

supplementary Table 1 DE genes RPE/Choroid

FeatureID	EntrezID	Gene Name	TranscriptType	GeneBiotype	logFC	FC	PValue	FDR	Status
AABR07028639.1	<a href="https://www.ncbi.nlm.nih.gov/gene/2-term:NA target=">blank"> NA </a>	NA	NA	NA	-1.84828071812607	-3.6007082731498	0.000130478864278073	0.0255639602142729	Down in EPR_Meteorin
AABR07028639.1	<a href="https://www.ncbi.nlm.nih.gov/gene/2-term:NA target=">blank"> NA </a>	NA	NA	NA	1.6564010550231	3.1522917284884	0.20730796248484e-05	0.0074789276868377	Up in EPR_Meteorin
AABR0702907.2	<a href="https://www.ncbi.nlm.nih.gov/gene/2-term:NA target=">blank"> NA </a>	NA	NA	NA	-7.7330102714488	-212.74924872318	4.45536887874854e-05	0.0281829273206	Down in EPR_Meteorin
AABR0704711.1	<a href="https://www.ncbi.nlm.nih.gov/gene/2-term:NA target=">blank"> NA </a>	NA	NA	NA	-0.840892576196551	-1.79115796466991	7.44431137160214e-06	0.0033030856350852	Down in EPR_Meteorin
AABR07052523.1	<a href="https://www.ncbi.nlm.nih.gov/gene/2-term:NA target=">blank"> NA </a>	NA	NA	NA	-1.24115698871856	-2.36380030855028	2.74158369074309e-06	0.0016967456396048	Down in EPR_Meteorin
AABR07057438.1	<a href="https://www.ncbi.nlm.nih.gov/gene/2-term:NA target=">blank"> NA </a>	NA	NA	NA	-5.129047592428584	-34.9942890315887	0.00019703472526984	0.0333984982881201	Down in EPR_Meteorin
AABR0703246.1	<a href="https://www.ncbi.nlm.nih.gov/gene/2-term:NA target=">blank"> NA </a>	NA	NA	NA	2.61933849119444	6.1448626010382	2.5626044312791e-05	0.008590898896033	Up in EPR_Meteorin
Acbg2	<a href="https://www.ncbi.nlm.nih.gov/gene/2-term:31282 target=">blank"> 31282 </a>	ATP binding cassette subfamily G member 2	protein_coding	protein_coding	2.04479219986699	4.1261386162105	0.0042936838503638	0.0387502407187595	Up in EPR_Meteorin
AC108574.1	<a href="https://www.ncbi.nlm.nih.gov/gene/2-term:NA target=">blank"> NA </a>	NA	NA	NA	1.0158582096215	2.02210585255868	6.98513698958496e-06	0.0031772281093504	Up in EPR_Meteorin
Acer2	<a href="https://www.ncbi.nlm.nih.gov/gene/2-term:313339 target=">blank"> 313339 </a>	alkaline ceramidase 2	protein_coding	protein_coding	1.30495672900371	2.47076316712509	9.18392647432606e-06	0.0037486371565317	Up in EPR_Meteorin
Adgr4	<a href="https://www.ncbi.nlm.nih.gov/gene/2-term:64124 target=">blank"> 64124 </a>	adhesion G protein-coupled receptor L4	NA	NA	1.17621971042658	2.25983856750705	0.00023628741023234	0.036748782172836	Up in EPR_Meteorin
Alpl1	<a href="https://www.ncbi.nlm.nih.gov/gene/2-term:59110 target=">blank"> 59110 </a>	aryl hydrocarbon receptor-interacting protein-like	protein_coding	protein_coding	-2.02239351432992	-4.06409327853152	0.000163008314082022	0.029487898685758	Down in EPR_Meteorin
Alplv0e2	<a href="https://www.ncbi.nlm.nih.gov/gene/2-term:436582 target=">blank"> 436582 </a>	ATPase, H+ transporting V0 subunit e2	protein_coding	protein_coding	-1.037919157819854	-2.0235916730699	3.20593396455620e-06	0.0100758261937833	Down in EPR_Meteorin
Alplv1b2	<a href="https://www.ncbi.nlm.nih.gov/gene/2-term:117596 target=">blank"> 117596 </a>	ATPase H+ transporting V1 subunit B2	protein_coding	protein_coding	-0.889492004104825	-1.85252370583026	1.52734103131239e-05	0.005763666958408	Down in EPR_Meteorin
Calm4	<a href="https://www.ncbi.nlm.nih.gov/gene/2-term:691455 target=">blank"> 691455 </a>	calmodulin-like 4	protein_coding	protein_coding	-1.3563982236388	-2.560451567961419e-05	0.011108228422366	0.009656720550963	Down in EPR_Meteorin
Ccnj	<a href="https://www.ncbi.nlm.nih.gov/gene/2-term:294053 target=">blank"> 294053 </a>	cyclojin 5	protein_coding	protein_coding	8.0107748549131	257.81910907397	2.13173731016284e-05	0.0074789276868377	Up in EPR_Meteorin
Cdh11	<a href="https://www.ncbi.nlm.nih.gov/gene/2-term:84407 target=">blank"> 84407 </a>	cadherin 11	protein_coding	protein_coding	0.9449593564077596	1.9251334560562	1.6082967933217e-06	0.012679482712028	Up in EPR_Meteorin
Cers1	<a href="https://www.ncbi.nlm.nih.gov/gene/2-term:290559 target=">blank"> 290559 </a>	ceramide synthase 1	protein_coding	protein_coding	21.3059845782098	259269242174806	1.33471587293363e-06	0.00111404996122474	Up in EPR_Meteorin
Ckmt	<a href="https://www.ncbi.nlm.nih.gov/gene/2-term:29593 target=">blank"> 29593 </a>	creatine kinase, mitochondrial 1	NA	NA	-1.57510540893866	-2.97957261937287	0.00022426392871848	0.036320673395388	Down in EPR_Meteorin
Clt1	<a href="https://www.ncbi.nlm.nih.gov/gene/2-term:83800 target=">blank"> 83800 </a>	clathrin, light chain A	protein_coding	protein_coding	-0.75026387823745	-1.68209978102979	0.00033642139377074	0.047432268187133	Down in EPR_Meteorin
Crx	<a href="https://www.ncbi.nlm.nih.gov/gene/2-term:60446 target=">blank"> 60446 </a>	cone-rod homeobox	protein_coding	protein_coding	-2.5513564137402	-6.86188445651031	2.76152382992715e-05	0.009556975505963	Down in EPR_Meteorin
Ctnna2	<a href="https://www.ncbi.nlm.nih.gov/gene/2-term:297357 target=">blank"> 297357 </a>	catenin alpha 2	protein_coding	protein_coding	-2.36400170461928	-5.1476903717878	3.64940415265407e-06	0.010667620503681	Down in EPR_Meteorin
Dapl1	<a href="https://www.ncbi.nlm.nih.gov/gene/2-term:362136 target=">blank"> 362136 </a>	death associated protein 1	protein_coding	protein_coding	-0.3011567022367	-4.92852759010921	0.000152620176479814	0.0281522917770906	Down in EPR_Meteorin
Dnaase2b	<a href="https://www.ncbi.nlm.nih.gov/gene/2-term:59296 target=">blank"> 59296 </a>	deoxyribonuclease 2 beta	protein_coding	protein_coding	-3.0603279304077	-8.3586696326393	6.4075502956766e-05	0.0160411550252741	Down in EPR_Meteorin
Dusp7	<a href="https://www.ncbi.nlm.nih.gov/gene/2-term:300980 target=">blank"> 300980 </a>	dual specificity phosphatase 7	protein_coding	protein_coding	0.840895769670012	1.79111723491152	4.5617892278807e-06	0.00237307421695891	Up in EPR_Meteorin
Ebf1	<a href="https://www.ncbi.nlm.nih.gov/gene/2-term:116543 target=">blank"> 116543 </a>	ETS transcription factor 1	protein_coding	protein_coding	0.887394365373747	1.84983214474515	9.79435233830413e-05	0.021108228422366	Up in EPR_Meteorin
