6]	Group141	5,96	14,00
GO:0042770	signal transduction in response to DNA damage	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,001526183	0,004951043	3,63422E-08	1,9026E-07	[4, 5, 6]	Group141	7,59	11,00
GO:0072331	signal transduction by p53 class mediator	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,010597887	0,021351954	3,63422E-08	1,9026E-07	[4, 5, 6]	Group141	5,12	15,00
GO:2001020	regulation of response to DNA damage stimulus	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,004286675	0,010465174	3,63422E-08	1,9026E-07	[4, 5, 6]	Group141	5,86	14,00
GO:0000077	DNA damage checkpoint	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,003633375	0,00934715	3,63422E-08	1,9026E-07	[4, 5, 6, 7, 8]	Group141	6,79	11,00
GO:0009611	response to wounding	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	2,09631E-06	2,33275E-05	3,54375E-08	1,9115E-07	[3]	Group165	5,69	42,00
GO:0050878	regulation of body fluid levels	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,001702964	0,005378668	3,54375E-08	1,9115E-07	[3]	Group165	4,84	27,00
GO:0007599	hemostasis	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,001814493	0,00563789	3,54375E-08	1,9115E-07	[4]	Group165	5,42	20,00
GO:0042060	wound healing	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	7,38149E-05	0,000477303	3,54375E-08	1,9115E-07	[4]	Group165	5,40	33,00
GO:0033628	regulation of cell adhesion mediated by integrin	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,009662041	0,020057641	3,54375E-08	1,9115E-07	[4, 5]	Group165	10,00	5,00
GO:0051604	protein maturation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,029049521	0,045351375	3,54375E-08	1,9115E-07	[4, 5]	Group165	4,62	14,00
GO:1903034	regulation of response to wounding	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000707064	0,00271751	3,54375E-08	1,9115E-07	[4, 5]	Group165	7,11	14,00

GO:1903035	negative regulation of response to wounding	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,005007775	0,011891912	3,54375E-08	1,9115E-07	[3, 4, 5, 6]	Group165	7,92	8,00
GO:0030193	regulation of blood coagulation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000625023	0,002481938	3,54375E-08	1,9115E-07	[3, 4, 5, 6, 7]	Group165	9,89	9,00
GO:0014909	smooth muscle cell migration	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000144714	0,000819473	3,54375E-08	1,9115E-07	[5, 6]	Group165	12,00	9,00
GO:0061041	regulation of wound healing	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,001230309	0,004145795	3,54375E-08	1,9115E-07	[5, 6]	Group165	7,36	12,00
GO:0042730	fibrinolysis	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,007393209	0,016265061	3,54375E-08	1,9115E-07	[4, 5, 6, 7, 8, 9]	Group165	13,33	4,00
GO:0031639	plasminogen activation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,003242962	0,008549627	3,54375E-08	1,9115E-07	[7, 8]	Group165	16,67	4,00
GO:0044087	regulation of cellular component biogenesis	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,003717563	0,00943689	8,61421E-08	4,3809E-07	[3, 4]	Group150	4,03	42,00
GO:0051128	regulation of cellular component organization	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	9,5472E-08	1,54859E-06	8,61421E-08	4,3809E-07	[3, 4]	Group150	4,27	109,00
GO:0044089	positive regulation of cellular component biogenesis	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,006975319	0,01552414	8,61421E-08	4,3809E-07	[3, 4, 5]	Group150	4,41	26,00
GO:0051130	positive regulation of cellular component organization	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	7,13305E-08	1,24115E-06	8,61421E-08	4,3809E-07	[3, 4, 5]	Group150	5,15	67,00
GO:0031344	regulation of cell projection organization	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,004833171	0,011592343	8,61421E-08	4,3809E-07	[4, 5]	Group150	4,26	32,00
GO:0033043	regulation of organelle organization	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000797572	0,002958436	8,61421E-08	4,3809E-07	[4, 5]	Group150	4,03	56,00
GO:0010638	positive regulation of organelle organization	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,002543105	0,007243308	8,61421E-08	4,3809E-07	[4, 5, 6]	Group150	4,49	31,00
GO:0031346	positive regulation of cell projection organization	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,009294322	0,019420668	8,61421E-08	4,3809E-07	[4, 5, 6]	Group150	4,67	20,00
GO:0120035	regulation of plasma membrane bounded cell projection organization	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,012516662	0,024396019	8,61421E-08	4,3809E-07	[5, 6]	Group150	4,04	30,00
GO:0090287	regulation of cellular response to growth factor stimulus	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,00110216	0,003767027	9,16346E-08	4,5308E-07	[3, 4, 6]	Group169	5,94	18,00
GO:0032633	interleukin-4 production	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,002621352	0,007400101	9,16346E-08	4,5308E-07	[3, 6]	Group169	13,51	5,00
GO:0003170	heart valve development	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,029100992	0,045283981	9,16346E-08	4,5308E-07	[3, 5, 6, 7]	Group169	7,58	5,00
GO:0001890	placenta development	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,00194322	0,005960454	9,16346E-08	4,5308E-07	[4, 5, 6, 7]	Group169	6,98	12,00
GO:0001892	embryonic placenta development	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,017631847	0,031363714	9,16346E-08	4,5308E-07	[3, 4, 5, 6, 7, 8]	Group169	6,86	7,00
GO:0002011	morphogenesis of an epithelial sheet	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000160526	0,000882894	9,16346E-08	4,5308E-07	[5, 6]	Group169	13,33	8,00
GO:0060674	placenta blood vessel development	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,003317585	0,008674669	9,16346E-08	4,5308E-07	[3, 4, 5, 6, 7, 8, 9]	Group169	12,82	5,00
GO:0090092	regulation of transmembrane receptor protein serine/threonine kinase signaling pathway	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,018717377	0,032806829	9,16346E-08	4,5308E-07	[4, 5, 6, 7, 8]	Group169	5,04	13,00



GO:1903556	negative regulation of tumor necrosis factor superfamily cytokine production	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,029100992	0,045283981	9,16346E-08	4,5308E-07	[4, 5, 6, 7, 8]	Group169	7,58	5,00
GO:0030510	regulation of BMP signaling pathway	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,013690378	0,025892671	9,16346E-08	4,5308E-07	[4, 5, 6, 7, 8, 9]	Group169	7,22	7,00
GO:0072602	interleukin-4 secretion	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000575675	0,002344345	9,16346E-08	4,5308E-07	[4, 5, 6, 7, 8, 9, 10]	Group169	42,86	3,00
GO:0097028	dendritic cell differentiation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,029624119	0,045948595	9,16346E-08	4,5308E-07	[5, 6, 7, 8, 9]	Group169	8,89	4,00
GO:0030513	positive regulation of BMP signaling pathway	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,016912684	0,030253155	9,16346E-08	4,5308E-07	[5, 6, 7, 8, 9, 10]	Group169	10,53	4,00
GO:2000725	regulation of cardiac muscle cell differentiation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,020105848	0,034731582	9,16346E-08	4,5308E-07	[5, 6, 7, 8, 9, 10]	Group169	10,00	4,00
GO:0034097	response to cytokine	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	2,97291E-07	4,31072E-06	1,8928E-07	9,1059E-07	[4]	Group115	5,05	64,00
GO:0070555	response to interleukin-1	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	1,33456E-05	0,000114034	1,8928E-07	9,1059E-07	[5]	Group115	8,45	18,00
GO:1904019	epithelial cell apoptotic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	3,38977E-05	0,000249539	1,8928E-07	9,1059E-07	[5]	Group115	10,81	12,00
GO:0071347	cellular response to interleukin-1	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000117157	0,000700744	1,8928E-07	9,1059E-07	[6]	Group115	8,06	15,00
GO:0071356	cellular response to tumor necrosis factor	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,012930495	0,024948554	1,8928E-07	9,1059E-07	[6]	Group115	5,00	15,00
GO:0071222	cellular response to lipopolysaccharide	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,006491162	0,014651042	1,8928E-07	9,1059E-07	[5, 6, 8]	Group115	5,78	13,00
GO:0043491	protein kinase B signaling	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	7,17147E-05	0,000466877	4,96615E-07	2,3262E-06	[4, 5, 6]	Group172	7,20	19,00
GO:1901888	regulation of cell junction assembly	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,029677309	0,045956612	4,96615E-07	2,3262E-06	[4, 5, 6]	Group172	5,02	11,00
GO:0051896	regulation of protein kinase B signaling	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000195626	0,001011969	4,96615E-07	2,3262E-06	[5, 6, 7]	Group172	7,11	17,00
GO:0051897	positive regulation of protein kinase B signaling	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	8,10058E-05	0,000506683	4,96615E-07	2,3262E-06	[5, 6, 7, 8]	Group172	8,33	15,00
GO:0043549	regulation of kinase activity	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	1,8027E-06	2,05379E-05	4,96615E-07	2,3262E-06	[5, 7, 8]	Group172	5,25	51,00
GO:0042327	positive regulation of phosphorylation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	3,4551E-08	6,74801E-07	4,96615E-07	2,3262E-06	[6, 7, 8]	Group172	5,40	63,00
GO:0004707	MAP kinase activity	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,004993279	0,011916628	4,96615E-07	2,3262E-06	[5, 6, 7, 9, 10]	Group172	5,05	19,00
GO:0004672	protein kinase activity	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	4,63941E-05	0,000324081	4,96615E-07	2,3262E-06	[7, 8]	Group172	4,46	58,00
GO:0018212	peptidyl-tyrosine modification	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,00348192	0,00900594	4,96615E-07	2,3262E-06	[7, 8]	Group172	5,02	21,00
GO:0033674	positive regulation of kinase activity	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	1,62283E-05	0,000136232	4,96615E-07	2,3262E-06	[6, 7, 8, 9]	Group172	5,53	37,00
GO:0043408	regulation of MAPK cascade	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	3,12878E-06	3,36432E-05	4,96615E-07	2,3262E-06	[5, 6, 7, 8, 9, 10]	Group172	5,54	43,00

GO:0043410	positive regulation of MAPK cascade	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	2,28998E-07	3,37156E-06	4,96615E-07	2,3262E-06	[5, 6, 7, 8, 9, 10, 11]	Group172	6,54	38,00
GO:0019199	transmembrane receptor protein kinase activity	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,003846464	0,009687016	4,96615E-07	2,3262E-06	[8, 9]	Group172	7,63	9,00
GO:0043405	regulation of MAP kinase activity	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,00374708	0,009486654	4,96615E-07	2,3262E-06	[6, 7, 8, 9, 10, 11]	Group172	5,19	19,00
GO:0004713	protein tyrosine kinase activity	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,017674305	0,031322796	4,96615E-07	2,3262E-06	[8, 9, 10]	Group172	5,08	13,00
GO:0032147	activation of protein kinase activity	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	2,21901E-05	0,000176966	4,96615E-07	2,3262E-06	[8, 9, 10, 11]	Group172	6,48	26,00
GO:0031098	stress-activated protein kinase signaling cascade	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,011678319	0,023091221	7,73732E-07	3,5314E-06	[4, 5, 6]	Group132	4,94	16,00
GO:0023014	signal transduction by protein phosphorylation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	6,64101E-07	8,58844E-06	7,73732E-07	3,5314E-06	[3, 4, 5, 7, 8]	Group132	5,34	53,00
GO:0000165	MAPK cascade	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	1,91283E-06	2,15362E-05	7,73732E-07	3,5314E-06	[4, 5, 6, 8, 9]	Group132	5,24	51,00
GO:0043408	regulation of MAPK cascade	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	3,12878E-06	3,36432E-05	7,73732E-07	3,5314E-06	[5, 6, 7, 8, 9, 10]	Group132	5,54	43,00
GO:0043410	positive regulation of MAPK cascade	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	2,28998E-07	3,37156E-06	7,73732E-07	3,5314E-06	[5, 6, 7, 8, 9, 10, 11]	Group132	6,54	38,00
GO:0007254	JNK cascade	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,030536547	0,046832494	7,73732E-07	3,5314E-06	[6, 7, 8, 10, 11]	Group132	5,00	11,00
GO:0001776	leukocyte homeostasis	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,015182317	0,02772801	8,12637E-07	3,6162E-06	[2, 5]	Group136	7,07	7,00
GO:0002262	myeloid cell homeostasis	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000130379	0,000760808	8,12637E-07	3,6162E-06	[2, 5]	Group136	8,38	14,00
GO:0048872	homeostasis of number of cells	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,00023294	0,001161058	8,12637E-07	3,6162E-06	[4]	Group136	6,57	19,00
GO:0034101	erythrocyte homeostasis	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000242113	0,00120053	8,12637E-07	3,6162E-06	[3, 6]	Group136	8,82	12,00
GO:0030099	myeloid cell differentiation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	6,2456E-06	5,97704E-05	8,12637E-07	3,6162E-06	[4, 5, 6, 7, 8]	Group136	6,55	29,00
GO:0030218	erythrocyte differentiation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,001763233	0,005550702	8,12637E-07	3,6162E-06	[4, 5, 6, 7, 8, 9]	Group136	7,94	10,00
GO:0043249	erythrocyte maturation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,012620698	0,024499003	8,12637E-07	3,6162E-06	[4, 5, 6, 7, 8, 9, 10, 11]	Group136	15,79	3,00
GO:0042592	homeostatic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	9,1536E-07	1,12308E-05	9,1536E-07	3,974E-06	[3]	Group097	4,32	91,00
GO:0048871	multicellular organismal homeostasis	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,002410506	0,006969347	9,1536E-07	3,974E-06	[2, 4]	Group097	4,72	27,00
GO:0001894	tissue homeostasis	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,023241255	0,038480762	9,1536E-07	3,974E-06	[3, 5]	Group097	4,76	14,00
GO:0060249	anatomical structure homeostasis	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,020128882	0,03470872	9,1536E-07	3,974E-06	[4]	Group097	4,21	22,00
GO:0035633	maintenance of blood-brain barrier	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000421301	0,001849472	9,1536E-07	3,974E-06	[4, 6]	Group097	15,79	6,00
GO:0019725	cellular homeostasis	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	4,43303E-05	0,000311942	9,1536E-07	3,974E-06	[2, 4]	Group149	4,70	50,00

GO:0042592	homeostatic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	9,1536E-07	1,12308E-05	9,1536E-07	3,974E-06	[3]	Group149	4,32	91,00
GO:0048871	multicellular organismal homeostasis	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,002410506	0,006969347	9,1536E-07	3,974E-06	[2, 4]	Group149	4,72	27,00
GO:0048878	chemical homeostasis	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000636798	0,002507882	9,1536E-07	3,974E-06	[4]	Group149	4,13	53,00
GO:0055082	cellular chemical homeostasis	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	2,01483E-05	0,000163406	9,1536E-07	3,974E-06	[3, 5]	Group149	5,04	45,00
GO:0030003	cellular cation homeostasis	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	2,90438E-05	0,000224153	9,1536E-07	3,974E-06	[5, 7]	Group149	5,32	38,00
GO:0098771	inorganic ion homeostasis	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000333665	0,001557644	9,1536E-07	3,974E-06	[6]	Group149	4,73	38,00
GO:0006875	cellular metal ion homeostasis	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000161235	0,000881727	9,1536E-07	3,974E-06	[6, 8]	Group149	5,18	33,00
GO:0006874	cellular calcium ion homeostasis	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	6,50747E-05	0,000426551	9,1536E-07	3,974E-06	[7, 9]	Group149	5,77	29,00
GO:0045321	leukocyte activation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	7,48312E-05	0,000477423	9,40576E-07	3,9863E-06	[2, 3]	Group178	4,32	61,00
GO:0002263	cell activation involved in immune response	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	1,98211E-05	0,000163524	9,40576E-07	3,9863E-06	[3]	Group178	5,24	41,00
GO:0140352	export from cell	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	9,53733E-05	0,000588853	9,40576E-07	3,9863E-06	[2, 4]	Group178	4,10	71,00
GO:0002274	myeloid leukocyte activation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,001295747	0,004350983	9,40576E-07	3,9863E-06	[3, 4]	Group178	4,60	33,00
GO:0046649	lymphocyte activation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,001648926	0,0052426	9,40576E-07	3,9863E-06	[3, 4]	Group178	4,41	36,00
GO:0051049	regulation of transport	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	6,30185E-05	0,00041881	9,40576E-07	3,9863E-06	[3, 4]	Group178	4,00	81,00
GO:0002520	immune system development	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	5,84203E-07	7,76503E-06	9,40576E-07	3,9863E-06	[2, 4, 5]	Group178	5,23	56,00
GO:0002444	myeloid leukocyte mediated immunity	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000784727	0,00293353	9,40576E-07	3,9863E-06	[4]	Group178	4,90	30,00
GO:0002275	myeloid cell activation involved in immune response	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,001343737	0,004480686	9,40576E-07	3,9863E-06	[4, 5]	Group178	4,79	29,00
GO:0002285	lymphocyte activation involved in immune response	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,004762104	0,01147943	9,40576E-07	3,9863E-06	[4, 5]	Group178	6,25	12,00
GO:0006887	exocytosis	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000864268	0,003132973	9,40576E-07	3,9863E-06	[3, 4, 5, 6]	Group178	4,33	43,00
GO:0042110	T cell activation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,002095667	0,006306772	9,40576E-07	3,9863E-06	[4, 5]	Group178	4,90	25,00
GO:0051249	regulation of lymphocyte activation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,021119829	0,035836305	9,40576E-07	3,9863E-06	[4, 5, 6]	Group178	4,14	23,00
GO:0030097	hemopoiesis	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	2,93906E-05	0,000225015	9,40576E-07	3,9863E-06	[4, 5, 6, 7]	Group178	4,89	47,00
GO:0043299	leukocyte degranulation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000458366	0,001958285	9,40576E-07	3,9863E-06	[3, 4, 5, 6, 7, 8]	Group178	5,07	30,00
GO:0045055	regulated exocytosis	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000882685	0,00318766	9,40576E-07	3,9863E-06	[4, 5, 6, 7]	Group178	4,45	39,00

