

Original gene set ID	Original gene set description	Nominal P-value	False discovery rate <5%
GO:0000978	RNA polymerase II core promoter proximal region sequence-specific DNA binding	5.65E-07	Yes
KEGG:Circadian Rhythm Mammal	KEGG:Circadian Rhythm Mammal	8.90E-07	Yes
ENSG00000134852	CLOCK subnetwork	1.76E-06	Yes
MP:0001303	abnormal lens morphology	1.78E-06	Yes
GO:0000981	sequence-specific DNA binding RNA polymerase II transcription factor activity	3.01E-06	Yes
MP:0002840	abnormal lens fiber morphology	9.06E-06	Yes
MP:0001304	cataracts	9.17E-06	Yes
GO:0051898	negative regulation of protein kinase B signaling cascade	9.81E-06	Yes
ENSG00000151623	NR3C2 subnetwork	1.16E-05	Yes
ENSG00000162992	NEUROD1 subnetwork	1.16E-05	Yes
ENSG00000100380	ST13 subnetwork	1.28E-05	Yes
ENSG00000164442	CITED2 subnetwork	1.57E-05	Yes
MP:0001299	abnormal eye distance/ position	1.63E-05	Yes
GO:0000987	core promoter proximal region sequence-specific DNA binding	1.93E-05	Yes
GO:0001159	core promoter proximal region DNA binding	2.86E-05	Yes
MP:0001328	disorganized retinal layers	2.87E-05	Yes
GO:0071478	cellular response to radiation	3.01E-05	Yes
GO:0000982	RNA polymerase II core promoter proximal region sequence-specific DNA binding transcription factor activity	3.22E-05	Yes
GO:0043401	steroid hormone mediated signaling pathway	3.53E-05	Yes
ENSG00000031544	ENSG00000031544 subnetwork	3.58E-05	Yes
ENSG00000160202	CRYAA subnetwork	4.02E-05	Yes
GO:0034339	regulation of transcription from RNA polymerase II promoter by nuclear hormone receptor	4.38E-05	Yes
GO:0001077	RNA polymerase II core promoter proximal region sequence-specific DNA binding transcription factor activity involved in positive regulation of transcription	4.97E-05	Yes

GO:0004879	ligand-activated sequence-specific DNA binding RNA polymerase II transcription factor activity	5.58E-05	Yes
REACTOME:Nuclear Receptor Transcription Pathway	REACTOME:Nuclear Receptor Transcription Pathway	5.68E-05	Yes
GO:0003707	steroid hormone receptor activity	7.87E-05	Yes
ENSG00000126351	THRA subnetwork	1.00E-04	Yes
GO:0071482	cellular response to light stimulus	1.00E-04	Yes
ENSG00000179588	ZFPM1 subnetwork	1.06E-04	Yes
ENSG00000151090	THRB subnetwork	1.08E-04	Yes
MP:0002864	abnormal ocular fundus morphology	1.18E-04	Yes
ENSG00000108094	CUL2 subnetwork	1.28E-04	Yes
MP:0001293	anophthalmia	1.30E-04	Yes
GO:0043491	protein kinase B signaling cascade	1.34E-04	Yes
ENSG00000124151	NCOA3 subnetwork	1.35E-04	Yes
GO:0004859	phospholipase inhibitor activity	1.42E-04	Yes
MP:0002944	increased lactate dehydrogenase level	1.44E-04	Yes
ENSG00000173486	FKBP2 subnetwork	1.53E-04	Yes
GO:0009416	response to light stimulus	1.57E-04	Yes
ENSG00000116016	EPAS1 subnetwork	1.63E-04	Yes
MP:0004362	cochlear hair cell degeneration	1.63E-04	Yes
ENSG00000206289	RXRB subnetwork	1.64E-04	Yes
ENSG00000206218	ENSG00000206218 subnetwork	1.64E-04	Yes
ENSG00000204231	RXRB subnetwork	1.64E-04	Yes
GO:0043010	camera-type eye development	1.78E-04	Yes
MP:0001382	abnormal nursing	1.90E-04	Yes
MP:0000784	forebrain hypoplasia	2.14E-04	Yes
ENSG00000004059	ARF5 subnetwork	2.20E-04	Yes
GO:0000976	transcription regulatory region sequence-specific DNA binding	2.23E-04	Yes
MP:0009434	paraparesis	2.25E-04	Yes
ENSG00000139323	POC1B subnetwork	2.26E-04	Yes
GO:0009314	response to radiation	2.33E-04	Yes
GO:0030032	lamellipodium assembly	2.42E-04	Yes
MP:0008511	thin retinal inner nuclear layer	2.53E-04	Yes
GO:0055102	lipase inhibitor activity	2.83E-04	Yes
GO:0001654	eye development	2.90E-04	Yes
GO:0005212	structural constituent of eye lens	2.96E-04	Yes
GO:0007030	Golgi organization	3.11E-04	Yes

GO:0001078	RNA polymerase II core promoter proximal region sequence-specific DNA binding transcription factor activity involved in negative regulation of transcription	3.16E-04	Yes
MP:0005253	abnormal eye physiology	3.26E-04	Yes
ENSG00000132780	NASP subnetwork	3.40E-04	Yes
ENSG00000121671	CRY2 subnetwork	3.43E-04	Yes
ENSG00000173991	TCAP subnetwork	3.47E-04	Yes
MP:0005591	decreased vasodilation	3.47E-04	Yes
GO:0030275	LRR domain binding	3.53E-04	Yes
GO:0009755	hormone-mediated signaling pathway	3.54E-04	Yes
GO:0000977	RNA polymerase II regulatory region sequence-specific DNA binding	3.71E-04	Yes
ENSG00000113312	TTC1 subnetwork	3.90E-04	Yes
ENSG00000184357	HIST1H1B subnetwork	4.07E-04	Yes
MP:0002280	abnormal intercostal muscle morphology	4.14E-04	Yes