Echs1	<a href="https://www.ncbi.nlm.nih.gov/gene/2-term:140547 target=">blank"> 140547 </a>	enoyl-CoA hydratase, short chain 1	protein_coding	protein_coding	-1.1392504600024	-2.02066584215823	0.00018262100223034	0.031312397064282	Down in EPR_Meteorin
Eno3	<a href="https://www.ncbi.nlm.nih.gov/gene/2-term:366270 target=">blank"> 366270 </a>	enolase 3	protein_coding	protein_coding	0.97307740438091	1.96302349551108	6.1371008701612e-05	0.0156922540779379	Up in EPR_Meteorin
Enh1	<a href="https://www.ncbi.nlm.nih.gov/gene/2-term:24333 target=">blank"> 24333 </a>	enhancer 1	protein_coding	protein_coding	-0.922522325080092	-1.88997685928325	2.16296043675826e-06	0.014832009626016	Down in EPR_Meteorin
Eno2	<a href="https://www.ncbi.nlm.nih.gov/gene/2-term:24334 target=">blank"> 24334 </a>	enolase 2	protein_coding	protein_coding	-1.27641206915051	-2.42235944519555	4.61459113694832e-08	5.35505553015403e-05	Down in EPR_Meteorin
Erp	<a href="https://www.ncbi.nlm.nih.gov/gene/2-term:170909 target=">blank"> 170909 </a>	ETS transcription factor ERQ	protein_coding	protein_coding	1.17185954948084	2.25306303525935	3.7117614795358e-06	0.0019998404000413	Up in EPR_Meteorin
Esrp	<a href="https://www.ncbi.nlm.nih.gov/gene/2-term:299219 target=">blank"> 299219 </a>	estrogen-related receptor beta	protein_coding	protein_coding	-2.84108913036541	-7.16568004162378	4.78377759386877e-06	0.00240560226529724	Down in EPR_Meteorin
F13a1	<a href="https://www.ncbi.nlm.nih.gov/gene/2-term:60327 target=">blank"> 60327 </a>	coagulation factor XIII A1 chain	protein_coding	protein_coding	-1.55943114183241	-2.9473759927187	5.97238649353543e-05	0.0156922540779379	Down in EPR_Meteorin
F2r	<a href="https://www.ncbi.nlm.nih.gov/gene/2-term:25439 target=">blank"> 25439 </a>	coagulation factor II (thrombin) receptor	protein_coding	protein_coding	1.4052838085646	6.24914788216249	6.00007624380368e-06	0.00282868690410803	Up in EPR_Meteorin
Fam169a	<a href="https://www.ncbi.nlm.nih.gov/gene/2-term:31013 target=">blank"> 31013 </a>	family with sequence similarity 169, member A	protein_coding	protein_coding	-1.53954410432281	-2.9070283357297	0.00016784851714838	0.0297139834999511	Down in EPR_Meteorin
Fam80b	<a href="https://www.ncbi.nlm.nih.gov/gene/2-term:361441 target=">blank"> 361441 </a>	family with sequence similarity 89, member A	protein_coding	protein_coding	-2.38794341198252	-5.23410098039616	0.00241752831577303	0.0235666568038221	Down in EPR_Meteorin
Fdft1	<a href="https://www.ncbi.nlm.nih.gov/gene/2-term:29580 target=">blank"> 29580 </a>	farnesyl diphosphate farnesyl transferase 1	protein_coding	protein_coding	-0.73087890498253	-1.65964964318959	0.00026621261401012	0.0423474759798488	Down in EPR_Meteorin
Fgfs	<a href="https://www.ncbi.nlm.nih.gov/gene/2-term:362402 target=">blank"> 362402 </a>	FYVE, RhoGEP and PH domain containing 5	protein_coding	protein_coding	0.95585653173752	1.99428417349355	0.000112074388116607	0.0235666568038221	Up in EPR_Meteorin
Fkbp5	<a href="https://www.ncbi.nlm.nih.gov/gene/2-term:361819 target=">blank"> 361819 </a>	FKBP prolyl isomerase 5	protein_coding	protein_coding	1.8280681107068	3.55080805001127	3.25982379697933e-05	9.1265869687169e-08	Up in EPR_Meteorin
Fmo2	<a href="https://www.ncbi.nlm.nih.gov/gene/2-term:246245 target=">blank"> 246245 </a>	flavin containing dimethylalanine monooxygenase 2	protein_coding	protein_coding	2.17856740485821	4.62703810143509	6.56953260014895e-06	0.0362737525203575	Up in EPR_Meteorin
Opd	<a href="https://www.ncbi.nlm.nih.gov/gene/2-term:24377 target=">blank"> 24377 </a>	glucose-6-phosphate dehydrogenase	protein_coding	protein_coding	-0.849468785360072	-1.80183485078228	0.00026026872371088	0.0393578002610021	Down in EPR_Meteorin
Opf6	<a href="https://www.ncbi.nlm.nih.gov/gene/2-term:408206 target=">blank"> 408206 </a>	gamma-glutamyl transferase 6	protein_coding	protein_coding	-2.2970687966548	-4.61456524139888	0.00021448022624262	0.0358784801093923	Down in EPR_Meteorin
Opip	<a href="https://www.ncbi.nlm.nih.gov/gene/2-term:25040 target=">blank"> 25040 </a>	gastric inhibitory polypeptide	protein_coding	protein_coding	-2.30139358115728	-4.813227469418	1.0529281473471729e-08	1.58844745020357e-05	Down in EPR_Meteorin
Ornt1	<a href="https://www.ncbi.nlm.nih.gov/gene/2-term:363143 target=">blank"> 363143 </a>	G protein subunit alpha transducin 1	protein_coding	protein_coding	-2.01763849475428	-4.30984862350695	0.000119984574897387	0.0234440023844834	Down in EPR_Meteorin
Orst1	<a href="https://www.ncbi.nlm.nih.gov/gene/2-term:81780 target=">blank"> 81780 </a>	G protein-coupled receptor kinase 1	protein_coding	protein_coding	-2.36055934042488	-5.15951847419147	0.000260379886935058	0.0396379374968759	Down in EPR_Meteorin
Gsk1	<a href="https://www.ncbi.nlm.nih.gov/gene/2-term:24426 target=">blank"> 24426 </a>	glutathione S-transferase pi 1	protein_coding	protein_coding	-1.1917400989369	-2.28429505262971	2.92426001787767e-06	0.0016967456396048	Down in EPR_Meteorin
Hes1	<a href="https://www.ncbi.nlm.nih.gov/gene/2-term:29577 target=">blank"> 29577 </a>	heparin binding EGF-like transcription factor 1	protein_coding	protein_coding	0.972181371902703	1.96180462549665	0.000120782228574054	0.0243440023844834	Up in EPR_Meteorin
Hsp1	<a href="https://www.ncbi.nlm.nih.gov/gene/2-term:79242 target=">blank"> 79242 </a>	15-hydroxyprostanoid dehydrogenase	protein_coding	protein_coding	-0.41986836823576	-16.2212717185999	1.82149223932675e-02	9.1596743122891e-39	Down in EPR_Meteorin
Hsp1b3	<a href="https://www.ncbi.nlm.nih.gov/gene/2-term:24472 target=">blank"> 24472 </a>	heat shock protein family A (Hsp70) member 1B	protein_coding	protein_coding	0.86973765279948	1.65853345700909	0.00025415307211129	0.03957550240716795	Up in EPR_Meteorin
Igf2bp3	<a href="https://www.ncbi.nlm.nih.gov/gene/2-term:24484 target=">blank"> 24484 </a>	insulin-like growth factor binding protein 3	protein_coding	protein_coding	1.23692319099854	2.35695333123968	6.592544847347127e-05	0.0160411550252741	Up in EPR_Meteorin
