

Top Canonical Pathways		
<i>Name</i>		<i>p-value</i>
Calcium Signaling		2.3E-10
Dilated Cardiomyopathy Signaling		2.23E-09
Cellular Effects of Sildenafil		2.23E-09
Actin Cytoskeletal Signaling		1.08E-08
RHOGDI Signaling		6.2E-08
Upstream regulators		
<i>Name</i>		<i>p-value</i>
PHA-666859		2.02E-23
Sesaminol		1.62E-16
MAF		2.81E-14
Pyruvaldehde		4.81E-13
CX3CR1		1.45E-11
Molecular and Cellular Functions		
<i>Name</i>	<i># Molecules</i>	<i>p-value</i>
Cellular Assembly and Organization	36	3.41E-03-7.29E-13
Protein Synthesis	22	2.88E-04-1.70E-08
Cellular Function and Maintenance	42	3.41E-03-3.49E-06
Cell Morphology	39	3.41E-03-4.94E-06
Cellular Movement	28	3.41E-03-5.74E-06
Females DEPs (Expression Fold Increase)		Females DEPs (Expression Fold Decrease)
MYH7B (+1.526)		SERPINA1 (-2.493)
CASQ2 (+1.327)		Mug1/Mug2 (-1.574)
MYL10 (+1.312)		SERPINA3 (1.325)
CRYGC (+1.308)		PVALB (1.320)
MYOZ2 (+1.308)		LAMC1 (1.302)
CRYAA (+1.262)		COMMD4 (-1.293)
AMPH (+1.252)		TTR (-1.290)
MYL2 (+1.238)		ACE (-1.270)
MB (+1.225)		MYH4 (-1.263)
MYH3 (+1.219)		SYNJ1 (-1.245)

Table 4: Pathway Analysis RPE