

**Additional File 3. K means expression cluster members.**

1	2	3	4	5	6	7	No Cluster
Probe Set ID	Gene Symbol	Probe Set ID	Gene Symbol	Probe Set ID	Gene Symbol	Probe Set ID	Gene Symbol
1557987_at	---	226392_at	---	226399_at	---	1555303_at	---
1566959_at	---	226641_at	---	226444_at	---	235735_at	---
222375_at	---	229629_at	---	203156_at	AKAP11	204265_s_at	GPSM3
235028_at	---	243495_s_at	---	226025_at	ANKRD28	34031_i_at	KRIT1
242874_at	---	221505_at	ANP32E	220940_at	ANKRD36B	207079_s_at	MED6
1558015_s_at	ACTR2	221230_s_at	ARID4B	212614_at	ARID5B	201502_s_at	NFKBIA
200612_s_at	AP2B1	203427_at	ASF1A	209903_s_at	ATR	220001_at	PADI4
211833_s_at	BAX	208861_s_at	ATRX	203531_at	CUL5	200919_at	PHC2
223559_s_at	C9orf80	202265_at	BMI1	203302_at	DCK	205863_at	S100A12
1556389_at	CNPY3	224740_at	C5orf43	205000_at	DDX3Y	205789_at	CD1D
225140_at	KLF3	200934_at	DEK	222850_s_at	DNAJB14	205627_at	CDA
201551_s_at	LAMP1	209187_at	DR1	219279_at	DOCK10	203973_s_at	CEBPD
230528_s_at	MGC2752	212149_at	EFR3A	225290_at	ETNK1	205382_s_at	CFD
221771_s_at	MPHOSPH8	227462_at	ERAP2	227239_at	FAM126A	206380_s_at	CFP
207815_at	PF4V1	217941_s_at	ERBB2IP	201889_at	FAM3C	202121_s_at	CHMP2A
226310_at	RICTOR	217234_s_at	EZR	226811_at	FAM46C	222934_s_at	CLEC4E
202131_s_at	RIOK3	229460_at	FAM126B	203115_at	FECH	217870_s_at	CMPK1
226825_s_at	TMEM165	233898_s_at	FGFR1OP2	225153_at	GFM1	201360_at	CST3
235798_at	TMEM170B	218313_s_at	GALNT7	220577_at	GVIN1	204971_at	CSTA
218345_at	TMEM176A	221510_s_at	GLS	202983_at	HLTF	203028_s_at	CYBA
240383_at	UBE2D3	224862_at	GNAQ	205884_at	ITGA4	222429_at	DBNL
208882_s_at	UBR5	221763_at	JMJD1C	1553530_a_at	ITGB1	226064_s_at	DGAT2
204619_s_at	VCAN	226675_s_at	MALAT1	226635_at	LOC401504	219452_at	DPEP2
		221760_at	MAN1A1	228841_at	LYRM7	201041_s_at	DUSP1
		218499_at	MST4	201151_s_at	MBNL1	217992_s_at	EFHD2
		212530_at	NEK7	226039_at	MGAT4A	203274_at	F8A1 /// F8A2 /// F8A3
		227354_at	PAG1	224830_at	NUDT21	218831_s_at	FCGRT
		244008_at	PARP8	221751_at	PANK3	224840_at	FKBP5
		226119_at	PCMTD1	202741_at	PRKACB	205119_s_at	FPR1
		222572_at	PDP1	218236_s_at	PRKD3	200645_at	GABARAP
		213111_at	PIKFYVE	202677_at	RASA1	217755_at	HN1
		240413_at	PYHIN1	222605_at	RCOR3	205403_at	IL1R2
		212636_at	QKI	208924_at	RNF11	203126_at	IMPA2
		222717_at	SDPR	218738_s_at	RNF138	204169_at	IMPDH1
		212887_at	SEC23A	203403_s_at	RNF6	202531_at	IRF1
		1553177_at	SH2D1B	226682_at	RORA	226267_at	JDP2
		225564_at	SPATA13	212179_at	SFRS18	218963_s_at	KRT23
		230836_at	ST8SIA4	213649_at	SFRS7	217388_s_at	KYNU
		212956_at	TBC1D9	236265_at	SP4	228648_at	LRG1
		221428_s_at	TBL1XR1	226529_at	TMEM106B	201412_at	LRP10
		224793_s_at	TGFBR1	217826_s_at	UBE2J1	1559502_s_at	LRRC25
		202606_s_at	TLK1	224691_at	UHMK1	236172_at	LTB4R
		232591_s_at	TMEM30A	202413_s_at	USP1	205859_at	LY86
		202778_s_at	ZMYM2	218396_at	VPS13C	213708_s_at	MLX
				227309_at	YOD1	203936_s_at	MMP9
				222731_at	ZDHHC2	204961_s_at	NCF1 /// NCF1B /// NCF1C
				226015_at	ZNF12	223944_at	NLRP12
						218388_at	PGLS
						41469_at	PI3
						201400_at	PSMB3
						211178_s_at	PSTPIP1
						203175_at	RHOG
						213566_at	RNASE6
						224573_at	RNASEK

			203379_at	RPS6KA1		
			200660_at	S100A11		
			203186_s_at	S100A4		
			217728_at	S100A6		
			203535_at	S100A9		
			1554624_a_at	SIRPB1		
			1559034_at	SIRPB2		
			201463_s_at	TALDO1		
			208700_s_at	TKT		
			223482_at	TMEM120A		
			221882_s_at	TMEM8A		
			207643_s_at	TNFRSF1A		
			202096_s_at	TSPO		
			208864_s_at	TXN		

Calcium-binding