Kcne2	<a href="https://www.ncbi.nlm.nih.gov/gene/2-term:171138 target=">blank"> 171138 </a>	potassium voltage-gated channel subfamily E reg	protein_coding	protein_coding	-1.74920083598242	-3.3617429368374	2.47557686287784e-05	0.008485285304288	Down in EPR_Meteorin
Kcnj14	<a href="https://www.ncbi.nlm.nih.gov/gene/2-term:276720 target=">blank"> 276720 </a>	potassium inwardly-rectifying channel, subfamily J	protein_coding	protein_coding	-2.4290687169535	-5.38545702716459	2.11449002275853e-05	0.0074789276868377	Down in EPR_Meteorin
Kir9	<a href="https://www.ncbi.nlm.nih.gov/gene/2-term:117560 target=">blank"> 117560 </a>	Kruppel-like family 9	protein_coding	protein_coding	1.2017469739825	2.3001803354035	3.0791553594433e-05	0.011007475399537	Up in EPR_Meteorin
Lamp3	<a href="https://www.ncbi.nlm.nih.gov/gene/2-term:303801 target=">blank"> 303801 </a>	lysosomal-associated membrane protein 3	protein_coding	protein_coding	-0.06307878406616	-8.35754828019005	0.00015302189966203	0.0281522917770906	Down in EPR_Meteorin
Ldha	<a href="https://www.ncbi.nlm.nih.gov/gene/2-term:24533 target=">blank"> 24533 </a>	lactate dehydrogenase A	protein_coding	protein_coding	-1.1665738617745	-2.2447869592163	1.25126831229672e-06	0.0196475275971093	Down in EPR_Meteorin
LOC100364082	<a href="https://www.ncbi.nlm.nih.gov/gene/2-term:100364082 target=">blank"> 100364082 </a>	Mg pyruvate kinase-like	NA	NA	-1.1827859240705	-2.27011213139668	7.665950869382227e-06	0.0033042248970301	Down in EPR_Meteorin
LOC100917225	<a href="https://www.ncbi.nlm.nih.gov/gene/2-term:100917225 target=">blank"> 100917225 </a>	6-phosphofructo-2-kinase/fructose-2,6-bisphospho	NA	NA	-6.93924597956613	-122.730157049683	0.00001830022300169	0.0358784801093923	Down in EPR_Meteorin
LOC100912399	<a href="https://www.ncbi.nlm.nih.gov/gene/2-term:100912399 target=">blank"> 100912399 </a>	mitogen-activated protein kinase kinase kinase 14	protein_coding	protein_coding	20.5288256666443	1512837.46556109	3.23482096358917e-06	0.00180742826135949	Up in EPR_Meteorin
LOC10256337	<a href="https://www.ncbi.nlm.nih.gov/gene/2-term:10256337 target=">blank"> 10256337 </a>	mitochondrial fusion factor-like	protein_coding	protein_coding	-2.5310593209068	-5.77993148858034	1.93197555528334e-08	2.6496165700041e-05	Down in EPR_Meteorin
LOC10348005	<a href="https://www.ncbi.nlm.nih.gov/gene/2-term:108348055 target=">blank"> 108348055 </a>	B6 domain-containing protein 1	NA	NA	-7.6765565897103	-190.897710254151	6.4946212519021e-05	0.001141050227418	Down in EPR_Meteorin
LOC10361137	<a href="https://www.ncbi.nlm.nih.gov/gene/2-term:108351137 target=">blank"> 108351137 </a>	glyceraldehyde 3-phosphate dehydrogenase	NA	NA	-0.80909304211234	-1.7530939386015	0.000309364497199554	0.0448757000413451	Down in EPR_Meteorin
LOC85431	<a href="https://www.ncbi.nlm.nih.gov/gene/2-term:685431 target=">blank"> 685431 </a>	similar to Alpha-enolase (2-phospho-D-glycerate	pseudogene	pseudogene	-1.08381759634975	-2.11963755916294	2.46808447443531e-06	0.0161848478149059	Down in EPR_Meteorin
Map3k4	<a href="https://www.ncbi.nlm.nih.gov/gene/2-term:313022 target=">blank"> 313022 </a>	mitogen-activated protein kinase kinase kinase 6	protein_coding	protein_coding	2.03241460953591	4.0908961559582	4.0086741695541e-08	5.0395715663733e-05	Up in EPR_Meteorin
Marcks	<a href="https://www.ncbi.nlm.nih.gov/gene/2-term:25603 target=">blank"> 25603 </a>	myristoylated alanine rich protein kinase C substra	protein_coding	protein_coding	0.78719462777554	1.7257157633049	0.000164190872760995	0.029487898685758	Up in EPR_Meteorin
Mapk3	<a href="https://www.ncbi.nlm.nih.gov/gene/2-term:287382 target=">blank"> 287382 </a>	microfilin associated protein 4	NA</						

Supplementary Table 2 DE genes Retina

Accession	Gene Name	Transcript Type	GeneSymbol	logFC	FC	Pvalue	FDR	Status
AB07014236.1	ca href="https://www.ncbi.nlm.nih.gov/gene/267041" target="_blank">"AB07014236.1" target="_blank">AB07014236.1	NA	NA	-1.0746555490785	-2.1052117048320229	7.3124163371074e-15	2.56035056250723e-11	Down in NR1_Metformin
AB07014243.1	ca href="https://www.ncbi.nlm.nih.gov/gene/267041" target="_blank">"AB07014243.1" target="_blank">AB07014243.1	NA	NA	0.78679230320938	1.70284343051992	2.7898638463026e-08	2.51387643090326e-05	Up in NR1_Metformin
AB07014275.1	ca href="https://www.ncbi.nlm.nih.gov/gene/267041" target="_blank">"AB07014275.1" target="_blank">AB07014275.1	NA	NA	1.6793389303076	3.20381119911	0.00096777666272039	0.242021903364842	Up in NR1_Metformin
AB07033275.1	ca href="https://www.ncbi.nlm.nih.gov/gene/267041" target="_blank">"AB07033275.1" target="_blank">AB07033275.1	NA	NA	1.60588973722033	3.0438361176196	1.78214818872214e-08	2.76331873302971e-05	Up in NR1_Metformin
AB07033461.1	ca href="https://www.ncbi.nlm.nih.gov/gene/267041" target="_blank">"AB07033461.1" target="_blank">AB07033461.1	NA	NA	-0.80227145627355	-2.7102995747731	0.00114230864287449	0.218714671057105	Down in NR1_Metformin
AB07044602.2	ca href="https://www.ncbi.nlm.nih.gov/gene/267041" target="_blank">"AB07044602.2" target="_blank">AB07044602.2	NA	NA	-0.99148429785725	-1.9862394089757	0.0006752680544969	0.04552505597703	Down in NR1_Metformin
AB07045021.2	ca href="https://www.ncbi.nlm.nih.gov/gene/267041" target="_blank">"AB07045021.2" target="_blank">AB07045021.2	NA	NA	-8.3118618466232	-835.55001208142	2.042710460315e-22	1.4253012278129e-22	Down in NR1_Metformin
AB07050300.1	ca href="https://www.ncbi.nlm.nih.gov/gene/267041" target="_blank">"AB07050300.1" target="_blank">AB07050300.1	NA	NA	0.37228065538701	1.29411035668208	6.8695207515557e-05	0.015122910073521	Up in NR1_Metformin
AB07072345.1	ca href="https://www.ncbi.nlm.nih.gov/gene/267041" target="_blank">"AB07072345.1" target="_blank">AB07072345.1	NA	NA	-7.96486103788004	-249.80541935087	7.2257257777338e-08	7.75803742556041e-07	Down in NR1_Metformin
AC017058.1	ca href="https://www.ncbi.nlm.nih.gov/gene/267041" target="_blank">"AC017058.1" target="_blank">AC017058.1	NA	NA	-8.602207039186429	-388.58068789745	4.4878884196615e-05	0.0002119186770405	Down in NR1_Metformin
