

Supplementary Figure
Figure S1

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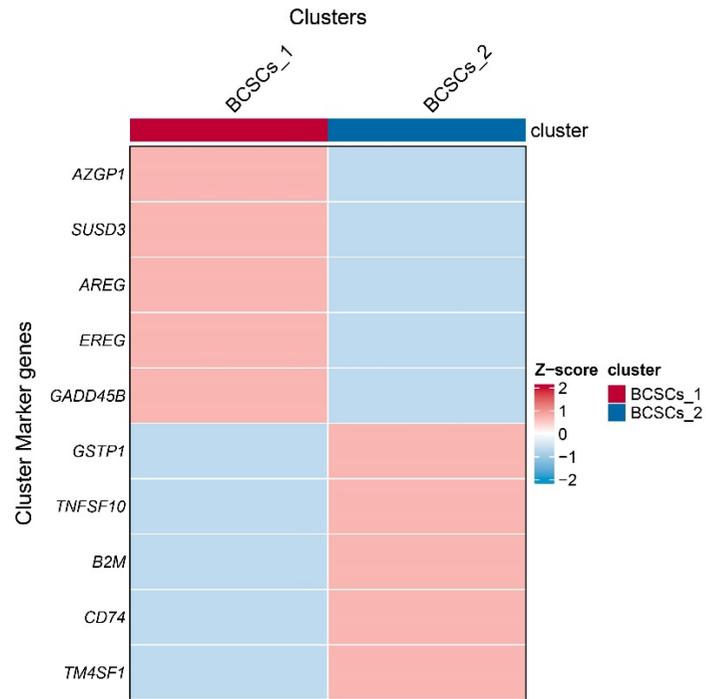


Figure S1 The top represented genes of BCSCs subgroups. A Heatmap showing the top 5 markers of each cell group.

Table S1. The GSEA analysis based on IL2-pathway										
ID	Description	setSize	enrichmentScore	NES	pvalue	p.adjust	qvalue	rank	leading_edge	core_enrichment
REACTOME_INTERLEUKIN_2_SIGNALING	REACTOME_INTERLEUKIN_2_SIGNALING	12	0.759773833	2.031914912	8.74E-05	0.000843521	0.000602843	1115	tags=67%, list=14%, signal=57%	IL2RB/LCK/IL2RG/JAK3/IL2RA/PTK2B/SYK

Table S2. The candidate drugs for high infiltration level of BCSCs-2 patients		
Score	Name	MoA
-94.38	hydrastine	Tyrosine hydroxylase inhibitor
-91.91	methimazole	Antithyroid
-87.89	vemurafenib	RAF inhibitor
-86.21	NU-7441	DNA dependent protein kinase inhibitor, P-glycoprotein inhibitor
-85.06	ampicillin	Bacterial cell wall synthesis inhibitor
-84.76	rucaparib	PARP inhibitor
-82.88	CAY-10618	NAMPT inhibitor
-82.43	latrepirdine	Glutamate receptor antagonist
-79.71	GSK-1070916	Aurora kinase inhibitor
-79.01	norcyclobenzaprime	Adrenergic receptor agonist, Serotonin receptor antagonist

-76.35	PIK-90	PI3K inhibitor
-76.28	TG-101348	FLT3 inhibitor, JAK inhibitor
-73.87	tracazolate	GABA receptor modulator
-73.68	OMDM-2	FAAH inhibitor
-73.06	GDC-0941	PI3K inhibitor
-73.06	RO-15-4513	GABA benzodiazepine site receptor inverse agonist
-71.55	iopanoic-acid	Radiopaque medium
-69.66	RHO-kinase-inhibitor-III[rockout]	Rho associated kinase inhibitor
-69.05	denbutylline	Phosphodiesterase inhibitor
-68.05	esmolol	Adrenergic receptor antagonist
-67.64	acetyl-geranyl-cysteine	Isoprenylated protein methylation inhibitor
-66.71	tivozanib	VEGFR inhibitor
-65.88	cytochalasin-b	Microtubule inhibitor
-64.63	epothilone	Microtubule inhibitor
-64.56	nicergoline	Adrenergic receptor antagonist
-64.52	XMD-1150	Leucine rich repeat kinase inhibitor
-63.96	brazilin	Nitric oxide production inhibitor
-63.08	olaparib	PARP inhibitor

-63.01	BMS-641988	Androgen receptor antagonist
-62.32	aminopentamide	Acetylcholine receptor antagonist
-61.02	tosyl-phenylalanyl-chloromethyl- ketone	Chymotrypsin inhibitor
-61	HLI-373	MDM inhibitor
-60.73	KU-0063794	MTOR inhibitor