GO:0002521	leukocyte differentiation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,00341803	0,008912955	9,40576E-07	3,9863E-06	[4, 5, 6, 7, 8]	Group178	4,66	26,00
GO:0009306	protein secretion	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,017033646	0,030412685	9,40576E-07	3,9863E-06	[4, 5, 6, 7, 8]	Group178	4,05	27,00
GO:0030098	lymphocyte differentiation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,005579029	0,013022271	9,40576E-07	3,9863E-06	[4, 5, 6, 7, 8, 9]	Group178	5,00	19,00
GO:0043312	neutrophil degranulation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000478491	0,00201725	9,40576E-07	3,9863E-06	[4, 5, 6, 7, 8, 9]	Group178	5,19	28,00
GO:0097190	apoptotic signaling pathway	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	1,38238E-06	1,63326E-05	9,79782E-07	4,0558E-06	[3, 4, 5]	Group145	6,00	39,00
GO:0072331	signal transduction by p53 class mediator	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,010597887	0,021351954	9,79782E-07	4,0558E-06	[4, 5, 6]	Group145	5,12	15,00
GO:0097193	intrinsic apoptotic signaling pathway	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000166499	0,000895165	9,79782E-07	4,0558E-06	[4, 5, 6]	Group145	6,56	20,00
GO:1905897	regulation of response to endoplasmic reticulum stress	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,009845688	0,020263061	9,79782E-07	4,0558E-06	[4, 5, 6]	Group145	7,69	7,00
GO:2001233	regulation of apoptotic signaling pathway	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,003071183	0,008186971	9,79782E-07	4,0558E-06	[4, 5, 6, 7]	Group145	4,99	22,00
GO:0008630	intrinsic apoptotic signaling pathway in response to DNA damage	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,002549824	0,007219472	9,79782E-07	4,0558E-06	[5, 6, 7]	Group145	8,11	9,00
GO:2001234	negative regulation of apoptotic signaling pathway	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,001539791	0,004978311	9,79782E-07	4,0558E-06	[4, 5, 6, 7, 8]	Group145	6,11	16,00
GO:2001242	regulation of intrinsic apoptotic signaling pathway	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,01703891	0,03036543	9,79782E-07	4,0558E-06	[5, 6, 7, 8]	Group145	5,71	10,00
GO:2001243	negative regulation of intrinsic apoptotic signaling pathway	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,00920515	0,019361163	9,79782E-07	4,0558E-06	[5, 6, 7, 8, 9]	Group145	7,14	8,00
GO:0070482	response to oxygen levels	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	1,73753E-06	2,00339E-05	1,0316E-06	4,1733E-06	[3]	Group099	6,99	29,00
GO:0001666	response to hypoxia	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	2,00466E-05	0,000163971	1,0316E-06	4,1733E-06	[3, 5]	Group099	6,67	25,00
GO:0036294	cellular response to decreased oxygen levels	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	6,02248E-06	5,88114E-05	1,0316E-06	4,1733E-06	[5]	Group099	8,60	19,00
GO:0071456	cellular response to hypoxia	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	4,2432E-05	0,000307632	1,0316E-06	4,1733E-06	[4, 6]	Group099	8,06	17,00
GO:0043618	regulation of transcription from RNA polymerase II promoter in response to stress	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,016302135	0,029436117	1,0316E-06	4,1733E-06	[5, 7, 8, 9, 10, 11, 12]	Group099	6,45	8,00
GO:0001894	tissue homeostasis	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,023241255	0,038480762	1,73712E-06	6,8713E-06	[3, 5]	Group159	4,76	14,00
GO:0043114	regulation of vascular permeability	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,008146646	0,017638776	1,73712E-06	6,8713E-06	[3, 5]	Group159	10,42	5,00
GO:0060249	anatomical structure homeostasis	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,020128882	0,03470872	1,73712E-06	6,8713E-06	[4]	Group159	4,21	22,00
GO:0002064	epithelial cell development	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	3,30027E-06	3,50928E-05	1,73712E-06	6,8713E-06	[4, 5, 6]	Group159	8,62	20,00
GO:0003158	endothelium development	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000445457	0,001920282	1,73712E-06	6,8713E-06	[5]	Group159	8,80	11,00

GO:0035329	hippo signaling	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000833247	0,003055238	1,73712E-06	6,8713E-06	[4, 5, 6]	Group159	13,95	6,00
GO:0035633	maintenance of blood-brain barrier	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000421301	0,001849472	1,73712E-06	6,8713E-06	[4, 6]	Group159	15,79	6,00
GO:0043116	negative regulation of vascular permeability	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,009205425	0,019319279	1,73712E-06	6,8713E-06	[4, 6]	Group159	17,65	3,00
GO:0043117	positive regulation of vascular permeability	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,007729088	0,016887529	1,73712E-06	6,8713E-06	[4, 6]	Group159	18,75	3,00
GO:0001885	endothelial cell development	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000314285	0,001481627	1,73712E-06	6,8713E-06	[5, 6, 7]	Group159	12,12	8,00
GO:0071320	cellular response to cAMP	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,003981134	0,009921734	1,73712E-06	6,8713E-06	[5, 6, 7]	Group159	10,34	6,00
GO:0051726	regulation of cell cycle	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000162478	0,000883473	2,1903E-06	8,4755E-06	[3, 4]	Group183	4,30	56,00
GO:0006974	cellular response to DNA damage stimulus	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,001050609	0,003642874	2,1903E-06	8,4755E-06	[4]	Group183	4,38	40,00
GO:0045786	negative regulation of cell cycle	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000479548	0,002012839	2,1903E-06	8,4755E-06	[3, 4, 5]	Group183	4,93	32,00
GO:0045787	positive regulation of cell cycle	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,018188933	0,032056738	2,1903E-06	8,4755E-06	[3, 4, 5]	Group183	4,51	18,00
GO:0000075	cell cycle checkpoint	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,003692508	0,00942328	2,1903E-06	8,4755E-06	[2, 4, 5, 6]	Group183	5,96	14,00
GO:0007050	cell cycle arrest	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	1,01457E-05	9,07426E-05	2,1903E-06	8,4755E-06	[3, 4, 5, 6]	Group183	8,00	20,00
GO:0007346	regulation of mitotic cell cycle	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,003878796	0,009742802	2,1903E-06	8,4755E-06	[4, 5]	Group183	4,37	31,00
GO:0090068	positive regulation of cell cycle process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,028356241	0,044633094	2,1903E-06	8,4755E-06	[3, 4, 5, 6]	Group183	4,64	14,00
GO:0007093	mitotic cell cycle checkpoint	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,002140553	0,00640159	2,1903E-06	8,4755E-06	[3, 4, 5, 6, 7]	Group183	6,90	12,00
GO:0042770	signal transduction in response to DNA damage	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,001526183	0,004951043	2,1903E-06	8,4755E-06	[4, 5, 6]	Group183	7,59	11,00
GO:0045930	negative regulation of mitotic cell cycle	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000464017	0,001973621	2,1903E-06	8,4755E-06	[4, 5, 6]	Group183	6,06	20,00
GO:0072331	signal transduction by p53 class mediator	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,010597887	0,021351954	2,1903E-06	8,4755E-06	[4, 5, 6]	Group183	5,12	15,00
GO:0097193	intrinsic apoptotic signaling pathway	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000166499	0,000895165	2,1903E-06	8,4755E-06	[4, 5, 6]	Group183	6,56	20,00
GO:1901988	negative regulation of cell cycle phase transition	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,001211727	0,004097606	2,1903E-06	8,4755E-06	[4, 5, 6, 7]	Group183	6,25	16,00
GO:0000077	DNA damage checkpoint	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,003633375	0,00934715	2,1903E-06	8,4755E-06	[4, 5, 6, 7, 8]	Group183	6,79	11,00
GO:0008630	intrinsic apoptotic signaling pathway in response to DNA damage	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,002549824	0,007219472	2,1903E-06	8,4755E-06	[5, 6, 7]	Group183	8,11	9,00
GO:0071158	positive regulation of cell cycle arrest	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,002135142	0,006405427	2,1903E-06	8,4755E-06	[4, 5, 6, 7, 8]	Group183	9,09	8,00

GO:0031572	G2 DNA damage checkpoint	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,015443421	0,028044315	2,1903E-06	8,4755E-06	[5, 6, 7, 8, 9]	Group183	10,81	4,00
GO:0044773	mitotic DNA damage checkpoint	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,001520331	0,004948833	2,1903E-06	8,4755E-06	[5, 6, 7, 8, 9]	Group183	8,74	9,00
GO:0072422	signal transduction involved in DNA damage checkpoint	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,003707789	0,009437113	2,1903E-06	8,4755E-06	[5, 6, 7, 8, 9]	Group183	9,21	7,00
GO:0004693	cyclin-dependent protein serine/threonine kinase activity	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000545112	0,002248586	2,1903E-06	8,4755E-06	[5, 6, 9, 10]	Group183	8,59	11,00
GO:2000134	negative regulation of G1/S transition of mitotic cell cycle	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,022311579	0,037394363	2,1903E-06	8,4755E-06	[6, 7, 8, 9]	Group183	6,54	7,00
GO:0006977	DNA damage response, signal transduction by p53 class mediator resulting in cell cycle arrest	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,003648136	0,009359963	2,1903E-06	8,4755E-06	[5, 6, 7, 8, 9, 10, 11, 12, 13]	Group183	10,53	6,00
GO:0001934	positive regulation of protein phosphorylation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	4,44036E-07	6,07061E-06	2,47322E-06	9,1715E-06	[6, 7, 8, 9]	Group112	5,24	57,00
GO:0018209	peptidyl-serine modification	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000275328	0,001337508	2,47322E-06	9,1715E-06	[7, 8]	Group112	6,01	22,00
GO:0018105	peptidyl-serine phosphorylation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000650843	0,00255269	2,47322E-06	9,1715E-06	[7, 8, 9]	Group112	5,90	20,00
GO:0033135	regulation of peptidyl-serine phosphorylation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,011230711	0,022437977	2,47322E-06	9,1715E-06	[7, 8, 9, 10]	Group112	6,10	10,00
GO:0032147	activation of protein kinase activity	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	2,21901E-05	0,000176966	2,47322E-06	9,1715E-06	[8, 9, 10, 11]	Group112	6,48	26,00
GO:0070848	response to growth factor	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	1,15067E-05	0,000101962	2,4491E-06	9,2753E-06	[4]	Group079	5,37	41,00
GO:1901652	response to peptide	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,00784214	0,01709551	2,4491E-06	9,2753E-06	[4, 5]	Group079	4,42	25,00
GO:0007167	enzyme linked receptor protein signaling pathway	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	3,81246E-06	3,96579E-05	2,4491E-06	9,2753E-06	[4, 5, 6]	Group079	4,96	55,00
GO:0007169	transmembrane receptor protein tyrosine kinase signaling pathway	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,00012082	0,000718164	2,4491E-06	9,2753E-06	[5, 6, 7]	Group079	4,97	38,00
GO:0010810	regulation of cell-substrate adhesion	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	3,73914E-05	0,000273157	2,73209E-06	9,9247E-06	[4, 5]	Group109	7,83	18,00
GO:0010812	negative regulation of cell-substrate adhesion	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,032554209	0,04921703	2,73209E-06	9,9247E-06	[4, 5, 6]	Group109	7,35	5,00
GO:0001952	regulation of cell-matrix adhesion	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	4,35039E-05	0,000308394	2,73209E-06	9,9247E-06	[5, 6]	Group109	9,85	13,00
GO:0048041	focal adhesion assembly	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,00302181	0,00814612	2,73209E-06	9,9247E-06	[5, 7]	Group109	8,60	8,00
GO:0032232	negative regulation of actin filament bundle assembly	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,010381774	0,021094177	2,73209E-06	9,9247E-06	[5, 6, 7, 8, 9, 10, 11]	Group109	12,12	4,00
GO:0009057	macromolecule catabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000587955	0,002364171	3,0958E-06	1,0805E-05	[4]	Group168	4,01	60,00
GO:0006508	proteolysis	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	5,7795E-05	0,00039507	3,0958E-06	1,0805E-05	[4, 5]	Group168	4,07	77,00
GO:0030163	protein catabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,003023085	0,008126664	3,0958E-06	1,0805E-05	[4, 5]	Group168	4,10	41,00

GO:0044265	cellular macromolecule catabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000537689	0,002237255	3,0958E-06	1,0805E-05	[4, 5]	Group168	4,19	52,00
GO:0008233	peptidase activity	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,0002754	0,001331101	3,0958E-06	1,0805E-05	[5, 6]	Group168	4,39	49,00
GO:0030162	regulation of proteolysis	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,004999209	0,011901102	3,0958E-06	1,0805E-05	[5, 6]	Group168	4,21	33,00
GO:0044257	cellular protein catabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,003651367	0,009343204	3,0958E-06	1,0805E-05	[5, 6]	Group168	4,23	35,00
GO:0051603	proteolysis involved in cellular protein catabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,003256541	0,00856184	3,0958E-06	1,0805E-05	[5, 6, 7]	Group168	4,34	33,00
GO:0010498	proteasomal protein catabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,006044001	0,013870765	3,0958E-06	1,0805E-05	[5, 6, 7, 8]	Group168	4,64	23,00
GO:0070011	peptidase activity, acting on L-amino acid peptides	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,00039584	0,00177018	3,0958E-06	1,0805E-05	[6, 7]	Group168	4,37	47,00
GO:0004175	endopeptidase activity	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000555813	0,002282888	3,0958E-06	1,0805E-05	[7, 8]	Group168	4,52	40,00
GO:0008234	cysteine-type peptidase activity	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000334646	0,001554642	3,0958E-06	1,0805E-05	[7, 8]	Group168	5,49	26,00
GO:0052548	regulation of endopeptidase activity	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000937128	0,003333945	3,0958E-06	1,0805E-05	[6, 7, 8, 9]	Group168	5,29	24,00
GO:0009894	regulation of catabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,002341402	0,006810703	3,09319E-06	1,1012E-05	[3, 4]	Group186	4,08	44,00
GO:0009057	macromolecule catabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000587955	0,002364171	3,09319E-06	1,1012E-05	[4]	Group186	4,01	60,00
GO:0019439	aromatic compound catabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,012572658	0,024455354	3,09319E-06	1,1012E-05	[4]	Group186	4,15	27,00
GO:0044270	cellular nitrogen compound catabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,009469164	0,019699978	3,09319E-06	1,1012E-05	[4]	Group186	4,25	27,00
GO:0046700	heterocycle catabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,008757261	0,018623775	3,09319E-06	1,1012E-05	[4]	Group186	4,28	27,00
GO:1901361	organic cyclic compound catabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,013598622	0,025872527	3,09319E-06	1,1012E-05	[4]	Group186	4,09	28,00
GO:0006508	proteolysis	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	5,7795E-05	0,00039507	3,09319E-06	1,1012E-05	[4, 5]	Group186	4,07	77,00
GO:0006518	peptide metabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,002876424	0,007864966	3,09319E-06	1,1012E-05	[4, 5]	Group186	4,23	37,00
GO:0030163	protein catabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,003023085	0,008126664	3,09319E-06	1,1012E-05	[4, 5]	Group186	4,10	41,00
GO:0031329	regulation of cellular catabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,00275227	0,007656751	3,09319E-06	1,1012E-05	[4, 5]	Group186	4,21	38,00
GO:0034248	regulation of cellular amide metabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000700788	0,00270425	3,09319E-06	1,1012E-05	[4, 5]	Group186	5,22	26,00
GO:0034655	nucleobase-containing compound catabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,009850574	0,020229612	3,09319E-06	1,1012E-05	[4, 5]	Group186	4,33	25,00
GO:0044265	cellular macromolecule catabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000537689	0,002237255	3,09319E-06	1,1012E-05	[4, 5]	Group186	4,19	52,00