Acaca	ca href="https://www.ncbi.nlm.nih.gov/gene/26581" target="_blank">"Acaca" target="_blank">Acaca	protein_coding	protein_coding	0.418315884071401	1.32606666555055	1.11569102545635e-05	0.0038923670565975	Up in NR1_Metformin
Adgrd2	ca href="https://www.ncbi.nlm.nih.gov/gene/171447" target="_blank">"Adgrd2" target="_blank">Adgrd2	NA	NA	0.311895013235584	1.2473715454412	0.000444447834278062	0.0365224087702692	Up in NR1_Metformin
Ank3	ca href="https://www.ncbi.nlm.nih.gov/gene/267041" target="_blank">"Ank3" target="_blank">Ank3	protein_coding	protein_coding	0.345666035002839	1.207288881491	0.000848845711190902	0.0468947824309072	Up in NR1_Metformin
Ank3k1	ca href="https://www.ncbi.nlm.nih.gov/gene/266062" target="_blank">"Ank3k1" target="_blank">Ank3k1	protein_coding	protein_coding	0.318624336687007	1.2471402700732	0.00034572045888074	0.0234082929340207	Up in NR1_Metformin
Ank4	ca href="https://www.ncbi.nlm.nih.gov/gene/267041" target="_blank">"Ank4" target="_blank">Ank4	protein_coding	protein_coding	0.468553665968713	1.38372319183786	3.0081071031706e-07	0.00711482529491967	Up in NR1_Metformin
Anp1f2	ca href="https://www.ncbi.nlm.nih.gov/gene/267027" target="_blank">"Anp1f2" target="_blank">Anp1f2	protein_coding	protein_coding	0.320071170457377	1.24369213295625	0.00051048176823148	0.0041961106720439	Up in NR1_Metformin
Atg16l1	ca href="https://www.ncbi.nlm.nih.gov/gene/249697" target="_blank">"Atg16l1" target="_blank">Atg16l1	NA	NA	-0.33787618811714	-1.32330842597252	2.85444989697798e-05	0.0866034565473569	Down in NR1_Metformin
Atxn1	ca href="https://www.ncbi.nlm.nih.gov/gene/25249" target="_blank">"Atxn1" target="_blank">Atxn1	protein_coding	protein_coding	0.378781023526217	1.262196146668187	2.88445245451691e-05	0.00711482529491967	Up in NR1_Metformin
Baz2b	ca href="https://www.ncbi.nlm.nih.gov/gene/271762" target="_blank">"Baz2b" target="_blank">Baz2b	protein_coding	protein_coding	1.5914402480347	3.12036881699025	0.0002258518170807	0.0274470519834497	Up in NR1_Metformin
Bp1	ca href="https://www.ncbi.nlm.nih.gov/gene/264967" target="_blank">"Bp1" target="_blank">Bp1	protein_coding	protein_coding	0.33774811795428	1.2623874892033	0.0003454174151083	0.0227716868707897	Up in NR1_Metformin
Bp1l1	ca href="https://www.ncbi.nlm.nih.gov/gene/267041" target="_blank">"Bp1l1" target="_blank">Bp1l1	protein_coding	protein_coding	0.320344963822034	1.2573138758907	5.32098473041473e-05	0.00145717820132	Up in NR1_Metformin
Bt1	ca href="https://www.ncbi.nlm.nih.gov/gene/267041" target="_blank">"Bt1" target="_blank">Bt1	protein_coding	protein_coding	0.203983782745182	1.24918203858004	0.0005991498550065	0.042021903364842	Up in NR1_Metformin
Bwt	ca href="https://www.ncbi.nlm.nih.gov/gene/304061" target="_blank">"Bwt" target="_blank">Bwt	protein_coding	protein_coding	0.405427036030877	1.234480889113767	4.3503283284229e-05	0.0091883078186922	Up in NR1_Metformin
Bwn1	ca href="https://www.ncbi.nlm.nih.gov/gene/267041" target="_blank">"Bwn1" target="_blank">Bwn1	protein_coding	protein_coding	0.38440411056582	1.2873500620578	0.0011325809671543	0.018615878157456	Up in NR1_Metformin
Cacna1d	ca href="https://www.ncbi.nlm.nih.gov/gene/267041" target="_blank">"Cacna1d" target="_blank">Cacna1d	protein_coding	protein_coding	0.4258769593743	1.3423050437832	2.9867220886873e-05	0.0115923310039953	Up in NR1_Metformin
Cank1	ca href="https://www.ncbi.nlm.nih.gov/gene/267041" target="_blank">"Cank1" target="_blank">Cank1	protein_coding	protein_coding	0.308902474660337	1.23878041245114	0.00077414293094492	0.00470700026073	Up in NR1_Metformin
Carni1	ca href="https://www.ncbi.nlm.nih.gov/gene/267041" target="_blank">"Carni1" target="_blank">Carni1	NA	NA	0.38148730878426	1.2028841943019	0.0011664433025749	0.018844871409312	Up in NR1_Metformin
Cd2da	ca href="https://www.ncbi.nlm.nih.gov/gene/26588" target="_blank">"Cd2da" target="_blank">Cd2da	protein_coding	protein_coding	0.563003171980265	1.476263303374	2.9158122570326e-05	0.00711482529491967	Up in NR1_Metformin
Cdc141	ca href="https://www.ncbi.nlm.nih.gov/gene/211133" target="_blank">"Cdc141" target="_blank">Cdc141	protein_coding	protein_coding	0.37368798286205	1.2986427671206	0.00034186327397234	0.0234082929340207	Up in NR1_Metformin
Cdc80la	ca href="https://www.ncbi.nlm.nih.gov/gene/265905" target="_blank">"Cdc80la" target="_blank">Cdc80la	protein_coding	protein_coding	0.337387596978718	1.26346674812109	0.001926360308106	0.025873990570156	Up in NR1_Metformin
Ccn3	ca href="https://www.ncbi.nlm.nih.gov/gene/264505" target="_blank">"Ccn3" target="_blank">Ccn3	protein_coding	protein_coding	1.39301728408178	2.82627371450243	0.0005040210587736	0.0041345106720439	Up in NR1_Metformin
Coj1	ca href="https://www.ncbi.nlm.nih.gov/gene/267041" target="_blank">"Coj1" target="_blank">Coj1	protein_coding	protein_coding	-0.3089030823883	-1.2344710758224	0.00025040070787181	0.043831322717712	Down in NR1_Metformin
Ctcf2	ca href="https://www.ncbi.nlm.nih.gov/gene/28428" target="_blank">"Ctcf2" target="_blank">Ctcf2	protein_coding	protein_coding	0.306776789714996	1.2313806213988	0.000345870356667	0.0234082929340207	Up in NR1_Metformin
Cpe30	ca href="https://www.ncbi.nlm.nih.gov/gene/26530" target="_blank">"Cpe30" target="_blank">Cpe30	protein_coding	protein_coding	0.38817671488846	1.2884986748963	0.00022215484671757	0.027445055878967	Up in NR1_Metformin
Ctcf	ca href="https://www.ncbi.nlm.nih.gov/gene/265671" target="_blank">"Ctcf" target="_blank"> Ctcf	protein_coding	protein_coding	0.523029147103731	1.4369992452364	2.008418719602783	0.03941078778309	Down in NR1_Metformin
Clu	ca href="https://www.ncbi.nlm.nih.gov/gene/26581" target="_blank">"Clu" target="_blank">Clu	protein_coding	protein_coding	0.523029147103731	1.4369992452364	2.008418719602783	0.03941078778309	Down in NR1_Metformin
Cmpk2	ca href="https://www.ncbi.nlm.nih.gov/gene/214007" target="_blank">"Cmpk2" target="_blank">Cmpk2	protein_coding	protein_coding	0.449690712596908	1.3612871645033	1.86287486238556e-05	0.00115027914990273	Up in NR1_Metformin
