

# Combined functional profiling of SNP association and copy number in luminal B tumours using GO Biological Process

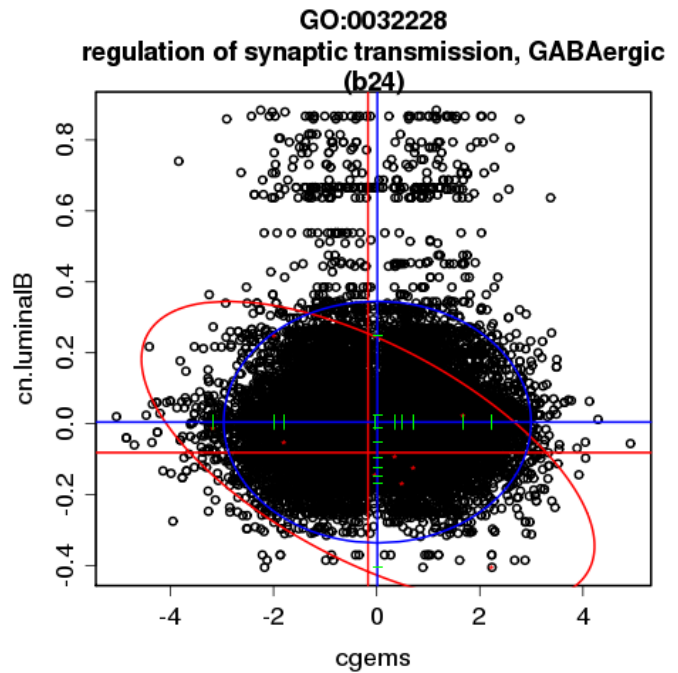
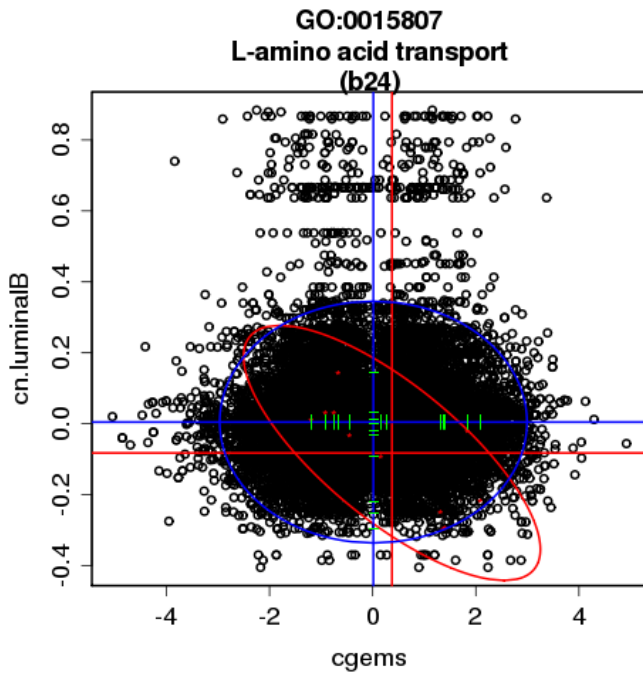
8 significant modules