GO:0034250	positive regulation of cellular amide metabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,002245195	0,006611236	3,09319E-06	1,1012E-05	[4, 5, 6]	Group186	6,86	12,00
GO:0043604	amide biosynthetic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,00857806	0,018283304	3,09319E-06	1,1012E-05	[5]	Group186	4,00	35,00
GO:0010608	posttranscriptional regulation of gene expression	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000370525	0,001688533	3,09319E-06	1,1012E-05	[5, 6]	Group186	4,89	34,00
GO:0043043	peptide biosynthetic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,013397908	0,025694987	3,09319E-06	1,1012E-05	[5, 6]	Group186	4,06	29,00
GO:0044257	cellular protein catabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,003651367	0,009343204	3,09319E-06	1,1012E-05	[5, 6]	Group186	4,23	35,00
GO:0043487	regulation of RNA stability	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,014361648	0,026584327	3,09319E-06	1,1012E-05	[3, 5, 6, 7, 8]	Group186	5,61	11,00
GO:0006401	RNA catabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,009984245	0,020460218	3,09319E-06	1,1012E-05	[5, 6, 7]	Group186	4,64	20,00
GO:0006413	translational initiation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,002980064	0,008079099	3,09319E-06	1,1012E-05	[3, 6, 7, 8]	Group186	6,34	13,00
GO:0051603	proteolysis involved in cellular protein catabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,003256541	0,00856184	3,09319E-06	1,1012E-05	[5, 6, 7]	Group186	4,34	33,00
GO:0006402	mRNA catabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,014094888	0,026242817	3,09319E-06	1,1012E-05	[5, 6, 7, 8]	Group186	4,64	18,00
GO:0006417	regulation of translation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000423629	0,001851203	3,09319E-06	1,1012E-05	[5, 6, 7, 8]	Group186	5,59	24,00
GO:0010498	proteasomal protein catabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,006044001	0,013870765	3,09319E-06	1,1012E-05	[5, 6, 7, 8]	Group186	4,64	23,00
GO:0006446	regulation of translational initiation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,019380657	0,033783767	3,09319E-06	1,1012E-05	[4, 6, 7, 8, 9]	Group186	7,41	6,00
GO:0017148	negative regulation of translation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,012469945	0,024354564	3,09319E-06	1,1012E-05	[5, 6, 7, 8, 9]	Group186	6,34	9,00
GO:0045727	positive regulation of translation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,011439243	0,022712355	3,09319E-06	1,1012E-05	[5, 6, 7, 8, 9]	Group186	6,43	9,00
GO:0000956	nuclear-transcribed mRNA catabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,029677309	0,045956612	3,09319E-06	1,1012E-05	[6, 7, 8, 9]	Group186	5,02	11,00
GO:0000288	nuclear-transcribed mRNA catabolic process, deadenylation-dependent decay	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,0039889	0,009915266	3,09319E-06	1,1012E-05	[7, 8, 9, 10]	Group186	9,09	7,00
GO:0043928	exonucleolytic catabolism of deadenylated mRNA	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,010381774	0,021094177	3,09319E-06	1,1012E-05	[8, 9, 10, 11]	Group186	12,12	4,00
GO:0007044	cell-substrate junction assembly	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	6,03086E-06	5,82983E-05	3,77865E-06	1,2935E-05	[6]	Group057	11,82	13,00
GO:0070831	basement membrane assembly	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,009205425	0,019319279	3,77865E-06	1,2935E-05	[6, 7]	Group057	17,65	3,00
GO:0031581	hemidesmosome assembly	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	1,29834E-05	0,000111938	3,77865E-06	1,2935E-05	[7]	Group057	38,46	5,00
GO:0036294	cellular response to decreased oxygen levels	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	6,02248E-06	5,88114E-05	4,39587E-06	1,4763E-05	[5]	Group060	8,60	19,00



GO:0043618	regulation of transcription from RNA polymerase II promoter in response to stress	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,016302135	0,029436117	4,39587E-06	1,4763E-05	[5, 7, 8, 9, 10, 11, 12]	Group060	6,45	8,00
GO:0036003	positive regulation of transcription from RNA polymerase II promoter in response to stress	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,008316356	0,017884837	4,39587E-06	1,4763E-05	[6, 7, 8, 9, 10, 11, 12, 13]	Group060	12,90	4,00
GO:0060429	epithelium development	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	5,08926E-06	5,18131E-05	5,08926E-06	1,6776E-05	[4]	Group102	4,64	64,00
GO:0030855	epithelial cell differentiation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,00043345	0,001885508	5,08926E-06	1,6776E-05	[4, 5]	Group102	4,66	38,00
GO:0002064	epithelial cell development	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	3,30027E-06	3,50928E-05	5,08926E-06	1,6776E-05	[4, 5, 6]	Group102	8,62	20,00
GO:0003158	endothelium development	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000445457	0,001920282	5,08926E-06	1,6776E-05	[5]	Group102	8,80	11,00
GO:0001885	endothelial cell development	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000314285	0,001481627	5,08926E-06	1,6776E-05	[5, 6, 7]	Group102	12,12	8,00
GO:0098751	bone cell development	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,014057252	0,026326399	6,2456E-06	2,0213E-05	[4, 5, 6, 7]	Group084	11,11	4,00
GO:0030099	myeloid cell differentiation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	6,2456E-06	5,97704E-05	6,2456E-06	2,0213E-05	[4, 5, 6, 7, 8]	Group084	6,55	29,00
GO:0061515	myeloid cell development	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000976749	0,003436575	6,2456E-06	2,0213E-05	[4, 5, 6, 7, 8, 9]	Group084	10,26	8,00
GO:0043249	erythrocyte maturation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,012620698	0,024499003	6,2456E-06	2,0213E-05	[4, 5, 6, 7, 8, 9, 10, 11]	Group084	15,79	3,00
GO:0044089	positive regulation of cellular component biogenesis	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,006975319	0,01552414	1,18322E-05	3,761E-05	[3, 4, 5]	Group130	4,41	26,00
GO:0034329	cell junction assembly	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000284442	0,001361054	1,18322E-05	3,761E-05	[5]	Group130	5,54	26,00
GO:1901888	regulation of cell junction assembly	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,029677309	0,045956612	1,18322E-05	3,761E-05	[4, 5, 6]	Group130	5,02	11,00
GO:1901890	positive regulation of cell junction assembly	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,023341313	0,038579684	1,18322E-05	3,761E-05	[4, 5, 6, 7]	Group130	6,48	7,00
GO:0001954	positive regulation of cell-matrix adhesion	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000936067	0,003342597	1,18322E-05	3,761E-05	[5, 6, 7]	Group130	11,67	7,00
GO:0099068	postsynapse assembly	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,009311849	0,0194149	1,18322E-05	3,761E-05	[5, 6, 7]	Group130	12,50	4,00
GO:0001816	cytokine production	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000179184	0,00095266	1,64661E-05	5,142E-05	[2, 5]	Group072	4,75	41,00
GO:0006954	inflammatory response	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000333665	0,001557644	1,64661E-05	5,142E-05	[4]	Group072	4,73	38,00
GO:0050727	regulation of inflammatory response	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,005733951	0,013254566	1,64661E-05	5,142E-05	[4, 5, 6]	Group072	4,99	19,00
GO:0001816	cytokine production	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000179184	0,00095266	1,64661E-05	5,142E-05	[2, 5]	Group144	4,75	41,00
GO:0006954	inflammatory response	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000333665	0,001557644	1,64661E-05	5,142E-05	[4]	Group144	4,73	38,00

GO:0001817	regulation of cytokine production	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,001565843	0,005045494	1,64661E-05	5,142E-05	[3, 4, 5, 6]	Group144	4,46	35,00
GO:0032635	interleukin-6 production	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,001438689	0,004715156	1,64661E-05	5,142E-05	[3, 6]	Group144	7,23	12,00
GO:0001819	positive regulation of cytokine production	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,013490905	0,025718717	1,64661E-05	5,142E-05	[3, 4, 5, 6, 7]	Group144	4,37	22,00
GO:0032652	regulation of interleukin-1 production	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,023341313	0,038579684	1,64661E-05	5,142E-05	[4, 5, 6, 7]	Group144	6,48	7,00
GO:0032675	regulation of interleukin-6 production	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000707176	0,002707069	1,64661E-05	5,142E-05	[4, 5, 6, 7]	Group144	7,84	12,00
GO:0032715	negative regulation of interleukin-6 production	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,007454556	0,016362408	1,64661E-05	5,142E-05	[4, 5, 6, 7, 8]	Group144	10,64	5,00
GO:0050663	cytokine secretion	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,028077139	0,044266593	1,64661E-05	5,142E-05	[3, 4, 5, 6, 7, 8, 9]	Group144	4,76	13,00
GO:0030218	erythrocyte differentiation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,001763233	0,005550702	2,06316E-05	6,3318E-05	[4, 5, 6, 7, 8, 9]	Group059	7,94	10,00
GO:0061515	myeloid cell development	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000976749	0,003436575	2,06316E-05	6,3318E-05	[4, 5, 6, 7, 8, 9]	Group059	10,26	8,00
GO:0043249	erythrocyte maturation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,012620698	0,024499003	2,06316E-05	6,3318E-05	[4, 5, 6, 7, 8, 9, 10, 11]	Group059	15,79	3,00
GO:0043616	keratinocyte proliferation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000302994	0,001435473	2,58225E-05	7,7905E-05	[4]	Group117	14,00	7,00
GO:0030856	regulation of epithelial cell differentiation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,02252461	0,037685405	2,58225E-05	7,7905E-05	[4, 5, 6]	Group117	5,73	9,00
GO:0010837	regulation of keratinocyte proliferation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000487032	0,002035325	2,58225E-05	7,7905E-05	[5, 6]	Group117	15,38	6,00
GO:0030858	positive regulation of epithelial cell differentiation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,025888894	0,041569918	2,58225E-05	7,7905E-05	[4, 5, 6, 7]	Group117	7,81	5,00
GO:1904035	regulation of epithelial cell apoptotic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	9,95666E-05	0,000610803	2,58225E-05	7,7905E-05	[6, 7]	Group117	11,36	10,00
GO:0001570	vasculogenesis	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,002293606	0,006712479	2,58225E-05	7,7905E-05	[4, 5, 6, 7, 8, 9, 10]	Group117	8,99	8,00
GO:0002294	CD4-positive, alpha-beta T cell differentiation involved in immune response	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,02291313	0,038135417	2,68601E-05	7,8379E-05	[8, 9, 10, 11, 12, 13]	Group125	8,06	5,00
GO:0002263	cell activation involved in immune response	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	1,98211E-05	0,000163524	2,68601E-05	7,8379E-05	[3]	Group125	5,24	41,00
GO:0046649	lymphocyte activation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,001648926	0,0052426	2,68601E-05	7,8379E-05	[3, 4]	Group125	4,41	36,00
GO:0002285	lymphocyte activation involved in immune response	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,004762104	0,01147943	2,68601E-05	7,8379E-05	[4, 5]	Group125	6,25	12,00
GO:0042110	T cell activation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,002095667	0,006306772	2,68601E-05	7,8379E-05	[4, 5]	Group125	4,90	25,00
GO:0030098	lymphocyte differentiation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,005579029	0,013022271	2,68601E-05	7,8379E-05	[4, 5, 6, 7, 8, 9]	Group125	5,00	19,00

GO:0002294	CD4-positive, alpha-beta T cell differentiation involved in immune response	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,02291313	0,038135417	2,66407E-05	7,9034E-05	[8, 9, 10, 11, 12, 13]	Group174	8,06	5,00
GO:0072539	T-helper 17 cell differentiation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,029607117	0,045996774	2,66407E-05	7,9034E-05	[6, 10, 11, 12, 13, 14, 15]	Group174	11,54	3,00
GO:0002285	lymphocyte activation involved in immune response	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,004762104	0,01147943	2,66407E-05	7,9034E-05	[4, 5]	Group174	6,25	12,00
GO:0032616	interleukin-13 production	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,032678593	0,04924947	2,66407E-05	7,9034E-05	[3, 6]	Group174	11,11	3,00
GO:0032633	interleukin-4 production	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,002621352	0,007400101	2,66407E-05	7,9034E-05	[3, 6]	Group174	13,51	5,00
GO:0032634	interleukin-5 production	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,021358484	0,036113199	2,66407E-05	7,9034E-05	[3, 6]	Group174	13,04	3,00
GO:0001819	positive regulation of cytokine production	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,013490905	0,025718717	2,66407E-05	7,9034E-05	[3, 4, 5, 6, 7]	Group174	4,37	22,00
GO:0070528	protein kinase C signaling	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,002037594	0,006210119	2,66407E-05	7,9034E-05	[4, 5, 6]	Group174	14,29	5,00
GO:0032736	positive regulation of interleukin-13 production	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,006402782	0,014520053	2,66407E-05	7,9034E-05	[4, 5, 6, 7, 8]	Group174	20,00	3,00
GO:0032754	positive regulation of interleukin-5 production	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,004184007	0,010319832	2,66407E-05	7,9034E-05	[4, 5, 6, 7, 8]	Group174	23,08	3,00
GO:0050663	cytokine secretion	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,028077139	0,044266593	2,66407E-05	7,9034E-05	[3, 4, 5, 6, 7, 8, 9]	Group174	4,76	13,00
GO:0030098	lymphocyte differentiation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,005579029	0,013022271	2,66407E-05	7,9034E-05	[4, 5, 6, 7, 8, 9]	Group174	5,00	19,00
GO:0035745	T-helper 2 cell cytokine production	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,007729088	0,016887529	2,66407E-05	7,9034E-05	[4, 6, 8, 9]	Group174	18,75	3,00
GO:0072602	interleukin-4 secretion	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000575675	0,002344345	2,66407E-05	7,9034E-05	[4, 5, 6, 7, 8, 9, 10]	Group174	42,86	3,00
GO:0097028	dendritic cell differentiation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,029624119	0,045948595	2,66407E-05	7,9034E-05	[5, 6, 7, 8, 9]	Group174	8,89	4,00
GO:0030513	positive regulation of BMP signaling pathway	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,016912684	0,030253155	2,66407E-05	7,9034E-05	[5, 6, 7, 8, 9, 10]	Group174	10,53	4,00
GO:0051091	positive regulation of DNA-binding transcription factor activity	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,018849541	0,03297808	2,66407E-05	7,9034E-05	[2, 3, 4, 7, 8, 9, 10, 11, 12, 13]	Group174	4,90	14,00
GO:0051092	positive regulation of NF-kappaB transcription factor activity	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,012154936	0,023885572	2,66407E-05	7,9034E-05	[3, 4, 5, 8, 9, 10, 11, 12, 13, 14]	Group174	6,02	10,00
GO:0090559	regulation of membrane permeability	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,030644687	0,046923146	2,84964E-05	8,1812E-05	[3]	Group131	6,67	6,00
GO:0001836	release of cytochrome c from mitochondria	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,001802429	0,005618646	2,84964E-05	8,1812E-05	[4, 5, 6, 7]	Group131	10,45	7,00
GO:1903747	regulation of establishment of protein localization to mitochondrion	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,016363574	0,029491413	2,84964E-05	8,1812E-05	[5, 6, 7, 8]	Group131	7,69	6,00
GO:0097153	cysteine-type endopeptidase activity involved in apoptotic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000249894	0,001232725	2,84964E-05	8,1812E-05	[5, 9, 10]	Group131	6,97	17,00