Cnt1a2	ca href="https://www.ncbi.nlm.nih.gov/gene/284273" target="_blank">"Cnt1a2" target="_blank">Cnt1a2	protein_coding	protein_coding	0.567876330945852	1.482138517451	0.0005697535472314	0.025873990570156	Up in NR1_Metformin
Cnt1a1	ca href="https://www.ncbi.nlm.nih.gov/gene/26393" target="_blank">"Cnt1a1" target="_blank">Cnt1a1	protein_coding	protein_coding	2.2001373848703	4.5952330003297	0.00023678624874775	0.02800333811844	Up in NR1_Metformin
Coll2a2	ca href="https://www.ncbi.nlm.nih.gov/gene/265135" target="_blank">"Coll2a2" target="_blank">Coll2a2	protein_coding	protein_coding	-0.875246142319176	-1.8432101845893	0.00147071638884167	0.023685520098619	Down in NR1_Metformin
Cop2	ca href="https://www.ncbi.nlm.nih.gov/gene/265083" target="_blank">"Cop2" target="_blank">Cop2	protein_coding	protein_coding	-0.33030772969691	-1.25774348202434	0.00039390409495287	0.023010663280206	Down in NR1_Metformin
Cvpe	ca href="https://www.ncbi.nlm.nih.gov/gene/267041" target="_blank">"Cvpe" target="_blank">Cvpe	protein_coding	protein_coding	0.316381074332806	-1.24517720764384	0.0003386544900158	0.033710438722941	Down in NR1_Metformin
Dhp	ca href="https://www.ncbi.nlm.nih.gov/gene/264309" target="_blank">"Dhp" target="_blank">Dhp	protein_coding	protein_coding	-0.460895684864095	-1.27639607617878	2.8638040738024e-06	0.0115923310039953	Down in NR1_Metformin
Dhs	ca href="https://www.ncbi.nlm.nih.gov/gene/288903" target="_blank">"Dhs" target="_blank">Dhs	protein_coding	protein_coding	-0.30341100100733	-1.23408685385	0.00033834503415519	0.033710438722941	Down in NR1_Metformin
Dit	ca href="https://www.ncbi.nlm.nih.gov/gene/265430" target="_blank">"Dit" target="_blank">Dit	NA	NA	-0.547712329643342	-1.46118950191788	1.9932579147629e-07	0.0015453266596661	Down in NR1_Metformin
Dna1	ca href="https://www.ncbi.nlm.nih.gov/gene/261613" target="_blank">"Dna1" target="_blank">Dna1	protein_coding	protein_coding	0.320344963822034	1.2573138758907	5.32098473041473e-05	0.00470700026073	Up in NR1_Metformin
Eno1	ca href="https://www.ncbi.nlm.nih.gov/gene/267041" target="_blank">"Eno1" target="_blank">Eno1	protein_coding	protein_coding	-1.44858713418305	-2.7294802132038	3.906856412214e-05	5.44336882681447e-18	Down in NR1_Metformin
Emg	ca href="https://www.ncbi.nlm.nih.gov/gene/264496" target="_blank">"Emg" target="_blank">Emg	protein_coding	protein_coding	0.37459564200041	1.29638266126260	0.00051807043748117	0.0401345106720439	Up in NR1_Metformin
Emy	ca href="https://www.ncbi.nlm.nih.gov/gene/261602" target="_blank">"Emy" target="_blank">Emy	NA	NA	0.30927252962693	1.2396273912315	0.0002653073235001	0.029151829045737	Up in NR1_Metformin
EP300	ca href="https://www.ncbi.nlm.nih.gov/gene/267041" target="_blank">"EP300" target="_blank">EP300	protein_coding	protein_coding	0.384040286735813	1.3049118895142	0.00524250584681e-06	0.0242311729338087	Up in NR1_Metformin
EphA15	ca href="https://www.ncbi.nlm.nih.gov/gene/264732" target="_blank">"EphA15" target="_blank">EphA15	protein_coding	protein_coding	0.310786003516913	1.2421014805683	0.00084187960118703	0.04245724481749	Up in NR1_Metformin
Eppaf1	ca href="https://www.ncbi.nlm.nih.gov/gene/267041" target="_blank">"Eppaf1" target="_blank">Eppaf1	protein_coding	protein_coding	0.63969630516913	1.87709643757686	0.000443044854174864	0.033710438722941	Up in NR1_Metformin
Fabp1	ca href="https://www.ncbi.nlm.nih.gov/gene/267041" target="_blank">"Fabp1" target="_blank">Fabp1	protein_coding	protein_coding	-0.487241554812687	-1.40717649135587	0.00061409709696e-05	0.013276231962186	Down in NR1_Metformin
Fabp2	ca href="https://www.ncbi.nlm.nih.gov/gene/265024" target="_blank">"Fabp2" target="_blank">Fabp2	protein_coding	protein_coding	0.358510268159035	1.38719848023173	1.41115914161027e-05	0.00711482529491967	Up in NR1_Metformin
Foxo1	ca href="https://www.ncbi.nlm.nih.gov/gene/266157" target="_blank">"Foxo1" target="_blank">Foxo1	protein_coding	protein_coding	0.458995657869779	1.27455025918106	0.00121741305586527051	0.0091883078186922	Up in NR1_Metformin
Fox1	ca href="https://www.ncbi.nlm.nih.gov/gene/265661" target="_blank">"Fox1" target="_blank">Fox1	protein_coding	protein_coding	0.7815540887004	1.6980267103517	0.0075587785657514	0.047862762061071	Up in NR1_Metformin
Fos	ca href="https://www.ncbi.nlm.nih.gov/gene/261532" target="_blank">"Fos" target="_blank">Fos	protein_coding	protein_coding	1.01642170300309	-2.02289520264	9.735897103204e-06	1.143100507524e-07	Down in NR1_Metformin
Frbz	ca href="https://www.ncbi.nlm.nih.gov/gene/265493" target="_blank">"Frbz" target="_blank">Frbz	protein_coding	protein_coding	-0.33521877107785	-1.26158896958583	0.00101751243733803	0.023751043592312	Down in NR1_Metformin
Fundc2	ca href="https://www.ncbi.nlm.nih.gov/gene/266128" target="_blank">"Fundc2" target="_blank">Fundc2	protein_coding	protein_coding	-0.3051930081457	-1.2355644412374	0.000209918174833066	0.030471809826982	Down in NR1_Metformin
Gaf1	ca href="https://www.ncbi.nlm.nih.gov/gene/264387" target="_blank">"Gaf1" target="_blank">Gaf1	protein_coding	protein_coding	0.472292243987285	1.3873119568137	0.0013155807035852	0.0202697189159705	Up in NR1_Metformin
Qip	ca href="https://www.ncbi.nlm.nih.gov/gene/264392" target="_blank">"Qip" target="_blank">Qip	protein_coding	protein_coding	-0.823066117992	-1.76918235418922	7.0897307132554e-06	0.029989303702384	Down in NR1_Metformin
Qsox1	ca href="https://www.ncbi.nlm.nih.gov/gene/263928" target="_blank">"Qsox1" target="_blank">Qsox1	protein_coding	protein_coding	-0.45371274216058	-1.36959023995183	1.15484289848759e-05	0.003988306408134	Down in NR1_Metformin
Qsmad1b	ca href="https://www.ncbi.nlm.nih.gov/gene/260044" target="_blank">"Qsmad1b" target="_blank">Qsmad1b	protein_coding	protein_coding	0.32549535248066	1.25309481753132	0.0003840173884617	0.032771898370797	Up in NR1_Metformin