LOR indicates Log Odds Ratio of the coefficient or the interaction

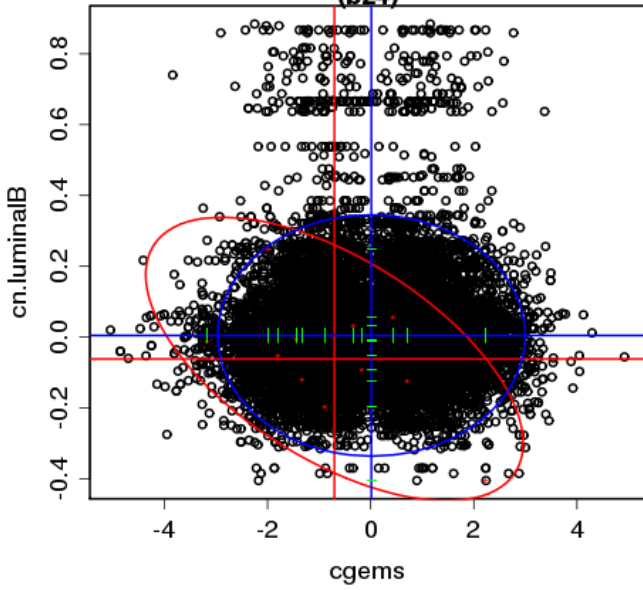
p indicates FDR adjusted p-value

	LOR cgems	LOR lumi- nalB	cn	LOR In- ter	p cgems	p cn lu- minalB	p Inter	pattern	name
GO:0015807	-0.09	-0.85		-0.59	0.98	0.46	0.04	b24	L-amino acid transport
GO:0032228	-0.63	-1.21		-0.68	0.65	0.24	0.01	b24	regulation of synaptic transmission, GABAergic
GO:0050805	-0.94	-1.24		-0.63	0.22	0.24	0.04	b24	negative regulation of synaptic transmission
GO:0051932	-0.82	-1.35		-0.67	0.49	0.17	0.02	b24	synaptic transmission, GABAergic
GO:0042398	-0.77	-0.02		0.12	0.04	0.99	1.00	xl	amino acid derivative biosynthetic process
GO:0042401	-0.93	0.12		0.20	0.01	0.98	1.00	xl	biogenic amine biosynthetic process
GO:0030216	0.20	0.41		-0.03	0.80	0.03	1.00	yh	keratinocyte differentiation
GO:0031424	0.29	0.59		-0.01	0.81	0.00	1.00	yh	keratinization

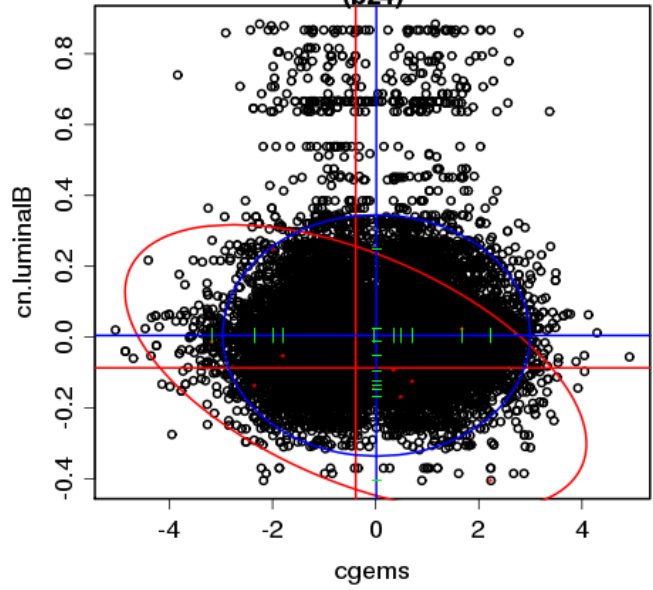
Table 1: LOR: log odds ratio; p: adjusted p-value FDR



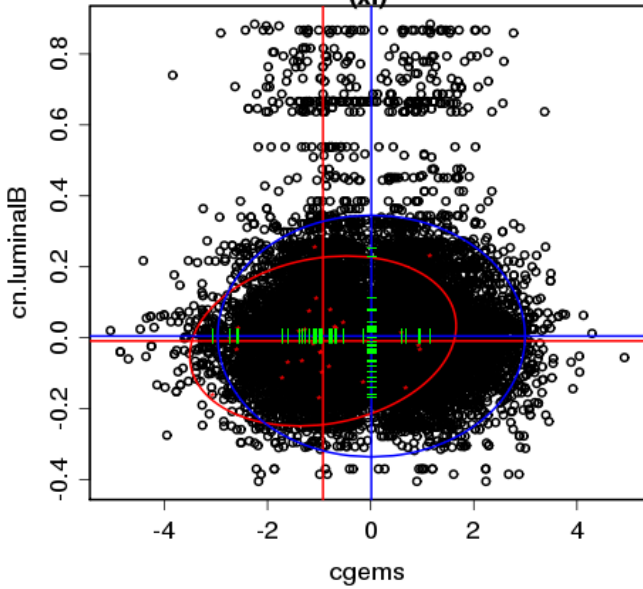
**GO:0050805**  
**negative regulation of synaptic transmission**  
**(b24)**



