

**Table S11:****egg cell****Gene family**

basic Helix-Loop-Helix (bHLH) Transcription  
Factor  
Receptor kinase-like protein family

<b>Significant</b>	<b>Expected</b>	<b>p value</b>
47	29.7476228	0.00930689
85	56.5017741	0.00155731

**central cell****Gene family**

B3\_TFs  
basic Helix-Loop-Helix (bHLH) Transcription  
Factor  
bHLH Transcription Factor Family  
GRAS Gene Family  
GRAS Transcription Factor Family  
IQD Protein Family  
Kinesins  
Receptor kinase-like protein family  
ZF-HD Transcription Factor Family  
zinc finger-homeobox gene family

<b>Significant</b>	<b>Expected</b>	<b>p value</b>
31	17.1073659	0.00603793
65	31.2651859	3.04E-06
64	30.8719131	4.08E-06
16	6.29236446	0.005044
16	6.09572807	0.00271396
20	6.09572807	8.66E-05
26	11.9948198	0.00198709
110	59.3841896	1.60E-07
12	2.94954584	0.00058824
13	3.34281862	0.00047255