Gm1	ca href="https://www.ncbi.nlm.nih.gov/gene/264414" target="_blank">"Gm1" target="_blank">Gm1	protein_coding	protein_coding	0.358238480167285	1.2397076652147	0.0002783811673729	0.011551592543026	Up in NR1_Metformin
Hnz1	ca href="https://www.ncbi.nlm.nih.gov/gene/267773" target="_blank">"Hnz1" target="_blank">Hnz1	protein_coding	protein_coding	0.308902710201207	1.2328024520564	0.00035686958165745	0.005413211790455	Up in NR1_Metformin
Hpk2	ca href="https://www.ncbi.nlm.nih.gov/gene/263242" target="_blank">"Hpk2" target="_blank">Hpk2	protein_coding	protein_coding	0.41828815110212	1.306340060619	0.001772378068618	0.024550323417257	Up in NR1_Metformin
Hwp2	ca href="https://www.ncbi.nlm.nih.gov/gene/28721" target="_blank">"Hwp2" target="_blank">Hwp2	protein_coding	protein_coding	0.318655783243039	1.24570784453231	0.00028345079913349	0.029151829045737	Up in NR1_Metformin
Hypn	ca href="https://www.ncbi.nlm.nih.gov/gene/271160" target="_blank">"Hypn" target="_blank">Hypn	protein_coding	protein_coding	-0.37501662080749	-1.26958449519185	0.00781270485113e-05	0.0152782331682166	Down in NR1_Metformin
Hoxd	ca href="https://www.ncbi.nlm.nih.gov/gene/260217" target="_blank">"Hoxd" target="_blank">Hoxd	protein_coding	protein_coding	0.576287230616478	1.4872293642391	0.00022808435320025	0.027445055878967	Up in NR1_Metformin
Igfb1	ca href="https://www.ncbi.nlm.nih.gov/gene/267041" target="_blank">"Igfb1" target="_blank"&							

Pnel	<a href="https://www.ncbi.nlm.nih.gov/geo/2/mim-36218">ca href="https://www.ncbi.nlm.nih.gov/geo/2/mim-36218"</a>	target_3	blank">36218	</a>	permeascope protein	protein, coding	protein, coding	-0.5441114398943	-1.458121733757093	0.000423620078230437	0.0355658041921552	Down in NR_Melanin
Pnl2a	<a href="https://www.ncbi.nlm.nih.gov/geo/2/mim-690966">ca href="https://www.ncbi.nlm.nih.gov/geo/2/mim-690966"</a>	target_3	blank">690966	</a>	RNA polymerase II, and III subunit E	protein, coding	protein, coding	0.31225924386716	-1.241627670687068	0.0002801672867068	0.027440556579897	Down in NR_Melanin
Pnl12b	<a href="https://www.ncbi.nlm.nih.gov/geo/2/mim-304813">ca href="https://www.ncbi.nlm.nih.gov/geo/2/mim-304813"</a>	target_1	blank">304813	</a>	protein phosphatase 1, regulatory subunit 12B	protein, coding	protein, coding	0.30480618288874	1.235362466596658	0.00048392433958931	0.039410578778309	Up in NR_Melanin
Pp1r1b	<a href="https://www.ncbi.nlm.nih.gov/geo/2/mim-360616">ca href="https://www.ncbi.nlm.nih.gov/geo/2/mim-360616"</a>	target_1	blank">360616	</a>	protein phosphatase 1, regulatory (inhibitor) subunit 1B	protein, coding	protein, coding	0.55272797059649	-1.467893496796539	5.2202762414631e-07	0.00034244840272764	Down in NR_Melanin
Ppm1	<a href="https://www.ncbi.nlm.nih.gov/geo/2/mim-306871">ca href="https://www.ncbi.nlm.nih.gov/geo/2/mim-306871"</a>	target_1	blank">306871	</a>	PRKSET domain 1	protein, coding	protein, coding	0.47309983912828	1.3938737082777769	4.42982679514258e-05	0.0362191687070485	Up in NR_Melanin
Pps2	<a href="https://www.ncbi.nlm.nih.gov/geo/2/mim-312912">ca href="https://www.ncbi.nlm.nih.gov/geo/2/mim-312912"</a>	target_1	blank">312912	</a>	phosphatidylinositol-3,4,5-trisphosphate-dependent Rac exchange factor 2	protein, coding	protein, coding	0.38730129636793	1.30471006580897	0.001307300698304277	0.022260689304277	Up in NR_Melanin
Ppk3	<a href="https://www.ncbi.nlm.nih.gov/geo/2/mim-85430">ca href="https://www.ncbi.nlm.nih.gov/geo/2/mim-85430"</a>	target_1	blank">85430	</a>	protein kinase C, theta	protein, coding	protein, coding	0.76596404847795	7.26354014809729e-05	0.013515027055597	0.0001307305597	Down in NR_Melanin
Pp1a	<a href="https://www.ncbi.nlm.nih.gov/geo/2/mim-306380">ca href="https://www.ncbi.nlm.nih.gov/geo/2/mim-306380"</a>	target_1	blank">306380	</a>	protein kinase and Sec7 domain containing 3	protein, coding	protein, coding	1.11716020315869	2.16023590323071	1.591729123223982e-16	7.4031686531988e-13	Up in NR_Melanin
Ppm1b	<a href="https://www.ncbi.nlm.nih.gov/geo/2/mim-94198">ca href="https://www.ncbi.nlm.nih.gov/geo/2/mim-94198"</a>	target_1	blank">94198	</a>	proteasome 20S subunit beta 1	protein, coding	protein, coding	-0.36127834220331	-1.28465061688499	0.00042835682931085	0.039410578778309	Down in NR_Melanin
Ppm1b	<a href="https://www.ncbi.nlm.nih.gov/geo/2/mim-58854">ca href="https://www.ncbi.nlm.nih.gov/geo/2/mim-58854"</a>	target_1	blank">58854	</a>	proteasome 20S subunit beta 4	protein, coding	protein, coding	-0.38078287183745	-1.30224545782947	0.00054890248853792	0.047403106702439	Down in NR_Melanin
Ppm1b	<a href="https://www.ncbi.nlm.nih.gov/geo/2/mim-29425">ca href="https://www.ncbi.nlm.nih.gov/geo/2/mim-29425"</a>	target_1	blank">29425	</a>	proteasome 20S subunit beta 5	protein, coding	protein, coding	-0.33174598070711	-1.25835344793025	0.000221559306840538	0.027440556579897	Down in NR_Melanin
Ppm4	<a href="https://www.ncbi.nlm.nih.gov/geo/2/mim-498433">ca href="https://www.ncbi.nlm.nih.gov/geo/2/mim-498433"</a>	target_1	blank">498433	</a>	proteasome activator subunit 4	protein, coding	protein, coding	0.329493163378226	1.5555716772879	0.000408542254555897	0.0349777550134473	Up in NR_Melanin
Pp1d	<a href="https://www.ncbi.nlm.nih.gov/geo/2/mim-25528">ca href="https://www.ncbi.nlm.nih.gov/geo/2/mim-25528"</a>	target_1	blank">25528	</a>	prostaglandin D2 synthase	protein, coding	protein, coding	-0.32087102496631	-1.24907404012854	0.00014894780031688	0.020094575798312	Down in NR_Melanin
Ralac1	<a href="https://www.ncbi.nlm.nih.gov/geo/2/mim-83583">ca href="https://www.ncbi.nlm.nih.gov/geo/2/mim-83583"</a>	target_1	blank">83583	</a>	Rac acceptor 1	protein, coding	protein, coding	-0.33058557717121	-1.29270748321827	1.3758911700108e-05	0.0004465388933387	Down in NR_Melanin
Rh1a1	<a href="https://www.ncbi.nlm.nih.gov/geo/2/mim-660581">ca href="https://www.ncbi.nlm.nih.gov/geo/2/mim-660581"</a>	target_1	blank">660581	</a>	RNA binding motif protein 41	protein, coding	protein, coding	0.553093594227688	1.46503851167938	6.15914469000822e-05	0.0116149854150944	Up in NR_Melanin