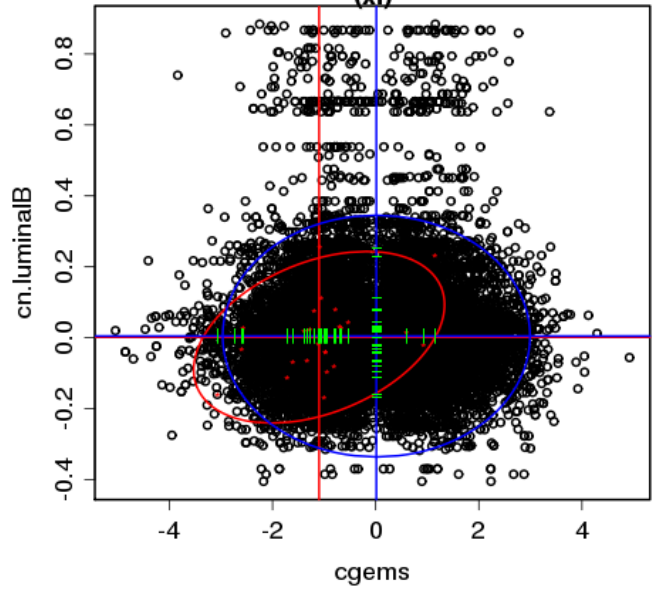
**GO:0051932**  
**synaptic transmission, GABAergic**  
**(b24)**



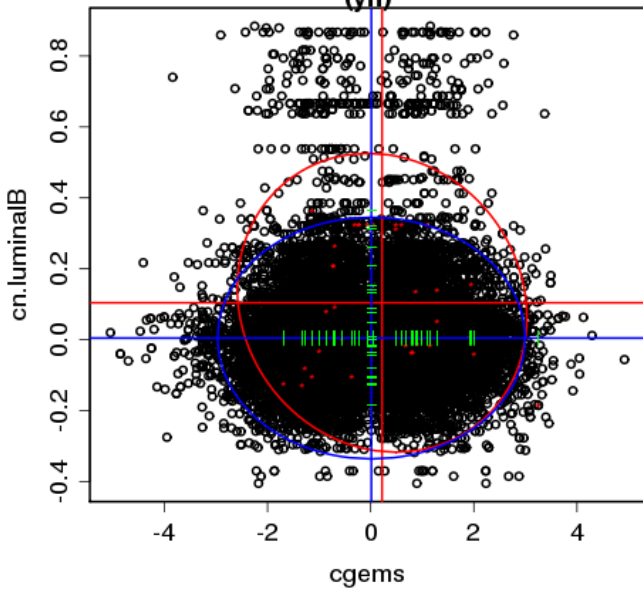
**GO:0042398**  
**amino acid derivative biosynthetic process**  
**(xl)**



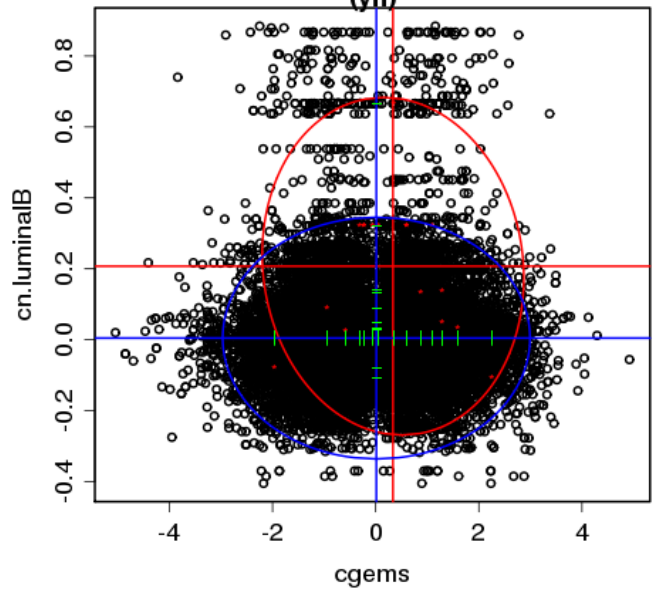
**GO:0042401**  
**biogenic amine biosynthetic process**  
**(xl)**



**GO:0030216**  
**keratinocyte differentiation**  
**(yh)**



**GO:0031424**  
**keratinization**  
**(yh)**



# Combined functional profiling of SNP association and copy number in luminal B tumours using KEGG pathways

1 significant modules

**LOR** indicates Log Odds Ratio of the coefficient or the interaction

**p** indicates FDR adjusted p-value

	LOR cgems	LOR cn lumi- nalB	LOR In- ter	p cgems	p cn lu- minalB	p Inter	pattern	name
hsa05217	-0.28	-0.11	0.56	0.59	0.89	0.01	b13	Basal cell carcinoma

Table 1: LOR: log odds ratio; p: adjusted p-value FDR