GO:0043281	regulation of cysteine-type endopeptidase activity involved in apoptotic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000159916	0,000884625	2,84964E-05	8,1812E-05	[6, 7, 8, 9, 10, 11]	Group131	7,23	17,00
GO:0043154	negative regulation of cysteine-type endopeptidase activity involved in apoptotic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000993196	0,003468936	2,84964E-05	8,1812E-05	[6, 7, 8, 9, 10, 11, 12]	Group131	9,28	9,00
GO:0006914	autophagy	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,030111073	0,046254087	3,29155E-05	9,2999E-05	[3, 4]	Group162	4,04	22,00
GO:0009894	regulation of catabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,002341402	0,006810703	3,29155E-05	9,2999E-05	[3, 4]	Group162	4,08	44,00
GO:0009057	macromolecule catabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000587955	0,002364171	3,29155E-05	9,2999E-05	[4]	Group162	4,01	60,00
GO:0009895	negative regulation of catabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,004089869	0,010139908	3,29155E-05	9,2999E-05	[3, 4, 5]	Group162	5,26	18,00
GO:0030163	protein catabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,003023085	0,008126664	3,29155E-05	9,2999E-05	[4, 5]	Group162	4,10	41,00
GO:0031329	regulation of cellular catabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,00275227	0,007656751	3,29155E-05	9,2999E-05	[4, 5]	Group162	4,21	38,00
GO:0044265	cellular macromolecule catabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000537689	0,002237255	3,29155E-05	9,2999E-05	[4, 5]	Group162	4,19	52,00
GO:0031330	negative regulation of cellular catabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,006713833	0,015047162	3,29155E-05	9,2999E-05	[4, 5, 6]	Group162	5,40	15,00
GO:0010608	posttranscriptional regulation of gene expression	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000370525	0,001688533	3,29155E-05	9,2999E-05	[5, 6]	Group162	4,89	34,00
GO:0043487	regulation of RNA stability	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,014361648	0,026584327	3,29155E-05	9,2999E-05	[3, 5, 6, 7, 8]	Group162	5,61	11,00
GO:0006401	RNA catabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,009984245	0,020460218	3,29155E-05	9,2999E-05	[5, 6, 7]	Group162	4,64	20,00
GO:0007264	small GTPase mediated signal transduction	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,002490827	0,007158323	3,86397E-05	0,00010747	[4, 5, 6]	Group120	4,65	28,00
GO:0043087	regulation of GTPase activity	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000172834	0,000924034	3,86397E-05	0,00010747	[5]	Group120	5,53	28,00
GO:0051345	positive regulation of hydrolase activity	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	9,69574E-06	8,7536E-05	3,86397E-05	0,00010747	[5]	Group120	5,30	43,00
GO:0007265	Ras protein signal transduction	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,009073091	0,019167656	3,86397E-05	0,00010747	[5, 6, 7]	Group120	4,68	20,00
GO:0043547	positive regulation of GTPase activity	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000437988	0,001896626	3,86397E-05	0,00010747	[6]	Group120	5,58	24,00
GO:0005096	GTPase activator activity	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,004219768	0,010354661	3,86397E-05	0,00010747	[6, 7]	Group120	5,52	16,00
GO:0007492	endoderm development	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000448379	0,001924211	4,22951E-05	0,00011582	[4]	Group153	10,34	9,00
GO:0048598	embryonic morphogenesis	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000934627	0,003362548	4,22951E-05	0,00011582	[3, 4, 5]	Group153	4,79	31,00
GO:0001704	formation of primary germ layer	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,008327947	0,017869608	4,22951E-05	0,00011582	[3, 4, 5, 6, 7]	Group153	6,77	9,00

GO:0007369	gastrulation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,00706902	0,015696175	4,22951E-05	0,00011582	[4, 5, 6]	Group153	5,94	12,00
GO:0034446	substrate adhesion-dependent cell spreading	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,007866058	0,017108677	4,22951E-05	0,00011582	[4, 5, 6]	Group153	7,34	8,00
GO:0085029	extracellular matrix assembly	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,001065304	0,003680489	4,22951E-05	0,00011582	[5, 6]	Group153	13,33	6,00
GO:0001706	endoderm formation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000936067	0,003342597	4,22951E-05	0,00011582	[4, 5, 6, 7, 8]	Group153	11,67	7,00
GO:0035987	endodermal cell differentiation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,009662041	0,020057641	4,22951E-05	0,00011582	[4, 5, 6, 7, 8, 9]	Group153	10,00	5,00
GO:0070831	basement membrane assembly	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,009205425	0,019319279	4,22951E-05	0,00011582	[6, 7]	Group153	17,65	3,00
GO:0031581	hemidesmosome assembly	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	1,29834E-05	0,000111938	4,22951E-05	0,00011582	[7]	Group153	38,46	5,00
GO:0010812	negative regulation of cell-substrate adhesion	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,032554209	0,04921703	5,06855E-05	0,0001367	[4, 5, 6]	Group078	7,35	5,00
GO:0051017	actin filament bundle assembly	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	2,96766E-05	0,000225401	5,06855E-05	0,0001367	[5, 6, 7, 9]	Group078	9,09	15,00
GO:0032231	regulation of actin filament bundle assembly	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	5,44583E-06	5,48596E-05	5,06855E-05	0,0001367	[4, 5, 6, 7, 8, 9, 10]	Group078	11,93	13,00
GO:0032232	negative regulation of actin filament bundle assembly	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,010381774	0,021094177	5,06855E-05	0,0001367	[5, 6, 7, 8, 9, 10, 11]	Group078	12,12	4,00
GO:0031644	regulation of nervous system process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,003465883	0,008988754	6,46096E-05	0,00017165	[4, 5]	Group158	6,83	11,00
GO:0031646	positive regulation of nervous system process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000627276	0,00248059	6,46096E-05	0,00017165	[3, 4, 5, 6]	Group158	10,96	8,00
GO:1901890	positive regulation of cell junction assembly	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,023341313	0,038579684	6,46096E-05	0,00017165	[4, 5, 6, 7]	Group158	6,48	7,00
GO:0050806	positive regulation of synaptic transmission	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,010380722	0,021136915	6,46096E-05	0,00017165	[3, 4, 5, 6, 7, 8, 9]	Group158	5,88	11,00
GO:0099068	postsynapse assembly	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,009311849	0,0194149	6,46096E-05	0,00017165	[5, 6, 7]	Group158	12,50	4,00
GO:0106027	neuron projection organization	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,015182317	0,02772801	6,46096E-05	0,00017165	[6]	Group158	7,07	7,00
GO:1904646	cellular response to amyloid-beta	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,018466409	0,032485943	6,46096E-05	0,00017165	[6, 7]	Group158	10,26	4,00
GO:0060291	long-term synaptic potentiation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,012985187	0,02500367	6,46096E-05	0,00017165	[4, 5, 6, 7, 8, 9, 10]	Group158	7,29	7,00
GO:0098815	modulation of excitatory postsynaptic potential	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,008146646	0,017638776	6,46096E-05	0,00017165	[4, 5, 6, 7, 8, 9, 10]	Group158	10,42	5,00
GO:0060996	dendritic spine development	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,031476401	0,047890171	6,46096E-05	0,00017165	[3, 4, 7, 8, 10, 11, 12]	Group158	6,09	7,00
GO:2001257	regulation of cation channel activity	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,002512984	0,007178881	6,46096E-05	0,00017165	[6, 7, 8, 9, 10]	Group158	6,47	13,00
GO:0019637	organophosphate metabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000611052	0,002436569	7,36423E-05	0,00019277	[3, 4]	Group124	4,26	48,00

GO:0055086	nucleobase-containing small molecule metabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,003933324	0,009853902	7,36423E-05	0,00019277	[3, 4, 5]	Group124	4,41	30,00
GO:0090407	organophosphate biosynthetic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000779392	0,002936529	7,36423E-05	0,00019277	[4, 5]	Group124	4,79	32,00
GO:0006140	regulation of nucleotide metabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,023751667	0,039055575	7,36423E-05	0,00019277	[4, 5, 6, 7, 8]	Group124	6,02	8,00
GO:0009117	nucleotide metabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,022016035	0,036963765	7,36423E-05	0,00019277	[5, 6, 7]	Group124	4,07	24,00
GO:0009179	purine ribonucleoside diphosphate metabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,007714132	0,01689342	7,36423E-05	0,00019277	[7, 8, 9]	Group124	6,45	10,00
GO:0098801	regulation of renal system process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,003317585	0,008674669	8,34554E-05	0,00021529	[4, 5]	Group101	12,82	5,00
GO:0032715	negative regulation of interleukin-6 production	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,007454556	0,016362408	8,34554E-05	0,00021529	[4, 5, 6, 7, 8]	Group101	10,64	5,00
GO:0033135	regulation of peptidyl-serine phosphorylation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,011230711	0,022437977	8,34554E-05	0,00021529	[7, 8, 9, 10]	Group101	6,10	10,00
GO:0043027	cysteine-type endopeptidase inhibitor activity involved in apoptotic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,032678593	0,04924947	8,34554E-05	0,00021529	[5, 6, 7, 8, 9, 10, 11, 12, 13]	Group101	11,11	3,00
GO:0043154	negative regulation of cysteine-type endopeptidase activity involved in apoptotic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000993196	0,003468936	8,34554E-05	0,00021529	[6, 7, 8, 9, 10, 11, 12]	Group101	9,28	9,00
GO:0001816	cytokine production	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000179184	0,00095266	0,000101219	0,00025738	[2, 5]	Group123	4,75	41,00
GO:1904951	positive regulation of establishment of protein localization	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,032269876	0,048864357	0,000101219	0,00025738	[2, 3, 4, 5, 6]	Group123	4,05	21,00
GO:0001817	regulation of cytokine production	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,001565843	0,005045494	0,000101219	0,00025738	[3, 4, 5, 6]	Group123	4,46	35,00
GO:0032633	interleukin-4 production	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,002621352	0,007400101	0,000101219	0,00025738	[3, 6]	Group123	13,51	5,00
GO:0009306	protein secretion	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,017033646	0,030412685	0,000101219	0,00025738	[4, 5, 6, 7, 8]	Group123	4,05	27,00
GO:0050663	cytokine secretion	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,028077139	0,044266593	0,000101219	0,00025738	[3, 4, 5, 6, 7, 8, 9]	Group123	4,76	13,00
GO:0016032	viral process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	6,47297E-05	0,000427216	0,00012331	0,00030914	[3]	Group091	4,77	46,00
GO:0051701	interaction with host	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,013796489	0,026041893	0,00012331	0,00030914	[3]	Group091	5,43	12,00
GO:0019058	viral life cycle	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,010250798	0,020916874	0,00012331	0,00030914	[4]	Group091	4,90	17,00
GO:0046718	viral entry into host cell	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,023751667	0,039055575	0,00012331	0,00030914	[5, 6]	Group091	6,02	8,00
GO:0001885	endothelial cell development	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000314285	0,001481627	0,000126811	0,00031351	[5, 6, 7]	Group064	12,12	8,00
GO:0071287	cellular response to manganese ion	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,004184007	0,010319832	0,000126811	0,00031351	[6]	Group064	23,08	3,00
GO:0071320	cellular response to cAMP	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,003981134	0,009921734	0,000126811	0,00031351	[5, 6, 7]	Group064	10,34	6,00

GO:0001935	endothelial cell proliferation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,003633375	0,00934715	0,000148303	0,00036162	[4]	Group137	6,79	11,00
GO:0001936	regulation of endothelial cell proliferation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,014143549	0,026282284	0,000148303	0,00036162	[5, 6]	Group137	6,21	9,00
GO:0040037	negative regulation of fibroblast growth factor receptor signaling pathway	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,012620698	0,024499003	0,000148303	0,00036162	[4, 5, 6, 7, 8, 9, 10]	Group137	15,79	3,00
GO:0070306	lens fiber cell differentiation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,015443421	0,028044315	0,000148303	0,00036162	[4, 5, 6, 8, 9, 10]	Group137	10,81	4,00
GO:0002040	sprouting angiogenesis	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,00041584	0,001833911	0,000148303	0,00036162	[4, 5, 6, 7, 8, 9, 10, 11]	Group137	8,87	11,00
GO:0002043	blood vessel endothelial cell proliferation involved in sprouting angiogenesis	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,00033793	0,001562316	0,000148303	0,00036162	[5, 6, 7, 8, 9, 10, 11, 12]	Group137	20,83	5,00
GO:1903670	regulation of sprouting angiogenesis	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,003441989	0,008951043	0,000148303	0,00036162	[5, 6, 7, 8, 9, 10, 11, 12]	Group137	9,33	7,00
GO:0015278	calcium-release channel activity	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,010487842	0,021219587	0,000158836	0,00038206	[5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15]	Group151	9,80	5,00
GO:0051281	positive regulation of release of sequestered calcium ion into cytosol	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,025549145	0,041231927	0,000158836	0,00038206	[4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16]	Group151	9,30	4,00
GO:0051651	maintenance of location in cell	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,00192218	0,005914877	0,000158836	0,00038206	[2, 3, 4]	Group151	6,17	15,00
GO:0034764	positive regulation of transmembrane transport	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,031413406	0,047870431	0,000158836	0,00038206	[3, 4, 5, 6]	Group151	4,98	11,00
GO:0043270	positive regulation of ion transport	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,029049521	0,045351375	0,000158836	0,00038206	[3, 4, 5, 6]	Group151	4,62	14,00
GO:0051208	sequestering of calcium ion	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000410002	0,001824987	0,000158836	0,00038206	[3, 4, 5, 8, 10]	Group151	8,33	12,00
GO:0010522	regulation of calcium ion transport into cytosol	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,007866058	0,017108677	0,000158836	0,00038206	[3, 4, 5, 7, 8, 9, 10, 11, 13]	Group151	7,34	8,00
GO:0060402	calcium ion transport into cytosol	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000377397	0,001703626	0,000158836	0,00038206	[4, 10, 12]	Group151	7,57	14,00
GO:0051209	release of sequestered calcium ion into cytosol	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,0002773	0,001333548	0,000158836	0,00038206	[4, 5, 6, 7, 8, 10, 11, 12, 13, 14]	Group151	8,70	12,00
GO:1903053	regulation of extracellular matrix organization	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,006195141	0,01411607	0,000184808	0,00043861	[4, 5, 6]	Group067	11,11	5,00
GO:0022617	extracellular matrix disassembly	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000448379	0,001924211	0,000184808	0,00043861	[5, 6]	Group067	10,34	9,00
GO:0010715	regulation of extracellular matrix disassembly	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,012620698	0,024499003	0,000184808	0,00043861	[5, 6, 7]	Group067	15,79	3,00
GO:0040008	regulation of growth	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,002803932	0,007710812	0,000192469	0,00045078	[2, 3]	Group166	4,42	32,00
GO:0045927	positive regulation of growth	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,01690525	0,030296486	0,000192469	0,00045078	[2, 3, 4]	Group166	4,96	14,00
GO:0048638	regulation of developmental growth	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,014668097	0,026943127	0,000192469	0,00045078	[3, 4]	Group166	4,71	17,00

GO:0001558	regulation of cell growth	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,028421564	0,044662461	0,000192469	0,00045078	[3, 4, 5]	Group166	4,22	19,00
GO:0046620	regulation of organ growth	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,024403341	0,039853238	0,000192469	0,00045078	[3, 4, 5]	Group166	6,42	7,00
GO:0048588	developmental cell growth	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,01525921	0,027815361	0,000192469	0,00045078	[3, 4, 5]	Group166	5,18	13,00
GO:0030307	positive regulation of cell growth	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,020310845	0,034771878	0,000192469	0,00045078	[3, 4, 5, 6]	Group166	5,56	10,00
GO:0120039	plasma membrane bounded cell projection morphogenesis	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,009786652	0,020228567	0,000192469	0,00045078	[5, 6, 7]	Group166	4,12	30,00
GO:0055024	regulation of cardiac muscle tissue development	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,008760029	0,018588355	0,000192469	0,00045078	[5, 6, 7, 8, 9]	Group166	7,87	7,00
GO:0048667	cell morphogenesis involved in neuron differentiation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,006632533	0,014899846	0,000192469	0,00045078	[5, 6, 8, 9, 10]	Group166	4,33	28,00
GO:0060043	regulation of cardiac muscle cell proliferation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,031797417	0,04830179	0,000192469	0,00045078	[4, 5, 6, 7, 8, 9, 10, 11]	Group166	8,70	4,00
GO:0061564	axon development	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,00784214	0,01709551	0,000192469	0,00045078	[6, 7, 9, 10, 11]	Group166	4,42	25,00
GO:0043154	negative regulation of cysteine-type endopeptidase activity involved in apoptotic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000993196	0,003468936	0,000192469	0,00045078	[6, 7, 8, 9, 10, 11, 12]	Group166	9,28	9,00
GO:0001816	cytokine production	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000179184	0,00095266	0,000205909	0,000476	[2, 5]	Group113	4,75	41,00
GO:0001817	regulation of cytokine production	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,001565843	0,005045494	0,000205909	0,000476	[3, 4, 5, 6]	Group113	4,46	35,00
GO:0001819	positive regulation of cytokine production	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,013490905	0,025718717	0,000205909	0,000476	[3, 4, 5, 6, 7]	Group113	4,37	22,00
GO:0051091	positive regulation of DNA-binding transcription factor activity	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,018849541	0,03297808	0,000205909	0,000476	[2, 3, 4, 7, 8, 9, 10, 11, 12, 13]	Group113	4,90	14,00
GO:0051092	positive regulation of NF-kappaB transcription factor activity	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,012154936	0,023885572	0,000205909	0,000476	[3, 4, 5, 8, 9, 10, 11, 12, 13, 14]	Group113	6,02	10,00
GO:0033002	muscle cell proliferation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	3,12928E-05	0,000233963	0,000281373	0,00064211	[3]	Group156	8,25	17,00
GO:0035019	somatic stem cell population maintenance	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,020465165	0,034911167	0,000281373	0,00064211	[3, 4]	Group156	7,32	6,00
GO:0046620	regulation of organ growth	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,024403341	0,039853238	0,000281373	0,00064211	[3, 4, 5]	Group156	6,42	7,00
GO:0050679	positive regulation of epithelial cell proliferation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,00018895	0,000982745	0,000281373	0,00064211	[4, 5, 6]	Group156	7,41	16,00
GO:0101023	vascular endothelial cell proliferation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,026696119	0,042651396	0,000281373	0,00064211	[5]	Group156	12,00	3,00
GO:0055024	regulation of cardiac muscle tissue development	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,008760029	0,018588355	0,000281373	0,00064211	[5, 6, 7, 8, 9]	Group156	7,87	7,00
GO:0060487	lung epithelial cell differentiation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,018932438	0,03306267	0,000281373	0,00064211	[5, 6, 7, 8, 9]	Group156	13,64	3,00
GO:1905564	positive regulation of vascular endothelial cell proliferation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,014564467	0,026855865	0,000281373	0,00064211	[6, 7, 8]	Group156	15,00	3,00



