ID	Description	GeneRatio	BgRatio	pvalue	p.adjust	qvalue	geneID	Count
GO:0008544	epidermis development	33/397	464/18670	1.49E-09	5.54E-06	5.05E-06	FA2H/ELF3/IRF6/PKP3/PRSS8/C	33
GO:0043588	skin development	29/397	419/18670	2.77E-08	5.15E-05	4.70E-05	FA2H/IRF6/PKP3/PRSS8/OVOL2	29
GO:0007586	digestion	16/397	139/18670	4.52E-08	5.59E-05	5.10E-05	PLS1/TFF1/CAPN9/VSIG1/KCNN	16
GO:0022600	digestive system process	13/397	100/18670	1.99E-07	0.000185	0.000169	PLS1/TFF1/VSIG1/KCNN4/MUC	13
GO:0048732	gland development	27/397	434/18670	7.05E-07	0.000524	0.000478	SOX3/FA2H/ELF3/IRF6/ESRP2/S	27
GO:0048565	digestive tract development	14/397	134/18670	1.04E-06	0.000643	0.000587	PTK6/KLF5/AGR2/OVOL2/SHH/	l 14
GO:0042634	regulation of hair cycle	7/397	28/18670	1.50E-06	0.000797	0.000727	FA2H/EPS8L3/FERMT1/SPINK5/	7
GO:0006805	xenobiotic metabolic process	13/397	125/18670	2.66E-06	0.001201	0.001096	AOC1/HNF4A/CYP3A5/CYP2C18	13
GO:0055123	digestive system development	14/397	146/18670	2.91E-06	0.001201	0.001096	PTK6/KLF5/AGR2/OVOL2/SHH/	l 14
GO:0032530	regulation of microvillus organization	5/397	13/18670	4.74E-06	0.001601	0.001461	PLS1/KLF5/CDHR5/USH1C/CDH	5
GO:0032536	regulation of cell projection size	5/397	13/18670	4.74E-06	0.001601	0.001461	PLS1/CDHR5/USH1C/CDHR2/Xk	5
GO:0002064	epithelial cell development	16/397	207/18670	9.62E-06	0.002761	0.00252	RAB25/KLF5/GRHL2/VSIG1/IHH	16
GO:0006721	terpenoid metabolic process	12/397	120/18670	9.66E-06	0.002761	0.00252	SDR16C5/SDC1/BCO1/CYP3A5/	12
GO:0048706	embryonic skeletal system development	12/397	126/18670	1.59E-05	0.004224	0.003855	GRHL2/SHH/IHH/IRX5/TBX15/H	12
GO:0048754	branching morphogenesis of an epithelial tube	13/397	150/18670	1.97E-05	0.004877	0.004451	ESRP2/SHH/IHH/EPHA2/MET/F	13
GO:0042303	molting cycle	11/397	112/18670	2.69E-05	0.005869	0.005357	FA2H/EPS8L3/SHH/FERMT1/SP	11
GO:0042633	hair cycle	11/397	112/18670	2.69E-05	0.005869	0.005357	FA2H/EPS8L3/SHH/FERMT1/SP	11
GO:0009913	epidermal cell differentiation	21/397	358/18670	2.95E-05	0.005978	0.005456	FA2H/IRF6/PKP3/PRSS8/OVOL2	21
GO:0043616	keratinocyte proliferation	7/397	43/18670	3.10E-05	0.005978	0.005456	IRF6/SDR16C5/OVOL2/FERMT1	, 7
GO:0071466	cellular response to xenobiotic stimulus	14/397	180/18670	3.22E-05	0.005978	0.005456	AOC1/HNF4A/CYP3A5/CYP2C18	14
GO:0061138	morphogenesis of a branching epithelium	14/397	182/18670	3.64E-05	0.006433	0.005872	ESRP2/GRHL2/SHH/IHH/EPHA2	14
GO:0031016	pancreas development	9/397	78/18670	4.05E-05	0.006584	0.006009	SHH/IHH/HNF4A/MET/HNF1A/I	9
GO:0042445	hormone metabolic process	16/397	233/18670	4.14E-05	0.006584	0.006009	SDR16C5/SHH/IYD/BCO1/CYP3	16
GO:0006720	isoprenoid metabolic process	12/397	139/18670	4.25E-05	0.006584	0.006009	SDR16C5/SDC1/BCO1/CYP3A5/	12
