

Table S10 - IPA canonical pathways unique to EGA1 super-group

Canonical Pathways	p-value ^a	Z-score ^b	Activation State	Total DEGs	Sub-Group
Wnt/ β -catenin Signaling	7.76E-03	1.342		5	EGA1-1
Estrogen-mediated S-phase Entry	8.13E-04			3	EGA1-1

a) The p-value: statistical overlap of differentially expressed gene list and gene set

b) Z-score: $z > 1.96$ to be significantly activated or increased, and those with $z < -1.96$ to be significantly inhibited