GO:0060043	regulation of cardiac muscle cell proliferation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,031797417	0,04830179	0,000281373	0,00064211	[4, 5, 6, 7, 8, 9, 10, 11]	Group156	8,70	4,00
GO:2001169	regulation of ATP biosynthetic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,014564467	0,026855865	0,000281373	0,00064211	[4, 5, 7, 8, 9, 10, 11, 12]	Group156	15,00	3,00
GO:1903320	regulation of protein modification by small protein conjugation or removal	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000302301	0,001439316	0,000302301	0,00068113	[6, 7, 8]	Group052	6,85	17,00
GO:0031398	positive regulation of protein ubiquitination	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,001763233	0,005550702	0,000302301	0,00068113	[7, 8, 9, 10, 11]	Group052	7,94	10,00
GO:0051020	GTPase binding	GO_MolecularFunction-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,012022416	0,023673771	0,000323321	0,00071939	[4]	Group106	4,26	25,00
GO:0005088	Ras guanyl-nucleotide exchange factor activity	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,018565632	0,03260057	0,000323321	0,00071939	[5]	Group106	6,30	8,00
GO:0031267	small GTPase binding	GO_MolecularFunction-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,001787578	0,005590562	0,000323321	0,00071939	[5]	Group106	5,12	23,00
GO:0043087	regulation of GTPase activity	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000172834	0,000924034	0,000323321	0,00071939	[5]	Group106	5,53	28,00
GO:0043547	positive regulation of GTPase activity	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000437988	0,001896626	0,000323321	0,00071939	[6]	Group106	5,58	24,00
GO:0009894	regulation of catabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,002341402	0,006810703	0,000329505	0,0007241	[3, 4]	Group114	4,08	44,00
GO:0009895	negative regulation of catabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,004089869	0,010139908	0,000329505	0,0007241	[3, 4, 5]	Group114	5,26	18,00
GO:0031329	regulation of cellular catabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,00275227	0,007656751	0,000329505	0,0007241	[4, 5]	Group114	4,21	38,00
GO:0031330	negative regulation of cellular catabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,006713833	0,015047162	0,000329505	0,0007241	[4, 5, 6]	Group114	5,40	15,00
GO:0042177	negative regulation of protein catabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,032142218	0,048748184	0,000329505	0,0007241	[4, 5, 6, 7]	Group114	5,67	8,00
GO:0045861	negative regulation of proteolysis	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,006054374	0,013861331	0,000329505	0,0007241	[5, 6, 7, 8]	Group114	4,96	19,00
GO:0010035	response to inorganic substance	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,01391736	0,026218332	0,000336764	0,00073102	[3]	Group170	4,16	26,00
GO:0042493	response to drug	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000187942	0,000982845	0,000336764	0,00073102	[3]	Group170	4,38	52,00
GO:0046677	response to antibiotic	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,003973101	0,009927566	0,000336764	0,00073102	[3]	Group170	5,16	19,00
GO:0071216	cellular response to biotic stimulus	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,008525003	0,018251516	0,000336764	0,00073102	[3]	Group170	5,41	14,00
GO:0000302	response to reactive oxygen species	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,033104222	0,049656335	0,000336764	0,00073102	[4]	Group170	4,78	12,00
GO:0062197	cellular response to chemical stress	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,013435385	0,025715327	0,000336764	0,00073102	[4]	Group170	4,66	18,00
GO:0071236	cellular response to antibiotic	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,011685916	0,023058603	0,000336764	0,00073102	[4]	Group170	6,06	10,00
GO:0097237	cellular response to toxic substance	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,015992491	0,028931595	0,000336764	0,00073102	[4]	Group170	5,00	14,00

GO:0042542	response to hydrogen peroxide	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,02252461	0,037685405	0,000336764	0,00073102	[4, 5]	Group170	5,73	9,00
GO:0034614	cellular response to reactive oxygen species	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,01962244	0,034081079	0,000336764	0,00073102	[5, 6]	Group170	5,59	10,00
GO:0032715	negative regulation of interleukin-6 production	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,007454556	0,016362408	0,000336764	0,00073102	[4, 5, 6, 7, 8]	Group170	10,64	5,00
GO:0070301	cellular response to hydrogen peroxide	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,02034726	0,034772012	0,000336764	0,00073102	[5, 6, 7]	Group170	6,67	7,00
GO:1903556	negative regulation of tumor necrosis factor superfamily cytokine production	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,029100992	0,045283981	0,000336764	0,00073102	[4, 5, 6, 7, 8]	Group170	7,58	5,00
GO:0071222	cellular response to lipopolysaccharide	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,006491162	0,014651042	0,000336764	0,00073102	[5, 6, 8]	Group170	5,78	13,00
GO:0033002	muscle cell proliferation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	3,12928E-05	0,000233963	0,000403892	0,00086618	[3]	Group157	8,25	17,00
GO:0045927	positive regulation of growth	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,01690525	0,030296486	0,000403892	0,00086618	[2, 3, 4]	Group157	4,96	14,00
GO:0035019	somatic stem cell population maintenance	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,020465165	0,034911167	0,000403892	0,00086618	[3, 4]	Group157	7,32	6,00
GO:0048638	regulation of developmental growth	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,014668097	0,026943127	0,000403892	0,00086618	[3, 4]	Group157	4,71	17,00
GO:0046620	regulation of organ growth	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,024403341	0,039853238	0,000403892	0,00086618	[3, 4, 5]	Group157	6,42	7,00
GO:0001938	positive regulation of endothelial cell proliferation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,02131371	0,036101274	0,000403892	0,00086618	[5, 6, 7]	Group157	6,60	7,00
GO:0002088	lens development in camera-type eye	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,009845688	0,020263061	0,000403892	0,00086618	[3, 7, 8, 9]	Group157	7,69	7,00
GO:0055024	regulation of cardiac muscle tissue development	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,008760029	0,018588355	0,000403892	0,00086618	[5, 6, 7, 8, 9]	Group157	7,87	7,00
GO:0060043	regulation of cardiac muscle cell proliferation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,031797417	0,04830179	0,000403892	0,00086618	[4, 5, 6, 7, 8, 9, 10, 11]	Group157	8,70	4,00
GO:2000725	regulation of cardiac muscle cell differentiation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,020105848	0,034731582	0,000403892	0,00086618	[5, 6, 7, 8, 9, 10]	Group157	10,00	4,00
GO:0030856	regulation of epithelial cell differentiation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,02252461	0,037685405	0,000427715	0,00090635	[4, 5, 6]	Group164	5,73	9,00
GO:1904019	epithelial cell apoptotic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	3,38977E-05	0,000249539	0,000427715	0,00090635	[5]	Group164	10,81	12,00
GO:0030858	positive regulation of epithelial cell differentiation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,025888894	0,041569918	0,000427715	0,00090635	[4, 5, 6, 7]	Group164	7,81	5,00
GO:0032715	negative regulation of interleukin-6 production	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,007454556	0,016362408	0,000427715	0,00090635	[4, 5, 6, 7, 8]	Group164	10,64	5,00
GO:0071356	cellular response to tumor necrosis factor	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,012930495	0,024948554	0,000427715	0,00090635	[6]	Group164	5,00	15,00
GO:0072577	endothelial cell apoptotic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,003648136	0,009359963	0,000427715	0,00090635	[6]	Group164	10,53	6,00
GO:1903556	negative regulation of tumor necrosis factor superfamily cytokine production	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,029100992	0,045283981	0,000427715	0,00090635	[4, 5, 6, 7, 8]	Group164	7,58	5,00

GO:1904035	regulation of epithelial cell apoptotic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	9,95666E-05	0,000610803	0,000427715	0,00090635	[6, 7]	Group164	11,36	10,00
GO:1904036	negative regulation of epithelial cell apoptotic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000302994	0,001435473	0,000427715	0,00090635	[6, 7, 8]	Group164	14,00	7,00
GO:0060055	angiogenesis involved in wound healing	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,032678593	0,04924947	0,000427715	0,00090635	[4, 5, 6, 7, 8, 9, 10, 11]	Group164	11,11	3,00
GO:2000351	regulation of endothelial cell apoptotic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,002064665	0,006272649	0,000427715	0,00090635	[7, 8]	Group164	11,76	6,00
GO:2000352	negative regulation of endothelial cell apoptotic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,008316356	0,017884837	0,000427715	0,00090635	[7, 8, 9]	Group164	12,90	4,00
GO:0019838	growth factor binding	GO_MolecularFunction-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000592761	0,002373526	0,000592761	0,00124131	[3]	Group071	8,00	12,00
GO:0005520	insulin-like growth factor binding	GO_MolecularFunction-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	1,53255E-05	0,000129792	0,000592761	0,00124131	[4]	Group071	21,88	7,00
GO:0031994	insulin-like growth factor I binding	GO_MolecularFunction-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,004184007	0,010319832	0,000592761	0,00124131	[5]	Group071	23,08	3,00
GO:0005165	neurotrophin receptor binding	GO_MolecularFunction-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,004184007	0,010319832	0,000625023	0,00129365	[5]	Group070	23,08	3,00
GO:0030159	signaling receptor complex adaptor activity	GO_MolecularFunction-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,031797417	0,04830179	0,000625023	0,00129365	[5]	Group070	8,70	4,00
GO:0038179	neurotrophin signaling pathway	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,001065304	0,003680489	0,000625023	0,00129365	[4, 5, 6]	Group070	13,33	6,00
GO:0018209	peptidyl-serine modification	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000275328	0,001337508	0,000670247	0,00135573	[7, 8]	Group119	6,01	22,00
GO:0018105	peptidyl-serine phosphorylation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000650843	0,00255269	0,000670247	0,00135573	[7, 8, 9]	Group119	5,90	20,00
GO:0010951	negative regulation of endopeptidase activity	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,013479644	0,025748543	0,000670247	0,00135573	[7, 8, 9, 10]	Group119	5,11	14,00
GO:0033135	regulation of peptidyl-serine phosphorylation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,011230711	0,022437977	0,000670247	0,00135573	[7, 8, 9, 10]	Group119	6,10	10,00
GO:0043027	cysteine-type endopeptidase inhibitor activity involved in apoptotic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,032678593	0,04924947	0,000670247	0,00135573	[5, 6, 7, 8, 9, 10, 11, 12, 13]	Group119	11,11	3,00
GO:0043154	negative regulation of cysteine-type endopeptidase activity involved in apoptotic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000993196	0,003468936	0,000670247	0,00135573	[6, 7, 8, 9, 10, 11, 12]	Group119	9,28	9,00
GO:0002088	lens development in camera-type eye	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,009845688	0,020263061	0,000666914	0,00136449	[3, 7, 8, 9]	Group062	7,69	7,00
GO:0070306	lens fiber cell differentiation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,015443421	0,028044315	0,000666914	0,00136449	[4, 5, 6, 8, 9, 10]	Group062	10,81	4,00
GO:0002043	blood vessel endothelial cell proliferation involved in sprouting angiogenesis	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,00033793	0,001562316	0,000666914	0,00136449	[5, 6, 7, 8, 9, 10, 11, 12]	Group062	20,83	5,00
GO:0071216	cellular response to biotic stimulus	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,008525003	0,018251516	0,000731504	0,00146301	[3]	Group167	5,41	14,00
GO:0032635	interleukin-6 production	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,001438689	0,004715156	0,000731504	0,00146301	[3, 6]	Group167	7,23	12,00

GO:0042542	response to hydrogen peroxide	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,02252461	0,037685405	0,000731504	0,00146301	[4, 5]	Group167	5,73	9,00
GO:0032652	regulation of interleukin-1 production	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,023341313	0,038579684	0,000731504	0,00146301	[4, 5, 6, 7]	Group167	6,48	7,00
GO:0032675	regulation of interleukin-6 production	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000707176	0,002707069	0,000731504	0,00146301	[4, 5, 6, 7]	Group167	7,84	12,00
GO:0051250	negative regulation of lymphocyte activation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,02252461	0,037685405	0,000731504	0,00146301	[4, 5, 6, 7]	Group167	5,73	9,00
GO:0032715	negative regulation of interleukin-6 production	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,007454556	0,016362408	0,000731504	0,00146301	[4, 5, 6, 7, 8]	Group167	10,64	5,00
GO:0070301	cellular response to hydrogen peroxide	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,02034726	0,034772012	0,000731504	0,00146301	[5, 6, 7]	Group167	6,67	7,00
GO:1903556	negative regulation of tumor necrosis factor superfamily cytokine production	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,029100992	0,045283981	0,000731504	0,00146301	[4, 5, 6, 7, 8]	Group167	7,58	5,00
GO:0071222	cellular response to lipopolysaccharide	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,006491162	0,014651042	0,000731504	0,00146301	[5, 6, 8]	Group167	5,78	13,00
GO:0097028	dendritic cell differentiation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,029624119	0,045948595	0,000731504	0,00146301	[5, 6, 7, 8, 9]	Group167	8,89	4,00
GO:2000352	negative regulation of endothelial cell apoptotic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,008316356	0,017884837	0,000731504	0,00146301	[7, 8, 9]	Group167	12,90	4,00
GO:0043027	cysteine-type endopeptidase inhibitor activity involved in apoptotic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,032678593	0,04924947	0,000731504	0,00146301	[5, 6, 7, 8, 9, 10, 11, 12, 13]	Group167	11,11	3,00
GO:0051098	regulation of binding	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000744828	0,002828573	0,000744828	0,0014731	[3]	Group107	5,58	22,00
GO:0043393	regulation of protein binding	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000816717	0,003017755	0,000744828	0,0014731	[4]	Group107	6,73	15,00
GO:0051099	positive regulation of binding	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000577287	0,002340946	0,000744828	0,0014731	[4]	Group107	7,25	14,00
GO:0051101	regulation of DNA binding	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,02470557	0,040278073	0,000744828	0,0014731	[4]	Group107	5,97	8,00
GO:0032092	positive regulation of protein binding	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000677081	0,00264476	0,000744828	0,0014731	[5]	Group107	9,78	9,00
GO:0051219	phosphoprotein binding	GO_MolecularFunction-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,011026364	0,022075796	0,000753237	0,00147337	[3]	Group118	7,53	7,00
GO:0090559	regulation of membrane permeability	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,030644687	0,046923146	0,000753237	0,00147337	[3]	Group118	6,67	6,00
GO:0006839	mitochondrial transport	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,033457808	0,049951829	0,000753237	0,00147337	[4]	Group118	4,64	13,00
GO:1903829	positive regulation of cellular protein localization	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,025775954	0,04145813	0,000753237	0,00147337	[3, 4, 5, 6]	Group118	4,49	16,00
GO:0001836	release of cytochrome c from mitochondria	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,001802429	0,005618646	0,000753237	0,00147337	[4, 5, 6, 7]	Group118	10,45	7,00
GO:1903747	regulation of establishment of protein localization to mitochondrion	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,016363574	0,029491413	0,000753237	0,00147337	[5, 6, 7, 8]	Group118	7,69	6,00
GO:0042149	cellular response to glucose starvation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,025549145	0,041231927	0,00079609	0,00150749	[5, 6, 7]	Group116	9,30	4,00