GO:0051797	regulation of hair follicle development	5/397	20/18670	5.05E-05	0.007497	0.006842	FERMT1/SPINK5/DKK4/MSX2/T	5
GO:0038127	ERBB signaling pathway	12/397	142/18670	5.25E-05	0.007497	0.006842	PTK6/CBLC/ERBB3/AGR2/GRB7	, 12
GO:0030277	maintenance of gastrointestinal epithelium	5/397	21/18670	6.51E-05	0.008961	0.008179	TFF1/VSIG1/MUC13/TFF2/MUC	5
GO:0003382	epithelial cell morphogenesis	6/397	34/18670	7.23E-05	0.009543	0.008709	RAB25/GRHL2/VSIG1/IHH/MET	6
GO:0001523	retinoid metabolic process	10/397	104/18670	7.45E-05	0.009543	0.008709	SDR16C5/SDC1/BCO1/CYP3A5/	10
GO:0001763	morphogenesis of a branching structure	14/397	196/18670	8.15E-05	0.009854	0.008994	ESRP2/GRHL2/SHH/IHH/EPHA2	14
GO:0030324	lung development	13/397	172/18670	8.22E-05	0.009854	0.008994	ESRP2/AGR2/GRHL2/SHH/SPDE	13
GO:0060541	respiratory system development	14/397	198/18670	9.09E-05	0.010549	0.009628	ESRP2/AGR2/GRHL2/SHH/SPDE	14

G	O·0034754	cellular hormone metabolic process	11/397	129/18670	9 87F-05	0.011004	0.010043 SDR16C5/SHH/BCO1/CYP3A5/C	11
		keratinocyte differentiation	18/397	305/18670		0.011004	0.010043 IRF6/PKP3/PRSS8/OVOL2/GRHL	18
		respiratory tube development	13/397	176/18670		0.011004	0.01006 ESRP2/AGR2/GRHL2/SHH/SPDE	13
		diterpenoid metabolic process	10/397	110/18670	0.000104	0.012205	0.011139 SDR16C5/SDC1/BCO1/CYP3A5/	10
		tissue homeostasis	15/397	229/18670	0.00012	0.012205	0.011139 ZG16B/TFF1/VSIG1/IHH/USH1C	15
		microvillus organization	5/397	24/18670	0.000122	0.012619	0.011517 PLS1/KLF5/CDHR5/USH1C/CDHI	5
		embryonic organ development	22/397	428/18670	0.000125	0.012902	0.011775 OVOL2/GRHL2/SHH/EFNA1/PLC	22
		cornification	10/397	112/18670	0.000133	0.012909	0.011781 PKP3/PRSS8/KRT18/PERP/SPINI	10
		embryonic organ morphogenesis	17/397	288/18670		0.013935	0.012718 OVOL2/GRHL2/SHH/EFNA1/IHH	17
		embryonic skeletal system morphogenesis	9/397	93/18670	0.000162	0.013935	0.012718 GRHL2/IRX5/TBX15/TFAP2A/HC	9
		regulation of ERBB signaling pathway	9/397	93/18670		0.013935	0.012718 PTK6/CBLC/AGR2/GPRC5A/PTPI	9
		epithelial cell proliferation	22/397	434/18670	0.000165	0.013935	0.012718 IRF6/ESRP2/SDR16C5/MARVELI	22
		positive regulation of protein localization to p	•	56/18670	0.000176	0.014247	0.013002 PLS1/ARHGEF16/AGR2/EPHA2/	7
		protein localization to cell periphery	18/397	319/18670	0.000176	0.014247	0.013002 PLS1/PKP3/ARHGEF16/AGR2/CI	18
		epidermal growth factor receptor signaling pa	•	119/18670	0.000229	0.018113	0.016531 PTK6/CBLC/AGR2/GRB7/GPRC5	10
		gland morphogenesis	10/397	120/18670	0.000245	0.018988	0.01733 ELF3/ESRP2/SERPINB5/SHH/EPI	10
	O:1905477	positive regulation of protein localization to r	•	122/18670	0.000281	0.021274	0.019416 PLS1/ARHGEF16/AGR2/EPHA2/	10
		protein autoprocessing	4/397	16/18670	0.000299	0.022047	0.020122 MYRF/TMPRSS2/CTSE/F12	4