Rh1p	<a href="https://www.ncbi.nlm.nih.gov/geo/2/mim-25058">ca href="https://www.ncbi.nlm.nih.gov/geo/2/mim-25058"</a>	target_1	blank">25058	</a>	retinol binding protein 1	protein, coding	protein, coding	-0.403716802319875	-1.3214148559804	3.7633817602519e-05	0.0006986394851089	Down in NR_Melanin
Rch1	<a href="https://www.ncbi.nlm.nih.gov/geo/2/mim-680586">ca href="https://www.ncbi.nlm.nih.gov/geo/2/mim-680586"</a>	target_1	blank">680586	</a>	ring finger and CCHC-type domains 1	processed trans protein	processed trans	0.29138491455746	1.202608009813	0.000495404486238886	0.03974886378807	Up in NR_Melanin
Rex3	<a href="https://www.ncbi.nlm.nih.gov/geo/2/mim-309812">ca href="https://www.ncbi.nlm.nih.gov/geo/2/mim-309812"</a>	target_1	blank">309812	</a>	REV3 like, DNA directed polymerase zeta catalytic subunit	protein, coding	protein, coding	0.33748691457846	1.63936565125919	0.0002018193539554829	0.0205203474288032	Up in NR_Melanin
Rh7	<a href="https://www.ncbi.nlm.nih.gov/geo/2/mim-315804">ca href="https://www.ncbi.nlm.nih.gov/geo/2/mim-315804"</a>	target_1	blank">315804	</a>	regulatory factor X, 7	protein, coding	protein, coding	0.3148019132604592	1.24394036863151	0.000427607827460037	0.0285509473511214	Up in NR_Melanin
ROD165816	<a href="https://www.ncbi.nlm.nih.gov/geo/2/mim-498981">ca href="https://www.ncbi.nlm.nih.gov/geo/2/mim-498981"</a>	target_1	blank">498981	</a>	ROD165816	protein, coding	protein, coding	0.45041013004959	1.36642863402771	0.0003197062699936	0.030791948517529	Up in NR_Melanin
Rlor	<a href="https://www.ncbi.nlm.nih.gov/geo/2/mim-310131">ca href="https://www.ncbi.nlm.nih.gov/geo/2/mim-310131"</a>	target_1	blank">310131	</a>	RPTOR independent companion of MTOR, complex 2	protein, coding	protein, coding	0.33745710190044	1.353748317031192	0.00024960341387515	0.0238550947811214	Up in NR_Melanin
Rim	<a href="https://www.ncbi.nlm.nih.gov/geo/2/mim-317241">ca href="https://www.ncbi.nlm.nih.gov/geo/2/mim-317241"</a>	target_1	blank">317241	</a>	ring finger protein, LIM domain interacting	protein, coding	protein, coding	0.54382344459702	1.45733090011869	3.78933096060011e-05	0.00080966394831059	Up in NR_Melanin
Rh1	<a href="https://www.ncbi.nlm.nih.gov/geo/2/mim-10056501">ca href="https://www.ncbi.nlm.nih.gov/geo/2/mim-10056501"</a>	target_1	blank">10056501	</a>	nonmuscle arthropodin inhibitor 1	protein, coding	protein, coding	-0.373944876502589	-1.2970681848233	0.00019650097570309	0.026068544374817	Down in NR_Melanin
Rom1	<a href="https://www.ncbi.nlm.nih.gov/geo/2/mim-306201">ca href="https://www.ncbi.nlm.nih.gov/geo/2/mim-306201"</a>	target_1	blank">306201	</a>	retinol outer segment membrane protein 1	protein, coding	protein, coding	-0.259595056178803	-1.197130069633174	0.000613993838859062	0.0438313273737172	Down in NR_Melanin
Rp65	<a href="https://www.ncbi.nlm.nih.gov/geo/2/mim-88626">ca href="https://www.ncbi.nlm.nih.gov/geo/2/mim-88626"</a>	target_1	blank">88626	</a>	retinol isomerohydrolase PPE65	protein, coding	protein, coding	-0.1031863065030518	-0.047602660203518	2.19886578793573e-11	6.1396354112863e-08	Down in NR_Melanin
Rp221	<a href="https://www.ncbi.nlm.nih.gov/geo/2/mim-381923">ca href="https://www.ncbi.nlm.nih.gov/geo/2/mim-381923"</a>	target_1	blank">381923	</a>	retinol protein L22 like 1	protein, coding	protein, coding	-0.447230232801009	-1.3634201716239	2.97016479484131e-05	0.00711485339475987	Down in NR_Melanin
Rp391	<a href="https://www.ncbi.nlm.nih.gov/geo/2/mim-497850">ca href="https://www.ncbi.nlm.nih.gov/geo/2/mim-497850"</a>	target_1	blank">497850	</a>	retinol protein L39-like	protein, coding	protein, coding	-2.1795321401167	-4.5239216377576	0.000191967492624082	0.0258739990870156	Down in NR_Melanin
Rp391	<a href="https://www.ncbi.nlm.nih.gov/geo/2/mim-140681">ca href="https://www.ncbi.nlm.nih.gov/geo/2/mim-140681"</a>	target_1	blank">140681	</a>	retinol protein L39-like	protein, coding	protein, coding	-0.16682914085187	-1.289538516551577	0.000186976045971908	0.0255807526131174	Down in NR_Melanin
Rp10	<a href="https://www.ncbi.nlm.nih.gov/geo/2/mim-81773">ca href="https://www.ncbi.nlm.nih.gov/geo/2/mim-81773"</a>	target_1	blank">81773	</a>	retinol protein S10	protein, coding	protein, coding	-0.36444828769995	-1.28788621735931	0.00027237167652148	0.029151852984757	Down in NR_Melanin
Rp45	<a href="https://www.ncbi.nlm.nih.gov/geo/2/mim-29285">ca href="https://www.ncbi.nlm.nih.gov/geo/2/mim-29285"</a>	target_1	blank">29285	</a>	retinol protein S15	protein, coding	protein, coding	-0.30178725108504	-1.23267353726754	0.0006272569730584	0.0438313273737172	Down in NR_Melanin
Rp17	<a href="https://www.ncbi.nlm.nih.gov/geo/2/mim-29288">ca href="https://www.ncbi.nlm.nih.gov/geo/2/mim-29288"</a>	target_1	blank">29288	</a>	retinol protein S17	protein, coding	protein, coding	-0.31343658951246	-1.24286878272146	0.00071614088912575	0.047589366388833	Down in NR_Melanin
Rp181	<a href="https://www.ncbi.nlm.nih.gov/geo/2/mim-10036079">ca href="https://www.ncbi.nlm.nih.gov/geo/2/mim-10036079"</a>	target_1	blank">10036079	</a>	retinol protein S18-like 1	protein, coding	protein, coding	-0.432001100714	-1.94730109557795	5.8407484277848e-06	0.00271682910572456	Down in NR_Melanin
Rp192	<a href="https://www.ncbi.nlm.nih.gov/geo/2/mim-29287">ca href="https://www.ncbi.nlm.nih.gov/geo/2/mim-29287"</a>	target_1	blank">29287	</a>	retinol protein S19-like2	protein, coding	protein, coding	-0.318689417503828	-1.2471970865363	0.00046374062111357	0.0386459619867904	Down in NR_Melanin
Rp1	<a href="https://www.ncbi.nlm.nih.gov/geo/2/mim-295145">ca href="https://www.ncbi.nlm.nih.gov/geo/2/mim-295145"</a>	target_1	blank">295144	</a>	reelin family peptide receptor 1	protein, coding	protein, coding	1.07396233008413	2.10373390307052	0.000384097970869759	0.0337104392722941	Up in NR_Melanin
Rp2	<a href="https://www.ncbi.nlm.nih.gov/geo/2/mim-685650">ca href="https://www.ncbi.nlm.nih.gov/geo/2/mim-685650"</a>	target_1	blank">685650	</a>	ryanodine receptor 2	protein, coding	protein, coding	0.463864051374495	1.37623004745487	0.000260386385956403	0.026758686811513	Up in NR_Melanin