GO:0071287	cellular response to manganese ion	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,004184007	0,010319832	0,00079609	0,00150749	[6]	Group116	23,08	3,00
GO:0071320	cellular response to cAMP	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,003981134	0,009921734	0,00079609	0,00150749	[5, 6, 7]	Group116	10,34	6,00
GO:0060487	lung epithelial cell differentiation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,018932438	0,03306267	0,00079609	0,00150749	[5, 6, 7, 8, 9]	Group116	13,64	3,00
GO:0043618	regulation of transcription from RNA polymerase II promoter in response to stress	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,016302135	0,029436117	0,00079609	0,00150749	[5, 7, 8, 9, 10, 11, 12]	Group116	6,45	8,00
GO:0036003	positive regulation of transcription from RNA polymerase II promoter in response to stress	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,008316356	0,017884837	0,00079609	0,00150749	[6, 7, 8, 9, 10, 11, 12, 13]	Group116	12,90	4,00
GO:2001020	regulation of response to DNA damage stimulus	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,004286675	0,010465174	0,000795422	0,00152242	[4, 5, 6]	Group138	5,86	14,00
GO:0051052	regulation of DNA metabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,002958667	0,008043876	0,000795422	0,00152242	[4, 5, 6, 7]	Group138	5,19	20,00
GO:0051053	negative regulation of DNA metabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,02470557	0,040278073	0,000795422	0,00152242	[4, 5, 6, 7, 8]	Group138	5,97	8,00
GO:0051054	positive regulation of DNA metabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,009825587	0,020265274	0,000795422	0,00152242	[4, 5, 6, 7, 8]	Group138	5,69	12,00
GO:0071897	DNA biosynthetic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,006491162	0,014651042	0,000795422	0,00152242	[5, 6, 7]	Group138	5,78	13,00
GO:2000278	regulation of DNA biosynthetic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,005610256	0,013063299	0,000795422	0,00152242	[5, 6, 7, 8]	Group138	7,20	9,00
GO:2000573	positive regulation of DNA biosynthetic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,004285873	0,010489975	0,000795422	0,00152242	[5, 6, 7, 8, 9]	Group138	8,97	7,00
GO:1904645	response to amyloid-beta	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,001862162	0,005748675	0,000791828	0,00153201	[5, 6]	Group068	12,00	6,00
GO:1904646	cellular response to amyloid-beta	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,018466409	0,032485943	0,000791828	0,00153201	[6, 7]	Group068	10,26	4,00
GO:0098815	modulation of excitatory postsynaptic potential	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,008146646	0,017638776	0,000791828	0,00153201	[4, 5, 6, 7, 8, 9, 10]	Group068	10,42	5,00
GO:0034976	response to endoplasmic reticulum stress	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,014044944	0,026354926	0,000886187	0,00166043	[4]	Group142	4,95	15,00
GO:0035967	cellular response to topologically incorrect protein	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000578597	0,00233636	0,000886187	0,00166043	[4, 5]	Group142	7,60	13,00
GO:0030968	endoplasmic reticulum unfolded protein response	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,021922005	0,03687058	0,000886187	0,00166043	[3, 4, 5, 6, 7]	Group142	6,11	8,00
GO:1905897	regulation of response to endoplasmic reticulum stress	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,009845688	0,020263061	0,000886187	0,00166043	[4, 5, 6]	Group142	7,69	7,00
GO:0034620	cellular response to unfolded protein	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,006754607	0,015103176	0,000886187	0,00166043	[5, 6]	Group142	6,58	10,00
GO:0042149	cellular response to glucose starvation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,025549145	0,041231927	0,000886187	0,00166043	[5, 6, 7]	Group142	9,30	4,00
GO:0070059	intrinsic apoptotic signaling pathway in response to endoplasmic reticulum stress	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,032554209	0,04921703	0,000886187	0,00166043	[5, 6, 7]	Group142	7,35	5,00

GO:2001242	regulation of intrinsic apoptotic signaling pathway	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,01703891	0,03036543	0,000886187	0,00166043	[5, 6, 7, 8]	Group142	5,71	10,00
GO:0001935	endothelial cell proliferation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,003633375	0,00934715	0,000912621	0,00169215	[4]	Group129	6,79	11,00
GO:0090287	regulation of cellular response to growth factor stimulus	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,00110216	0,003767027	0,000912621	0,00169215	[3, 4, 6]	Group129	5,94	18,00
GO:0090288	negative regulation of cellular response to growth factor stimulus	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,012154936	0,023885572	0,000912621	0,00169215	[3, 4, 5, 6, 7]	Group129	6,02	10,00
GO:0001936	regulation of endothelial cell proliferation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,014143549	0,026282284	0,000912621	0,00169215	[5, 6]	Group129	6,21	9,00
GO:0090092	regulation of transmembrane receptor protein serine/threonine kinase signaling pathway	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,018717377	0,032806829	0,000912621	0,00169215	[4, 5, 6, 7, 8]	Group129	5,04	13,00
GO:0040037	negative regulation of fibroblast growth factor receptor signaling pathway	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,012620698	0,024499003	0,000912621	0,00169215	[4, 5, 6, 7, 8, 9, 10]	Group129	15,79	3,00
GO:0003170	heart valve development	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,029100992	0,045283981	0,001004703	0,00184368	[3, 5, 6, 7]	Group080	7,58	5,00
GO:0002011	morphogenesis of an epithelial sheet	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000160526	0,000882894	0,001004703	0,00184368	[5, 6]	Group080	13,33	8,00
GO:0044319	wound healing, spreading of cells	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,001784321	0,005598672	0,001004703	0,00184368	[4, 5, 6, 8, 9]	Group080	14,71	5,00
GO:0035313	wound healing, spreading of epidermal cells	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,009205425	0,019319279	0,001004703	0,00184368	[5, 6, 7, 9, 10]	Group080	17,65	3,00
GO:0005975	carbohydrate metabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,014086824	0,02627893	0,001067563	0,00193904	[3]	Group181	4,08	28,00
GO:0072593	reactive oxygen species metabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,031204019	0,047627185	0,001067563	0,00193904	[3]	Group181	4,58	14,00
GO:0044262	cellular carbohydrate metabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000464017	0,001973621	0,001067563	0,00193904	[3, 4]	Group181	6,06	20,00
GO:0062012	regulation of small molecule metabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,027698154	0,043958761	0,001067563	0,00193904	[3, 4]	Group181	4,18	20,00
GO:0005976	polysaccharide metabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,00532592	0,012492415	0,001067563	0,00193904	[4]	Group181	7,26	9,00
GO:0006022	aminoglycan metabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,01962244	0,034081079	0,001067563	0,00193904	[4]	Group181	5,59	10,00
GO:0016051	carbohydrate biosynthetic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,029786352	0,046050951	0,001067563	0,00193904	[4]	Group181	4,86	12,00
GO:0062013	positive regulation of small molecule metabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,008775524	0,018580036	0,001067563	0,00193904	[3, 4, 5]	Group181	6,33	10,00
GO:0006109	regulation of carbohydrate metabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,006973192	0,015555582	0,001067563	0,00193904	[4, 5]	Group181	5,73	13,00
GO:0045913	positive regulation of carbohydrate metabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,002461149	0,007094337	0,001067563	0,00193904	[3, 4, 5, 6]	Group181	8,89	8,00
GO:0000271	polysaccharide biosynthetic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,007299894	0,016133945	0,001067563	0,00193904	[5]	Group181	8,14	7,00
GO:0043255	regulation of carbohydrate biosynthetic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,024403341	0,039853238	0,001067563	0,00193904	[4, 5, 6]	Group181	6,42	7,00

GO:0014909	smooth muscle cell migration	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000144714	0,000819473	0,001067563	0,00193904	[5, 6]	Group181	12,00	9,00
GO:0044070	regulation of anion transport	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,032775592	0,049240567	0,001067563	0,00193904	[5, 6]	Group181	6,03	7,00
GO:0006140	regulation of nucleotide metabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,023751667	0,039055575	0,001067563	0,00193904	[4, 5, 6, 7, 8]	Group181	6,02	8,00
GO:0014910	regulation of smooth muscle cell migration	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000348865	0,001605114	0,001067563	0,00193904	[5, 6, 7]	Group181	11,94	8,00
GO:0032885	regulation of polysaccharide biosynthetic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,023646265	0,038949184	0,001067563	0,00193904	[5, 6, 7]	Group181	9,52	4,00
GO:0051546	keratinocyte migration	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,012620698	0,024499003	0,001067563	0,00193904	[5, 6, 7]	Group181	15,79	3,00
GO:0014911	positive regulation of smooth muscle cell migration	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000943803	0,003345259	0,001067563	0,00193904	[5, 6, 7, 8]	Group181	13,64	6,00
GO:0030212	hyaluronan metabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,005625159	0,013066206	0,001067563	0,00193904	[6, 7]	Group181	11,36	5,00
GO:0051549	positive regulation of keratinocyte migration	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,003281716	0,008604389	0,001067563	0,00193904	[4, 5, 6, 7, 8, 9]	Group181	25,00	3,00
GO:0009179	purine ribonucleoside diphosphate metabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,007714132	0,01689342	0,001067563	0,00193904	[7, 8, 9]	Group181	6,45	10,00
GO:0019751	polyol metabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,006168251	0,014088344	0,001366218	0,00245643	[4, 5]	Group065	6,67	10,00
GO:0071545	inositol phosphate catabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,001606011	0,005140308	0,001366218	0,00245643	[5, 6, 7]	Group065	20,00	4,00
GO:0046856	phosphatidylinositol dephosphorylation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,007393209	0,016265061	0,001366218	0,00245643	[6, 7, 8]	Group065	13,33	4,00
GO:0098751	bone cell development	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,014057252	0,026326399	0,001366218	0,00245643	[4, 5, 6, 7]	Group066	11,11	4,00
GO:0061515	myeloid cell development	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000976749	0,003436575	0,001366218	0,00245643	[4, 5, 6, 7, 8, 9]	Group066	10,26	8,00
GO:0030316	osteoclast differentiation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,02034726	0,034772012	0,001366218	0,00245643	[6, 7, 8, 9, 10]	Group066	6,67	7,00
GO:0006914	autophagy	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,030111073	0,046254087	0,001519263	0,00270429	[3, 4]	Group090	4,04	22,00
GO:0009894	regulation of catabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,002341402	0,006810703	0,001519263	0,00270429	[3, 4]	Group090	4,08	44,00
GO:0016236	macroautophagy	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,033472851	0,049896449	0,001519263	0,00270429	[4, 5]	Group090	4,53	14,00
GO:0031329	regulation of cellular catabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,00275227	0,007656751	0,001519263	0,00270429	[4, 5]	Group090	4,21	38,00
GO:0006458	'de novo' protein folding	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,004597845	0,011111458	0,001563882	0,00275615	[3]	Group134	11,90	5,00
GO:0061077	chaperone-mediated protein folding	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,027465085	0,04366127	0,001563882	0,00275615	[3]	Group134	7,69	5,00
GO:0003756	protein disulfide isomerase activity	GO_MolecularFunction-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,012620698	0,024499003	0,001563882	0,00275615	[3, 5]	Group134	15,79	3,00

GO:0022417	protein maturation by protein folding	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,00186122	0,005764362	0,001563882	0,00275615	[3, 5, 6]	Group134	30,00	3,00
GO:0015036	disulfide oxidoreductase activity	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000560477	0,002292205	0,001563882	0,00275615	[5]	Group134	15,00	6,00
GO:0015035	protein disulfide oxidoreductase activity	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,002326542	0,006788111	0,001563882	0,00275615	[6]	Group134	18,18	4,00
GO:0015037	peptide disulfide oxidoreductase activity	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,005222608	0,012340829	0,001563882	0,00275615	[6]	Group134	21,43	3,00
GO:0007219	Notch signaling pathway	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,002203569	0,006549115	0,001884013	0,00325587	[4, 5, 6]	Group135	6,57	13,00
GO:0008366	axon ensheathment	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,020160235	0,034637965	0,001884013	0,00325587	[3, 6, 7]	Group135	5,84	9,00
GO:0042063	gliogenesis	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,010466523	0,021221317	0,001884013	0,00325587	[5, 6, 7]	Group135	5,00	16,00
GO:0010001	glial cell differentiation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,023210056	0,038495708	0,001884013	0,00325587	[4, 6, 7, 8]	Group135	5,04	12,00
GO:0021782	glial cell development	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,015593992	0,028264109	0,001884013	0,00325587	[4, 5, 7, 8, 9]	Group135	6,50	8,00
GO:0048708	astrocyte differentiation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,027841724	0,043967873	0,001884013	0,00325587	[5, 6, 7, 8, 9]	Group135	6,82	6,00
GO:0014002	astrocyte development	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,031797417	0,04830179	0,001884013	0,00325587	[5, 6, 7, 8, 9, 10]	Group135	8,70	4,00
GO:0031668	cellular response to extracellular stimulus	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,019883081	0,034471214	0,001872875	0,00326835	[3, 4]	Group121	4,86	14,00
GO:0009267	cellular response to starvation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,026896063	0,042899221	0,001872875	0,00326835	[4, 5, 6]	Group121	5,56	9,00
GO:0042149	cellular response to glucose starvation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,025549145	0,041231927	0,001872875	0,00326835	[5, 6, 7]	Group121	9,30	4,00
GO:0070059	intrinsic apoptotic signaling pathway in response to endoplasmic reticulum stress	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,032554209	0,04921703	0,001872875	0,00326835	[5, 6, 7]	Group121	7,35	5,00
GO:0071287	cellular response to manganese ion	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,004184007	0,010319832	0,001872875	0,00326835	[6]	Group121	23,08	3,00
GO:0036003	positive regulation of transcription from RNA polymerase II promoter in response to stress	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,008316356	0,017884837	0,001872875	0,00326835	[6, 7, 8, 9, 10, 11, 12, 13]	Group121	12,90	4,00
GO:0019900	kinase binding	GO_MolecularFunction-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,00272406	0,007600365	0,001970044	0,00337181	[4]	Group075	4,35	34,00
GO:0019901	protein kinase binding	GO_MolecularFunction-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,00820952	0,017734786	0,001970044	0,00337181	[5]	Group075	4,22	29,00
GO:1990782	protein tyrosine kinase binding	GO_MolecularFunction-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,004437468	0,010778317	0,001970044	0,00337181	[6]	Group075	8,08	8,00
GO:0042326	negative regulation of phosphorylation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,001627748	0,005192518	0,001970044	0,00337181	[6, 7, 8]	Group075	5,07	24,00
GO:0051651	maintenance of location in cell	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,00192218	0,005914877	0,002095667	0,00351914	[2, 3, 4]	Group147	6,17	15,00



GO:0019751	polyol metabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,006168251	0,014088344	0,002095667	0,00351914	[4, 5]	Group147	6,67	10,00
GO:0046165	alcohol biosynthetic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,029087059	0,045336019	0,002095667	0,00351914	[4, 5]	Group147	5,24	10,00
GO:0046173	polyol biosynthetic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,00929126	0,019456752	0,002095667	0,00351914	[5, 6]	Group147	7,78	7,00
GO:0051208	sequestering of calcium ion	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000410002	0,001824987	0,002095667	0,00351914	[3, 4, 5, 8, 10]	Group147	8,33	12,00
GO:0071545	inositol phosphate catabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,001606011	0,005140308	0,002095667	0,00351914	[5, 6, 7]	Group147	20,00	4,00
GO:0032959	inositol triphosphate biosynthetic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,026696119	0,042651396	0,002095667	0,00351914	[6, 7, 8]	Group147	12,00	3,00
GO:0060402	calcium ion transport into cytosol	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000377397	0,001703626	0,002095667	0,00351914	[4, 10, 12]	Group147	7,57	14,00
GO:0051209	release of sequestered calcium ion into cytosol	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,0002773	0,001333548	0,002095667	0,00351914	[4, 5, 6, 7, 8, 10, 11, 12, 13, 14]	Group147	8,70	12,00
GO:0048608	reproductive structure development	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,00208441	0,006292682	0,00208441	0,00353357	[3, 4, 5, 6]	Group076	4,98	24,00
GO:0001890	placenta development	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,00194322	0,005960454	0,00208441	0,00353357	[4, 5, 6, 7]	Group076	6,98	12,00
GO:0001892	embryonic placenta development	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,017631847	0,031363714	0,00208441	0,00353357	[3, 4, 5, 6, 7, 8]	Group076	6,86	7,00
GO:0060674	placenta blood vessel development	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,003317585	0,008674669	0,00208441	0,00353357	[3, 4, 5, 6, 7, 8, 9]	Group076	12,82	5,00
GO:0098751	bone cell development	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,014057252	0,026326399	0,002186506	0,00363737	[4, 5, 6, 7]	Group094	11,11	4,00
GO:0002521	leukocyte differentiation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,00341803	0,008912955	0,002186506	0,00363737	[4, 5, 6, 7, 8]	Group094	4,66	26,00
GO:0002573	myeloid leukocyte differentiation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,002206373	0,00653715	0,002186506	0,00363737	[5, 6, 7, 8, 9]	Group094	6,31	14,00
GO:0030316	osteoclast differentiation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,02034726	0,034772012	0,002186506	0,00363737	[6, 7, 8, 9, 10]	Group094	6,67	7,00
GO:0051250	negative regulation of lymphocyte activation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,02252461	0,037685405	0,002327856	0,00380145	[4, 5, 6, 7]	Group105	5,73	9,00
GO:0048041	focal adhesion assembly	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,00302181	0,00814612	0,002327856	0,00380145	[5, 7]	Group105	8,60	8,00
GO:1903038	negative regulation of leukocyte cell-cell adhesion	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,023751667	0,039055575	0,002327856	0,00380145	[5, 6, 7]	Group105	6,02	8,00
GO:0050860	negative regulation of T cell receptor signaling pathway	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,00033793	0,001562316	0,002327856	0,00380145	[4, 5, 6, 7, 8, 9, 10, 11, 12]	Group105	20,83	5,00
GO:0004725	protein tyrosine phosphatase activity	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,032775592	0,049240567	0,002327856	0,00380145	[8, 9]	Group105	6,03	7,00
GO:0003013	circulatory system process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,002791696	0,007699287	0,002315196	0,00381579	[3]	Group146	4,51	30,00
GO:0008015	blood circulation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,00145709	0,004759166	0,002315196	0,00381579	[4]	Group146	4,83	28,00