		O-glycan processing	7/397	61/18670	0.000303	0.022047	0.020122 B3GNT3/MUC1/GALNT5/MUC1	7
		epithelial structure maintenance	5/397	29/18670	0.00033	0.023609	0.021547 TFF1/VSIG1/MUC13/TFF2/MUC	5
		positive regulation of protein localization to c	-	63/18670	0.00037	0.025945	0.023679 PLS1/ARHGEF16/AGR2/EPHA2/	7
		antibacterial humoral response	6/397	46/18670	0.000406	0.027945	0.025504 SLPI/SPINK5/H2BC11/DMBT1/H	6
	O:0072659	protein localization to plasma membrane	15/397	260/18670	0.000477	0.031181	0.028458 PLS1/PKP3/ARHGEF16/AGR2/CI	15
		negative regulation of epidermis developmen	•	18/18670	0.000486	0.031181	0.028458 GRHL2/FERMT1/DKK4/MSX2	4
		hair follicle development	8/397	86/18670	0.000487		0.028458 SHH/FERMT1/SPINK5/DKK4/SO	8
G	O:0042058	regulation of epidermal growth factor receptor	o 8/397	86/18670	0.000487	0.031181	0.028458 PTK6/CBLC/AGR2/GPRC5A/PTPI	8
		retinoic acid metabolic process	5/397	32/18670	0.000532	0.031872	0.029088 CYP3A5/CYP2C18/CYP3A4/UGT	5
G	O:0061572	actin filament bundle organization	11/397	157/18670	0.000547	0.031872	0.029088 BAIAP2L1/PLS1/BAIAP2L2/MET,	11
G	O:0022404	molting cycle process	8/397	88/18670	0.000568		0.029088 SHH/FERMT1/SPINK5/DKK4/SO	8
		hair cycle process	8/397	88/18670	0.000568	0.031872	0.029088 SHH/FERMT1/SPINK5/DKK4/SO	8
		regulation of protein tyrosine kinase activity	8/397	88/18670	0.000568	0.031872		8
		skin epidermis development	8/397	88/18670	0.000568	0.031872	0.029088 SHH/FERMT1/SPINK5/DKK4/SO	8
		epithelial tube morphogenesis	17/397	322/18670	0.000569	0.031872	0.029088 ESRP2/OVOL2/GRHL2/SHH/IHH	17
		-						

GO:0035094	response to nicotine	6/397	49/18670	0.000575	0.031872	0.029088 KCNK1/CHRNA5/SLC7A11/TNF/	6
GO:0048546	digestive tract morphogenesis	6/397	49/18670	0.000575	0.031872	0.029088 AGR2/OVOL2/SHH/IHH/EPHB3/	6
GO:0035115	embryonic forelimb morphogenesis	5/397	33/18670	0.000616	0.033651	0.030711 SHH/MSX2/TFAP2A/HOXA11/CI	5
GO:0048705	skeletal system morphogenesis	14/397	239/18670	0.000629	0.033844	0.030888 GRHL2/IHH/IRX5/RFLNA/TBX15	14
GO:0060425	lung morphogenesis	6/397	50/18670	0.000642	0.034053	0.031079 ESRP2/GRHL2/SHH/FOXA1/ID1/	6
GO:0048871	multicellular organismal homeostasis	22/397	486/18670	0.000771	0.040323	0.036801 FA2H/ZG16B/TFF1/CLDN4/VSIG	22
GO:1904375	regulation of protein localization to cell periph	9/397	115/18670	0.000785	0.040528	0.036988 PLS1/ARHGEF16/AGR2/MISP/S/	9
GO:0016042	lipid catabolic process	17/397	333/18670	0.000827	0.042075	0.0384 LIPH/PLA2G10/PLA2G4F/PLCD3	17
GO:0060428	lung epithelium development	5/397	36/18670	0.000929	0.046619	0.042547 AGR2/GRHL2/SHH/SPDEF/FOXA	5
GO:0048608	reproductive structure development	20/397	431/18670	0.000979	0.04851	0.044273 OVOL2/SERPINB5/GRHL2/SHH/	20