

Top Canonical Pathways		
<i>Name</i>		<i>p-value</i>
Calcium Transport I		1.11E-04
NER (Nucleotide Excision Repair. Enhanced Pathway))		4.04E-04
Fatty Acid β -Oxidation I		1.35E-03
Nucleotide Excision Repair Pathway		1.44E-03
Asparagine Biosynthesis I		1.60E-03
Upstream regulators		
<i>Name</i>		<i>p-value</i>
Asparagine		1.35E-05
AAMDC		8.04E-05
Nitrofurantoin		1.16E-04
PPAR α -RXR α		2.66E-04
Glycine		5.09E-04
Molecular and Cellular Functions		
<i>Name</i>	<i># Molecules</i>	<i>p-value</i>
Lipid Metabolism	4	4.85E-02-1.63E-04
Molecular Transport	12	4.85E-02-1.63E-04
Small Molecule Biochemistry	13	4.85E-02-1.63E-04
Amino Acid Metabolism	6	4.39E-02-1.60E-04
Cell death and Survival	7	4.14E-02-1.60E-03
Females DEPs (Expression Fold Increase)		Females DEPs (Expression Fold Decrease)
LSM7 (1.256)		ATP2A1 (-1.730)
GSTA3 (1.185)		Krt10 (-1.509)
HID1 (1.146)		DGUOK (-1.266)
ALB (1.118)		MYH8 (-1.257)
FBXO2 (1.117)		SRPRA (-1.211)
PTGR2 (1.116)		FBXO22 (-1.194)
SELENBP1 (1.106)		KYAT1 (-1.189)
MTHFD1L (1.099)		TPRKB (-1.160)
HBA1/HBA2 (1.088)		HSPA14 (-1.156)
SMUG1 (1.088)		ASNS (-1.106)

Table 4: Pathway Analysis Retina