GO:0008217	regulation of blood pressure	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,019399151	0,033754524	0,002315196	0,00381579	[3, 5]	Group146	5,37	11,00
GO:0098801	regulation of renal system process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,003317585	0,008674669	0,002315196	0,00381579	[4, 5]	Group146	12,82	5,00
GO:0003073	regulation of systemic arterial blood pressure	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,002397156	0,006951752	0,002315196	0,00381579	[4, 6]	Group146	8,18	9,00
GO:0003094	glomerular filtration	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,026696119	0,042651396	0,002315196	0,00381579	[5]	Group146	12,00	3,00
GO:0003093	regulation of glomerular filtration	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,003281716	0,008604389	0,002315196	0,00381579	[5, 6, 7, 9]	Group146	25,00	3,00
GO:0090280	positive regulation of calcium ion import	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,016667997	0,029927343	0,002315196	0,00381579	[5, 6, 7, 8, 9, 10, 11]	Group146	14,29	3,00
GO:0043027	cysteine-type endopeptidase inhibitor activity involved in apoptotic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,032678593	0,04924947	0,002315196	0,00381579	[5, 6, 7, 8, 9, 10, 11, 12, 13]	Group146	11,11	3,00
GO:0046677	response to antibiotic	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,003973101	0,009927566	0,002769187	0,00448105	[3]	Group143	5,16	19,00
GO:0071216	cellular response to biotic stimulus	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,008525003	0,018251516	0,002769187	0,00448105	[3]	Group143	5,41	14,00
GO:0071236	cellular response to antibiotic	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,011685916	0,023058603	0,002769187	0,00448105	[4]	Group143	6,06	10,00
GO:0042542	response to hydrogen peroxide	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,02252461	0,037685405	0,002769187	0,00448105	[4, 5]	Group143	5,73	9,00
GO:0002237	response to molecule of bacterial origin	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,027832035	0,044098109	0,002769187	0,00448105	[4, 6]	Group143	4,37	17,00
GO:0071347	cellular response to interleukin-1	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000117157	0,000700744	0,002769187	0,00448105	[6]	Group143	8,06	15,00
GO:1903556	negative regulation of tumor necrosis factor superfamily cytokine production	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,029100992	0,045283981	0,002769187	0,00448105	[4, 5, 6, 7, 8]	Group143	7,58	5,00
GO:0071222	cellular response to lipopolysaccharide	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,006491162	0,014651042	0,002769187	0,00448105	[5, 6, 8]	Group143	5,78	13,00
GO:0070997	neuron death	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,002958667	0,008043876	0,002958667	0,00470217	[3]	Group050	5,19	20,00
GO:1901214	regulation of neuron death	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,01810614	0,031969696	0,002958667	0,00470217	[4, 5]	Group050	4,69	16,00
GO:0008536	Ran GTPase binding	GO_MolecularFunction-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,002954694	0,008055959	0,002954694	0,00473816	[7]	Group018	13,16	5,00
GO:0007565	female pregnancy	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,002029531	0,006205307	0,003226102	0,00508182	[3, 4]	Group058	6,36	14,00
GO:0007566	embryo implantation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000936067	0,003342597	0,003226102	0,00508182	[2, 3, 4, 5]	Group058	11,67	7,00
GO:0033273	response to vitamin	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,023341313	0,038579684	0,003226102	0,00508182	[4, 6]	Group058	6,48	7,00
GO:0002521	leukocyte differentiation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,00341803	0,008912955	0,00341803	0,00529052	[4, 5, 6, 7, 8]	Group092	4,66	26,00
GO:0030098	lymphocyte differentiation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,005579029	0,013022271	0,00341803	0,00529052	[4, 5, 6, 7, 8, 9]	Group092	5,00	19,00
GO:0030183	B cell differentiation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,029878801	0,04604511	0,00341803	0,00529052	[5, 6, 7, 8, 9, 10]	Group092	5,76	8,00

GO:0002335	mature B cell differentiation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,029607117	0,045996774	0,00341803	0,00529052	[6, 7, 8, 9, 10, 11]	Group092	11,54	3,00
GO:0042578	phosphoric ester hydrolase activity	GO_MolecularFunction-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,01470738	0,026911974	0,003392755	0,00529746	[4]	Group095	4,14	26,00
GO:0035303	regulation of dephosphorylation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,033220664	0,04975301	0,003392755	0,00529746	[6, 7]	Group095	4,93	11,00
GO:0035306	positive regulation of dephosphorylation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,006470072	0,014637965	0,003392755	0,00529746	[6, 7, 8]	Group095	9,38	6,00
GO:0050860	negative regulation of T cell receptor signaling pathway	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,00033793	0,001562316	0,003392755	0,00529746	[4, 5, 6, 7, 8, 9, 10, 11, 12]	Group095	20,83	5,00
GO:0004725	protein tyrosine phosphatase activity	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,032775592	0,049240567	0,003392755	0,00529746	[8, 9]	Group095	6,03	7,00
GO:0015931	nucleobase-containing compound transport	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,032646921	0,04927934	0,004215118	0,00646803	[5]	Group110	4,66	13,00
GO:0015932	nucleobase-containing compound transmembrane transporter activity	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,017647753	0,031333763	0,004215118	0,00646803	[4, 6]	Group110	8,62	5,00
GO:1901505	carbohydrate derivative transmembrane transporter activity	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,021512173	0,036308907	0,004215118	0,00646803	[4, 6]	Group110	8,20	5,00
GO:0006862	nucleotide transport	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,023646265	0,038949184	0,004215118	0,00646803	[6]	Group110	9,52	4,00
GO:0006611	protein export from nucleus	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,030000042	0,046157621	0,004215118	0,00646803	[5, 6, 7, 8, 9]	Group110	5,21	10,00
GO:0006493	protein O-linked glycosylation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,004298435	0,010467182	0,004298435	0,0065395	[5, 7, 8]	Group055	7,50	9,00
GO:0016266	O-glycan processing	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,029100992	0,045283981	0,004298435	0,0065395	[6, 8, 9]	Group055	7,58	5,00
GO:0005976	polysaccharide metabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,00532592	0,012492415	0,004358792	0,00657513	[4]	Group089	7,26	9,00
GO:0006022	aminoglycan metabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,01962244	0,034081079	0,004358792	0,00657513	[4]	Group089	5,59	10,00
GO:0000271	polysaccharide biosynthetic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,007299894	0,016133945	0,004358792	0,00657513	[5]	Group089	8,14	7,00
GO:0030212	hyaluronan metabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,005625159	0,013066206	0,004358792	0,00657513	[6, 7]	Group089	11,36	5,00
GO:0062012	regulation of small molecule metabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,027698154	0,043958761	0,004643952	0,00694642	[3, 4]	Group155	4,18	20,00
GO:0055086	nucleobase-containing small molecule metabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,003933324	0,009853902	0,004643952	0,00694642	[3, 4, 5]	Group155	4,41	30,00
GO:0062013	positive regulation of small molecule metabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,008775524	0,018580036	0,004643952	0,00694642	[3, 4, 5]	Group155	6,33	10,00
GO:0006109	regulation of carbohydrate metabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,006973192	0,015555582	0,004643952	0,00694642	[4, 5]	Group155	5,73	13,00
GO:0006140	regulation of nucleotide metabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,023751667	0,039055575	0,004643952	0,00694642	[4, 5, 6, 7, 8]	Group155	6,02	8,00
GO:0009117	nucleotide metabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,022016035	0,036963765	0,004643952	0,00694642	[5, 6, 7]	Group155	4,07	24,00

GO:0045980	negative regulation of nucleotide metabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,021358484	0,036113199	0,004643952	0,00694642	[4, 5, 6, 7, 8, 9]	Group155	13,04	3,00
GO:0009167	purine ribonucleoside monophosphate metabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,020105848	0,034731582	0,004643952	0,00694642	[7, 8, 9]	Group155	10,00	4,00
GO:0009179	purine ribonucleoside diphosphate metabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,007714132	0,01689342	0,004643952	0,00694642	[7, 8, 9]	Group155	6,45	10,00
GO:2001169	regulation of ATP biosynthetic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,014564467	0,026855865	0,004643952	0,00694642	[4, 5, 7, 8, 9, 10, 11, 12]	Group155	15,00	3,00
GO:0045992	negative regulation of embryonic development	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,032678593	0,04924947	0,004808458	0,00713255	[3, 4, 5, 6]	Group096	11,11	3,00
GO:0007219	Notch signaling pathway	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,002203569	0,006549115	0,004808458	0,00713255	[4, 5, 6]	Group096	6,57	13,00
GO:0008593	regulation of Notch signaling pathway	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,007866058	0,017108677	0,004808458	0,00713255	[4, 5, 6, 7]	Group096	7,34	8,00
GO:0045746	negative regulation of Notch signaling pathway	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,004597845	0,011111458	0,004808458	0,00713255	[4, 5, 6, 7, 8]	Group096	11,90	5,00
GO:0048708	astrocyte differentiation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,027841724	0,043967873	0,004808458	0,00713255	[5, 6, 7, 8, 9]	Group096	6,82	6,00
GO:0006022	aminoglycan metabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,01962244	0,034081079	0,005321251	0,00776379	[4]	Group093	5,59	10,00
GO:0032885	regulation of polysaccharide biosynthetic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,023646265	0,038949184	0,005321251	0,00776379	[5, 6, 7]	Group093	9,52	4,00
GO:1904707	positive regulation of vascular smooth muscle cell proliferation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,015443421	0,028044315	0,005321251	0,00776379	[5, 6, 7]	Group093	10,81	4,00
GO:0030212	hyaluronan metabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,005625159	0,013066206	0,005321251	0,00776379	[6, 7]	Group093	11,36	5,00
GO:0050764	regulation of phagocytosis	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,005313152	0,012523859	0,005313152	0,00781604	[4, 5, 6]	Group021	7,84	8,00
GO:0050918	positive chemotaxis	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,005643533	0,013077145	0,005643533	0,0081012	[4, 5]	Group023	8,54	7,00
GO:0048592	eye morphogenesis	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,027837381	0,044033676	0,005636813	0,00815734	[5, 6, 7, 8]	Group103	5,52	9,00
GO:0002088	lens development in camera-type eye	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,009845688	0,020263061	0,005636813	0,00815734	[3, 7, 8, 9]	Group103	7,69	7,00
GO:0002089	lens morphogenesis in camera-type eye	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,018932438	0,03306267	0,005636813	0,00815734	[3, 4, 7, 8, 9, 10]	Group103	13,64	3,00
GO:0055024	regulation of cardiac muscle tissue development	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,008760029	0,018588355	0,005636813	0,00815734	[5, 6, 7, 8, 9]	Group103	7,87	7,00
GO:0070306	lens fiber cell differentiation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,015443421	0,028044315	0,005636813	0,00815734	[4, 5, 6, 8, 9, 10]	Group103	10,81	4,00
GO:2000249	regulation of actin cytoskeleton reorganization	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,006195141	0,01411607	0,006195141	0,00882188	[5, 6, 7, 8]	Group035	11,11	5,00
GO:0010661	positive regulation of muscle cell apoptotic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,00654021	0,014727013	0,00654021	0,00923934	[6, 7, 8]	Group038	13,79	4,00
GO:0035019	somatic stem cell population maintenance	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,020465165	0,034911167	0,006930633	0,0097138	[3, 4]	Group088	7,32	6,00

GO:0006140	regulation of nucleotide metabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,023751667	0,039055575	0,006930633	0,0097138	[4, 5, 6, 7, 8]	Group088	6,02	8,00
GO:0009179	purine ribonucleoside diphosphate metabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,007714132	0,01689342	0,006930633	0,0097138	[7, 8, 9]	Group088	6,45	10,00
GO:2001169	regulation of ATP biosynthetic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,014564467	0,026855865	0,006930633	0,0097138	[4, 5, 7, 8, 9, 10, 11, 12]	Group088	15,00	3,00
GO:0001501	skeletal system development	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,007357109	0,016222933	0,007357109	0,01023098	[4, 5]	Group037	4,44	25,00
GO:0051817	modulation of process of other organism involved in symbiotic interaction	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,007866058	0,017108677	0,007866058	0,01085394	[3]	Group044	7,34	8,00
GO:0044794	positive regulation by host of viral process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,010835065	0,021783942	0,007866058	0,01085394	[3, 4, 5, 6]	Group044	16,67	3,00
GO:0048863	stem cell differentiation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,014694748	0,02694037	0,008115702	0,01111227	[4]	Group045	5,05	14,00
GO:0060485	mesenchyme development	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,022654012	0,037835758	0,008115702	0,01111227	[4, 5, 6]	Group045	4,78	14,00
GO:0007569	cell aging	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,032775592	0,049240567	0,008240161	0,01119655	[3]	Group087	6,03	7,00
GO:2000772	regulation of cellular senescence	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,005625159	0,013066206	0,008240161	0,01119655	[4, 5, 6]	Group087	11,36	5,00
GO:2000773	negative regulation of cellular senescence	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,012620698	0,024499003	0,008240161	0,01119655	[3, 4, 5, 6, 7]	Group087	15,79	3,00
GO:0071479	cellular response to ionizing radiation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,020465165	0,034911167	0,008240161	0,01119655	[5, 6]	Group087	7,32	6,00
GO:0071218	cellular response to misfolded protein	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,018932438	0,03306267	0,008316356	0,01121448	[5, 6]	Group047	13,64	3,00
GO:0006515	protein quality control for misfolded or incompletely synthesized proteins	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,005755048	0,013271279	0,008316356	0,01121448	[6, 7, 8]	Group047	14,29	4,00
GO:0046620	regulation of organ growth	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,024403341	0,039853238	0,008570778	0,01138506	[3, 4, 5]	Group086	6,42	7,00
GO:0003170	heart valve development	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,029100992	0,045283981	0,008570778	0,01138506	[3, 5, 6, 7]	Group086	7,58	5,00
GO:0055024	regulation of cardiac muscle tissue development	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,008760029	0,018588355	0,008570778	0,01138506	[5, 6, 7, 8, 9]	Group086	7,87	7,00
GO:2000725	regulation of cardiac muscle cell differentiation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,020105848	0,034731582	0,008570778	0,01138506	[5, 6, 7, 8, 9, 10]	Group086	10,00	4,00
GO:0071496	cellular response to external stimulus	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,008531612	0,018224895	0,008531612	0,01141825	[3]	Group077	4,89	18,00
GO:0031668	cellular response to extracellular stimulus	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,019883081	0,034471214	0,008531612	0,01141825	[3, 4]	Group077	4,86	14,00
GO:0009267	cellular response to starvation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,026896063	0,042899221	0,008531612	0,01141825	[4, 5, 6]	Group077	5,56	9,00
GO:0042149	cellular response to glucose starvation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,025549145	0,041231927	0,008531612	0,01141825	[5, 6, 7]	Group077	9,30	4,00
GO:0048145	regulation of fibroblast proliferation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,008760029	0,018588355	0,008760029	0,01155026	[4, 5]	Group017	7,87	7,00