Sacs	<a href="https://www.ncbi.nlm.nih.gov/geo/2/mim-305940">ca href="https://www.ncbi.nlm.nih.gov/geo/2/mim-305940"</a>	target_1	blank">305940	</a>	sarcolin molecular chaperone	protein, coding	protein, coding	0.443824506814497	1.38020019537667	2.55597420910887e-05	0.00617186398491891	Up in NR_Melanin
Sag	<a href="https://www.ncbi.nlm.nih.gov/geo/2/mim-25539">ca href="https://www.ncbi.nlm.nih.gov/geo/2/mim-25539"</a>	target_1	blank">25539	</a>	S-arabin visual arrestin	protein, coding	protein, coding	-0.393924653315731	-1.31341655504429	9.5737886331186e-06	0.00351619590096891	Down in NR_Melanin
Samd11	<a href="https://www.ncbi.nlm.nih.gov/geo/2/mim-102549710">ca href="https://www.ncbi.nlm.nih.gov/geo/2/mim-102549710"</a>	target_1	blank">10254971	</a>	shale alpha domain containing 11	protein, coding	protein, coding	0.3887407768203958	1.3065306746784385	8.278561866157e-05	0.014811861005419	Up in NR_Melanin
Sk1	<a href="https://www.ncbi.nlm.nih.gov/geo/2/mim-113907">ca href="https://www.ncbi.nlm.nih.gov/geo/2/mim-113907"</a>	target_1	blank">113907	</a>	SK1 domain binding kinase 1	protein, coding	protein, coding	0.40122881102028	1.32063319177884	0.000263842649640085	0.029151852984757	Up in NR_Melanin
Srda	<a href="https://www.ncbi.nlm.nih.gov/geo/2/mim-24766">ca href="https://www.ncbi.nlm.nih.gov/geo/2/mim-24766"</a>	target_1	blank">24766	</a>	sodium voltage-gated channel alpha subunit 2	protein, coding	protein, coding	0.328551326292934	1.25575176110652	0.00015489466612179	0.022353248100304	Up in NR_Melanin
Sema3c	<a href="https://www.ncbi.nlm.nih.gov/geo/2/mim-170698">ca href="https://www.ncbi.nlm.nih.gov/geo/2/mim-170698"</a>	target_1	blank">170698	</a>	sodium voltage-gated channel alpha subunit 8	protein, coding	protein, coding	0.40581657818822	1.3257571950347	8.47387157041246e-06	0.0022198114520942	Up in NR_Melanin
Serx	<a href="https://www.ncbi.nlm.nih.gov/geo/2/mim-362096">ca href="https://www.ncbi.nlm.nih.gov/geo/2/mim-362096"</a>	target_1	blank">362096	</a>	semaprofin 3C	protein, coding	protein, coding	0.328551326292934	1.25575176110652	0.00015489466612179	0.022353248100304	Up in NR_Melanin
Sb1a5	<a href="https://www.ncbi.nlm.nih.gov/geo/2/mim-680891">ca href="https://www.ncbi.nlm.nih.gov/geo/2/mim-680891"</a>	target_1	blank">680891	</a>	splicing factor 3b, subunit 5	protein, coding	protein, coding	-0.41435231556425	-1.33270027171866	2.5804063427248e-05	0.0067845509168519	Down in NR_Melanin
Sk1	<a href="https://www.ncbi.nlm.nih.gov/geo/2/mim-59329">ca href="https://www.ncbi.nlm.nih.gov/geo/2/mim-59329"</a>	target_1	blank">59329	</a>	sk1-nucleic kinase 1	protein, coding	protein, coding	-0.688276591464404	-1.62356673102099	0.00047996900505339	0.039410578778309	Down in NR_Melanin
Sc16a8	<a href="https://www.ncbi.nlm.nih.gov/geo/2/mim-65200">ca href="https://www.ncbi.nlm.nih.gov/geo/2/mim-65200"</a>	target_1	blank">65200	</a>	soluble carrier family 1 member 8	protein, coding	protein, coding	-0.836203535686803	-1.9150598348161	0.000627666589503228	0.0438313273737172	Down in NR_Melanin
Sc1a7	<a href="https://www.ncbi.nlm.nih.gov/geo/2/mim-117955">ca href="https://www.ncbi.nlm.nih.gov/geo/2/mim-117955"</a>	target_1	blank">117955	</a>	solite carrier family 4 member 7	protein, coding	protein, coding	0.4071459095516663	1.3265989418981	0.000561949014987147	0.0419538695341454	Up in NR_Melanin
Sc1a13	<a href="https://www.ncbi.nlm.nih.gov/geo/2/mim-171163">ca href="https://www.ncbi.nlm.nih.gov/geo/2/mim-171163"</a>	target_1	blank">171163	</a>	solite carrier family 5 member 13	protein, coding	protein, coding	-1.35655811305058	-2.5607352601992	2.043570108774e-05	0.0059397626303203	Down in NR_Melanin
Sc1a8	<a href="https://www.ncbi.nlm.nih.gov/geo/2/mim-84551">ca href="https://www.ncbi.nlm.nih.gov/geo/2/mim-84551"</a>	target_1	blank">84551	</a>	solite carrier family 1 member 8	protein, coding	protein, coding	0.324257959420752	1.52025958420752	0.000228110246584938	0.027440556579897	Up in NR_Melanin
Sc1a14	<a href="https://www.ncbi.nlm.nih.gov/geo/2/mim-170698">ca href="https://www.ncbi.nlm.nih.gov/geo/2/mim-170698"</a>	target_1	blank">170698	</a>	solite carrier organic anion transporter family, member 1a4	protein, coding	protein, coding	0.43462319771852	-1.33187879065622	9.01473298710651e-05	0.012792531682186	Down in NR_Melanin
Scp1	<a href="https://www.ncbi.nlm.nih.gov/geo/2/mim-313588">ca href="https://www.ncbi.nlm.nih.gov/geo/2/mim-313588"</a>	target_1	blank">313588	</a>	Srsd nuclear interacting protein 1	protein, coding	protein, coding	0.80973704923504	1.8787038134008	0.000150446568945465	0.022098754798312	Up in NR_Melanin
Scap	<a href="https://www.ncbi.nlm.nih.gov/geo/2/mim-361652">ca href="https://www.ncbi.nlm.nih.gov/geo/2/mim-361652"</a>	target_1	blank">361652	</a>	Src2-related CRBBP activator protein	protein, coding	protein, coding	0.353888628413288	1.2789000792542	0.000398515769697854	0.0345421597068281	Up in NR_Melanin
Scm2	<a href="https://www.ncbi.nlm.nih.gov/geo/2/mim-302659">ca href="https://www.ncbi.nlm.nih.gov/geo/2/mim-302659"</a>	target_1	blank">302659	</a>	serine arginine repetitive matrix 2	protein, coding	protein, coding	0.35886826413288	1.24500658181369	0.000504530248129601	0.023607703480906	Up in NR_Melanin
Scn1b	<a href="https://www.ncbi.nlm.nih.gov/geo/2/mim-891920">ca href="https://www.ncbi.nlm.nih.gov/geo/2/mim-891920"</a>	target_1	blank">891920	</a>	STAR-related lipid transfer domain containing 9	protein, coding	protein, coding	0.4153551761760508	1.33190027109717	4.15700386171827e-06	0.0020723696530538	Up in NR_Melanin
Scn6	<a href="https://www.ncbi.nlm.nih.gov/geo/2/mim-363071">ca href="https://www.ncbi.nlm.nih.gov/geo/2/mim-363071"</a>	target_1	blank">363071	</a>	signaling receptor and transporter of retinoic STRA6	protein, coding	protein, coding	0.71988819693751	1.643748924338	0.000510419003568482	0.0401345105702439	Down in NR_Melanin
Scn11	<a href="https://www.ncbi.nlm.nih.gov/geo/2/mim-289993">ca href="https://www.ncbi.nlm.nih</a>											