GO:0120193	tight junction organization	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,00929126	0,019456752	0,00929126	0,01198438	[6]	Group049	7,78	7,00
GO:0070830	bicellular tight junction assembly	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,022756126	0,037940092	0,00929126	0,01198438	[8]	Group049	7,14	6,00
GO:0030856	regulation of epithelial cell differentiation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,02252461	0,037685405	0,009262776	0,01203485	[4, 5, 6]	Group073	5,73	9,00
GO:0030858	positive regulation of epithelial cell differentiation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,025888894	0,041569918	0,009262776	0,01203485	[4, 5, 6, 7]	Group073	7,81	5,00
GO:2000352	negative regulation of endothelial cell apoptotic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,008316356	0,017884837	0,009262776	0,01203485	[7, 8, 9]	Group073	12,90	4,00
GO:0051782	negative regulation of cell division	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,009205425	0,019319279	0,009205425	0,01204828	[3, 4, 5]	Group027	17,65	3,00
GO:0019211	phosphatase activator activity	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,009205425	0,019319279	0,009205425	0,01204828	[6, 8]	Group040	17,65	3,00
GO:0019751	polyol metabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,006168251	0,014088344	0,009676366	0,01239132	[4, 5]	Group098	6,67	10,00
GO:0046165	alcohol biosynthetic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,029087059	0,045336019	0,009676366	0,01239132	[4, 5]	Group098	5,24	10,00
GO:0046173	polyol biosynthetic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,00929126	0,019456752	0,009676366	0,01239132	[5, 6]	Group098	7,78	7,00
GO:0004435	phosphatidylinositol phospholipase C activity	GO_MolecularFunction-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,032678593	0,04924947	0,009676366	0,01239132	[7]	Group098	11,11	3,00
GO:0032959	inositol trisphosphate biosynthetic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,026696119	0,042651396	0,009676366	0,01239132	[6, 7, 8]	Group098	12,00	3,00
GO:1905114	cell surface receptor signaling pathway involved in cell-cell signaling	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,010511293	0,021222169	0,010511293	0,01336436	[3, 4, 5, 6]	Group139	4,10	30,00
GO:0016055	Wnt signaling pathway	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,002622226	0,007380795	0,010511293	0,01336436	[4, 5, 6, 7]	Group139	4,75	26,00
GO:0030111	regulation of Wnt signaling pathway	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,007104552	0,015738556	0,010511293	0,01336436	[4, 5, 6, 7, 8]	Group139	4,88	19,00
GO:0030177	positive regulation of Wnt signaling pathway	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000124381	0,000734769	0,010511293	0,01336436	[4, 5, 6, 7, 8, 9]	Group139	8,02	15,00
GO:0060070	canonical Wnt signaling pathway	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,022989346	0,038195841	0,010511293	0,01336436	[5, 6, 7, 8]	Group139	4,56	16,00
GO:0060828	regulation of canonical Wnt signaling pathway	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,013665481	0,025896763	0,010511293	0,01336436	[5, 6, 7, 8, 9]	Group139	4,97	15,00
GO:0090263	positive regulation of canonical Wnt signaling pathway	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000592761	0,002373526	0,010511293	0,01336436	[5, 6, 7, 8, 9, 10]	Group139	8,00	12,00
GO:1903209	positive regulation of oxidative stress-induced cell death	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,010835065	0,021783942	0,010835065	0,01367831	[4, 5, 6, 7, 8]	Group034	16,67	3,00
GO:0071850	mitotic cell cycle arrest	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,016667997	0,029927343	0,011528101	0,01445072	[4, 5, 6, 7]	Group048	14,29	3,00
GO:0007096	regulation of exit from mitosis	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,012620698	0,024499003	0,011528101	0,01445072	[5, 6, 7, 8, 9]	Group048	15,79	3,00
GO:0045927	positive regulation of growth	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,01690525	0,030296486	0,011754811	0,01463186	[2, 3, 4]	Group128	4,96	14,00

GO:0035019	somatic stem cell population maintenance	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,020465165	0,034911167	0,011754811	0,01463186	[3, 4]	Group128	7,32	6,00
GO:0046620	regulation of organ growth	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,024403341	0,039853238	0,011754811	0,01463186	[3, 4, 5]	Group128	6,42	7,00
GO:0055024	regulation of cardiac muscle tissue development	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,008760029	0,018588355	0,011754811	0,01463186	[5, 6, 7, 8, 9]	Group128	7,87	7,00
GO:0060487	lung epithelial cell differentiation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,018932438	0,03306267	0,011754811	0,01463186	[5, 6, 7, 8, 9]	Group128	13,64	3,00
GO:0060043	regulation of cardiac muscle cell proliferation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,031797417	0,04830179	0,011754811	0,01463186	[4, 5, 6, 7, 8, 9, 10, 11]	Group128	8,70	4,00
GO:0035019	somatic stem cell population maintenance	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,020465165	0,034911167	0,012154936	0,01502485	[3, 4]	Group083	7,32	6,00
GO:0060487	lung epithelial cell differentiation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,018932438	0,03306267	0,012154936	0,01502485	[5, 6, 7, 8, 9]	Group083	13,64	3,00
GO:0060043	regulation of cardiac muscle cell proliferation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,031797417	0,04830179	0,012154936	0,01502485	[4, 5, 6, 7, 8, 9, 10, 11]	Group083	8,70	4,00
GO:0036003	positive regulation of transcription from RNA polymerase II promoter in response to stress	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,008316356	0,017884837	0,012154936	0,01502485	[6, 7, 8, 9, 10, 11, 12, 13]	Group083	12,90	4,00
GO:0071214	cellular response to abiotic stimulus	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,011601744	0,022987306	0,012251197	0,0150394	[3, 4]	Group085	4,74	18,00
GO:0010212	response to ionizing radiation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,029789085	0,045980893	0,012251197	0,0150394	[4]	Group085	5,45	9,00
GO:2000773	negative regulation of cellular senescence	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,012620698	0,024499003	0,012251197	0,0150394	[3, 4, 5, 6, 7]	Group085	15,79	3,00
GO:0071479	cellular response to ionizing radiation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,020465165	0,034911167	0,012251197	0,0150394	[5, 6]	Group085	7,32	6,00
GO:0008544	epidermis development	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,012401821	0,024271049	0,012401821	0,01512003	[4]	Group020	4,41	22,00
GO:0034501	protein localization to kinetochore	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,012620698	0,024499003	0,012620698	0,01528221	[8]	Group004	15,79	3,00
GO:0009415	response to water	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,012620698	0,024499003	0,012620698	0,01528221	[3, 4]	Group028	15,79	3,00
GO:0050873	brown fat cell differentiation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,013251976	0,025466148	0,013251976	0,01593819	[5]	Group022	9,26	5,00
GO:0019956	chemokine binding	GO_MolecularFunction-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,014057252	0,026326399	0,014057252	0,01646178	[4]	Group041	11,11	4,00
GO:0043276	anoikis	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,014057252	0,026326399	0,014057252	0,01646178	[5]	Group054	11,11	4,00
GO:2000209	regulation of anoikis	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,029607117	0,045996774	0,014057252	0,01646178	[6, 7]	Group054	11,54	3,00
GO:0008191	metalloendopeptidase inhibitor activity	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,009205425	0,019319279	0,013796489	0,01648171	[8, 9, 10, 11, 12]	Group069	17,65	3,00
GO:0008237	metallopeptidase activity	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,013796489	0,026041893	0,013796489	0,01648171	[7, 8]	Group069	5,43	12,00
GO:1905048	regulation of metallopeptidase activity	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,001606011	0,005140308	0,013796489	0,01648171	[6, 7, 8, 9]	Group069	20,00	4,00

GO:0030258	lipid modification	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,027085837	0,043130025	0,014310171	0,01654033	[4, 5]	Group081	4,56	15,00
GO:0046834	lipid phosphorylation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,005052869	0,011969296	0,014310171	0,01654033	[5, 6]	Group081	7,32	9,00
GO:1904707	positive regulation of vascular smooth muscle cell proliferation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,015443421	0,028044315	0,014310171	0,01654033	[5, 6, 7]	Group081	10,81	4,00
GO:0043550	regulation of lipid kinase activity	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,030797191	0,047081329	0,014310171	0,01654033	[5, 6, 7, 8, 9]	Group081	7,46	5,00
GO:0016051	carbohydrate biosynthetic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,029786352	0,046050951	0,013954064	0,01655882	[4]	Group061	4,86	12,00
GO:0043271	negative regulation of ion transport	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,011685916	0,023058603	0,013954064	0,01655882	[3, 4, 5, 6]	Group061	6,06	10,00
GO:0044070	regulation of anion transport	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,032775592	0,049240567	0,013954064	0,01655882	[5, 6]	Group061	6,03	7,00
GO:0034248	regulation of cellular amide metabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000700788	0,00270425	0,014053418	0,01656628	[4, 5]	Group111	5,22	26,00
GO:0043043	peptide biosynthetic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,013397908	0,025694987	0,014053418	0,01656628	[5, 6]	Group111	4,06	29,00
GO:0006417	regulation of translation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,000423629	0,001851203	0,014053418	0,01656628	[5, 6, 7, 8]	Group111	5,59	24,00
GO:0017148	negative regulation of translation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,012469945	0,024354564	0,014053418	0,01656628	[5, 6, 7, 8, 9]	Group111	6,34	9,00
GO:0035278	miRNA mediated inhibition of translation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,005222608	0,012340829	0,014053418	0,01656628	[6, 7, 8, 9, 10, 11]	Group111	21,43	3,00
GO:0031099	regeneration	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,014252392	0,026433215	0,014252392	0,01658121	[3]	Group000	5,41	12,00
GO:0044346	fibroblast apoptotic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,014564467	0,026855865	0,014564467	0,01672565	[5]	Group010	15,00	3,00
GO:0045655	regulation of monocyte differentiation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,014564467	0,026855865	0,014564467	0,01672565	[6, 7, 8, 9, 10, 11]	Group011	15,00	3,00
GO:1904872	regulation of telomerase RNA localization to Cajal body	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,012620698	0,024499003	0,014564467	0,01672565	[3, 4, 6, 7]	Group053	15,79	3,00
GO:0090671	telomerase RNA localization to Cajal body	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,014564467	0,026855865	0,014564467	0,01672565	[5, 6]	Group053	15,00	3,00
GO:0038061	NIK/NF-kappaB signaling	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,015273142	0,027787827	0,015273142	0,01742705	[4, 5, 6]	Group051	5,81	10,00
GO:1901222	regulation of NIK/NF-kappaB signaling	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,025498083	0,04121903	0,015273142	0,01742705	[5, 6, 7]	Group051	6,36	7,00
GO:0042698	ovulation cycle	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,016363574	0,029491413	0,016363574	0,01855233	[2, 3, 4]	Group006	7,69	6,00
GO:0005080	protein kinase C binding	GO_MolecularFunction-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,016469596	0,029626697	0,016469596	0,01855435	[6]	Group036	8,77	5,00
GO:0034162	toll-like receptor 9 signaling pathway	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,026696119	0,042651396	0,016469596	0,01855435	[5, 6, 7]	Group046	12,00	3,00
GO:0070423	nucleotide-binding oligomerization domain containing signaling pathway	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,014057252	0,026326399	0,016469596	0,01855435	[5, 6, 7]	Group046	11,11	4,00



GO:0071243	cellular response to arsenic-containing substance	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,016667997	0,029927343	0,016667997	0,01865977	[4]	Group029	14,29	3,00
GO:0071349	cellular response to interleukin-12	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,017647753	0,031333763	0,017647753	0,01963312	[6]	Group030	8,62	5,00
GO:0043243	positive regulation of protein-containing complex disassembly	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,018466409	0,032485943	0,018466409	0,02041628	[4, 5, 6, 7]	Group007	10,26	4,00
GO:0030258	lipid modification	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,027085837	0,043130025	0,018857107	0,02071954	[4, 5]	Group104	4,56	15,00
GO:0071545	inositol phosphate catabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,001606011	0,005140308	0,018857107	0,02071954	[5, 6, 7]	Group104	20,00	4,00
GO:0046488	phosphatidylinositol metabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,017771911	0,031437557	0,018857107	0,02071954	[6, 7]	Group104	5,24	12,00
GO:0046856	phosphatidylinositol dephosphorylation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,007393209	0,016265061	0,018857107	0,02071954	[6, 7, 8]	Group104	13,33	4,00
GO:0052866	phosphatidylinositol phosphate phosphatase activity	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,012752683	0,024655186	0,018857107	0,02071954	[7]	Group104	11,43	4,00
GO:0030545	receptor regulator activity	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,020130254	0,034648661	0,020130254	0,02184869	[4]	Group056	4,11	24,00
GO:0030546	signaling receptor activator activity	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,026597006	0,042564105	0,020130254	0,02184869	[5]	Group056	4,09	22,00
GO:0048015	phosphatidylinositol-mediated signaling	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,020030504	0,034664001	0,020030504	0,0218738	[5, 6, 7]	Group016	5,34	11,00
GO:0048012	hepatocyte growth factor receptor signaling pathway	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,021358484	0,036113199	0,021358484	0,02304127	[6, 7, 8]	Group015	13,04	3,00
GO:0046777	protein autophosphorylation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,021527739	0,036271207	0,021527739	0,02308396	[7, 8]	Group014	4,94	13,00
GO:0032799	low-density lipoprotein receptor particle metabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,023946417	0,03924096	0,023946417	0,02552373	[5, 6]	Group002	12,50	3,00
GO:0009226	nucleotide-sugar biosynthetic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,023946417	0,03924096	0,023946417	0,02552373	[5, 6, 7]	Group025	12,50	3,00
GO:0072574	hepatocyte proliferation	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,023946417	0,03924096	0,023946417	0,02552373	[5, 7, 8, 9, 10]	Group031	12,50	3,00
GO:0046324	regulation of glucose import	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,024371797	0,039869763	0,024371797	0,0258225	[5, 6, 7, 8, 10, 11]	Group013	7,94	5,00
GO:0051058	negative regulation of small GTPase mediated signal transduction	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,024371797	0,039869763	0,024371797	0,0258225	[5, 6, 7, 8]	Group024	7,94	5,00
GO:0016579	protein deubiquitination	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,025704479	0,041412771	0,025704479	0,02707336	[6, 7, 8, 9]	Group063	4,70	14,00
GO:0071108	protein K48-linked deubiquitination	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,003317585	0,008674669	0,025704479	0,02707336	[7, 8, 9, 10]	Group063	12,82	5,00
GO:0061578	Lys63-specific deubiquitinase activity	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,006402782	0,014520053	0,025704479	0,02707336	[8, 9, 10, 11]	Group063	20,00	3,00
GO:0098631	cell adhesion mediator activity	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,025888894	0,041569918	0,025888894	0,02710719	[3]	Group032	7,81	5,00
GO:1900034	regulation of cellular response to heat	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,026506023	0,042489555	0,026506023	0,02759106	[4, 5, 6]	Group033	6,90	6,00

GO:0032469	endoplasmic reticulum calcium ion homeostasis	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,026696119	0,042651396	0,026696119	0,02762738	[8, 10]	Group001	12,00	3,00
GO:0032967	positive regulation of collagen biosynthetic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,026696119	0,042651396	0,026696119	0,02762738	[4, 5, 6]	Group003	12,00	3,00
GO:0048305	immunoglobulin secretion	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,026696119	0,042651396	0,026696119	0,02762738	[4, 5, 6, 7, 8, 9]	Group019	12,00	3,00
GO:0016780	phosphotransferase activity, for other substituted phosphate groups	GO_MolecularFunction-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,026696119	0,042651396	0,026696119	0,02762738	[4]	Group039	12,00	3,00
GO:0045807	positive regulation of endocytosis	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,028982626	0,045320872	0,028982626	0,02982027	[3, 4, 5, 6, 7]	Group012	6,19	7,00
GO:0002029	desensitization of G protein-coupled receptor signaling pathway	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,029607117	0,045996774	0,029607117	0,03028774	[5, 6, 7, 8]	Group008	11,54	3,00
GO:0007617	mating behavior	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,029607117	0,045996774	0,029607117	0,03028774	[3, 4, 5, 6]	Group009	11,54	3,00
GO:0007040	lysosome organization	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,030797191	0,047081329	0,030797191	0,03114716	[7]	Group043	7,46	5,00
GO:0051453	regulation of intracellular pH	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,030644687	0,046923146	0,030644687	0,03117002	[8, 10]	Group026	6,67	6,00
GO:0035270	endocrine system development	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,032142218	0,048748184	0,032142218	0,03232381	[4, 5]	Group005	5,67	8,00
GO:0072527	pyrimidine-containing compound metabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,023341313	0,038579684	0,034110095	0,0341101	[4]	Group108	6,48	7,00
GO:0072528	pyrimidine-containing compound biosynthetic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,02291313	0,038135417	0,034110095	0,0341101	[5]	Group108	8,06	5,00
GO:0006220	pyrimidine nucleotide metabolic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,030797191	0,047081329	0,034110095	0,0341101	[5, 6, 7, 8]	Group108	7,46	5,00
GO:0003841	1-acylglycerol-3-phosphate O-acyltransferase activity	GO_MolecularFunction-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,007729088	0,016887529	0,034110095	0,0341101	[7]	Group108	18,75	3,00
GO:0016024	CDP-diacylglycerol biosynthetic process	GO_BiologicalProcess-EBI-UniProt-GOA-ACAP-ARAP_08.05.2020_00h00	0,005222608	0,012340829	0,034110095	0,0341101	[6, 7, 8, 9, 10]	Group108	21,43	3,00